

INFS692 Final Project: Model 1

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Helper packages

```
library(rsample)
library(readr)
library(rpart)
library(caret)
```

```
## Loading required package: ggplot2
```

```
## Loading required package: lattice
```

```
library(rpart.plot)
library(ROCR)
library(pROC)
```

```
## Type 'citation("pROC")' for a citation.
```

```
##
```

```
## Attaching package: 'pROC'
```

```
## The following objects are masked from 'package:stats':
```

```
##
```

```
##      cov, smooth, var
```

```
library(dplyr)
```

```
##
```

```
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
```

```
##
```

```
##      filter, lag
```

```
## The following objects are masked from 'package:base':
```

```
##
```

```
##      intersect, setdiff, setequal, union
```

```
library(vip)
```

```
##
```

```
## Attaching package: 'vip'
```

```
## The following object is masked from 'package:utils':
```

```
##
```

```
##      vi
```

```
Load dataset
```

```
data <- read_csv("/Users/chenyanfei/Desktop/radiomics_completedata.csv")

## Rows: 197 Columns: 431
## -- Column specification -----
## Delimiter: ","
## chr (1): Institution
## dbl (430): Failure.binary, Failure, Entropy_cooc.W.ADC, GLNU_align.H.PET, Mi...
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
data$Failure.binary = as.factor(data$Failure.binary)
```

Preprocess data

Check for null/missing

```
data_clean <- na.omit(data)
dim(data)
```

```
## [1] 197 431
dim(data_clean)
```

```
## [1] 197 431
# There's no null/missing value in the dataset.
```

Normalize the continuous variables.

```
nor_data <- scale(data_clean[c(3:431)])
# combine with the categorical variables
new_data <- cbind(data_clean[2], nor_data)
# change label type
levels(new_data$Failure.binary)=c("No","Yes")
new_data %>% mutate(Failure.binary = factor(Failure.binary,labels= make.names(levels(Failure.binary))))
```

	Failure.binary	Failure	Entropy_cooc.W.ADC	GLNU_align.H.PET
## 1	No	1.198579e+00	0.5529054683	-0.570636888
## 2	Yes	-7.212472e-01	-0.0648672949	-0.789036359
## 3	No	2.792627e+00	0.4599082452	-0.060242751
## 4	Yes	-4.442487e-01	1.1431829822	2.674688223
## 5	No	6.898772e-01	0.3449936828	-0.067405728
## 6	Yes	-1.128905e+00	0.8491790414	0.073546027
## 7	No	-7.143320e-02	-0.0723109196	-0.680498711
## 8	No	4.930166e-01	-0.0029909626	-0.515565209
## 9	Yes	4.686267e-01	1.0448194251	-0.792326534
## 10	Yes	-4.477331e-01	0.3506581465	-0.873529245
## 11	Yes	-1.073158e+00	0.3878570358	0.002164448
## 12	Yes	-8.972024e-01	1.0020907113	0.039112186
## 13	No	9.198383e-01	-0.4750841048	-0.047001091
## 14	Yes	-7.351844e-01	0.4136510225	-0.983796892
## 15	Yes	-1.114969e+00	0.4551670217	0.905927840
## 16	No	1.181158e+00	0.3013128775	-0.607337858
## 17	Yes	-1.071415e+00	0.5255448582	1.762980233
## 18	Yes	-9.947618e-01	1.1532905398	1.835717245
## 19	Yes	-7.491216e-01	0.7085291565	-0.308469369

## 20	Yes	-6.689833e-01	1.4812716460	-0.332805772
## 21	Yes	-7.142789e-01	0.9926178814	1.242363798
## 22	No	1.923305e+00	-1.8627911684	-0.957818365
## 23	No	1.161994e+00	-0.9402529450	-0.291043519
## 24	Yes	-8.519069e-01	1.1229005476	0.946720922
## 25	Yes	2.630556e-01	-0.0774656778	-0.865323603
## 26	Yes	-5.905875e-01	1.3434395672	1.335823932
## 27	No	2.444201e+00	0.1144336593	-0.888074972
## 28	No	4.477213e-01	-0.0007790328	0.345232816
## 29	No	7.961471e-01	1.1422212736	-0.795364225
## 30	No	1.135862e+00	-0.9355790411	-0.167190278
## 31	No	2.965098e+00	-2.2865776868	-0.651354450
## 32	Yes	-1.008699e+00	0.8992167407	0.194719834
## 33	Yes	-6.776941e-01	1.6770659030	0.135175043
## 34	No	2.786816e-02	-0.3881552631	-0.464266995
## 35	No	-2.839730e-01	0.3373577164	-0.263676186
## 36	No	1.933704e-01	0.1780314501	-0.779576214
## 37	Yes	-1.040057e+00	1.7060229494	0.214583961
## 38	No	1.419829e+00	-0.9324054027	-0.802388625
## 39	No	-1.026120e+00	-0.9059680328	0.361958414
## 40	No	1.259553e+00	-0.5409130595	-0.499886341
## 41	No	7.212356e-01	-1.6597456284	-0.573214951
## 42	No	-1.777031e-01	-0.3527163006	-0.734375232
## 43	Yes	-5.679400e-01	1.5451098639	2.239101246
## 44	No	2.526028e-01	-1.2464994364	-0.610201497
## 45	No	1.552231e+00	-2.2519177083	-0.400988814
## 46	No	9.058481e-02	0.5293916927	0.080447253
## 47	No	2.766495e+00	0.2283672790	0.082598072
## 48	No	1.296138e+00	-0.0907372567	2.483041756
## 49	No	1.289170e+00	-2.2241147123	-0.856734079
## 50	No	2.229866e-01	-1.9364291971	-0.237666888
## 51	No	-1.533133e-01	-0.0748209791	-0.191859859
## 52	No	3.327408e-01	-0.6921994418	-0.760694500
## 53	Yes	-1.097599e-01	1.9239749729	0.213112938
## 54	No	1.329239e+00	-0.6076556374	-0.761699634
## 55	No	1.688117e+00	-2.4023097016	-0.120365977
## 56	No	2.519113e+00	-1.4912542790	-0.800457648
## 57	Yes	7.490565e-02	0.6840344380	0.467409410
## 58	No	1.041787e+00	-0.9507644201	-0.077498648
## 59	No	1.769997e+00	-2.6407172674	0.163018733
## 60	No	-5.902960e-06	-0.1364087988	0.629653151
## 61	Yes	6.672294e-01	1.5399743399	1.534554504
## 62	No	1.557458e+00	0.1076824648	0.749715760
## 63	No	7.508518e-01	0.2735291156	2.453125597
## 64	No	-2.926836e-01	-0.9968975824	4.429626583
## 65	No	-3.490163e-03	-0.2424660249	-0.889700812
## 66	No	1.015655e+00	-0.1283881490	0.396224278
## 67	No	8.745429e-01	0.1743769573	-0.588793957
## 68	Yes	-9.634035e-01	1.9605487515	5.389414620
## 69	No	3.414514e-01	-0.5559734164	-0.481477033
## 70	No	-4.006956e-01	-1.4125288118	-0.907488589
## 71	No	-1.062758e-01	-0.5035131732	-0.190744735
## 72	Yes	-1.048768e+00	2.0925538378	0.073894457
## 73	No	-1.045868e-02	-0.3923377338	-0.481832804

## 74	No	-1.637660e-01	-0.9906676340	0.094932520
## 75	No	-4.581859e-01	-0.4539813327	1.990074107
## 76	No	-4.181169e-01	-1.0026043613	-0.995003403
## 77	No	-1.202128e-01	-1.4161698406	-0.778598459
## 78	No	-1.167286e-01	-0.3740325720	-0.767501416
## 79	Yes	-1.095805e+00	-0.9661806092	0.040062760
## 80	Yes	-9.407556e-01	0.9671018284	1.499365782
## 81	Yes	-2.142878e-01	0.7709719351	-0.326653166
## 82	Yes	-1.088837e+00	0.7314620601	0.275246362
## 83	No	-3.728215e-01	-0.0392069856	-0.860661501
## 84	No	-1.916401e-01	-0.3335773374	-0.571061622
## 85	No	-4.895442e-01	-0.3967817893	-0.365255377
## 86	Yes	-6.846627e-01	0.5698219229	-0.920069085
## 87	No	-8.327436e-01	-0.2945540869	-0.408867353
## 88	No	-7.142789e-01	-0.5364988170	0.591691568
## 89	Yes	-3.170734e-01	1.5018195123	0.266235658
## 90	No	-4.128905e-01	-0.4303838884	-0.687220402
## 91	No	-8.623598e-01	0.3392215077	-0.394260224
## 92	No	-5.905877e-01	-0.3463709471	-0.931684962
## 93	No	-7.351844e-01	-0.5499915888	-0.727527347
## 94	Yes	-7.351844e-01	0.4278477651	-0.005321393
## 95	No	-9.111394e-01	-0.5445858247	-0.129087051
## 96	No	-9.372714e-01	-1.5441867212	-0.672138195
## 97	Yes	-9.215922e-01	0.8868914831	-0.700989608
## 98	No	-8.850075e-01	-1.4682502090	-0.784080410
## 99	No	-8.501649e-01	0.0407696645	-0.624301547
## 100	No	-8.867496e-01	-0.7095390481	-0.949290649
## 101	No	-9.285607e-01	-0.8923502388	-0.572412944
## 102	No	-8.606177e-01	-0.6330485917	-0.829349078
## 103	No	-9.337871e-01	0.4077192038	-0.747340980
## 104	No	-9.442399e-01	-0.2192388384	0.018828017
## 105	No	-9.546927e-01	-0.3154010446	-0.630462016
## 106	Yes	-5.243868e-01	1.3788314060	0.585054313
## 107	Yes	1.376223e-01	0.5414572890	-0.932848060
## 108	Yes	-1.118453e+00	0.6277340923	3.122185773
## 109	Yes	-1.005214e+00	0.1761493863	-0.586115289
## 110	No	-5.679400e-01	-2.0792054198	-0.598217512
## 111	No	-6.550465e-01	0.3382107519	-0.842159800
## 112	No	-3.066206e-01	0.1697771050	-0.333962713
## 113	No	-5.940719e-01	0.0004144476	-0.512235611
## 114	No	-7.142789e-01	-0.8083055612	0.476589508
## 115	No	-7.839640e-01	-0.8862145379	-0.886859580
## 116	No	-7.508636e-01	-0.9223074622	-0.510419004
## 117	Yes	-1.071415e+00	0.5511840099	2.172265691
## 118	Yes	-8.100960e-01	0.3997831843	0.045445209
## 119	No	-9.546927e-01	0.5932462596	0.087944570
## 120	Yes	-1.132443e-01	2.1031326325	0.074579794
## 121	No	6.585189e-01	0.5937963569	0.155210958
## 122	No	-8.762969e-01	-0.9719220097	0.371106557
## 123	Yes	-4.373335e-02	1.4995441097	0.014055959
## 124	No	4.755954e-01	0.5488759092	0.165190611
## 125	Yes	-6.393675e-01	0.8597578362	0.074347523
## 126	No	-3.135892e-01	-0.2750092828	-0.629145368
## 127	No	1.893688e+00	-0.9666249186	0.098870302

## 128	No	2.209014e+00	-0.3924319813	-0.456253015
## 129	No	2.233404e+00	-0.9901021493	-0.856565370
## 130	No	-6.533043e-01	-1.3882802908	-0.777599494
## 131	No	2.540018e+00	-0.3171330818	-0.727742566
## 132	Yes	1.855358e+00	1.2895838848	1.336067865
## 133	Yes	-7.891939e-01	0.7276950475	0.022520124
## 134	Yes	-1.057478e+00	0.8607195448	0.074568225
## 135	No	3.724666e+00	-0.3363672541	-0.735165112
## 136	Yes	-9.128816e-01	1.4976206924	0.009932322
## 137	Yes	-9.337871e-01	1.0714779879	1.238495710
## 138	No	1.848393e+00	-0.9288470808	0.217771532
## 139	Yes	-5.696825e-01	0.5868345483	0.212819858
## 140	No	4.180520e-02	0.0001826758	0.346347940
## 141	Yes	-9.581787e-01	1.1522518945	1.288489427
## 142	No	-8.658441e-01	-0.9076894912	0.599678366
## 143	Yes	-9.529680e-01	0.0001826758	-0.019915872
## 144	No	2.365805e+00	-0.0132812448	0.298804152
## 145	No	-7.491216e-01	1.1527327488	1.286189483
## 146	Yes	-9.599191e-01	0.5235060359	0.026954195
## 147	No	-8.851817e-01	-0.9403875842	-0.178271826
## 148	No	9.773285e-01	0.4687742369	-0.226753956
## 149	No	1.217742e+00	-0.9427649279	-0.078369839
## 150	Yes	-1.118453e+00	1.9749743808	5.030483992
## 151	No	1.107988e+00	-0.5453946217	-0.482359840
## 152	Yes	-3.763061e-01	0.5599932608	0.907983850
## 153	No	1.040045e+00	-0.8525835876	-0.919348900
## 154	No	1.134120e+00	-0.8780784830	-0.099064165
## 155	No	9.912656e-01	0.4342594764	-0.843425931
## 156	No	1.026108e+00	-1.6241624097	-0.571240251
## 157	Yes	-9.494663e-01	2.1464095202	0.131474108
## 158	No	1.041787e+00	-0.2777030286	-0.736152462
## 159	Yes	-8.292594e-01	1.4860801891	0.211525884
## 160	Yes	-1.019155e+00	1.0685928620	1.238995193
## 161	No	6.341291e-01	0.1721361762	-0.947850280
## 162	No	6.027708e-01	0.5762461364	-0.351685012
## 163	No	6.254185e-01	0.6806011383	-0.570631858
## 164	No	6.689717e-01	-0.7913227488	-0.177493562
## 165	Yes	-7.231637e-01	-0.1452276668	-0.143322959
## 166	No	5.243750e-01	0.1819456041	-0.466705435
## 167	Yes	-1.106258e+00	1.0268835594	1.294006969
## 168	No	4.808217e-01	-0.7913227488	-0.178422832
## 169	No	5.069537e-01	-2.2676704955	-0.115347918
## 170	No	6.219342e-01	-1.3277638144	-0.798459717
## 171	Yes	-6.985997e-01	1.2286884952	0.937230749
## 172	No	4.268157e-01	0.1725785622	-0.865114517
## 173	Yes	-1.047043e+00	0.7375631396	1.337624393
## 174	Yes	-4.581859e-01	0.7228865044	0.254733140
## 175	No	4.424949e-01	0.6719746120	-0.066534537
## 176	Yes	-7.195052e-01	0.8972644722	0.302285895
## 177	No	1.951126e-01	-0.5867769434	-0.047337952
## 178	Yes	1.254239e-01	0.5904409556	0.167557312
## 179	No	1.376223e-01	-0.3404448987	-0.045049624
## 180	No	1.149746e-01	0.5237993571	-0.983053476
## 181	Yes	6.619326e-02	1.4653851814	-0.110330219

## 182	Yes	-7.944203e-01	0.6183939782	0.006040120
## 183	No	-1.236971e-01	0.0855824009	-0.956852586
## 184	No	1.219431e-01	-0.0200132051	-0.235886325
## 185	No	-1.045337e-01	1.0076493871	-0.572385833
## 186	No	1.218900e-02	-0.9451961272	-0.178597070
## 187	Yes	-2.961679e-01	1.6169110291	0.141346106
## 188	No	-4.512174e-01	-0.3923377338	-0.622710172
## 189	No	-2.404197e-01	-0.9041138586	0.098974845
## 190	No	-3.641109e-01	-0.5405351080	-0.453592979
## 191	No	-5.052234e-01	-1.0410727059	-0.998232617
## 192	No	-3.902428e-01	-1.4354040129	-0.780317609
## 193	No	-4.128905e-01	-0.3142479560	-0.728207201
## 194	No	-5.191604e-01	-2.3000031391	-0.405402848
## 195	No	-6.254303e-01	0.5486258650	-0.147293650
## 196	No	-5.975562e-01	0.1610476759	-0.269002937
## 197	No	-4.477331e-01	-0.1388226874	0.161724712
##	Min_hist.PET	Max_hist.PET	Mean_hist.PET	Variance_hist.PET
## 1	-0.454140780	-0.436131092	-0.42048564	-0.262599366
## 2	0.499836932	0.148695102	0.31539525	0.394973135
## 3	-1.150433827	-1.176882253	-1.13622825	-0.895797210
## 4	-0.444619049	-0.151665806	-0.34862948	-0.280288456
## 5	-0.988740711	-1.106175988	-1.11551343	-0.933560628
## 6	-1.186492286	-1.222305741	-1.20486110	-0.928918492
## 7	0.028149103	0.267390880	0.24976299	0.907540348
## 8	-0.561989812	-0.762698072	-0.68780319	-0.715087734
## 9	-0.528239427	-0.642803890	-0.50751256	-0.522180988
## 10	-0.565148345	-0.482678421	-0.58190987	-0.337403569
## 11	-0.654782712	-0.592806821	-0.56478860	-0.597709759
## 12	-1.173781935	-1.188683737	-1.16224355	-0.912316415
## 13	0.256455624	0.108476264	0.39239697	0.411580801
## 14	-0.908294711	-0.925895599	-0.95716907	-0.685048097
## 15	0.183633869	0.646171150	0.59404495	1.444452874
## 16	-1.008128368	-0.925012629	-0.94999501	-0.816343991
## 17	-0.646793612	-0.593583090	-0.61690357	-0.598532462
## 18	0.178899580	0.156217193	0.06182947	0.059190735
## 19	-0.021851467	-0.085122355	-0.03176275	-0.071021478
## 20	-0.167904161	-0.114918157	-0.10728550	0.006018127
## 21	-0.114233980	-0.413356220	-0.28664828	-0.523870679
## 22	-0.491878895	-0.871946884	-0.66626353	-0.759674087
## 23	0.040324307	-0.290196742	0.04072446	-0.102690291
## 24	-0.576238410	-0.279103528	-0.45780663	-0.301718514
## 25	-0.740218138	-0.970509258	-0.78474927	-0.816927644
## 26	-0.617096145	-0.744610586	-0.81983335	-0.835713421
## 27	0.272052721	-0.051125309	0.04257249	0.084529655
## 28	-0.411910275	-0.615948142	-0.49835132	-0.693751512
## 29	-1.206354315	-1.210773072	-1.19671614	-0.923416676
## 30	0.010401789	0.006474164	0.16794305	0.232626154
## 31	-0.957165415	-1.122852684	-1.04336684	-0.883502341
## 32	-0.017658143	-0.275011081	-0.19311513	-0.275257003
## 33	-0.336792882	-0.273711999	-0.17000247	-0.193557633
## 34	0.122148090	-0.052399627	-0.02402389	0.029825039
## 35	0.895298361	0.543366055	0.58811330	0.352146232
## 36	-1.011158730	-1.137671016	-1.08409202	-0.889024686
## 37	-0.996942826	-1.054131241	-1.03205203	-0.848494990

## 38	0.006550654	-0.238327709	-0.13154145	-0.173823608
## 39	-0.348523801	-0.479041194	-0.29077168	-0.450604503
## 40	0.505945795	0.209152691	0.55770230	0.698977085
## 41	1.243741442	0.701435118	0.93979624	1.267984287
## 42	-0.203943163	-0.188867255	-0.08275113	0.107007816
## 43	-1.151662179	-0.921444145	-1.13471290	-0.817168521
## 44	-0.957372012	-1.122922374	-1.04350116	-0.883613052
## 45	-1.297822383	-1.350069992	-1.38018367	-0.975839671
## 46	-0.147715388	1.611138063	0.36448252	4.250125419
## 47	-1.409825828	-1.360446072	-1.35742742	-0.954864819
## 48	0.148431285	0.209030835	0.18954335	0.133549298
## 49	-0.243825077	-0.481637126	-0.23962499	-0.339561365
## 50	-0.309811870	-0.595342467	-0.34187286	-0.532610424
## 51	-0.225552444	-0.449387751	-0.25533367	-0.386646570
## 52	-0.004296309	-0.188640728	0.06630367	-0.058926534
## 53	-0.963784754	-0.987536909	-1.05951787	-0.887937888
## 54	-0.674202462	-0.236031649	-0.30931480	0.297289845
## 55	-0.877501075	-0.722932966	-0.86057600	-0.629047514
## 56	-1.103506543	-1.182084130	-1.08985597	-0.887313283
## 57	-0.649032084	-0.487525757	-0.62665869	-0.538867119
## 58	0.499601251	0.458407574	0.71487102	0.702472768
## 59	-1.262491629	-1.199998066	-1.21349848	-0.881582736
## 60	0.207669565	0.878112246	0.60311190	1.639019431
## 61	-0.607070758	-0.250545643	-0.56268654	-0.531126785
## 62	-1.024684839	-0.992706850	-1.02824969	-0.844568177
## 63	-0.906875407	-0.072865786	-0.93977942	-0.746256412
## 64	-0.289417903	0.490292800	-0.20326160	0.170807637
## 65	1.001643846	0.688521362	0.72813649	1.294258127
## 66	0.243999409	0.528547250	0.39496172	0.104764461
## 67	-1.033871000	-0.924108008	-0.97704823	-0.786590375
## 68	0.640091662	0.737592158	0.64876015	0.926375569
## 69	-0.631346549	-0.761793450	-0.71859798	-0.692285608
## 70	-0.211947306	-0.039952188	-0.12064643	0.231832257
## 71	-0.021828802	-0.254280707	-0.09081849	-0.209212322
## 72	0.134580838	-0.110189633	-0.16192780	-0.478785050
## 73	-0.902942636	-0.812555490	-0.97339000	-0.797733632
## 74	-1.063847874	-1.067036674	-1.06529030	-0.871289914
## 75	-0.448512506	-0.066546496	-0.32931655	-0.110733845
## 76	-0.303276373	-0.862189628	-0.56659776	-0.849333064
## 77	-1.293682413	-1.338976305	-1.29101153	-0.957853703
## 78	0.368214161	0.105137285	0.27174800	0.205712123
## 79	-0.633693334	-0.762585079	-0.72012377	-0.693543203
## 80	-1.050870351	-0.302738229	-0.92394267	-0.587433598
## 81	-0.037772100	-0.284586534	-0.06880297	-0.187245583
## 82	-0.781339836	-0.275769826	-0.62919684	-0.258153285
## 83	0.272493997	-0.050976456	0.04285939	0.084766126
## 84	-1.205913039	-1.210624219	-1.19642924	-0.923180205
## 85	-0.956724139	-1.122703831	-1.04307994	-0.883265870
## 86	0.006991930	-0.238178855	-0.13125455	-0.173587137
## 87	-0.806081173	-0.703605736	-0.89085451	-0.691372078
## 88	-0.445245259	-0.533155203	-0.42923218	-0.410484653
## 89	-0.519832519	-0.580131230	-0.47230733	-0.463705630
## 90	-0.039251176	-0.060474911	0.03769923	-0.012125847
## 91	-0.363779712	-0.217251116	-0.24357860	-0.175162785

## 92	1.141097861	1.063726043	1.17543560	1.106972399
## 93	0.362497632	0.103208960	0.26803134	0.202648751
## 94	-0.482648406	-0.509788505	-0.63948012	-0.698395476
## 95	-0.819014769	-0.914022124	-0.88717541	-0.767887793
## 96	-0.549905672	-0.305070149	-0.46611290	-0.390937010
## 97	-0.262023496	0.023406076	-0.08699255	0.368140794
## 98	-0.549658959	-0.304986927	-0.46595250	-0.390804801
## 99	-1.024022925	-0.992483570	-1.02781934	-0.844213471
## 100	0.268576671	-0.052297866	0.04031250	0.082666910
## 101	-0.960641465	-1.124025241	-1.04562683	-0.885365086
## 102	1.140694695	1.063590046	1.17517348	1.106756350
## 103	1.141781838	1.063956766	1.17588029	1.107338928
## 104	-0.482401693	-0.509705283	-0.63931972	-0.698263267
## 105	1.142363520	1.064152981	1.17625848	1.107650640
## 106	-1.382969777	-1.324889857	-1.35564251	-0.942668623
## 107	0.955263142	0.642080056	0.96499074	1.109235532
## 108	-1.278824654	-1.157759562	-1.20725554	-0.881383348
## 109	-1.186431510	-0.999028170	-0.91854296	-0.752320168
## 110	-1.008697614	-1.136840821	-1.08249190	-0.887705824
## 111	0.508406911	0.209982886	0.55930242	0.700295947
## 112	1.246202558	0.702265312	0.94139635	1.269303149
## 113	1.141519079	1.063868131	1.17570946	1.107198121
## 114	-0.448741368	-0.534334526	-0.43150521	-0.412358147
## 115	-0.309694932	-0.864354764	-0.57077085	-0.852772639
## 116	-0.960220248	-1.123883154	-1.04535297	-0.885139364
## 117	-0.649848445	-0.594613560	-0.61888970	-0.600169485
## 118	-0.657837544	-0.593837291	-0.56677473	-0.599346782
## 119	-0.153451974	1.609202972	0.36075282	4.247051298
## 120	-0.048658376	-0.063648190	0.03158305	-0.017166974
## 121	-0.373186911	-0.220424395	-0.24969479	-0.180203913
## 122	1.131690661	1.060552765	1.16931941	1.101931271
## 123	0.353090432	0.100035681	0.26191515	0.197607624
## 124	-0.492055606	-0.512961784	-0.64559630	-0.703436603
## 125	-0.828421969	-0.917195403	-0.89329159	-0.772928920
## 126	-0.559312872	-0.308243428	-0.47222908	-0.395978137
## 127	-0.271430695	0.020232797	-0.09310873	0.363099667
## 128	-0.559066159	-0.308160205	-0.47206868	-0.395845929
## 129	-1.033430125	-0.995656849	-1.03393553	-0.849254598
## 130	0.259169471	-0.055471145	0.03419631	0.077625783
## 131	-0.970048665	-1.127198520	-1.05174301	-0.890406213
## 132	1.131287495	1.060416767	1.16905729	1.101715223
## 133	1.132374639	1.060783487	1.16976411	1.102297801
## 134	-0.491808892	-0.512878562	-0.64543590	-0.703304395
## 135	1.132956320	1.060979703	1.17014230	1.102609512
## 136	-1.392376977	-1.328063136	-1.36175870	-0.947709751
## 137	0.945855942	0.638906778	0.95887456	1.104194404
## 138	-1.288231854	-1.160932840	-1.21337172	-0.886424475
## 139	-1.195838710	-1.002201449	-0.92465914	-0.757361296
## 140	-1.018104814	-1.140014100	-1.08860809	-0.892746952
## 141	0.498999711	0.206809607	0.55318623	0.695254820
## 142	1.236795359	0.699092034	0.93528017	1.264262022
## 143	1.132111879	1.060694852	1.16959327	1.102156993
## 144	-0.458148568	-0.537507805	-0.43762139	-0.417399274
## 145	-0.969627447	-1.127056433	-1.05146916	-0.890180491

## 146	-0.659255645	-0.597786839	-0.62500589	-0.605210613
## 147	-0.667244744	-0.597010569	-0.57289091	-0.604387909
## 148	1.219938218	0.678942323	1.21712815	0.315930407
## 149	1.087964632	0.451531641	1.01263243	-0.070167711
## 150	1.256483484	0.743441073	1.18571079	0.221759998
## 151	1.698995755	1.264935119	1.82898548	0.877200070
## 152	-0.219981135	-0.332857245	-0.42265761	-0.780822638
## 153	0.359183449	1.170153277	1.07774853	1.589632828
## 154	-0.047413778	0.196350643	-0.02477387	-0.263041889
## 155	-0.499424713	-0.721951685	-0.48333381	-0.779573427
## 156	0.409524204	0.667165061	0.44306075	-0.082681100
## 157	2.706790874	2.559031723	3.12612017	2.399998675
## 158	-0.817394885	-0.757779557	-0.73061883	-0.768112333
## 159	2.122927503	3.398441065	2.90260194	4.273091999
## 160	0.493446856	1.141125287	0.57100506	-0.067200432
## 161	-0.341781306	-0.343197126	-0.36012125	-0.694083216
## 162	-0.106162442	1.496485001	-0.18318070	-0.497459686
## 163	1.128752566	2.622802174	1.28985493	1.336668411
## 164	3.710876065	3.019259298	3.15265111	3.583569392
## 165	2.195587190	2.699311074	2.48630158	1.204582060
## 166	-0.360153627	-0.205999442	-0.25771833	-0.578127613
## 167	2.987771696	3.117400891	2.99389844	2.847804276
## 168	0.444895275	0.118629673	0.25918217	-0.389518078
## 169	1.283693760	1.562312198	1.45508528	1.458717652
## 170	1.663930769	1.133655159	1.51474115	0.576628494
## 171	1.976750048	1.421837308	1.37252253	0.037483038
## 172	-0.098296900	0.017105595	-0.25040186	-0.600414125
## 173	-0.420107376	-0.491856775	-0.43420246	-0.747526690
## 174	0.810563360	1.509123582	1.03774503	0.773585448
## 175	1.101035626	-0.082162681	0.56318261	-0.703612989
## 176	-0.879776454	-1.035736035	-0.88564493	-0.920654267
## 177	2.444016694	1.852491144	2.23987413	1.406477384
## 178	0.440201704	0.117046417	0.25613060	-0.392033267
## 179	-0.394152330	1.036740116	-0.15150721	-0.179814058
## 180	1.632044173	1.073043507	1.55877220	0.620561972
## 181	0.144908700	1.090676923	0.43798445	0.478746568
## 182	2.252576367	1.540263662	1.78209691	1.164585390
## 183	-0.704237705	-0.779031864	-0.69648035	-0.851307272
## 184	-0.205859905	-0.603191088	-0.38978175	-0.771478602
## 185	1.721572233	1.165858863	1.43386903	0.647878864
## 186	0.095426027	0.235005102	-0.08533088	-0.387691018
## 187	0.817097854	0.575906167	0.83791378	0.174083832
## 188	0.667923334	0.481954114	0.75176348	0.067641879
## 189	1.629086020	1.521266752	1.77177660	0.970801444
## 190	0.980028949	1.207714341	1.20922093	0.644727568
## 191	3.989784094	3.769668661	4.04724933	3.208997935
## 192	2.432583636	1.848634494	2.23244081	1.400350641
## 193	0.742291560	0.622639563	0.41741790	-0.401737814
## 194	0.069558835	-0.185827674	-0.07797268	-0.540722448
## 195	0.607777028	1.032076276	0.76415234	0.213179118
## 196	1.183541381	1.689028726	1.52239304	1.731334726
## 197	0.608270454	1.032242721	0.76447314	0.213443536
##	Standard_Deviation_hist.PET	Skewness_hist.PET	Kurtosis_hist.PET	
## 1	-0.236250552	-0.3229376418	-0.273096948	

## 2	0.297017495	-0.1769772204	-0.266484036
## 3	-1.128971012	-0.9586985912	-0.471845616
## 4	-0.253409140	-0.1155756529	0.119978410
## 5	-1.239829990	0.9580073055	0.907197961
## 6	-1.224635010	-0.4355546347	-0.191072384
## 7	0.627615134	-0.1049732780	-0.101172425
## 8	-0.775480289	-0.0038561620	-0.139817880
## 9	-0.513800456	-0.6571523643	-0.307263877
## 10	-0.310313229	0.4363852002	0.247376082
## 11	-0.608380413	-1.1526948817	-0.378800628
## 12	-1.174262761	-0.8147253924	-0.403885571
## 13	0.308604952	-1.0693543759	-0.432679386
## 14	-0.729815833	0.5618042429	0.140377700
## 15	0.928826797	-0.5072160522	-0.291969423
## 16	-0.951104825	-0.1978712409	-0.025092051
## 17	-0.609458505	-0.5421709377	-0.231421533
## 18	0.045817276	0.1786200180	0.092400063
## 19	-0.062266685	-0.4999522114	-0.227556166
## 20	0.002535656	-0.4743538928	-0.213325288
## 21	-0.515829519	-0.0276594765	0.012600954
## 22	-0.848048352	-0.2477281286	-0.378194044
## 23	-0.089686347	-1.1042312178	-0.510842199
## 24	-0.274483587	-0.2936481475	-0.090319017
## 25	-0.952245665	-0.7341091882	-0.349535354
## 26	-0.990019443	1.2196631084	1.070604341
## 27	0.066058135	0.2364460300	0.004093660
## 28	-0.742809190	-0.4001791806	-0.072602503
## 29	-1.207303862	-0.3201324060	-0.168251362
## 30	0.179880378	-0.6831495726	-0.266649737
## 31	-1.097675521	-0.2391274288	-0.298786831
## 32	-0.248507150	0.1142672442	-0.078805437
## 33	-0.171185315	-0.8884347332	-0.328622852
## 34	0.022052739	-0.0975938169	-0.179588392
## 35	0.266812538	0.2467087705	0.250268615
## 36	-1.111506252	-0.3196713704	-0.271810793
## 37	-1.017011222	-0.2564675726	-0.279474459
## 38	-0.153108212	0.2908308948	0.074796646
## 39	-0.430932913	-1.0428079715	-0.355968428
## 40	0.499245416	-0.7912776101	-0.402221987
## 41	0.833862773	0.1812821738	-0.050816126
## 42	0.083815543	-0.7115878130	-0.334292189
## 43	-0.952716823	0.4643219379	0.403957822
## 44	-1.098232688	-0.2406160393	-0.299125465
## 45	-1.422546237	1.5379179035	1.337081927
## 46	2.137318295	0.4351451733	0.205909767
## 47	-1.317184823	-1.1129894501	-0.448321680
## 48	0.110667219	-0.8251023079	-0.324689100
## 49	-0.306743572	-0.7329500954	-0.389027725
## 50	-0.520898659	-1.2372204949	-0.533922622
## 51	-0.355681792	-0.8007165565	-0.425858691
## 52	-0.045912473	-0.9965974568	-0.396013135
## 53	-1.105163200	0.5431908314	0.492781054
## 54	0.233602663	0.0921115180	-0.130091502
## 55	-0.644981435	0.2442720742	0.141228561

## 56	-1.103578248	-0.9067518679	-0.473341526
## 57	-0.528529146	-0.1168879425	0.003552502
## 58	0.507782517	-1.3188628286	-0.373072441
## 59	-1.089250935	-0.3730965874	-0.308105861
## 60	1.036130723	-0.5151967385	-0.127305820
## 61	-0.519096791	-0.3984492129	0.100571023
## 62	-1.004431142	-0.4303416077	-0.188887368
## 63	-0.820685488	2.2236744849	5.385320383
## 64	0.139386758	0.4098778177	0.490251157
## 65	0.854679192	0.3207620814	0.024216454
## 66	0.088152793	-1.3074583383	-0.232537713
## 67	-0.890606195	-0.2418430590	-0.103906489
## 68	0.645230275	-0.4507196729	-0.246824811
## 69	-0.735533559	0.0176318574	-0.122007995
## 70	0.185450428	-0.0866315740	-0.034563302
## 71	-0.178291632	-0.4893296029	-0.305542429
## 72	-0.455867501	0.9754760767	0.901952410
## 73	-0.909946391	0.8621899318	1.002519034
## 74	-1.063435157	-0.7597638716	-0.378141112
## 75	-0.089238450	-0.0880117905	0.062967445
## 76	-1.013661186	-0.4509220083	-0.329276449
## 77	-1.329774640	-0.6178487129	-0.300540827
## 78	0.167441483	-0.4034107660	-0.238645631
## 79	-0.741862547	0.0007223990	-0.125854623
## 80	-0.594128831	0.4214759718	0.697601475
## 81	-0.164406266	-0.4679557584	-0.279609255
## 82	-0.231007770	0.3251180735	0.336678663
## 83	0.067248201	0.2396255862	0.004816958
## 84	-1.206113796	-0.3169528498	-0.167528064
## 85	-1.096485455	-0.2359478726	-0.298063533
## 86	-0.151918145	0.2940104511	0.075519944
## 87	-0.738402700	1.3578842008	1.175290473
## 88	-0.385928402	-0.6755403163	-0.417138353
## 89	-0.444751202	-0.7870589170	-0.427518658
## 90	-0.020319562	-0.9765257851	-0.366699532
## 91	-0.162005578	-0.5463867403	-0.238967828
## 92	0.735615249	-0.7762455352	-0.208772130
## 93	0.152024719	-0.4446004723	-0.248015621
## 94	-0.756841150	0.5288409158	0.407905711
## 95	-0.868302735	-0.0009078462	-0.162961756
## 96	-0.373863837	-0.4375924412	-0.166344487
## 97	0.270090088	-0.1943679480	-0.108700636
## 98	-0.373198482	-0.4358147802	-0.165940098
## 99	-1.002646043	-0.4255722732	-0.187802421
## 100	0.056683661	0.2113997980	-0.001603951
## 101	-1.107049995	-0.2641736608	-0.304484442
## 102	0.734527962	-0.7791504934	-0.209432961
## 103	0.737459851	-0.7713172229	-0.207651019
## 104	-0.756175795	0.5306185768	0.408310100
## 105	0.739028575	-0.7671259897	-0.206697582
## 106	-1.271807605	-0.2166783163	-0.267365802
## 107	0.751104499	-0.6285912774	-0.259441420
## 108	-1.089063229	-0.7170450878	-0.356658848
## 109	-0.831207836	-1.1328891366	-0.394077328

## 110	-1.104868929	-0.3019381179	-0.267776766
## 111	0.505882739	-0.7735443576	-0.398187959
## 112	0.840500096	0.1990154263	-0.046782098
## 113	0.736751221	-0.7732105042	-0.208081710
## 114	-0.395356971	-0.7007310736	-0.422868842
## 115	-1.030971238	-0.4971700996	-0.339797140
## 116	-1.105914023	-0.2611386298	-0.303794022
## 117	-0.617697007	-0.5641821387	-0.236428725
## 118	-0.616618916	-1.1747060827	-0.383807819
## 119	2.121847437	0.3938109417	0.196506899
## 120	-0.045689606	-1.0443081440	-0.382118919
## 121	-0.187375622	-0.6141690991	-0.254387215
## 122	0.710245205	-0.8440278940	-0.224191518
## 123	0.126654675	-0.5123828312	-0.263435009
## 124	-0.782211194	0.4610585570	0.392486324
## 125	-0.893672779	-0.0686902051	-0.178381143
## 126	-0.399233881	-0.5053748001	-0.181763874
## 127	0.244720044	-0.2621503068	-0.124120024
## 128	-0.398568526	-0.5035971391	-0.181359485
## 129	-1.028016087	-0.4933546321	-0.203221809
## 130	0.031313617	0.1436174392	-0.017023339
## 131	-1.132420039	-0.3319560196	-0.319903829
## 132	0.709157918	-0.8469328523	-0.224852348
## 133	0.712089807	-0.8390995818	-0.223070407
## 134	-0.781545839	0.4628362180	0.392890713
## 135	0.713658531	-0.8349083485	-0.222116969
## 136	-1.297177649	-0.2844606751	-0.282785189
## 137	0.725734455	-0.6963736362	-0.274860807
## 138	-1.114433273	-0.7848274466	-0.372078235
## 139	-0.856577880	-1.2006714955	-0.409496715
## 140	-1.130238973	-0.3697204767	-0.283196153
## 141	0.480512695	-0.8413267164	-0.413607346
## 142	0.815130052	0.1312330675	-0.062201485
## 143	0.711381177	-0.8409928630	-0.223501097
## 144	-0.420727015	-0.7685134324	-0.438288229
## 145	-1.131284067	-0.3289209887	-0.319213409
## 146	-0.643067051	-0.6319644975	-0.251848112
## 147	-0.641988960	-1.2424884416	-0.399227206
## 148	1.035955459	-0.1478582659	-0.616651086
## 149	0.607645285	-1.1563990648	-0.906440879
## 150	0.938079019	-0.2833911880	-0.690313016
## 151	1.557617658	-0.6751529886	-0.630621906
## 152	-0.560883796	2.4044235878	1.146966473
## 153	2.116647930	1.5022649609	-0.098778639
## 154	0.359479734	1.8065860733	0.443861486
## 155	-0.557713893	-0.4954618107	-0.785278688
## 156	0.592384311	1.0842660400	0.168509369
## 157	2.665007637	-1.3196837322	-0.584740516
## 158	-0.529059267	0.5718487502	-0.454807357
## 159	3.721704050	0.2876484481	-0.093207276
## 160	0.611249021	0.5211434991	0.362546411
## 161	-0.359419681	0.4573587097	-0.216370370
## 162	0.008071627	5.7653908947	10.932045131
## 163	1.928216120	2.1377975603	1.141906678

## 164	3.358800987	1.9595660879	0.209837272		
## 165	1.825748189	-1.2968747517	-0.303671061		
## 166	-0.131769787	0.8343558071	-0.046408614		
## 167	2.939903154	0.4166025792	-0.332245257		
## 168	0.178375485	1.3533056398	-0.082611625		
## 169	2.020343459	1.1447787770	0.092277760		
## 170	1.292859340	0.3393827192	-0.449680493		
## 171	0.737707602	3.2689940784	1.965309186		
## 172	-0.170450178	3.0424217885	2.166442434		
## 173	-0.477427711	-0.2014858183	-0.594877859		
## 174	1.470965704	1.1420183441	0.287339254		
## 175	-0.377879769	0.4161979084	-0.497148534		
## 176	-1.010106676	0.0823444992	-0.439677289		
## 177	1.984325570	0.5112203930	-0.315886898		
## 178	0.165717510	1.3194867230	-0.090304880		
## 179	0.461184941	2.1609938686	1.556607315		
## 180	1.320630072	0.3821304081	-0.397814146		
## 181	1.187427063	1.9682780721	0.834761691		
## 182	1.783939006	1.7972930975	0.171038280		
## 183	-0.762784989	0.6841362254	-0.173651764		
## 184	-0.543528306	0.8461461798	-0.434722701		
## 185	1.345606313	1.9060628272	0.312444252		
## 186	0.172637203	4.0338103266	2.511985311		
## 187	0.877585799	-0.0330387077	-0.672872341		
## 188	0.759940199	-0.2560759091	-0.693632952		
## 189	1.608803480	-0.6350096453	-0.571994700		
## 190	1.325431448	0.2252684444	-0.316531290		
## 191	3.120673102	-0.2344491454	-0.256139896		
## 192	1.953492041	0.4288409804	-0.334626878		
## 193	0.135760303	2.3757237566	0.977215787		
## 194	-0.087162866	1.3162262326	-0.164519147		
## 195	0.901714929	0.4428570425	-0.171284608		
## 196	2.189622779	0.9293060291	-0.055996908		
## 197	0.903045639	0.4464123645	-0.170475830		
##	Energy_hist.PET	Entropy_hist.PET	AUC_hist.PET	H_suv.PET	Volume.PET
## 1	0.0502198022	-0.379855313	-0.5675836	-0.1211438695	-0.771342646
## 2	0.0919112948	-0.746825191	-0.5634659	0.9495391540	-0.869782223
## 3	0.0474449940	-0.370489382	-0.5814501	-1.0718854875	-0.484940901
## 4	-0.0124214921	-0.157042137	-0.4067915	-0.3934530021	0.058715320
## 5	0.1532692404	-0.853173978	-0.4082919	-1.2107988901	-0.422851356
## 6	0.0551450867	-0.153649760	-0.5643056	-1.1009678864	-0.760483314
## 7	0.0356173742	-0.550899021	-0.5737645	0.9083405327	-0.475525011
## 8	0.1003397746	-0.765439417	-0.5461381	-0.6069056286	-0.209329542
## 9	0.1174742150	-0.339455849	-0.5720168	-0.5653818112	-0.758347973
## 10	0.2054703189	-0.255150913	-0.5644463	0.0286209557	-0.695380839
## 11	-0.0289662858	0.172827770	-0.5533293	-0.8873300047	-0.514572238
## 12	0.0420341181	-0.582072351	-0.5725113	-1.0759011269	-0.129636679
## 13	-0.0088836117	-0.238771082	-0.5805507	0.3824756901	0.557520473
## 14	0.8484974258	0.016601372	-0.4911625	-0.5192412745	-0.334757758
## 15	-0.0244572225	0.017943942	-0.5472422	1.2729107471	1.077186147
## 16	0.1194165808	-0.807829752	-0.5565305	-0.9656143156	-0.455765893
## 17	-0.0004551319	-0.321043421	-0.5657848	-0.7336108476	-0.766813548
## 18	-0.0191157168	-0.073974158	-0.4642309	-0.0914137438	0.839085533
## 19	0.0129680026	-0.429251532	-0.5790374	0.1599135729	-0.281216159

## 20	0.0127945771	-0.425853733	-0.5695615	-0.0915150344	-0.533104339
## 21	0.0292006303	-0.523323874	-0.5537001	-0.3828841270	-0.674082772
## 22	0.5806243827	-1.280332738	-0.5466710	-0.2629014056	-0.997579162
## 23	0.0115459134	-0.415889715	-0.5675794	-0.1042803163	-0.502669788
## 24	-0.0138782664	-0.171070878	-0.5671233	0.0988659911	0.159316094
## 25	0.2736265445	-1.045736532	-0.5651965	-0.7524442365	-0.916411437
## 26	0.0094994924	-0.388664650	-0.4909749	-1.1633775603	-0.379328809
## 27	0.2854194792	-1.060120070	-0.5648129	-0.2693373574	-0.702456163
## 28	0.0063084630	-0.846469141	-0.5695146	-0.5674969190	-0.409746237
## 29	0.1608999628	-0.887606253	-0.5413384	-1.0159051015	-0.716419729
## 30	-0.0029177742	-0.302113060	-0.5702734	0.2937171309	-0.281325323
## 31	0.1381465359	-0.852100865	-0.5540539	-0.9608563226	-0.792523857
## 32	0.0033949144	-0.357353173	-0.5445141	-0.5757267807	0.208544747
## 33	-0.0073921523	-0.257541843	-0.5860794	-0.4680188815	-0.179581285
## 34	0.0393286801	-0.564011184	-0.5584018	-0.2213282756	-0.702504530
## 35	0.0082855138	-0.632096360	-0.5690159	0.3607475223	-0.484351191
## 36	0.3328340137	-1.100837084	-0.5188016	-0.8463033109	-0.336015708
## 37	0.0423115989	-0.572746496	-0.5223610	-1.0989034239	-0.693534073
## 38	0.2429649143	-1.009264587	-0.5658018	0.0956020346	-0.982310477
## 39	-0.0057966376	-0.266972605	-0.5666373	-0.3573775530	-0.160296423
## 40	0.0712736591	-0.689514054	-0.5766972	0.8688425274	-0.835033816
## 41	0.0252465287	-0.502356201	-0.5480734	1.4659106678	-0.646406952
## 42	0.0587870224	-0.647404728	-0.5668036	0.2134976363	-0.799771118
## 43	0.1797339732	-0.159865189	0.2596514	-1.1829533027	0.118470969
## 44	0.1024208808	-0.852343682	-0.5584445	-0.9622290769	-0.792523880
## 45	0.7522462676	-1.039992122	-0.3962712	-1.4102227676	-0.980812471
## 46	0.4446934678	-0.086861184	-0.4673128	0.8631542602	0.501704314
## 47	0.5120519360	-0.606446075	-0.5242920	-1.2462945837	-0.490636584
## 48	0.4406006257	0.013602218	-0.4570270	0.0619402340	0.754357944
## 49	0.6037593458	-0.853510623	-0.5139124	-0.0304581232	-0.930687063
## 50	0.4848241308	-0.473909738	-0.5235332	-0.4511566611	-0.605256635
## 51	0.4793438847	-0.439483357	-0.5189253	0.0350195899	-0.546158837
## 52	0.5337648098	-0.678644774	-0.5095133	0.4785285058	-0.820718125
## 53	0.5126415827	-0.365547921	-0.4598233	-1.0963498344	0.814590923
## 54	0.5743116941	-0.766296116	-0.4122477	0.2989375954	-0.846961585
## 55	0.4924201682	-0.519894485	-0.5229194	-0.6200560814	-0.322605154
## 56	0.7214458970	-1.026581034	-0.5095218	-0.7745749012	-0.910715159
## 57	0.4602670786	-0.295912718	-0.5104212	-0.4377942977	-0.290302522
## 58	0.4526016710	-0.210800119	-0.5282392	0.5937918846	-0.050125712
## 59	0.4980044696	-0.539603749	-0.4989589	-1.1666161942	-0.324029149
## 60	0.4401844045	-0.705592602	-0.5000544	1.1287249020	-0.455540456
## 61	0.4494453268	-0.149982739	-0.4727307	-0.7535171173	0.425661373
## 62	0.4809393994	-0.436348414	-0.4683956	-0.9159779202	-0.250964395
## 63	0.4556192749	-0.230367228	-0.4502409	-0.8124029443	0.498082183
## 64	0.4357793966	-0.569341624	-0.3886069	-0.1669352201	0.728589750
## 65	0.6018169801	-0.847852024	-0.5065337	0.5104990198	-0.853659769
## 66	0.4625562953	-0.282588620	-0.5634915	0.3104753951	0.172782550
## 67	0.5735486219	-0.783175963	-0.4966954	-0.8098813413	0.001202952
## 68	0.4315824992	0.303336931	-0.4338509	0.0270949327	0.880515712
## 69	0.5474654251	-0.719684051	-0.5048755	-0.5406135924	-0.628891726
## 70	0.6155869656	-0.876309802	-0.5160309	0.7865399115	-0.941165126
## 71	0.5928682237	-0.883850828	-0.4847131	0.1736104618	-0.516217186
## 72	0.6311952615	-0.339726484	-0.3307923	-0.1413233572	-0.570342908
## 73	0.7442686942	-0.886461473	-0.4375381	-0.7772017931	-0.937491868

## 74	0.6189514205	-0.553838295	-0.4954124	-1.0380570906	-0.703263523
## 75	0.5583912323	-0.940612678	-0.4700921	-0.5063093962	-0.868379039
## 76	1.4301665872	-1.393917968	-0.4664603	-0.7016923117	-0.935399137
## 77	0.9215789359	-1.101646162	-0.4971558	-1.3108686779	-0.892008101
## 78	0.6521797482	-0.682745094	-0.5033196	0.3601171216	-0.163693966
## 79	0.1416497312	-0.722442273	-0.5547487	-0.5562070147	-0.628891987
## 80	0.0647528599	-0.192249308	-0.5224888	-0.9027301751	-0.700347760
## 81	0.0943045669	-0.456766328	-0.5520931	-0.2444185355	-0.566358280
## 82	0.0791818624	-0.338448508	-0.5161332	-0.5479984773	-0.477640443
## 83	0.3617267037	-1.059601430	-0.5554350	-0.2664052609	-0.924955359
## 84	0.2372071873	-0.887087613	-0.5319605	-1.0129730051	-0.271421189
## 85	0.2144537604	-0.851582225	-0.5446760	-0.9579242261	-0.792523808
## 86	0.3192721388	-0.065764086	-0.5564240	0.0985341311	-0.915560655
## 87	0.1692937575	-0.746729007	-0.5302299	-0.7344371657	-0.332349044
## 88	0.0705799571	-0.978872046	-0.5452302	-0.2091040988	-0.193040789
## 89	0.0770313861	-0.327799650	-0.5347653	-0.5624417180	-0.300776401
## 90	-0.6126124980	-1.146222093	-0.6454754	-0.3806903857	0.048634850
## 91	-0.6153873062	-0.864423987	-0.6046475	-0.0064282596	0.460986269
## 92	-0.6250297645	0.003634192	-0.6417072	0.2343674995	1.034615051
## 93	-0.3363456602	-0.689463840	-0.6248057	0.3221331443	-0.163694600
## 94	-0.6541999353	-0.200690410	-0.5166533	-1.2143707167	0.328442659
## 95	-0.5518788843	-0.614434310	-0.6458121	-0.9635405237	-0.783620210
## 96	-0.6652991680	-0.020850567	-0.5144196	-0.2310335150	2.076620534
## 97	-0.6036984268	-0.310908016	-0.6355434	0.3669235838	-0.314467666
## 98	-0.6226364925	-0.020560601	-0.5091765	-0.2293942065	2.076620561
## 99	0.5954002362	-0.435570453	-0.4543288	-0.9115797755	-0.250964321
## 100	-0.3156733393	-1.064205539	-0.6386850	-0.2924342812	-0.924955794
## 101	-0.4629462826	-0.856186334	-0.6279260	-0.9839532464	-0.792524243
## 102	-0.6947468196	0.003160344	-0.6502752	0.2316886295	1.034615006
## 103	-0.5067535665	0.004438084	-0.6271715	0.2389122491	1.034615126
## 104	-0.6115372598	-0.200400443	-0.5114102	-1.2127314082	0.328442687
## 105	-0.4061667706	0.005121746	-0.6148098	0.2427772854	1.034615191
## 106	-0.0702068721	-0.454950852	-0.5685768	-1.3490592348	-0.549732737
## 107	0.5369905243	-0.088247131	-0.5232007	0.7834732052	0.586615738
## 108	0.4066092257	-0.086112456	-0.4970833	-1.1740463933	-0.160981726
## 109	0.4942237935	-0.680818583	-0.5276126	-0.9142213279	-0.614524188
## 110	0.7584202158	-1.097944487	-0.4664987	-0.8299502090	-0.847763699
## 111	0.4968598613	-0.686621457	-0.5243943	0.8851956292	0.499961930
## 112	0.4508327308	-0.499463604	-0.4957704	1.4822637697	-0.646406679
## 113	-0.5521910502	0.004129258	-0.6327556	0.2371663189	1.034615097
## 114	-0.5339813716	-0.982981089	-0.6195285	-0.2323342997	-0.193041177
## 115	0.3202433216	-1.401461822	-0.6028657	-0.7443409880	-0.935399849
## 116	-0.3901075683	-0.855691268	-0.6189744	-0.9811544270	-0.792524196
## 117	-0.5287092361	-0.324633824	-0.6307052	-0.7539089520	-0.766813887
## 118	-0.5572203900	0.169237366	-0.6182497	-0.9076281091	-0.514572576
## 119	-0.5473004508	-0.093603504	-0.5892252	0.8250370058	0.501703678
## 120	-2.2393437841	-1.157278556	-0.8453946	-0.4431973519	0.048633806
## 121	-2.2421185923	-0.875480450	-0.8045668	-0.0689352258	0.460985226
## 122	-2.2517610506	-0.007422270	-0.8416264	0.1718605333	1.034614007
## 123	-1.9630769463	-0.700520303	-0.8247249	0.2596261781	-0.163695643
## 124	-2.2809312215	-0.211746872	-0.7165725	-1.2768776829	0.328441616
## 125	-2.1786101704	-0.625490772	-0.8457314	-1.0260474899	-0.783621253
## 126	-2.2920304541	-0.031907030	-0.7143388	-0.2935404812	2.076619491
## 127	-2.2304297129	-0.321964478	-0.8354626	0.3044166176	-0.314468710

## 128	-2.2493677786	-0.031617063	-0.7090957	-0.2919011727	2.076619517
## 129	-1.0313310499	-0.446626916	-0.6542480	-0.9740867417	-0.250965365
## 130	-1.9424046255	-1.075262001	-0.8386042	-0.3549412474	-0.924956837
## 131	-2.0896775688	-0.867242796	-0.8278452	-1.0464602126	-0.792525286
## 132	-2.3214781057	-0.007896118	-0.8501944	0.1691816633	1.034613962
## 133	-2.1334848526	-0.006618378	-0.8270907	0.1764052829	1.034614083
## 134	-2.2382685459	-0.211456905	-0.7113294	-1.2752383744	0.328441643
## 135	-2.0328980567	-0.005934716	-0.8147290	0.1802703192	1.034614147
## 136	-1.6969381583	-0.466007315	-0.7684961	-1.4115662010	-0.549733781
## 137	-1.0897407618	-0.099303594	-0.7231199	0.7209662390	0.586614695
## 138	-1.2201220604	-0.097168918	-0.6970026	-1.2365533595	-0.160982770
## 139	-1.1325074926	-0.691875045	-0.7275318	-0.9767282941	-0.614525232
## 140	-0.8683110703	-1.109000949	-0.6664179	-0.8924571752	-0.847764742
## 141	-1.1298714248	-0.697677919	-0.7243135	0.8226886630	0.499960886
## 142	-1.1758985553	-0.510520066	-0.6956896	1.4197568035	-0.646407722
## 143	-2.1789223363	-0.006927205	-0.8326748	0.1746593527	1.034614054
## 144	-2.1607126578	-0.994037551	-0.8194477	-0.2948412659	-0.193042220
## 145	-2.0168388545	-0.866747730	-0.8188936	-1.0436613932	-0.792525240
## 146	-2.1554405222	-0.335690286	-0.8306245	-0.8164159182	-0.766814930
## 147	-2.1839516761	0.158180904	-0.8181689	-0.9701350753	-0.514573620
## 148	1.3340194843	0.942965534	1.6990272	1.5581690841	-0.784051178
## 149	1.0961490545	1.702167302	1.6797855	0.7167720082	-0.133190323
## 150	1.0851885622	1.771020066	1.6890014	1.6891245102	-0.014994726
## 151	1.1940304124	1.292697232	1.7078253	2.5761423420	-0.564113303
## 152	1.1517839582	1.918890937	1.8072052	-0.5736143385	2.706504795
## 153	1.2751241810	1.117394547	1.9023565	2.2169605213	-0.616600223
## 154	1.1113411292	1.610197810	1.6810131	0.3789731676	0.432112640
## 155	1.5693925868	0.596824711	1.7078083	0.0699355281	-0.744107370
## 156	1.0470349500	2.058161343	1.7060094	0.7434967350	0.496717904
## 157	1.0317041349	2.228386542	1.6703735	2.8066690995	0.977071524
## 158	1.1225097320	1.570779282	1.7289340	-0.7141470579	0.429264650
## 159	1.0068696018	1.238801575	1.7267430	3.8765351343	0.166242036
## 160	1.0253914463	2.350021301	1.7813905	0.1120510959	1.928645693
## 161	1.0883795916	1.777289952	1.7900607	-0.2128705100	0.575394158
## 162	1.0377393426	2.189252323	1.8263702	-0.0057205581	2.073487313
## 163	0.9980595859	1.511303530	1.9496380	1.2852148902	2.534502448
## 164	1.3301347529	0.954282731	1.7137845	2.6400833699	-0.629996590
## 165	1.0516133834	2.084809539	1.5998689	2.2400361207	1.422888048
## 166	1.2735980365	1.083634853	1.7334610	-0.0006773522	1.079728852
## 167	0.9896657912	3.256660640	1.8591501	1.6732751959	2.838354372
## 168	1.2214316431	1.210618676	1.7171009	0.5378581456	-0.180460505
## 169	1.3576747239	0.897367175	1.6947901	3.1921651535	-0.805007304
## 170	1.3122372402	0.882285123	1.7574257	1.9663062541	0.044888577
## 171	1.3888913158	1.970533810	2.0652672	1.3364386160	-0.063362869
## 172	1.6150381811	0.877063832	1.8517757	0.0646817442	-0.797660788
## 173	1.3644036337	1.542310188	1.7360271	-0.4570288507	-0.329204098
## 174	1.2432832574	0.768761423	1.7866676	0.6064665380	-0.659435131
## 175	2.9868339672	-0.137849156	1.7939312	0.2157007070	-0.793475326
## 176	1.9696586645	0.446694455	1.7325403	-1.0026520254	-0.706693254
## 177	1.4308602892	1.284496590	1.7202126	2.3393195736	0.749935016
## 178	0.4098002551	1.205102232	1.6173544	0.5066713011	-0.180461026
## 179	0.2560065126	2.265488163	1.6818742	-0.1863750199	-0.323372572
## 180	0.3151099265	1.736454123	1.6226657	1.1302482594	-0.055393612
## 181	0.2848645175	1.973089763	1.6945855	0.5230883759	0.122042062

## 182	0.8499542001	0.530783919	1.6159818	1.0862748086	-0.772587771
## 183	0.6009151674	0.875811552	1.6629309	-0.4068606797	0.534480570
## 184	0.5554083135	0.946822330	1.6374998	-0.2967631218	-0.507724669
## 185	0.7650450703	2.518458607	1.6140039	1.8161535925	-0.753798361
## 186	0.4650883078	1.156528765	1.6663922	0.1502109990	0.412624860
## 187	0.2676607069	0.692242688	1.6363915	1.2008771329	0.691241370
## 188	0.2805635649	1.994387479	1.6573212	0.4942018943	0.475770146
## 189	-1.0987242032	0.357542593	1.4359011	0.8577045590	1.174592647
## 190	-1.1042738195	0.921138804	1.5175568	1.6062288112	1.999295487
## 191	-1.1235587363	2.657255164	1.4434375	2.0878203295	3.146553049
## 192	-0.5461905276	1.271059099	1.4772404	2.2633516189	0.749933748
## 193	-1.1818990779	2.248605959	1.6935454	-0.8096561030	1.734208266
## 194	-0.9772569758	1.421118160	1.4352276	-0.3079957169	-0.489917472
## 195	-1.2040975432	2.608285644	1.6980126	1.1570183004	5.230564014
## 196	-1.0808960608	2.028170748	1.4557651	2.3529324980	0.448387616
## 197	-1.1187721922	2.608865578	1.7084988	1.1602969174	5.230564069
##	X3D_surface.PET	ratio_3ds_vol.PET	ratio_3ds_vol_norm.PET	irregularity.PET	
## 1	-0.52011023	-0.228241250	-0.376749051	-0.40414616	
## 2	-0.43108745	0.422157645	0.001181975	-0.25949200	
## 3	-0.15515582	-0.248361880	-0.113559448	-0.50068282	
## 4	0.24427087	-0.700734480	-0.069268090	-0.77863120	
## 5	-0.45021352	0.409179278	-0.004442091	-0.39608639	
## 6	-0.39178798	-0.035038699	-0.185715505	-0.48397165	
## 7	-0.40714244	-0.097017260	-0.162602618	-0.58918626	
## 8	-0.47280562	0.318699742	-0.098014673	-0.36826702	
## 9	-0.54168021	-0.142618501	-0.281720934	-0.50182359	
## 10	-0.57898250	0.081572735	-0.377103469	-0.28414823	
## 11	3.29823127	-0.885998973	-0.103927133	-0.73880714	
## 12	-0.25060032	-0.227483671	-0.167031236	-0.45194182	
## 13	-0.25696495	-0.608455544	-0.340498046	-0.72761290	
## 14	-0.65968622	0.735663584	-0.592882282	0.10156185	
## 15	1.07494191	-0.343770656	0.486329650	-0.80421045	
## 16	-0.54064547	-0.021110869	-0.414596032	-0.41953174	
## 17	-0.37855896	-0.716280972	-0.567485304	-0.84040612	
## 18	0.92114416	-0.587712689	0.024048929	-0.82330301	
## 19	-0.29117713	-0.320505058	-0.056196725	-0.64221631	
## 20	-0.36664623	-0.522180711	-0.454453885	-0.57836697	
## 21	-0.26950531	-0.191826900	-0.228634352	-0.58102984	
## 22	-0.60419090	0.657691069	-0.282315667	0.13191026	
## 23	-0.44069091	-0.407032285	-0.305644284	-0.80219019	
## 24	0.39029096	-0.202386030	0.348875500	-0.84202699	
## 25	-0.56876818	0.201486385	-0.285674830	-0.49725200	
## 26	-0.10194156	-0.090992855	0.154564500	-0.52598166	
## 27	-0.57293555	0.346502852	-0.203879017	-0.36451967	
## 28	-0.30713085	-0.506207856	-0.359313708	-0.67772901	
## 29	-0.56425899	0.214740634	-0.337762725	-0.42875246	
## 30	-0.29313669	-0.645042669	-0.461503064	-0.72834793	
## 31	-0.55209866	-0.059297947	-0.254417994	-0.43041689	
## 32	-0.06347349	-0.162210855	0.432444058	-0.46141641	
## 33	0.20263313	-0.561440661	-0.308819599	-0.71218590	
## 34	-0.30332603	0.063741563	-0.011870129	-0.52618984	
## 35	-0.02970956	0.135370797	0.321272129	-0.54181122	
## 36	-0.62142423	1.160537220	-0.030065742	-0.14275706	
## 37	-0.38510550	-0.160955257	-0.219801410	-0.53666181	

## 38	-0.59118236	0.590573470	-0.248094284	-0.16811963
## 39	-0.06474833	-0.676563609	-0.450778022	-0.68104192
## 40	-0.56515324	-0.265751563	-0.495140585	-0.57259300
## 41	-0.19619239	0.395758226	0.398617875	-0.47438660
## 42	-0.50832916	-0.284587135	-0.463394800	-0.62678506
## 43	-0.01240192	0.004370538	0.623551655	-0.58924150
## 44	-0.55209869	-0.059707987	-0.254493138	-0.43151093
## 45	-0.57770604	1.081795581	0.059914949	-0.04859861
## 46	0.04839604	-0.200923819	0.503918419	-0.74171537
## 47	-0.25933986	-0.352512871	-0.240639690	-0.44917274
## 48	2.14167903	-0.563320874	0.275082103	-0.67484946
## 49	-0.56972174	-0.199272512	-0.611389050	-0.58287271
## 50	-0.33035349	-0.520858232	-0.507828349	-0.70270813
## 51	-0.11676967	-0.222205300	-0.140698677	-0.73136450
## 52	-0.43145361	-0.195505716	-0.418440641	-0.53748074
## 53	-0.39861664	-0.231993317	-0.349357032	-0.57367641
## 54	-0.43107592	0.245714190	-0.093520031	-0.29962196
## 55	-0.26454908	0.457881297	0.866962073	-0.61976091
## 56	-0.57814434	0.243703799	-0.242745624	-0.43123689
## 57	-0.20797909	-0.375573448	-0.136002458	-0.75420653
## 58	0.04088101	-0.629312654	-0.350915946	-0.66776158
## 59	-0.31872501	-0.392729448	-0.177334304	-0.58807204
## 60	0.29173463	-0.088167957	1.230752718	-0.70999251
## 61	0.03025005	-0.595489518	-0.138324413	-0.59972514
## 62	-0.18869628	-0.448066554	-0.336934826	-0.62258098
## 63	0.28824346	0.077518513	0.679589725	-0.63439022
## 64	1.86879050	-0.417593406	0.787568976	-0.79656599
## 65	-0.48765674	0.115062266	-0.214498129	-0.30910611
## 66	-0.17958567	-0.478416690	-0.051686470	-0.55700561
## 67	-0.56484105	-0.097514484	-0.451934220	-0.27579742
## 68	4.03277191	-0.580062853	0.769319814	-0.72732399
## 69	-0.55613110	0.119360919	-0.206515411	-0.48823203
## 70	-0.55359332	0.077411425	-0.442192107	-0.50786205
## 71	-0.23447032	-0.129114247	-0.012753547	-0.74933115
## 72	-0.27270126	0.008556928	0.084495409	-0.41147091
## 73	-0.52669375	0.409048304	-0.201215996	-0.27100808
## 74	-0.45184043	-0.363884518	-0.433291025	-0.55450207
## 75	0.56497486	-0.459996333	0.289486583	-0.66272581
## 76	-0.67301148	0.777552568	-0.575714685	-0.09224011
## 77	-0.62721376	0.740311369	-0.268655844	-0.04248049
## 78	-0.47285512	-0.034779935	-0.299048887	-0.55519142
## 79	-0.55613148	0.114703182	-0.207368990	-0.50065945
## 80	0.23740802	-0.204041717	0.360644536	-0.55384139
## 81	-0.25765600	-0.341341467	-0.282974237	-0.67410806
## 82	-0.19888048	0.196317889	0.611196568	-0.57818321
## 83	-0.30713078	0.347378665	-0.203718515	-0.36218289
## 84	-0.57293548	0.215616448	-0.337602223	-0.42641568
## 85	-0.56425892	-0.058422133	-0.254257492	-0.42808011
## 86	-0.55209859	0.591449284	-0.247933782	-0.16578285
## 87	-0.48505362	0.629704834	0.175552923	-0.36824578
## 88	-0.12946192	-0.409114731	-0.118972528	-0.63774669
## 89	-0.24361889	-0.564401310	-0.371397838	-0.66261004
## 90	-0.36960309	-1.433124682	-1.425870705	-0.62685304
## 91	-0.28359087	-1.439517726	-1.423429614	-0.83061501

## 92	-0.14448854	-1.441753440	-1.414434857	-0.72895443
## 93	-0.47285605	-0.046125706	-0.301128119	-0.58546335
## 94	-0.21758123	-1.420235887	-1.397092896	-0.50311095
## 95	-0.55499134	-1.376465894	-1.415916656	-0.40997112
## 96	0.14271126	-1.441246264	-1.394761165	-0.86686697
## 97	-0.36608581	-1.393508038	-1.390847978	-0.70681024
## 98	0.14271130	-1.440756604	-1.394671430	-0.86556050
## 99	-0.18869618	-0.446752833	-0.336694073	-0.61907581
## 100	-0.30713142	0.339603827	-0.205143336	-0.38292713
## 101	-0.56425955	-0.066196972	-0.255682313	-0.44882435
## 102	-0.14448861	-1.442553615	-1.414581497	-0.73108939
## 103	-0.14448843	-1.440395928	-1.414186078	-0.72533242
## 104	-0.21758119	-1.419746227	-1.397003161	-0.50180447
## 105	-0.14448834	-1.439241446	-1.413974507	-0.72225211
## 106	-0.07076649	-0.434436501	-0.104879494	-0.60930488
## 107	-0.53542874	-0.067324781	-0.202392549	-0.42208202
## 108	1.39510951	0.036241405	1.498515318	-0.67616230
## 109	-0.51250816	-0.098744604	-0.074314130	-0.59027924
## 110	-0.29313629	1.165421873	-0.029170578	-0.12972420
## 111	-0.56515284	-0.260866910	-0.494245421	-0.55956013
## 112	-0.19619199	0.400642879	0.399513039	-0.46135374
## 113	-0.14448848	-1.440917435	-1.414281650	-0.72672386
## 114	-0.12946249	-0.416053566	-0.120244142	-0.65626037
## 115	-0.67301252	0.764813457	-0.578049261	-0.12622965
## 116	-0.56425948	-0.065360967	-0.255529106	-0.44659378
## 117	-0.37855946	-0.722343993	-0.568596417	-0.85658301
## 118	3.29823078	-0.892061994	-0.105038246	-0.75498404
## 119	0.04839511	-0.212309400	0.501831891	-0.77209352
## 120	-0.36960461	-1.451795442	-1.429292318	-0.67666896
## 121	-0.28359240	-1.458188485	-1.426851227	-0.88043092
## 122	-0.14449007	-1.460424199	-1.417856470	-0.77877034
## 123	-0.47285758	-0.064796466	-0.304549732	-0.63527926
## 124	-0.21758276	-1.438906646	-1.400514509	-0.55292686
## 125	-0.55499287	-1.395136653	-1.419338269	-0.45978703
## 126	0.14270973	-1.459917023	-1.398182778	-0.91668289
## 127	-0.36608734	-1.412178797	-1.394269591	-0.75662616
## 128	0.14270977	-1.459427364	-1.398093043	-0.91537641
## 129	-0.18869770	-0.465423593	-0.340115686	-0.66889173
## 130	-0.30713294	0.320933067	-0.208564949	-0.43274305
## 131	-0.56426108	-0.084867731	-0.259103926	-0.49864026
## 132	-0.14449014	-1.461224375	-1.418003110	-0.78090531
## 133	-0.14448996	-1.459066688	-1.417607691	-0.77514833
## 134	-0.21758272	-1.438416987	-1.400424774	-0.55162039
## 135	-0.14448987	-1.457912206	-1.417396121	-0.77206803
## 136	-0.07076801	-0.453107261	-0.108301107	-0.65912080
## 137	-0.53543027	-0.085995541	-0.205814162	-0.47189793
## 138	1.39510798	0.017570645	1.495093705	-0.72597822
## 139	-0.51250969	-0.117415364	-0.077735743	-0.64009515
## 140	-0.29313782	1.146751114	-0.032592191	-0.17954012
## 141	-0.56515437	-0.279537669	-0.497667034	-0.60937605
## 142	-0.19619351	0.381972119	0.396091426	-0.51116965
## 143	-0.14449000	-1.459588195	-1.417703263	-0.77653978
## 144	-0.12946401	-0.434724326	-0.123665755	-0.70607628
## 145	-0.56426101	-0.084031727	-0.258950719	-0.49640970

## 146	-0.37856098	-0.741014753	-0.572018030	-0.90639893
## 147	3.29822925	-0.910732753	-0.108459859	-0.80479995
## 148	-0.43627725	1.109285388	0.314984750	1.58807301
## 149	0.04245924	0.466113948	0.522106153	1.34840216
## 150	0.46962689	1.063419811	1.256365498	1.29108943
## 151	-0.15974099	1.116818980	0.700881570	1.67885694
## 152	-0.09406706	1.043843779	0.839048787	1.60646560
## 153	-0.15898561	1.999258792	1.350722790	2.15457450
## 154	0.17406806	2.423593007	3.271686997	1.51429659
## 155	-0.45312246	1.995238010	1.052271603	1.89134465
## 156	0.28720804	0.756683516	1.265757936	1.24540537
## 157	0.78492824	0.249205105	0.835930960	1.41829527
## 158	0.06571621	0.722371516	1.183094244	1.57767433
## 159	1.28663548	1.331494498	3.999268287	1.33383340
## 160	0.76366632	0.316851376	1.261114026	1.55436813
## 161	0.32577366	0.611697305	0.863893199	1.50865645
## 162	1.27965314	1.662867438	2.896942301	1.48503797
## 163	4.44074722	0.672643600	3.112900804	1.16068645
## 164	-0.27214725	1.737954943	1.108766594	2.13560621
## 165	0.34399488	0.550997033	1.434389911	1.63980721
## 166	-0.42651587	1.312801445	0.633894411	2.20222358
## 167	8.76871005	0.347704707	3.076402479	1.29917044
## 168	-0.40909597	1.746552251	1.124732030	1.77735437
## 169	-0.40402041	1.662653262	0.653378637	1.73809433
## 170	0.23422559	1.249601919	1.512255757	1.25515611
## 171	0.15776370	1.524944268	1.706753669	1.93087661
## 172	-0.35022128	2.325927020	1.135330860	2.21180225
## 173	-0.20051464	0.780061377	0.671180801	1.64481429
## 174	1.83311594	0.587837746	2.116736018	1.42836680
## 175	-0.64285673	3.062935548	0.386333481	2.56933819
## 176	-0.55126130	2.988453151	1.000451164	2.66885743
## 177	-0.24254402	1.438270542	0.939665077	1.64343559
## 178	-0.40909673	1.737236776	1.123024872	1.75249952
## 179	1.17798226	1.099746979	2.259051922	1.64613563
## 180	0.18785422	0.825147479	0.971814378	1.40560230
## 181	0.30540526	1.900466190	2.760155986	1.59745200
## 182	0.08890466	2.202587743	1.130325821	2.02945264
## 183	-0.44270474	1.939063308	0.862558406	1.90098706
## 184	-0.42535161	1.390986146	1.029247868	1.89765821
## 185	-0.40103095	2.690728980	1.041895288	2.42225272
## 186	-0.26694101	2.767240081	1.888868697	2.01732687
## 187	0.44424239	0.689600949	1.299817796	1.47832504
## 188	0.21592845	0.379027792	0.794967175	1.42859835
## 189	-0.03603995	-1.358418953	-1.313978558	1.50011233
## 190	0.13598448	-1.371205039	-1.309096376	1.09258841
## 191	0.41418914	-1.375676467	-1.291106862	1.29590957
## 192	-0.24254587	1.415579000	0.935506613	1.58289173
## 193	0.26800376	-1.332641361	-1.256422941	1.74759653
## 194	-0.40681645	-1.245101375	-1.294070460	1.93387618
## 195	0.98858875	-1.374662115	-1.251759479	1.02008448
## 196	-0.02900540	-1.279185663	-1.243933104	1.34019794
## 197	0.98858883	-1.373682796	-1.251580008	1.02269742
##	tumor_length.PET	Compactness_v1.PET	Compactness_v2.PET	
## 1	-0.499384967	-0.071978720	-0.424912614	

## 2	-0.624654672	-0.084499444	-0.426581181
## 3	-0.314409688	-0.081586637	-0.426261668
## 4	0.367833356	-0.082760455	-0.426391840
## 5	-0.691008946	-0.084369020	-0.426569347
## 6	-0.446729334	-0.079412900	-0.425989490
## 7	-0.476366091	-0.080151970	-0.426084161
## 8	-0.452599692	-0.082021384	-0.426309003
## 9	-0.663666162	-0.076021870	-0.425527972
## 10	-0.954604217	-0.071978720	-0.424912614
## 11	1.708449783	-0.081847485	-0.426285335
## 12	-0.333324887	-0.079978072	-0.426060493
## 13	-0.037562329	-0.073630760	-0.425172958
## 14	-1.282760221	-0.058805874	-0.422392014
## 15	0.536203842	-0.092542271	-0.427291209
## 16	-0.744992735	-0.070152781	-0.424604935
## 17	-0.337624038	-0.060762237	-0.422818031
## 18	0.358625030	-0.085021141	-0.426640350
## 19	-0.062404998	-0.083108253	-0.426439175
## 20	-0.351964142	-0.068022518	-0.424226254
## 21	-0.382786598	-0.077978234	-0.425800150
## 22	-1.136492309	-0.076021870	-0.425527972
## 23	-0.451423422	-0.075065426	-0.425385966
## 24	0.474603084	-0.090803281	-0.427161037
## 25	-0.955100528	-0.075891446	-0.425504304
## 26	-0.127172737	-0.087673100	-0.426900693
## 27	-0.716126724	-0.078804254	-0.425906654
## 28	-0.344369129	-0.072804740	-0.425042786
## 29	-0.837462473	-0.073761184	-0.425184792
## 30	-0.051711888	-0.067587771	-0.424155251
## 31	-0.740376341	-0.077065264	-0.425669978
## 32	0.104268824	-0.091890150	-0.427243874
## 33	0.754729548	-0.074935002	-0.425374133
## 34	-0.479971356	-0.084195121	-0.426557513
## 35	-0.143083832	-0.090412009	-0.427137369
## 36	-0.894093953	-0.083760374	-0.426510178
## 37	-0.199625683	-0.078282557	-0.425835651
## 38	-0.945236946	-0.077282638	-0.425705479
## 39	-0.383900906	-0.068196417	-0.424273589
## 40	-0.789224123	-0.065631408	-0.423788403
## 41	-0.300720206	-0.091455403	-0.427220206
## 42	-0.758979713	-0.067500821	-0.424143417
## 43	0.004175867	-0.094020412	-0.427397713
## 44	-0.740404089	-0.121844245	-0.437858796
## 45	-0.335381251	0.495453571	-0.268505227
## 46	0.268973296	0.488541088	-0.269085084
## 47	-0.318289253	0.503757246	-0.267523022
## 48	0.850747465	0.491584320	-0.268860241
## 49	-0.893733769	0.524016475	-0.263830875
## 50	-0.564437782	0.516495345	-0.265404771
## 51	-0.438197007	0.500496641	-0.267937205
## 52	-0.708311937	0.511365326	-0.266339641
## 53	-0.569628450	0.508061246	-0.266883996
## 54	-0.347258658	0.499148924	-0.268102878
## 55	-0.083645096	0.485150058	-0.269298092

## 56	-0.931284451	0.503800721	-0.267511188
## 57	-0.172168728	0.500366217	-0.267960872
## 58	0.071898330	0.508148195	-0.266872162
## 59	-0.204156381	0.501626984	-0.267795199
## 60	0.856606616	0.482802422	-0.269416430
## 61	0.108678428	0.500409692	-0.267949039
## 62	-0.388007492	0.507539549	-0.266966833
## 63	0.393480580	0.486715149	-0.269203422
## 64	1.159831185	0.485758705	-0.269262591
## 65	-0.623952703	0.502844277	-0.267641360
## 66	0.248818627	0.498062056	-0.268221216
## 67	-0.697969986	0.513147790	-0.266031962
## 68	2.445943725	0.485932604	-0.269250757
## 69	-0.452239508	0.502539954	-0.267676861
## 70	-0.803552131	0.512626093	-0.266126633
## 71	-0.268157766	0.644919723	-0.228092787
## 72	-0.150176795	0.642789461	-0.228317629
## 73	-0.810067614	0.650223642	-0.227465595
## 74	-0.586575513	0.659961983	-0.225974536
## 75	0.220945075	0.639181058	-0.228637142
## 76	-1.312217587	0.669004729	-0.224211299
## 77	-0.783929467	0.652571277	-0.227134249
## 78	-0.733804257	0.653788570	-0.226968575
## 79	-0.452554703	-0.006114490	-0.406132367
## 80	0.567398200	0.004710720	-0.401138502
## 81	-0.514096785	0.019666030	-0.399481770
## 82	-0.467197367	0.001754437	-0.401351511
## 83	-0.716067456	0.016840172	-0.399872285
## 84	-0.837403206	0.021883241	-0.399150423
## 85	-0.740317074	0.018579161	-0.399635609
## 86	-0.945177679	0.018361788	-0.399671110
## 87	-0.476306824	0.007580052	-0.400901826
## 88	-0.184022725	0.014231687	-0.400203632
## 89	-0.108599888	0.023404857	-0.398913747
## 90	-0.109126021	0.335205684	2.554105526
## 91	0.017394469	0.297426136	2.356137820
## 92	-0.625121538	0.174001353	1.753548688
## 93	-0.734572040	-0.585241486	-0.564231988
## 94	-0.556271862	-0.064414115	0.962825742
## 95	-0.894560819	0.192782440	1.840893995
## 96	-0.789724124	-0.084977666	0.885941518
## 97	-0.301187071	-0.063457671	0.784691491
## 98	-0.625121538	-0.031503738	0.900497096
## 99	-0.387918591	0.651006187	-0.227915280
## 100	-0.716593590	-0.832221477	-0.630986476
## 101	-0.740843207	-0.830482488	-0.630749800
## 102	-0.625175687	0.086617128	1.729762742
## 103	-0.625029673	0.322250212	1.793901960
## 104	-0.556238727	-0.010940186	0.977381321
## 105	-0.624951548	0.448326954	1.828219991
## 106	0.017793177	-0.191838574	-0.456224859
## 107	-0.624324122	0.454587317	-0.280717713
## 108	0.504293936	0.433719442	-0.282480950
## 109	-0.555441310	0.450805015	-0.281179231

## 110	-0.893763402	0.449674671	-0.281309403
## 111	-0.788893572	0.467803637	-0.278587628
## 112	-0.300389655	0.441979643	-0.282019431
## 113	-0.625064964	0.265298304	1.778399677
## 114	-0.184492285	-0.743533010	-0.606466835
## 115	-1.313079658	-0.722186913	-0.602893026
## 116	-0.740786634	-0.739185536	-0.605898812
## 117	-0.338034330	-0.722882509	-0.603046865
## 118	1.708039491	-0.743967757	-0.606514170
## 119	0.268202819	-0.754836442	-0.607531877
## 120	-0.110389495	-1.703759566	1.999100120
## 121	0.016130995	-1.741539114	1.801132414
## 122	-0.626385012	-1.864963898	1.198543283
## 123	-0.735835514	-2.624206736	-1.119237394
## 124	-0.557535336	-2.103379365	0.407820336
## 125	-0.895824293	-1.846182810	1.285888590
## 126	-0.790987598	-2.123942917	0.330936112
## 127	-0.302450545	-2.102422921	0.229686085
## 128	-0.626385012	-2.070468988	0.345491691
## 129	-0.389182065	-1.387959063	-0.782920685
## 130	-0.717857063	-2.871186727	-1.185991882
## 131	-0.742106681	-2.869447738	-1.185755206
## 132	-0.626439160	-1.952348123	1.174757337
## 133	-0.626293147	-1.716715038	1.238896554
## 134	-0.557502200	-2.049905437	0.422375915
## 135	-0.626215022	-1.590638296	1.273214586
## 136	0.016529704	-2.230803825	-1.011230265
## 137	-0.625587595	-1.584377933	-0.835723119
## 138	0.503030463	-1.605245808	-0.837486355
## 139	-0.556704784	-1.588160236	-0.836184637
## 140	-0.895026876	-1.589290579	-0.836314809
## 141	-0.790157046	-1.571161613	-0.833593034
## 142	-0.301653129	-1.596985608	-0.837024837
## 143	-0.626328438	-1.773666946	1.223394271
## 144	-0.185755759	-2.782498260	-1.161472240
## 145	-0.742050107	-2.778150786	-1.160904217
## 146	-0.339297804	-2.761847759	-1.158052271
## 147	1.706776017	-2.782933008	-1.161519575
## 148	-0.101442053	1.266347640	-0.069874828
## 149	0.557149920	1.251305380	-0.073022620
## 150	0.809631470	1.219307973	-0.078087488
## 151	0.269401611	1.241045342	-0.074892361
## 152	0.546768583	1.234437182	-0.075981071
## 153	0.991508167	1.216612539	-0.078418834
## 154	1.518735292	1.188614807	-0.080809263
## 155	-0.176543418	1.225916133	-0.077235454
## 156	1.341688028	1.219047124	-0.078134823
## 157	1.829822143	1.234611081	-0.075957403
## 158	1.277712721	1.221568659	-0.077803477
## 159	3.399238716	1.183919535	-0.081045939
## 160	1.903382340	1.219134074	-0.078111155
## 161	0.910010500	1.233393788	-0.076146744
## 162	2.472986644	1.191744988	-0.080619922
## 163	4.005687855	1.189832100	-0.080738260

## 164	0.438120077	1.224003244	-0.077495798
## 165	2.183662737	1.214438802	-0.078655510
## 166	0.290085511	1.244610271	-0.074277003
## 167	6.577912935	1.190179898	-0.080714592
## 168	0.781546469	1.223394598	-0.077566801
## 169	0.078921223	1.243566877	-0.074466344
## 170	1.149709952	1.508154137	0.001601348
## 171	1.385671893	1.503893613	0.001151663
## 172	0.065890256	1.518761973	0.002855731
## 173	0.512874459	1.538238656	0.005837850
## 174	2.127915635	1.496676806	0.000512638
## 175	-0.938409689	1.556324148	0.009364323
## 176	0.118166550	1.523457245	0.003518424
## 177	0.218416970	1.525891831	0.003849771
## 178	0.780916079	0.206085710	-0.354477813
## 179	2.820821885	0.227736130	-0.344490083
## 180	0.657831914	0.257646750	-0.341176617
## 181	0.751630751	0.221823565	-0.344916099
## 182	0.253890571	0.251995034	-0.341957648
## 183	0.011219073	0.262081173	-0.340513924
## 184	0.205391336	0.255473013	-0.341484296
## 185	-0.204329873	0.255038266	-0.341555299
## 186	0.733411836	0.233474795	-0.344016730
## 187	1.317980034	0.246778065	-0.342620342
## 188	1.468825708	0.265124405	-0.340040572
## 189	1.467773442	0.888726059	5.565997974
## 190	1.720814423	0.813166963	5.170062561
## 191	0.435782409	0.566317396	3.964884298
## 192	0.216881404	-0.952168282	-0.670677055
## 193	0.573481759	0.089486460	2.383438405
## 194	-0.103096153	0.603879570	4.139574912
## 195	0.106577236	0.048359357	2.229669957
## 196	1.083651342	0.091399349	2.027169903
## 197	0.435782409	0.155307215	2.258781114
##	Spherical_disproportion.PET	Sphericity.PET	Asphericity.PET
## 1	-0.376749051	-0.442893162	-0.364633960
## 2	0.001181975	-0.505197262	0.020050613
## 3	-0.113559448	-0.489778652	-0.096741215
## 4	-0.069268090	-0.496014713	-0.051658379
## 5	-0.004442091	-0.504494948	0.014326046
## 6	-0.185715505	-0.478739412	-0.170186685
## 7	-0.162602618	-0.482404359	-0.146660776
## 8	-0.098014673	-0.492010718	-0.080918659
## 9	-0.281720934	-0.462089735	-0.267907711
## 10	-0.377103469	-0.442816473	-0.364994712
## 11	-0.103927133	-0.491167134	-0.086936773
## 12	-0.167031236	-0.481710118	-0.151168532
## 13	-0.340498046	-0.450574213	-0.327735157
## 14	-0.592882282	-0.384859453	-0.584629446
## 15	0.486329650	-0.551069644	0.513867773
## 16	-0.414596032	-0.434344310	-0.403157258
## 17	-0.567485304	-0.393016785	-0.558778630
## 18	0.024048929	-0.507998444	0.043326195
## 19	-0.056196725	-0.497786642	-0.038353432

## 20	-0.454453885	-0.424693552	-0.443727362
## 21	-0.228634352	-0.471599223	-0.213872483
## 22	-0.282315667	-0.461976719	-0.268513072
## 23	-0.305644284	-0.457536805	-0.292258566
## 24	0.348875500	-0.540470359	0.373957347
## 25	-0.285674830	-0.461347059	-0.271932263
## 26	0.154564500	-0.522545216	0.176174051
## 27	-0.203879017	-0.475772742	-0.188674776
## 28	-0.359313708	-0.446646908	-0.346887051
## 29	-0.337762725	-0.451135257	-0.324950957
## 30	-0.461503064	-0.422913550	-0.450902509
## 31	-0.254417994	-0.467078584	-0.240116873
## 32	0.432444058	-0.547089867	0.459019258
## 33	-0.308819599	-0.456919254	-0.295490697
## 34	-0.011870129	-0.503562566	0.006765271
## 35	0.321272129	-0.538149495	0.345860709
## 36	-0.030065742	-0.501229594	-0.011755494
## 37	-0.219801410	-0.473104758	-0.204881698
## 38	-0.248094284	-0.468204707	-0.233680159
## 39	-0.450778022	-0.425613825	-0.439985813
## 40	-0.495140585	-0.414086194	-0.485141125
## 41	0.398617875	-0.544478390	0.424588608
## 42	-0.463394800	-0.422433232	-0.452828050
## 43	0.623551655	-0.560308701	0.653541907
## 44	-0.254493138	-0.471235958	-0.240193360
## 45	0.059914949	-0.458154357	0.079833133
## 46	0.503918419	-0.498291178	0.531770850
## 47	-0.240639690	-0.415381842	-0.226092354
## 48	0.275082103	-0.480063314	0.298845278
## 49	-0.611389050	-0.324327282	-0.603466926
## 50	-0.507828349	-0.356367315	-0.498055618
## 51	-0.140698677	-0.431648072	-0.124365416
## 52	-0.418440641	-0.379249016	-0.407070570
## 53	-0.349357032	-0.394574791	-0.336752452
## 54	-0.093520031	-0.438546083	-0.076343698
## 55	0.866962073	-0.520087118	0.901302017
## 56	-0.242745624	-0.415010504	-0.228235920
## 57	-0.136002458	-0.432354422	-0.119585277
## 58	-0.350915946	-0.394247852	-0.338339223
## 59	-0.177334304	-0.425960946	-0.161655714
## 60	1.230752718	-0.536191897	1.271593523
## 61	-0.138324413	-0.432007301	-0.121948724
## 62	-0.336934826	-0.397141869	-0.324108263
## 63	0.679589725	-0.509730010	0.710581365
## 64	0.787568976	-0.515901491	0.820490182
## 65	-0.214498129	-0.419874228	-0.199483648
## 66	-0.051686470	-0.444293753	-0.033762580
## 67	-0.451934220	-0.371115901	-0.441162672
## 68	0.769319814	-0.514900492	0.801914911
## 69	-0.206515411	-0.421210238	-0.191358281
## 70	-0.442192107	-0.373533636	-0.431246470
## 71	-0.012753547	-0.435603631	0.005866066
## 72	0.084495409	-0.447199879	0.104852840
## 73	-0.201215996	-0.408322379	-0.185964166

## 74	-0.433291025	-0.361921244	-0.422186327
## 75	0.289486583	-0.467599265	0.313507163
## 76	-0.575714685	-0.322341430	-0.567155068
## 77	-0.268655844	-0.396588898	-0.254609150
## 78	-0.299048887	-0.390885627	-0.285545385
## 79	-0.207368990	-0.468434776	-0.192227113
## 80	0.360644536	-0.532543095	0.385936693
## 81	-0.282974237	-0.452943513	-0.269183410
## 82	0.611196568	-0.550633725	0.640966036
## 83	-0.203718515	-0.466892915	-0.188511406
## 84	-0.337602223	-0.442255429	-0.324787586
## 85	-0.254257492	-0.458198756	-0.239953503
## 86	-0.247933782	-0.459324880	-0.233516789
## 87	0.175552923	-0.515780402	0.197537533
## 88	-0.118972528	-0.480087531	-0.102251025
## 89	-0.371397838	-0.435143495	-0.359187122
## 90	-1.425870705	1.840054007	-1.432503194
## 91	-1.423429614	1.784926423	-1.430018482
## 92	-1.414434857	1.600452041	-1.420862990
## 93	-0.301128119	-0.505919757	-0.287661773
## 94	-1.397092896	1.304596366	-1.403211132
## 95	-1.415916656	1.628984541	-1.422371269
## 96	-1.394761165	1.271018509	-1.400837734
## 97	-1.390847978	1.223216783	-1.396854619
## 98	-1.394671430	1.275983140	-1.400746395
## 99	-0.336694073	-0.383822127	-0.323863208
## 100	-0.205143336	-0.545721566	-0.189961688
## 101	-0.255682313	-0.537027408	-0.241403785
## 102	-1.414581497	1.592339107	-1.421012251
## 103	-1.414186078	1.614215774	-1.420609766
## 104	-1.397003161	1.309560997	-1.403119794
## 105	-1.413974507	1.625921001	-1.420394415
## 106	-0.104879494	-0.501269956	-0.087906152
## 107	-0.202392549	-0.426348429	-0.187161745
## 108	1.498515318	-0.550024246	1.544140984
## 109	-0.074314130	-0.445674163	-0.056794591
## 110	-0.029170578	-0.451704373	-0.010844334
## 111	-0.494245421	-0.364560974	-0.484229965
## 112	0.399513039	-0.494953170	0.425499768
## 113	-1.414281650	1.608928240	-1.420707046
## 114	-0.120244142	-0.550439984	-0.103545363
## 115	-0.578049261	-0.451502559	-0.569531362
## 116	-0.255529106	-0.528551209	-0.241247840
## 117	-0.568596417	-0.454489410	-0.559909597
## 118	-0.105038246	-0.552639759	-0.088067740
## 119	0.501831891	-0.613728937	0.529647037
## 120	-1.429292318	1.650752228	-1.435985951
## 121	-1.426851227	1.595624644	-1.433501238
## 122	-1.417856470	1.411150261	-1.424345747
## 123	-0.304549732	-0.695221536	-0.291144529
## 124	-1.400514509	1.115294587	-1.406693889
## 125	-1.419338269	1.439682762	-1.425854025
## 126	-1.398182778	1.081716730	-1.404320491
## 127	-1.394269591	1.033915003	-1.400337375

## 128	-1.398093043	1.086681361	-1.404229152
## 129	-0.340115686	-0.573123907	-0.327345965
## 130	-0.208564949	-0.735023346	-0.193444444
## 131	-0.259103926	-0.726329187	-0.244886541
## 132	-1.418003110	1.403037328	-1.424495008
## 133	-1.417607691	1.424913994	-1.424092523
## 134	-1.400424774	1.120259218	-1.406602550
## 135	-1.417396121	1.436619221	-1.423877171
## 136	-0.108301107	-0.690571736	-0.091388909
## 137	-0.205814162	-0.615650209	-0.190644501
## 138	1.495093705	-0.739326026	1.540658227
## 139	-0.077735743	-0.634975942	-0.060277348
## 140	-0.032592191	-0.641006153	-0.014327090
## 141	-0.497667034	-0.553862754	-0.487712722
## 142	0.396091426	-0.684254949	0.422017011
## 143	-1.417703263	1.419626460	-1.424189803
## 144	-0.123665755	-0.739741763	-0.107028120
## 145	-0.258950719	-0.717852988	-0.244730597
## 146	-0.572018030	-0.643791189	-0.563392354
## 147	-0.108459859	-0.741941539	-0.091550497
## 148	0.314984750	0.058122856	0.265201775
## 149	0.522106153	-0.005957209	0.476024393
## 150	1.256365498	-0.156518722	1.223404796
## 151	0.700881570	-0.051720611	0.657994488
## 152	0.839048787	-0.082372162	0.798630724
## 153	1.350722790	-0.170314745	1.319448233
## 154	3.271686997	-0.333396815	3.274739661
## 155	1.052271603	-0.123243586	1.015663787
## 156	1.265757936	-0.157931422	1.232965075
## 157	0.835930960	-0.081718283	0.795457183
## 158	1.183094244	-0.145144470	1.148824200
## 159	3.999268287	-0.365606372	4.015322675
## 160	1.261114026	-0.157237181	1.228238179
## 161	0.863893199	-0.087506316	0.823919101
## 162	2.896942301	-0.312682599	2.893298358
## 163	3.112900804	-0.325025560	3.113115993
## 164	1.108766594	-0.132971034	1.073168331
## 165	1.434389911	-0.181810086	1.404610468
## 166	0.633894411	-0.035454382	0.589810283
## 167	3.076402479	-0.323023562	3.075965450
## 168	1.124732030	-0.135643055	1.089419066
## 169	0.653378637	-0.040289851	0.609642688
## 170	1.512255757	-0.164429841	1.483867760
## 171	1.706753669	-0.187622336	1.681841308
## 172	1.135330860	-0.109867337	1.100207295
## 173	0.671180801	-0.017065066	0.627762973
## 174	2.116736018	-0.228421108	2.099149954
## 175	0.386333481	0.062094561	0.337825492
## 176	1.000451164	-0.086400374	0.962917327
## 177	0.939665077	-0.074993832	0.901044857
## 178	1.123024872	-0.230092130	1.087681401
## 179	2.259051922	-0.358308768	2.244009014
## 180	0.971814378	-0.199109604	0.933768808
## 181	2.760155986	-0.394490029	2.754067700

## 182	1.130325821	-0.227008408	1.095112816
## 183	0.862558406	-0.177733438	0.822560455
## 184	1.029247868	-0.209620091	0.992228623
## 185	1.041895288	-0.211872338	1.005102049
## 186	1.888868697	-0.324783383	1.867210693
## 187	1.299817796	-0.253397641	1.267633577
## 188	0.794967175	-0.163509568	0.753761383
## 189	-1.313978558	4.386885436	-1.392870761
## 190	-1.309096376	4.276630267	-1.387901335
## 191	-1.291106862	3.907681503	-1.369590353
## 192	0.935506613	-0.305062093	0.896812083
## 193	-1.256422941	3.315970154	-1.334286637
## 194	-1.294070460	3.964746504	-1.372606910
## 195	-1.251759479	3.248814439	-1.329539840
## 196	-1.243933104	3.153210986	-1.321573610
## 197	-1.251580008	3.258743701	-1.329357163
##	Center_of_mass.PET	Max_3D_diam.PET	Major_axis_length.PET
## 1	-0.030503246	-0.664065361	-0.779868868
## 2	-0.326392662	-0.752364001	-0.767124575
## 3	-0.584114550	-0.533682158	-0.452350096
## 4	0.043302851	-0.052790687	-0.064898454
## 5	-0.408176436	-0.799135024	-0.746221886
## 6	-0.696946616	-0.626950077	-0.577741678
## 7	-0.457690493	-0.647840087	-0.541066089
## 8	-0.359384370	-0.631087906	-0.624207494
## 9	0.485243899	-0.779861963	-0.784573379
## 10	-0.049345242	-0.984934964	-0.964566894
## 11	0.584110394	0.892167288	1.118891556
## 12	-0.275952600	-0.547014881	-0.506228588
## 13	-0.423615135	-0.338541240	-0.280282833
## 14	-0.978785675	-1.216241718	-1.235045445
## 15	0.332840064	0.065888325	0.214005780
## 16	-0.743179254	-0.837186483	-0.809760242
## 17	-0.141603857	-0.550045216	-0.650676441
## 18	0.243714496	-0.059281344	-0.060250199
## 19	-0.890082704	-0.356052049	-0.356375716
## 20	-0.790205421	-0.560153100	-0.555872987
## 21	-0.317678421	-0.581878871	-0.526319710
## 22	-1.013175001	-1.113142109	-1.101266662
## 23	-0.615386725	-0.630258791	-0.676165946
## 24	-0.714818891	0.022467906	0.421757688
## 25	-0.395505150	-0.985284798	-1.002275541
## 26	0.078594335	-0.401704773	-0.527411180
## 27	-0.130882611	-0.816839748	-0.830063652
## 28	-0.848649654	-0.554799617	-0.589514593
## 29	-0.481729504	-0.902365467	-0.902579287
## 30	-0.470976465	-0.348514815	-0.305537407
## 31	-0.629786816	-0.833932534	-0.876834266
## 32	0.845863512	-0.238568962	-0.222483112
## 33	-0.536398185	0.219920161	0.381261928
## 34	0.400078024	-0.650381323	-0.574138348
## 35	-0.139526640	-0.412919999	-0.298715680
## 36	-1.030702839	-0.942283200	-0.906947979
## 37	-0.911742455	-0.452774555	-0.448742989

## 38	-0.534054693	-0.978332273	-0.972711003
## 39	-0.514770229	-0.582664312	-0.561144352
## 40	-0.784803068	-0.868363784	-0.894251297
## 41	0.229793966	-0.524032876	-0.358305103
## 42	-0.571326686	-0.847045460	-0.839805251
## 43	0.077832600	-0.309121310	-0.459066236
## 44	-0.631151314	-0.833952092	-0.876859210
## 45	-0.682535926	-0.548464347	-0.538003845
## 46	4.121092033	-0.122474006	-0.058018726
## 47	-0.551269889	-0.536416740	-0.448112202
## 48	0.071100193	0.287600143	0.415828923
## 49	-0.584073482	-0.942029317	-0.929911143
## 50	-0.934803797	-0.709919027	-0.732158214
## 51	-0.603343374	-0.620935910	-0.642468640
## 52	-0.586044718	-0.811331352	-0.845270280
## 53	-0.271969061	-0.713577764	-0.669651947
## 54	0.546607893	-0.556836354	-0.464400808
## 55	-0.088041347	-0.371023520	-0.227894815
## 56	-0.543339903	-0.968497602	-0.940403354
## 57	-0.343637002	-0.433421019	-0.428563207
## 58	-0.558738860	-0.261385896	-0.088630152
## 59	0.011327230	-0.455968101	-0.331987319
## 60	0.701983154	0.291730073	0.561887415
## 61	-0.367028208	-0.235460772	-0.328539827
## 62	-0.861889260	-0.585558914	-0.527213422
## 63	-0.400729986	-0.034712773	-0.001609002
## 64	1.533977231	0.505463449	0.590131921
## 65	0.040349971	-0.751869206	-0.714148660
## 66	-0.568330089	-0.136680393	0.036821295
## 67	-0.602930050	-0.804041640	-0.768917231
## 68	2.840464244	1.412003364	1.869482923
## 69	-0.365349743	-0.630834023	-0.601578212
## 70	-0.841901350	-0.878463142	-0.862498998
## 71	-0.514635104	-0.501080646	-0.464434591
## 72	-0.343358804	-0.417919604	-0.157938602
## 73	-0.354310557	-0.883055700	-0.953546093
## 74	-0.693555242	-0.725523210	-0.651982791
## 75	-0.220964653	-0.156327574	-0.165052994
## 76	-0.833815044	-1.237005280	-1.275434940
## 77	-0.766219400	-0.864631750	-0.885554600
## 78	-0.767101687	-0.829300080	-0.779417749
## 79	-0.380849381	-0.631056194	-0.601861554
## 80	0.719516292	0.087876239	-0.314137115
## 81	-0.050734910	-0.674435255	-0.703456075
## 82	0.332322085	-0.261598002	-0.219744119
## 83	-0.127968150	-0.816797972	-0.830010374
## 84	-0.478815043	-0.902323691	-0.902526009
## 85	-0.626872354	-0.833890758	-0.876780988
## 86	-0.531140231	-0.978290497	-0.972657725
## 87	0.021272169	-0.647798311	-0.559635328
## 88	-0.339622994	-0.441776525	-0.333368428
## 89	-0.579317610	-0.388613361	-0.367227698
## 90	-0.570019152	0.359779011	-0.367471542
## 91	-0.452420616	0.361488816	-0.213842937

## 92	-0.500857647	1.409199187	1.465046599
## 93	-0.804857215	-0.829841266	-0.780107940
## 94	-0.577129114	0.820064547	-0.033934547
## 95	-0.002368091	-0.271084624	-0.344304977
## 96	0.342249802	0.996357604	0.720064863
## 97	-0.123815041	0.092242486	-0.290013994
## 98	0.343879251	0.996380961	0.720094650
## 99	-0.857517567	-0.585496251	-0.527133505
## 100	-0.153840622	-0.817168827	-0.830483337
## 101	-0.652744827	-0.834261612	-0.877253950
## 102	-0.503520406	1.409161019	1.464997923
## 103	-0.496340232	1.409263939	1.465129180
## 104	-0.575499665	0.820087903	-0.033904759
## 105	-0.492498441	1.409319007	1.465199410
## 106	0.938724891	-0.299522900	-0.301962072
## 107	-0.145960977	-0.752131007	-0.743086965
## 108	1.352907014	0.043396045	0.172992740
## 109	0.714060949	-0.703577699	-0.738909663
## 110	-1.014448091	-0.942050205	-0.906650833
## 111	-0.768548320	-0.868130790	-0.893954152
## 112	0.246048715	-0.523799881	-0.358007957
## 113	-0.498075661	1.409239064	1.465097455
## 114	-0.362713480	-0.442107503	-0.333790534
## 115	-0.876207216	-1.237612927	-1.276209891
## 116	-0.649962841	-0.834221736	-0.877203094
## 117	-0.161779881	-0.550334418	-0.651045269
## 118	0.563934369	0.891878086	1.118522728
## 119	4.083204029	-0.123017090	-0.058711339
## 120	-0.632150180	0.358888429	-0.368607330
## 121	-0.514551644	0.360598233	-0.214978725
## 122	-0.562988675	1.408308604	1.463910811
## 123	-0.866988243	-0.830731848	-0.781243728
## 124	-0.639260142	0.819173964	-0.035070335
## 125	-0.064499119	-0.271975207	-0.345440765
## 126	0.280118774	0.995467022	0.718929075
## 127	-0.185946069	0.091351903	-0.291149782
## 128	0.281748223	0.995490378	0.718958862
## 129	-0.919648595	-0.586386833	-0.528269294
## 130	-0.215971650	-0.818059409	-0.831619125
## 131	-0.714875855	-0.835152195	-0.878389739
## 132	-0.565651434	1.408270436	1.463862135
## 133	-0.558471259	1.408373357	1.463993392
## 134	-0.637630693	0.819197321	-0.035040547
## 135	-0.554629469	1.408428425	1.464063622
## 136	0.876593863	-0.300413483	-0.303097860
## 137	-0.208092005	-0.753021589	-0.744222753
## 138	1.290775986	0.042505463	0.171856952
## 139	0.651929921	-0.704468282	-0.740045451
## 140	-1.076579118	-0.942940788	-0.907786621
## 141	-0.830679348	-0.869021372	-0.895089940
## 142	0.183917687	-0.524690464	-0.359143745
## 143	-0.560206689	1.408348481	1.463961667
## 144	-0.424844508	-0.442998086	-0.334926322
## 145	-0.712093869	-0.835112318	-0.878338882

## 146	-0.223910909	-0.551225001	-0.652181057
## 147	0.501803341	0.890987503	1.117386940
## 148	-0.063153167	-0.383568031	-0.241922209
## 149	-0.764613796	0.080652551	0.153583648
## 150	-0.101692951	0.258618783	0.332962796
## 151	-0.067095639	-0.122172100	-0.072640484
## 152	0.561055676	0.073335076	0.278596182
## 153	2.198209583	0.386817895	0.689098461
## 154	0.928911103	0.758443564	1.162110447
## 155	0.018313990	-0.436504599	-0.262906632
## 156	0.417719792	0.633648566	0.760773662
## 157	-0.012483923	0.977718813	1.440639773
## 158	1.127648257	0.588554403	0.953925438
## 159	2.508960105	2.083950750	2.741674907
## 160	0.370937380	1.029569061	0.960820422
## 161	-0.618784723	0.329372776	0.563473232
## 162	0.303533826	1.431065058	1.614682073
## 163	4.172948258	2.511417502	2.798163919
## 164	1.185693739	-0.003247808	0.189602757
## 165	-0.031666381	1.227129819	1.691542667
## 166	-0.100866304	-0.107592675	0.080065614
## 167	6.785922285	4.324497331	5.356865923
## 168	0.374294310	0.238822557	0.414743652
## 169	-0.578808904	-0.256435681	-0.107097920
## 170	0.075723590	0.498329313	0.689030895
## 171	0.418276189	0.664651397	1.302022872
## 172	0.396372683	-0.265620796	-0.289192109
## 173	-0.282116687	0.049444183	0.313934495
## 174	0.663064490	1.187835455	1.287794088
## 175	-0.562636290	-0.973519956	-0.932969803
## 176	-0.427445003	-0.228772895	-0.153209123
## 177	-0.429209577	-0.158109556	0.059064578
## 178	0.343295034	0.238378215	0.414176969
## 179	2.544026380	1.676243081	0.989625847
## 180	1.003523976	0.151620093	0.210987926
## 181	1.769637967	0.977294599	1.178411838
## 182	0.849057498	-0.133105340	-0.042120672
## 183	0.147363712	-0.304156778	-0.187151942
## 184	-0.148750912	-0.167290912	-0.135661899
## 185	0.042713335	-0.456090390	-0.327415373
## 186	1.147538135	0.204893982	0.498629421
## 187	0.425747810	0.616937553	0.951163221
## 188	-0.053641424	0.723263882	0.883444680
## 189	-0.035044508	2.220048627	0.882956993
## 190	0.200152565	2.223468236	1.190214202
## 191	0.103278502	4.318888978	4.547993275
## 192	-0.504720634	-0.159191927	0.057684196
## 193	-0.049264432	3.140619698	1.550030983
## 194	1.100257615	0.958321355	0.929290122
## 195	1.789493401	3.493205813	3.058029802
## 196	0.857363714	1.684975576	1.037872089
## 197	1.792752299	3.493252526	3.058089376
##	Minor_axis_length.PET	Least_axis_length.PET	Elongation.PET Flatness.PET
## 1	-0.810467758	-0.553090171	-0.37679117 0.038886298

## 2	-0.748836208	-0.739574127	-0.30021782	-0.347157221
## 3	-0.615691354	-0.429665088	-0.68333095	-0.444430081
## 4	0.430051728	0.739904062	-0.11125598	0.303125515
## 5	-0.899121210	-0.728005161	-0.60120645	-0.372358111
## 6	-0.562379000	-0.990332308	-0.40897892	-1.086267461
## 7	-0.528185081	-0.624277378	-0.42822186	-0.582388057
## 8	-0.803383244	-1.006110841	-0.67349457	-1.055662702
## 9	-0.659513199	-0.770360993	-0.10080368	-0.365782706
## 10	-1.083173248	-0.845526507	-0.43295003	-0.021393072
## 11	0.592516315	0.882606781	-0.98732842	-0.732763023
## 12	-0.527912891	-0.679064364	-0.48769358	-0.714713650
## 13	-0.295890369	-0.154811491	-0.54646552	-0.351933481
## 14	-1.457629911	-1.251200875	-0.51785011	-0.120120697
## 15	0.879246731	0.906180818	-0.09159108	0.054541103
## 16	-1.070540390	-0.899284986	-0.77490918	-0.561602955
## 17	-0.325952447	-0.145876472	0.09390850	0.403108356
## 18	0.495763901	0.496299898	-0.05620578	0.044808346
## 19	-0.160173845	-0.382792153	-0.28111380	-0.524915223
## 20	-0.650995949	-0.464174534	-0.57071445	-0.317089952
## 21	-0.546974769	-0.661650376	-0.47918602	-0.660250117
## 22	-1.172057829	-1.088476976	-0.18062438	-0.175997153
## 23	-0.456895873	-0.309348098	-0.04362528	0.197716275
## 24	-0.124515851	-0.014480374	-1.04000667	-0.907003199
## 25	-0.912210379	-0.917513588	0.08984866	-0.070118012
## 26	-0.139349704	-0.258147728	0.06932671	-0.065715097
## 27	-1.117408402	-0.876084497	-0.82164314	-0.470001099
## 28	-0.533780692	-0.224136361	-0.34623627	0.121299323
## 29	-0.933121893	-1.131769375	-0.29120965	-0.858777128
## 30	-0.460728440	-0.384586045	-0.69568606	-0.595284604
## 31	-0.847704762	-0.585227576	-0.19373169	0.273466996
## 32	0.284160860	0.398568229	-0.01275324	0.203441994
## 33	-0.683228857	-0.578199501	-1.42242525	-1.330915641
## 34	-0.523094653	-0.390533271	-0.36059639	-0.169601985
## 35	-0.331815908	-0.179022780	-0.56126858	-0.354331267
## 36	-0.929811307	-1.428174727	-0.27182519	-1.518081332
## 37	-0.707420009	-0.686291447	-0.80317076	-0.801822473
## 38	-0.980814285	-1.222152299	-0.17688692	-0.928229236
## 39	-0.250734792	-0.055429628	-0.00799099	0.312510674
## 40	-0.749436231	-0.843974139	0.05646052	-0.237908305
## 41	-0.368785627	-0.285494643	-0.52016702	-0.398444089
## 42	-0.823929076	-0.720557228	-0.25106211	-0.126985767
## 43	0.043531413	0.054328613	0.15817392	0.235472551
## 44	-0.847749468	-0.585277681	-0.19643126	0.270151936
## 45	-1.152072131	-1.189749632	-1.24394455	-1.383950158
## 46	-0.056655246	0.178045033	-0.54250004	-0.242662036
## 47	-0.696284604	-0.425000152	-0.75533339	-0.402058470
## 48	0.732444196	0.662176692	-0.38508645	-0.327041568
## 49	-1.033244270	-0.986043643	-0.38804024	-0.420329920
## 50	-0.628270260	-0.404274005	-0.14670418	0.225688297
## 51	-0.274917697	-0.407448304	0.18496254	-0.006497834
## 52	-0.881831665	-0.710916318	-0.31112617	-0.049126925
## 53	-0.760944610	-0.750916940	-0.49353566	-0.522996994
## 54	-0.847351536	-0.839502179	-0.92506015	-0.952030077
## 55	-0.036605309	-0.740404501	-0.30627743	-1.057278391

## 56	-0.891964080	-0.997105384	-0.05325985	-0.418279733
## 57	-0.392819135	-0.165342463	-0.40752430	-0.082383732
## 58	-0.397920848	-0.282993352	-0.83367849	-0.685805042
## 59	-0.543058041	-0.268996111	-0.72076844	-0.373803219
## 60	0.413642294	0.454025255	-0.72747805	-0.608396791
## 61	0.221685181	0.147267993	0.14260030	0.138643844
## 62	-0.261671058	-0.610423446	-0.06019223	-0.541078552
## 63	0.680438316	0.314941890	0.06311246	-0.176708443
## 64	0.709564595	0.745787805	-0.55160780	-0.417536258
## 65	-0.920260380	-0.880694805	-0.66233985	-0.668518455
## 66	0.156385480	-0.466802352	-0.45506814	-0.981823772
## 67	-1.072745292	-0.910083362	-0.81926857	-0.622468093
## 68	1.292903275	1.570345534	-0.94926976	-0.707958009
## 69	-0.790829773	-0.987889196	-0.65774797	-1.011907134
## 70	-1.030135688	-1.062596132	-0.55293138	-0.745418182
## 71	-0.285307285	-0.271016885	-0.20336102	-0.151185702
## 72	-0.354154733	-0.716739936	-0.71124133	-1.077245993
## 73	-0.908625477	-0.989133883	-0.03657233	-0.352171651
## 74	-0.819451389	-0.608054810	-0.60641426	-0.306542913
## 75	0.383982922	0.403656525	0.03970748	0.164433720
## 76	-1.391778279	-1.222691435	0.02159941	0.321818589
## 77	-1.238351795	-1.290358523	-0.90503880	-1.186163403
## 78	-0.718904994	-0.822227317	-0.17443634	-0.423413247
## 79	-0.791337604	-0.988458346	-0.68841295	-1.049563636
## 80	0.010590449	0.050552670	-0.15044164	-0.042303696
## 81	-0.324811822	-0.337502914	0.24182905	0.229511880
## 82	-0.392417166	-0.309776420	-0.71924568	-0.606204990
## 83	-1.117312912	-0.875977477	-0.81587708	-0.462920389
## 84	-0.933026403	-1.131662355	-0.28544359	-0.851696418
## 85	-0.847609272	-0.585120557	-0.18796563	0.280547706
## 86	-0.980718795	-1.222045280	-0.17112085	-0.921148526
## 87	-0.604752787	-1.060679605	-0.49480419	-1.206320896
## 88	-0.119877003	-0.021806985	-0.26632384	-0.099097426
## 89	-0.347777364	-0.363714449	-0.47690318	-0.478179319
## 90	-0.094028887	0.164113609	-0.23077342	0.136004670
## 91	0.075435836	0.300681478	-0.28971834	0.020898076
## 92	-0.009417906	0.308735434	-1.46961526	-1.260777992
## 93	-0.720142020	-0.823613707	-0.24913310	-0.515140624
## 94	0.101715132	0.300698845	-0.50634419	-0.251181418
## 95	-0.773585715	-0.763506143	-1.04995051	-1.075717203
## 96	0.386123888	0.703834027	-0.93455319	-0.649957340
## 97	-0.048051100	-0.073413106	-0.30564579	-0.294949860
## 98	0.386177276	0.703893860	-0.93132944	-0.645998579
## 99	-0.261527823	-0.610262917	-0.05154313	-0.530457487
## 100	-1.118160601	-0.876927520	-0.86706401	-0.525777782
## 101	-0.848456960	-0.586070599	-0.23915256	0.217690314
## 102	-0.009505149	0.308637657	-1.47488335	-1.267247186
## 103	-0.009269897	0.308901314	-1.46067786	-1.249802892
## 104	0.101768520	0.300758678	-0.50312043	-0.247222657
## 105	-0.009144024	0.309042385	-1.45307713	-1.240469229
## 106	-0.077461027	-0.385971901	-0.28082549	-0.609632697
## 107	-0.835841030	-0.627015134	-0.46975064	-0.155121933
## 108	0.835026606	0.760591730	-0.04417043	0.017187141
## 109	-0.560862840	-0.482633325	-0.02082049	0.098235520

## 110	-0.929278735	-1.427577850	-0.23966627	-1.478590282
## 111	-0.748903659	-0.843377261	0.08861944	-0.198417255
## 112	-0.368253055	-0.284897766	-0.48800810	-0.358953040
## 113	-0.009326756	0.308837589	-1.46411129	-1.254019132
## 114	-0.120633542	-0.022654872	-0.31200680	-0.155195959
## 115	-1.393167221	-1.224248084	-0.06227064	0.218826446
## 116	-0.848365811	-0.585968444	-0.23364859	0.224449173
## 117	-0.326613497	-0.146617340	0.05399160	0.354090533
## 118	0.591855266	0.881865914	-1.02724532	-0.781780846
## 119	-0.057896612	0.176653778	-0.61745889	-0.334711264
## 120	-0.096064554	0.161832146	-0.35369546	-0.014943189
## 121	0.073400169	0.298400015	-0.41264038	-0.130049783
## 122	-0.011453573	0.306453970	-1.59253730	-1.411725851
## 123	-0.722177688	-0.825895170	-0.37205514	-0.666088484
## 124	0.099679465	0.298417381	-0.62926622	-0.402129277
## 125	-0.775621383	-0.765787607	-1.17287255	-1.226665063
## 126	0.384088221	0.701552563	-1.05747523	-0.800905199
## 127	-0.050086767	-0.075694569	-0.42856782	-0.445897719
## 128	0.384141608	0.701612397	-1.05425147	-0.796946439
## 129	-0.263563490	-0.612544380	-0.17446517	-0.681405347
## 130	-1.120196268	-0.879208983	-0.98998605	-0.676725641
## 131	-0.850492628	-0.588352062	-0.36207460	0.066742454
## 132	-0.011540816	0.306356193	-1.59780538	-1.418195045
## 133	-0.011305564	0.306619851	-1.58359989	-1.400750751
## 134	0.099732852	0.298477215	-0.62604247	-0.398170517
## 135	-0.011179691	0.306760922	-1.57599917	-1.391417088
## 136	-0.079496694	-0.388253364	-0.40374753	-0.760580557
## 137	-0.837876697	-0.629296597	-0.59267267	-0.306069793
## 138	0.832990938	0.758310267	-0.16709247	-0.133760719
## 139	-0.562898508	-0.484914789	-0.14374252	-0.052712339
## 140	-0.931314402	-1.429859313	-0.36258831	-1.629538141
## 141	-0.750939326	-0.845658725	-0.03430260	-0.349365115
## 142	-0.370288722	-0.287179229	-0.61093013	-0.509900899
## 143	-0.011362424	0.306556125	-1.58703332	-1.404966992
## 144	-0.122669210	-0.024936336	-0.43492884	-0.306143818
## 145	-0.850401478	-0.588249907	-0.35657063	0.073501313
## 146	-0.328649164	-0.148898803	-0.06893044	0.203142673
## 147	0.589819598	0.879584450	-1.15016736	-0.932728705
## 148	-0.132477481	-0.203602509	1.56783807	1.452311846
## 149	0.677470538	0.959936767	2.05051019	2.744348280
## 150	1.384175663	0.953588169	2.71384363	2.279976018
## 151	0.170347729	0.346652141	1.72166622	2.194717835
## 152	0.412121837	0.266650897	1.35684725	1.246977698
## 153	0.239307986	0.089480420	0.49379826	0.388911533
## 154	1.860800440	0.287675774	1.73136370	0.178414903
## 155	0.150082897	-0.225725992	2.23739886	1.456412221
## 156	1.148372789	1.437799851	1.52886995	2.128204222
## 157	1.138169363	1.202498073	0.67656157	0.921361601
## 158	0.847894976	1.230492555	0.90238167	1.545365247
## 159	2.761295647	2.676535287	0.88896246	1.076178103
## 160	2.377381420	2.063020763	2.62911916	2.570259373
## 161	1.410668943	0.547637885	2.22353410	1.210814582
## 162	3.294887690	2.398368557	2.47014349	1.939554801
## 163	3.353140248	3.260060388	1.24070296	1.457899170

## 164	0.093490298	0.007095168	1.01923886	0.955934776
## 165	2.246782019	0.834880073	1.43378229	0.329324141
## 166	-0.211479526	-0.051681947	0.70538142	1.048035500
## 167	4.519817608	4.909175845	0.44537903	0.877055669
## 168	0.352351513	-0.207293615	1.02842263	0.269157418
## 169	-0.126260318	-0.356707486	1.23805581	0.802135321
## 170	1.363396489	1.226451008	1.93719652	1.990600282
## 171	1.225701592	0.335004905	0.92143590	0.138479700
## 172	0.116760105	-0.209782989	2.27077390	1.588628384
## 173	0.295108281	0.552375157	1.13109005	1.679885860
## 174	2.701976902	2.575797827	2.42333352	2.621839126
## 175	-0.849545500	-0.676898092	2.38711738	2.936608863
## 176	-0.542692532	-0.812232269	0.53384096	-0.079355119
## 177	0.496201070	0.124030144	1.99504588	1.446145192
## 178	0.351335849	-0.208431915	0.96709266	0.193844414
## 179	1.955191957	1.869590116	2.04303527	2.208364294
## 180	1.284387413	1.093478949	2.82757666	2.751995447
## 181	1.149176725	1.148931938	0.90542720	1.080561706
## 182	-0.300614767	0.016529822	0.71216441	1.367130907
## 183	0.067958252	-0.494839933	1.77303138	0.589578849
## 184	0.238792515	0.598243664	1.96798731	2.854067097
## 185	-0.027426532	-0.675605782	2.00167686	0.450674633
## 186	0.724505483	-0.352874433	1.35431018	-0.119670106
## 187	1.694257052	1.724870807	1.81127088	2.094776834
## 188	1.238456330	1.041055880	1.39011220	1.336613048
## 189	1.745953285	2.096711996	1.88237172	2.564981026
## 190	2.084882731	2.369847734	1.76448188	2.334767838
## 191	1.915175247	2.385955645	-0.59531196	-0.228584298
## 192	0.493727018	0.121257363	1.84565236	1.262690437
## 193	2.137441323	2.369882467	1.33123019	1.790608851
## 194	0.386839627	0.241472490	0.24401753	0.141537279
## 195	2.706258835	3.176152830	0.47481217	0.993057007
## 196	1.837908859	1.621658566	1.73262699	1.703071966
## 197	2.706365610	3.176272498	0.48125968	1.000974528
##	Max_cooc.L.PET	Average_cooc.L.PET	Variance_cooc.L.PET	Entropy_cooc.L.PET
## 1	0.0190724042	-0.3867968404	-0.1074708933	-0.4982927
## 2	0.1307049770	-0.4757709381	0.0906460224	-0.5860237
## 3	0.0195302034	0.0139389374	-0.0764459918	-0.4564828
## 4	0.0525621760	-0.8511030999	-1.0806772768	-0.5975811
## 5	0.1082728164	-1.0757223817	-0.7069404049	-0.6879367
## 6	0.0323133655	-0.3438312136	-0.3345933037	-0.4952102
## 7	0.0504492567	-0.3392615409	-0.2302306185	-0.5021037
## 8	0.0822134777	-0.5382214523	0.0063355862	-0.5408135
## 9	0.0358348978	-0.1473833943	-0.1459576282	-0.5825570
## 10	0.1171822931	-0.7808929024	-0.2468808145	-0.6902943
## 11	0.0038241695	-0.3407913018	-0.8571398403	-0.5084510
## 12	0.0247772865	-0.1378609213	-0.3464293010	-0.4885470
## 13	-0.0124453095	0.0215349600	-0.2743283011	-0.3821483
## 14	0.2054318916	-0.5504093233	1.0798641690	-1.0251018
## 15	-0.0183262684	-0.2833467364	-0.5950040776	-0.4506299
## 16	0.1992339948	-0.4294516400	-0.7520839186	-0.6279273
## 17	0.0668595970	-0.5655564671	-0.7576449951	-0.5363907
## 18	0.0693246696	-0.9252829417	-0.7509502223	-0.5604093
## 19	0.0193893421	-0.4742551974	-0.5251112069	-0.4846557

## 20	0.0110433107	-0.4335237327	-0.5070955995	-0.4943406
## 21	0.0379126018	-0.6141310034	-0.4394130221	-0.5139044
## 22	0.1955011706	0.0303762156	1.2448030464	-0.8745445
## 23	-0.0213900015	0.1660099452	0.3461070251	-0.3448411
## 24	0.0001969913	-0.7486066452	-0.8524292110	-0.5057396
## 25	0.0645001704	0.3463139028	0.4533687517	-0.6870213
## 26	0.2300121868	-1.3513125564	-1.0263933820	-0.7551556
## 27	0.1856408803	-0.5988039794	0.2943064869	-0.7663781
## 28	0.0359405438	-0.4750116474	-0.6642828272	-0.4898905
## 29	0.1267960761	-0.2038761431	-0.2666901514	-0.5999106
## 30	0.0031198631	-0.1292931057	-0.4267212106	-0.4181011
## 31	0.0582670583	-0.1697693659	0.6096929086	-0.5535690
## 32	0.0448500204	-0.6306354503	-0.1138282652	-0.5027796
## 33	0.0079091470	-0.1271624916	-0.5856016222	-0.4421534
## 34	0.1485943609	-0.6649201833	-0.2064869445	-0.5332823
## 35	0.0395325067	-0.8863405659	-0.7087746701	-0.5631809
## 36	0.0781285003	-0.2754950511	0.4408721165	-0.7242096
## 37	0.0243194873	-0.4272936270	-0.0591982577	-0.4483306
## 38	0.0522100228	-0.4838644491	0.1265745845	-0.6662609
## 39	0.0159734558	-0.0003889861	-0.4611065710	-0.4269435
## 40	0.0026972792	0.0575704785	0.1269297210	-0.4399926
## 41	0.0413989188	-0.5515770329	0.2042115458	-0.4801590
## 42	0.0117828324	-0.1274610397	-0.1691054365	-0.4799267
## 43	0.1567643157	-1.1376092467	-1.0284486567	-0.6828822
## 44	0.0219952760	-0.1698637503	0.6096831762	-0.5537962
## 45	1.2773863124	-1.2180271664	-0.4291980002	-0.8862014
## 46	0.6447430414	-1.1543580851	-0.8890070250	-0.6846059
## 47	0.4900069137	0.2240166936	-0.2387113916	-0.4619201
## 48	0.4751108323	-0.5948232472	-0.9205394262	-0.5358061
## 49	0.5112417533	0.1623357333	0.3261578919	-0.5149732
## 50	0.4762729379	0.1807897228	-0.0031568226	-0.4108048
## 51	0.4566932185	-0.1110486863	-0.0622508908	-0.3899004
## 52	0.5566343041	0.0436259573	-0.2875822268	-0.4830184
## 53	0.5665298098	-1.0809577854	-0.9252578036	-0.6763622
## 54	0.5743476114	-0.0709896419	0.0000132696	-0.5516919
## 55	0.5414565001	-0.8138933657	-0.5125450279	-0.5673562
## 56	0.6573853422	0.4517898817	0.5364871825	-0.6832592
## 57	0.4778928427	-0.7938479448	-0.8790254001	-0.5466194
## 58	0.5594163146	-0.0681651648	-0.7476346550	-0.4728175
## 59	0.4827525573	-0.1561789239	0.0867427060	-0.4596480
## 60	0.5158549605	-0.6136879463	-0.9093661927	-0.5476827
## 61	0.5512111445	-1.1104754631	-1.4150956093	-0.7454120
## 62	0.4845837540	-0.6042567422	-0.6990490345	-0.5015899
## 63	0.8586409110	-1.8155072956	-1.8239662313	-1.0744705
## 64	0.5777634977	-1.3103584177	-1.3589790084	-0.7472357
## 65	0.5711078017	-0.6889048256	0.0248544696	-0.6606628
## 66	0.5571625340	-0.6710207166	-1.3867688754	-0.6865454
## 67	0.5991391986	-0.4809082920	-0.6126986212	-0.5847768
## 68	0.4718005919	-0.7163651976	-0.8447596437	-0.5265300
## 69	0.5238840541	-0.5484676614	-0.0601646237	-0.5199202
## 70	0.5508942066	-0.5226590170	-0.3455190236	-0.6317324
## 71	0.5875533574	-0.3760650554	-0.1501715012	-0.4073475
## 72	0.6962982737	-1.2088103890	-0.9644922573	-0.6780133
## 73	0.8334971706	-1.1547750260	-0.9954435803	-0.7755747

## 74	0.6325585397	-0.3747334102	-0.5882302554	-0.5181232
## 75	0.6230151873	-0.8695699183	-1.0112255369	-0.6052319
## 76	0.7323939794	-0.0656741489	0.6686376276	-0.9627205
## 77	0.8090225214	0.0988789712	0.0976772040	-0.7209396
## 78	0.6234025558	-0.4311696200	-0.2192530525	-0.5175333
## 79	0.1118647794	-0.5495397953	-0.0602751757	-0.5225012
## 80	0.2257511327	-1.4053121816	-1.5345096159	-0.8366889
## 81	0.0711558664	-0.1332928980	-0.0279204095	-0.4022965
## 82	0.1712025980	-0.9736234412	-0.9761367636	-0.6364258
## 83	0.2631145900	-0.5986023816	0.2943272744	-0.7658928
## 84	0.2042697859	-0.2036745453	-0.2666693638	-0.5994253
## 85	0.1357407681	-0.1695677681	0.6097136961	-0.5530836
## 86	0.1296837326	-0.4836628513	0.1265953721	-0.6657756
## 87	0.2962874240	-1.2087717189	-0.6013748386	-0.7545370
## 88	0.0977434350	-0.1865395554	-0.0775702488	-0.3810630
## 89	0.0562245696	-0.1233363483	-0.1716322673	-0.3899423
## 90	-0.5845182256	-0.2806439511	-0.6798077080	-0.4740612
## 91	-0.6187123039	-0.5240990669	-0.6846236168	-0.4673572
## 92	-0.5838843498	-0.5422707277	-1.0223765183	-0.5361492
## 93	-0.3802341391	-0.4337812281	-0.2195223458	-0.5238203
## 94	-0.5625790796	-1.1835309389	-1.0601024383	-0.6743492
## 95	-0.5661006119	-0.4450001467	0.1269286154	-0.4792746
## 96	-0.6441729822	-0.8192030857	-0.9805754823	-0.5427590
## 97	-0.5981113402	-0.5446386774	-0.4180668142	-0.4539241
## 98	-0.6008581353	-0.8190903742	-0.9805638601	-0.5424876
## 99	0.6007943187	-0.6039543455	-0.6990178531	-0.5008620
## 100	-0.4246406609	-0.6003920204	0.2941427376	-0.7702011
## 101	-0.5520144828	-0.1713574069	0.6095291594	-0.5573919
## 102	-0.6546671483	-0.5424549148	-1.0223955106	-0.5365926
## 103	-0.4638000997	-0.5419582511	-1.0223442976	-0.5353969
## 104	-0.5192642328	-1.1834182274	-1.0600908161	-0.6740779
## 105	-0.3616756640	-0.5416925085	-1.0223168958	-0.5347572
## 106	-0.0711140370	-0.3874764083	-0.1424242640	-0.5046022
## 107	0.4882461476	-0.1608175980	-0.2937943788	-0.5621055
## 108	0.4355640249	-0.4164083527	-0.5633312565	-0.5292438
## 109	0.4778224121	0.6200882310	-0.3644195098	-0.5482779
## 110	0.5102205089	-0.2743706851	0.4409880543	-0.7215028
## 111	0.4347892879	0.0586948445	0.1270456588	-0.4372859
## 112	0.4734909274	-0.5504526669	0.2043274836	-0.4774523
## 113	-0.5099321723	-0.5420782935	-1.0223566756	-0.5356859
## 114	-0.5160596384	-0.1881367599	-0.0777349429	-0.3849080
## 115	-0.3944963447	-0.0686064808	0.6683352632	-0.9697796
## 116	-0.4780623053	-0.1711649726	0.6095490020	-0.5569287
## 117	-0.4694697666	-0.5669520738	-0.7577889016	-0.5397504
## 118	-0.5325051941	-0.3421869085	-0.8572837469	-0.5118107
## 119	-0.3624151858	-1.1569788567	-0.8892772632	-0.6909151
## 120	-2.2361168569	-0.2849416500	-0.6802508608	-0.4844073
## 121	-2.2703109352	-0.5283967659	-0.6850667696	-0.4777033
## 122	-2.2354829811	-0.5465684267	-1.0228196711	-0.5464952
## 123	-2.0318327703	-0.4380789270	-0.2199654986	-0.5341664
## 124	-2.2141777109	-1.1878286379	-1.0605455911	-0.6846953
## 125	-2.2176992432	-0.4492978456	0.1264854626	-0.4896207
## 126	-2.2957716134	-0.8235007847	-0.9810186351	-0.5531050
## 127	-2.2497099714	-0.5489363764	-0.4185099670	-0.4642702

## 128	-2.2524567666	-0.8233880732	-0.9810070129	-0.5528337
## 129	-1.0508043125	-0.6082520444	-0.6994610059	-0.5112081
## 130	-2.0762392922	-0.6046897193	0.2936995848	-0.7805472
## 131	-2.2036131141	-0.1756551059	0.6090860066	-0.5677380
## 132	-2.3062657796	-0.5467526138	-1.0228386634	-0.5469386
## 133	-2.1153987309	-0.5462559501	-1.0227874504	-0.5457430
## 134	-2.1708628641	-1.1877159264	-1.0605339690	-0.6844239
## 135	-2.0132742953	-0.5459902075	-1.0227600486	-0.5451033
## 136	-1.7227126683	-0.3917741073	-0.1428674169	-0.5149483
## 137	-1.1633524837	-0.1651152970	-0.2942375316	-0.5724516
## 138	-1.2160346063	-0.4207060517	-0.5637744093	-0.5395898
## 139	-1.1737762192	0.6157905321	-0.3648626627	-0.5586240
## 140	-1.1413781223	-0.2786683841	0.4405449015	-0.7318489
## 141	-1.2168093434	0.0543971455	0.1266025060	-0.4476319
## 142	-1.1781077038	-0.5547503658	0.2038843308	-0.4877983
## 143	-2.1615308036	-0.5463759924	-1.0227998285	-0.5460320
## 144	-2.1676582697	-0.1924344589	-0.0781780957	-0.3952541
## 145	-2.1296609366	-0.1754626716	0.6091058492	-0.5672748
## 146	-2.1210683979	-0.5712497728	-0.7582320544	-0.5500965
## 147	-2.1841038254	-0.3464846074	-0.8577268997	-0.5221568
## 148	1.1801920219	2.8078562600	2.7030698593	1.8262644
## 149	1.1102543912	2.8447642389	2.0444404303	2.0346013
## 150	1.0710949524	2.2610874207	1.9262522940	2.0764101
## 151	1.2709771237	2.5704367080	1.4755896219	1.8901740
## 152	1.2907681350	0.3212692225	0.2002384682	1.5034865
## 153	1.3064037382	2.3412055095	2.0507806147	1.7528271
## 154	1.2406215156	0.8553980619	1.0256640197	1.7214985
## 155	1.4724791997	3.3867645567	3.1237284405	1.4896925
## 156	1.1134942009	0.8954889038	0.2927032753	1.7629720
## 157	1.2765411446	2.3468544637	0.5554847655	1.9105759
## 158	1.1232136299	2.1708269456	2.2242394875	1.9369149
## 159	1.1894184365	1.2558089007	0.2320216901	1.7608454
## 160	1.2601308043	0.2622338671	-0.7794371432	1.3653869
## 161	1.1268760235	1.2746713089	0.6526560066	1.8530309
## 162	1.8749903374	-1.1478297979	-1.5971783870	0.7072699
## 163	1.3132355108	-0.1375320420	-0.6672039412	1.3617395
## 164	1.2999241189	1.1053751420	2.1004630148	1.5348852
## 165	1.2720335833	1.1411433602	-0.7227836753	1.4831200
## 166	1.3559869125	1.5213682093	0.8253568330	1.6866572
## 167	1.1013096992	1.0504543981	0.3612347880	1.8031509
## 168	1.2054766236	1.3862494705	1.9304248281	1.8163705
## 169	1.2594969285	1.4378667593	1.3597160283	1.5927461
## 170	1.3328152302	1.7310546825	1.7504110732	2.0415158
## 171	1.5503050627	0.0655640152	0.1217695608	1.5001842
## 172	1.8247028567	0.1736347413	0.0598669149	1.3050615
## 173	1.4228255948	1.7337179730	0.8742935647	1.8199645
## 174	1.4037388900	0.7440449568	0.0283030017	1.6457471
## 175	1.6224964741	2.3518364956	3.3880293307	0.9307699
## 176	1.7757535582	2.6809427357	2.2461084834	1.4143316
## 177	1.4045136271	1.6208455534	1.6122479704	1.8211443
## 178	0.3814380741	1.3841052028	1.9302037241	1.8112085
## 179	0.6092107808	-0.3274395699	-1.0182651563	1.1828331
## 180	0.3000202482	2.2165989973	1.9949132565	2.0516179
## 181	0.5001137113	0.5359379109	0.0984805484	1.5833592

## 182	0.6839376954	1.2859800302	2.6394086243	1.3244252
## 183	0.5662480872	2.0758357028	1.5174153478	1.6573603
## 184	0.4291900516	2.1440492572	3.2701814677	1.7500436
## 185	0.4170759806	1.5158590908	2.3039448196	1.5246596
## 186	0.7502833633	0.0656413555	0.8480043983	1.3471368
## 187	0.3531953853	2.1101056826	1.8956135780	2.0940849
## 188	0.2701576546	2.2365120968	1.7074895408	2.0763263
## 189	-1.0113279359	1.9218968912	0.6911386596	1.9080884
## 190	-1.0797160924	1.4349866596	0.6815068419	1.9214964
## 191	-1.0100601843	1.3986433378	0.0060010389	1.7839125
## 192	-0.6027597627	1.6156223372	1.6117093838	1.8085702
## 193	-0.9674496439	0.1161229155	-0.0694508011	1.5075125
## 194	-0.9744927084	1.5931845000	2.3046113064	1.8976616
## 195	-1.1306374489	0.8447786219	0.0896031110	1.7706929
## 196	-1.0385141649	1.3939074385	1.2146204471	1.9483627
## 197	-1.0440077553	0.8450040449	0.0896263552	1.7712356
##	DAVE_cooc.L.PET	DVAR_cooc.L.PET	DENT_cooc.L.PET	SAVE_cooc.L.PET
## 1	-0.322091118	-0.437611781	-0.4886194	-0.3870940242
## 2	0.017151135	0.283981069	-0.3924968	-0.4761048893
## 3	-0.254786699	-0.420179750	-0.4853888	0.0138075587
## 4	-1.018428759	-1.081411317	-0.7736715	-0.8515923454
## 5	-0.579437627	-0.514575625	-0.5799860	-1.0763045638
## 6	-0.353388108	-0.388062149	-0.5037470	-0.3441105745
## 7	-0.174605964	0.107121876	-0.4328672	-0.3395391027
## 8	0.027956160	0.192065284	-0.3877596	-0.5385813341
## 9	-0.626919597	-0.956358691	-0.6326267	-0.1475815204
## 10	-0.232967139	0.108195906	-0.4615668	-0.7813530983
## 11	-0.908263382	-1.053731582	-0.7256014	-0.3410694049
## 12	-0.403732400	-0.567078595	-0.5283964	-0.1380551075
## 13	-0.269378025	-0.202063542	-0.4691741	0.0214067699
## 14	0.959261626	-0.855064126	-0.2657609	-0.5507742021
## 15	-0.516097412	-0.599289595	-0.5566622	-0.2836011176
## 16	-0.545183329	-0.128704706	-0.5709061	-0.4297664723
## 17	-0.813513241	-0.838154042	-0.6623968	-0.5659276589
## 18	-0.908471464	-0.891892244	-0.7101227	-0.9258029250
## 19	-0.362639981	-0.505516517	-0.5123968	-0.4745885673
## 20	-0.600111941	-0.764080720	-0.5982887	-0.4338402957
## 21	-0.432127198	-0.374905103	-0.5241225	-0.6145222929
## 22	1.009744745	1.614130378	-0.2302255	0.0302516378
## 23	0.202046606	0.305562996	-0.3457704	0.1659414861
## 24	-0.502941853	-0.650009246	-0.5590230	-0.7490535284
## 25	-0.050553882	-0.244008088	-0.4507357	0.3463200448
## 26	-1.063845792	-1.029406393	-0.7893680	-1.3520087643
## 27	-0.096685701	0.132047782	-0.4371180	-0.5991888815
## 28	-0.556297300	-0.637158730	-0.5723135	-0.4753453303
## 29	-0.272079599	-0.328773538	-0.4861147	-0.2040976890
## 30	-0.373573191	-0.292798277	-0.5005552	-0.1294837011
## 31	-0.008368476	-0.201022383	-0.4290713	-0.1699767543
## 32	-0.732157715	-0.753536973	-0.6351748	-0.6310335227
## 33	-0.499721185	-0.609286248	-0.5548649	-0.1273522513
## 34	-0.380582542	-0.336052333	-0.5061585	-0.6653324870
## 35	-0.600133544	-0.576705806	-0.5840135	-0.8868444826
## 36	0.390748868	0.604650737	-0.3314531	-0.2757461379
## 37	0.008933160	0.114898733	-0.3929739	-0.4276075664

## 38	0.023558001	0.316920528	-0.4008715	-0.4842017490
## 39	-0.529309836	-0.531939037	-0.5580240	-0.0005262931
## 40	0.144446917	0.309166933	-0.3591518	0.0574571523
## 41	-0.149197542	0.131959307	-0.4275813	-0.5519423490
## 42	-0.211119780	-0.154597765	-0.4596767	-0.1276508771
## 43	-1.145676888	-1.165856376	-0.8426538	-1.1382170804
## 44	-0.008532083	-0.201038850	-0.4295466	-0.1700239660
## 45	-0.540603774	-0.034860546	-0.5640638	-1.2192811549
## 46	-1.194799213	-0.256798427	-0.8606511	-1.1555856846
## 47	-0.400516339	-0.646502705	-0.5336828	0.2233593990
## 48	-0.889653211	-0.086203681	-0.6969004	-0.5958193840
## 49	0.454930307	0.609031590	-0.2939815	0.1616528722
## 50	-0.133852037	0.056380882	-0.4198803	0.1801144970
## 51	0.072261621	0.234481959	-0.3670850	-0.1118446607
## 52	-0.140481122	-0.085905320	-0.4276243	0.0428940257
## 53	-0.820552296	-0.895063382	-0.6770292	-1.0821550154
## 54	-0.180910378	0.204057938	-0.4267895	-0.0717689959
## 55	-0.623491642	-0.761191332	-0.5968550	-0.8149800974
## 56	0.261262505	0.306283525	-0.3474976	0.4512268285
## 57	-0.748718039	-0.874897571	-0.6458665	-0.7949263368
## 58	-0.575184649	-0.563473842	-0.5682685	-0.0689433961
## 59	-0.524406721	-0.757982273	-0.5713911	-0.1569935251
## 60	-0.977658312	-0.976640508	-0.7427016	-0.6146917968
## 61	-1.316192451	-1.425367349	-0.9614122	-1.1116849519
## 62	-0.506022104	-0.646730928	-0.5543670	-0.6052567364
## 63	-1.518661017	0.035432383	-1.1172260	-1.8170084925
## 64	-1.270802103	0.102901362	-0.9196510	-1.3116505167
## 65	-0.366882158	-0.200228024	-0.4970966	-0.6899398431
## 66	-1.110206660	-1.211249635	-0.8208847	-0.6720482886
## 67	-0.438653672	-0.498161045	-0.5296077	-0.4818572505
## 68	-0.931527764	-1.037746396	-0.7250449	-0.7174115310
## 69	-0.066801606	0.031742321	-0.4119471	-0.5494445728
## 70	0.118954150	0.410847135	-0.3639366	-0.5236252042
## 71	0.069433450	0.168033228	-0.3693387	-0.3771265253
## 72	-0.795202962	-0.658506103	-0.6559809	-1.2102163628
## 73	-0.812834830	-0.144575804	-0.6727281	-1.1561586426
## 74	-0.486222211	-0.561978636	-0.5433085	-0.3757942833
## 75	-1.108455116	-0.100784469	-0.8209234	-0.8708355308
## 76	0.886955451	1.375968841	-0.2648579	-0.0666071482
## 77	-0.193067937	-0.217952978	-0.4669841	0.0980140560
## 78	-0.023205053	0.095016509	-0.3950693	-0.4322538895
## 79	-0.068660049	0.031555266	-0.4173460	-0.5499808615
## 80	-1.384846068	-1.432711165	-1.0098524	-1.4061316184
## 81	-0.168406545	-0.068393688	-0.4386759	-0.1335859890
## 82	-1.025597746	-1.077294003	-0.7783856	-0.9742642203
## 83	-0.096336250	0.132082955	-0.4361028	-0.5990880409
## 84	-0.271730148	-0.328738365	-0.4850995	-0.2039968484
## 85	-0.008019025	-0.200987210	-0.4280562	-0.1698759137
## 86	0.023907452	0.316955700	-0.3998563	-0.4841009084
## 87	-0.605865493	-0.191165510	-0.5783543	-1.2095098368
## 88	-0.189104209	-0.240240278	-0.4513725	-0.1868547689
## 89	-0.256099841	-0.313767032	-0.4715769	-0.1236253655
## 90	-0.634097003	-0.652810255	-0.6043687	-0.2801028650
## 91	-0.607016140	-0.695216154	-0.5986893	-0.5236587107

## 92	-0.832667285	-0.902632367	-0.6900775	-0.5418378901
## 93	-0.027732032	0.094560863	-0.4082205	-0.4335602338
## 94	-1.051280328	-1.137215883	-0.7987261	-1.1833070447
## 95	-0.053931326	0.200260424	-0.4106380	-0.4445271091
## 96	-0.791928924	-0.849727902	-0.6696595	-0.8188284503
## 97	-0.150861723	-0.030777062	-0.4377447	-0.5442068195
## 98	-0.791733549	-0.849708237	-0.6690919	-0.8187720712
## 99	-0.505497928	-0.646678169	-0.5528443	-0.6051054754
## 100	-0.099438422	0.131770718	-0.4451149	-0.5999832306
## 101	-0.011121197	-0.201299448	-0.4370682	-0.1707711033
## 102	-0.832986556	-0.902664502	-0.6910050	-0.5419300218
## 103	-0.832125636	-0.902577850	-0.6885040	-0.5416815872
## 104	-1.051084953	-1.137196218	-0.7981585	-1.1832506656
## 105	-0.831664996	-0.902531486	-0.6871658	-0.5415486609
## 106	-0.820478276	-0.973305226	-0.6878187	-0.3876579066
## 107	-0.496292277	-0.740478123	-0.5686312	-0.1615836982
## 108	-1.096805056	-1.289669789	-0.8274473	-0.4172802040
## 109	-0.889616677	-1.159076681	-0.7357716	0.6196452777
## 110	0.392697852	0.604846904	-0.3257912	-0.2751837222
## 111	0.146395901	0.309363101	-0.3534899	0.0580195679
## 112	-0.147248559	0.132155475	-0.4219194	-0.5513799334
## 113	-0.832333718	-0.902598793	-0.6891085	-0.5417416332
## 114	-0.191872814	-0.240518941	-0.4594155	-0.1876537016
## 115	0.881872528	1.375457238	-0.2796241	-0.0680739208
## 116	-0.010787630	-0.201265874	-0.4360992	-0.1706748464
## 117	-0.815932395	-0.838397533	-0.6694246	-0.5666257509
## 118	-0.910682536	-1.053975073	-0.7326292	-0.3417674970
## 119	-1.199342076	-0.257255671	-0.8738484	-1.1568966126
## 120	-0.641546663	-0.653560072	-0.6260105	-0.2822526035
## 121	-0.614465800	-0.695965971	-0.6203310	-0.5258084493
## 122	-0.840116945	-0.903382185	-0.7117193	-0.5439876287
## 123	-0.035181692	0.093811046	-0.4298623	-0.4357099724
## 124	-1.058729988	-1.137965700	-0.8203679	-1.1854567833
## 125	-0.061380985	0.199510606	-0.4322798	-0.4466768476
## 126	-0.799378584	-0.850477719	-0.6913013	-0.8209781888
## 127	-0.158311383	-0.031526879	-0.4593864	-0.5463565581
## 128	-0.799183209	-0.850458055	-0.6907337	-0.8209218098
## 129	-0.512947587	-0.647427986	-0.5744860	-0.6072552140
## 130	-0.106888081	0.131020900	-0.4667566	-0.6021329691
## 131	-0.018570857	-0.202049265	-0.4587100	-0.1729208419
## 132	-0.840436216	-0.903414320	-0.7126468	-0.5440797604
## 133	-0.839575296	-0.903327667	-0.7101457	-0.5438313258
## 134	-1.058534613	-1.137946036	-0.8198003	-1.1854004042
## 135	-0.839114656	-0.903281303	-0.7088076	-0.5436983995
## 136	-0.827927935	-0.974055044	-0.7094605	-0.3898076452
## 137	-0.503741937	-0.741227940	-0.5902730	-0.1637334368
## 138	-1.104254715	-1.290419607	-0.8490891	-0.4194299426
## 139	-0.897066337	-1.159826499	-0.7574134	0.6174955391
## 140	0.385248192	0.604097087	-0.3474330	-0.2773334608
## 141	0.138946241	0.308613283	-0.3751317	0.0558698293
## 142	-0.154698218	0.131405657	-0.4435612	-0.5535296719
## 143	-0.839783378	-0.903348611	-0.7107502	-0.5438913718
## 144	-0.199322474	-0.241268759	-0.4810573	-0.1898034402
## 145	-0.018237290	-0.202015692	-0.4577409	-0.1728245849

## 146	-0.823382055	-0.839147351	-0.6910664	-0.5687754895
## 147	-0.918132195	-1.054724890	-0.7542710	-0.3439172356
## 148	3.115466824	3.002092628	2.2067061	2.8075391389
## 149	1.937902135	1.896791211	1.9549086	2.8444623885
## 150	2.350129451	2.252993364	2.0604991	2.2605440731
## 151	1.924643964	1.612218806	1.9394206	2.5700214458
## 152	0.564501618	-0.006097316	1.4406107	0.3199233636
## 153	1.843785453	2.192145323	1.9410901	2.3406954025
## 154	0.958622925	0.261646782	1.6009591	0.8542731996
## 155	2.728131219	2.396596496	2.0996740	3.3866870515
## 156	0.708170131	0.034234306	1.5029362	0.8943807208
## 157	1.055236910	0.657081762	1.6581321	2.3463466023
## 158	1.156792768	0.268064902	1.6518869	2.1702463442
## 159	0.250289585	-0.169251569	1.3092659	1.2548498007
## 160	-0.426778692	-1.066705250	0.8718448	0.2608634905
## 161	1.193562001	0.490567591	1.6859351	1.2737199217
## 162	-0.831715825	1.854894213	0.5602172	-1.1497835906
## 163	-0.335997997	1.989832171	0.9553672	-0.1390676390
## 164	1.471841894	1.383573399	1.8004759	1.1043537082
## 165	-0.014807111	-0.638469823	1.1528998	1.1401368172
## 166	1.328298865	0.787707357	1.7354537	1.5205188933
## 167	0.342550682	-0.291463345	1.3445794	1.0494103324
## 168	2.072002998	1.847514089	1.9707749	1.3853442489
## 169	2.443514509	2.605723717	2.0667960	1.4369829861
## 170	2.344473110	2.120095902	2.0559917	1.7299803438
## 171	0.615200284	0.467017241	1.4827074	0.0638006687
## 172	0.579936550	1.494877839	1.4492129	0.1719161092
## 173	1.233161786	0.660072176	1.7080521	1.7326448279
## 174	-0.011304023	1.582460509	1.1528222	0.7425623329
## 175	3.979517112	4.535967129	2.2649534	2.3510190980
## 176	1.819470336	1.348123490	1.8607009	2.6802615063
## 177	2.159196102	1.974062466	2.0045305	1.6197256155
## 178	2.068286110	1.847139979	1.9599771	1.3842716714
## 179	-0.564085927	-1.081392884	0.7749644	-0.3280298425
## 180	1.868793119	1.647242071	1.9173174	2.2170614165
## 181	0.154410718	-0.370558559	1.2378979	0.5357049538
## 182	2.012933709	2.048195357	1.9224634	1.2860573126
## 183	1.662145913	1.126552717	1.8244701	2.0762396976
## 184	2.189568158	1.382055026	1.9385568	2.1444815671
## 185	2.253421113	2.417940848	1.9949564	1.5160315776
## 186	0.993875223	1.401698427	1.6379605	0.0652137207
## 187	1.827397790	1.303548891	1.8919241	2.1105238566
## 188	1.693406527	1.156495383	1.8515154	2.2369826633
## 189	0.937412203	0.478408938	1.5859317	1.9240276645
## 190	0.991573929	0.393597140	1.5972906	1.4369159729
## 191	0.540271639	-0.021235288	1.4145141	1.4005576141
## 192	2.150142145	1.973151173	1.9782281	1.6171129268
## 193	0.103045552	-0.490402319	1.1972169	0.1176193050
## 194	2.097743558	2.184550294	1.9733931	1.5951791763
## 195	0.621748361	0.084573643	1.4553501	0.8465764938
## 196	1.903882763	1.722475323	1.9191798	1.3958197553
## 197	0.622139110	0.084612973	1.4564853	0.8466892520
##	SVAR_cooc.L.PET	SENT_cooc.L.PET	ASM_cooc.L.PET	Contrast_cooc.L.PET
## 1	-0.0267028721	-0.4370125	0.085679963	-0.221321680

## 2	-0.0503024891	-0.4522504	0.096475066	0.302267668
## 3	0.0164242495	-0.4160760	0.081861286	-0.213690732
## 4	-1.0375953401	-0.5918277	0.099559382	-1.003757658
## 5	-0.7681750526	-0.6137263	0.111345873	-0.514624393
## 6	-0.3355037204	-0.4628880	0.084431549	-0.288171642
## 7	-0.3877052857	-0.4823324	0.086708068	0.050802616
## 8	-0.1665399034	-0.4702200	0.090196282	0.280004392
## 9	0.2213690705	-0.4145506	0.091665003	-0.709735133
## 10	-0.3798832624	-0.5285778	0.110354486	-0.002473819
## 11	-0.7381373321	-0.5130706	0.086597914	-0.930865924
## 12	-0.2863215964	-0.4484865	0.084541703	-0.395322636
## 13	-0.3308820560	-0.4441786	0.076059836	-0.147642569
## 14	0.2740212931	-0.5620135	0.187425652	2.214379047
## 15	-0.6062716698	-0.5003666	0.080649591	-0.497102277
## 16	-0.8327979780	-0.5579538	0.102900724	-0.522758444
## 17	-0.6704814148	-0.5132794	0.090343154	-0.794189758
## 18	-0.6109448363	-0.5460212	0.097907070	-0.872317398
## 19	-0.5980892381	-0.4969406	0.084468267	-0.338604883
## 20	-0.3928075628	-0.4720515	0.084982320	-0.620423247
## 21	-0.4591633423	-0.4996657	0.088213507	-0.348969740
## 22	0.6485157886	-0.4425023	0.140536715	2.024319804
## 23	0.2156294011	-0.3869966	0.073489573	0.506733765
## 24	-0.9988568027	-0.5796242	0.085716681	-0.505240704
## 25	0.6734773772	-0.3886810	0.105360832	0.042775571
## 26	-0.9503060931	-0.6894978	0.141307794	-1.009194316
## 27	0.3703379926	-0.4613805	0.126657296	0.133929851
## 28	-0.6852497738	-0.5198576	0.085055756	-0.541657223
## 29	-0.2886452640	-0.4646040	0.095520397	-0.195980447
## 30	-0.4888284286	-0.4727605	0.079658204	-0.270715288
## 31	0.8786256078	-0.3713961	0.090086127	0.100529602
## 32	0.2711573214	-0.4394275	0.089902537	-0.709973247
## 33	-0.5975044025	-0.4851933	0.080943335	-0.487955879
## 34	-0.1349963033	-0.4660303	0.094308702	-0.292283750
## 35	-0.7471545331	-0.5602914	0.093904804	-0.552509222
## 36	0.1572003096	-0.4468087	0.110281050	0.832049289
## 37	-0.2379342794	-0.4609193	0.081237080	0.232593877
## 38	-0.0064387192	-0.4765105	0.102606979	0.320760537
## 39	-0.4083496748	-0.4553766	0.080466001	-0.482898834
## 40	-0.0841791579	-0.4215981	0.079841794	0.445097001
## 41	0.2627981690	-0.4334438	0.086157297	0.083660204
## 42	-0.2122697385	-0.4383736	0.083513598	-0.077839311
## 43	-0.8962826436	-0.6052571	0.116963733	-1.100035696
## 44	0.8786218488	-0.3717741	0.052266546	0.100523632
## 45	-0.4661400857	-0.6382429	0.670451472	-0.312980420
## 46	-0.6906584171	-0.5877470	0.621396170	-1.084616373
## 47	-0.1024392900	-0.4208290	0.573001793	-0.423212275
## 48	-0.8807929168	-0.5411629	0.580712581	-0.860019764
## 49	-0.0682873014	-0.4282520	0.577407958	0.908538800
## 50	-0.0483106577	-0.4274373	0.569770605	0.068790168
## 51	-0.3097912686	-0.4433313	0.567163624	0.339069961
## 52	-0.4512924920	-0.4621651	0.577664984	0.010914298
## 53	-0.9128651206	-0.6055647	0.601752018	-0.820660858
## 54	-0.0492740653	-0.4570485	0.584714848	0.078098519
## 55	-0.3902355928	-0.5048414	0.587028084	-0.638033950

## 56	0.4692650040	-0.4004184	0.600356733	0.570888020
## 57	-0.8755185211	-0.5545891	0.581740686	-0.766535607
## 58	-0.8209833470	-0.5205985	0.577371240	-0.530760166
## 59	0.4882043957	-0.3822605	0.572597894	-0.562705477
## 60	-0.8104262310	-0.5325040	0.583980487	-0.944358874
## 61	-1.3858868955	-0.6800976	0.610380758	-1.271311037
## 62	-0.7601789106	-0.5227225	0.576526725	-0.508115973
## 63	-1.9400623993	-1.0380851	0.737315023	-1.394410279
## 64	-1.3315376498	-0.7025027	0.619633704	-1.219936521
## 65	0.1851824964	-0.4644087	0.598924729	-0.233306942
## 66	-1.4499878848	-0.6944353	0.605754285	-1.100003904
## 67	-0.6944168716	-0.5216601	0.584898438	-0.400683830
## 68	-0.7133248081	-0.5202352	0.579574322	-0.940050801
## 69	-0.1715483658	-0.4656784	0.579023551	0.124635602
## 70	-0.8187366331	-0.5496798	0.589965527	0.452321790
## 71	-0.4282653788	-0.4650586	0.694097890	0.311461431
## 72	-1.0375163973	-0.6558514	0.730889366	-0.719000315
## 73	-1.0860315241	-0.6490670	0.746017198	-0.717893662
## 74	-0.6178497645	-0.4954056	0.703020373	-0.462288102
## 75	-0.8682212987	-0.5578187	0.716202150	-1.102536835
## 76	-0.0729862554	-0.5425350	0.777117379	1.756286755
## 77	0.2053253028	-0.4221761	0.729237054	-0.086655229
## 78	-0.4586784451	-0.4785017	0.703130527	0.190260775
## 79	-0.1715910652	-0.4699719	0.149422481	0.124567788
## 80	-1.5521055948	-0.7717920	0.228660011	-1.300197818
## 81	-0.0385378419	-0.4237526	0.159005889	-0.007362372
## 82	-0.8744680908	-0.5848058	0.186838164	-1.006351459
## 83	0.3703460216	-0.4605732	0.207436984	0.133942602
## 84	-0.2886372351	-0.4637966	0.176300086	-0.195967696
## 85	0.8786336368	-0.3705888	0.170865816	0.100542353
## 86	-0.0064306903	-0.4757032	0.183386668	0.320773288
## 87	-0.6664325826	-0.6228392	0.216653212	-0.417213591
## 88	-0.0638850607	-0.4219794	0.156729371	-0.088929887
## 89	-0.1540034119	-0.4310710	0.156839525	-0.176601615
## 90	-0.6705515768	-1.0232879	-0.552222551	-0.602892165
## 91	-0.6807480107	-0.9192161	-0.553727990	-0.598515032
## 92	-1.0580695228	-0.8788781	-0.545392995	-0.827990741
## 93	-0.4587824565	-0.4889602	-0.343333620	0.190095587
## 94	-0.9827967983	-0.8052094	-0.566616022	-1.040088546
## 95	0.0682446480	-1.0430138	-0.552038960	0.203220169
## 96	-1.0220848877	-0.7914654	-0.591547572	-0.782561204
## 97	-0.6619651505	-0.9186726	-0.554462351	0.025691093
## 98	-1.0220803988	-0.7910141	-0.546384382	-0.782554075
## 99	-0.7601668672	-0.5215115	0.697696257	-0.508096846
## 100	0.3702747464	-0.4677400	-0.509666342	0.133829405
## 101	0.8785623616	-0.3777557	-0.546237510	0.100429156
## 102	-1.0580768584	-0.8796157	-0.619196256	-0.828002391
## 103	-1.0580570780	-0.8776268	-0.420184478	-0.827970977
## 104	-0.9827923094	-0.8047580	-0.521452833	-1.040081417
## 105	-1.0580464944	-0.8765626	-0.313702161	-0.827954168
## 106	0.3135111316	-0.4282575	-0.004536262	-0.847373485
## 107	-0.1175487113	-0.4296846	0.542525819	-0.534357439
## 108	-0.1642258778	-0.4410297	0.538119655	-1.121574684
## 109	0.0407445774	-0.4002969	0.540726635	-0.959043378

## 110	0.1572450892	-0.4423060	0.560811403	0.832120407
## 111	-0.0841343783	-0.4170955	0.530372148	0.445168118
## 112	0.2628429486	-0.4289411	0.536687651	0.083731321
## 113	-1.0580618588	-0.8781075	-0.468285111	-0.827978569
## 114	-0.0639486718	-0.4283756	-0.483266071	-0.089030912
## 115	-0.0731030400	-0.5542779	-0.397859909	1.756101281
## 116	0.8785700256	-0.3769850	-0.469129625	0.100441328
## 117	-0.6705369970	-0.5188683	-0.468872599	-0.794278032
## 118	-0.7381929143	-0.5186595	-0.472617839	-0.930954198
## 119	-0.6907627934	-0.5982422	-0.428739781	-1.084782140
## 120	-0.6707227393	-1.0404986	-2.274298638	-0.603164000
## 121	-0.6809191732	-0.9364268	-2.275804078	-0.598786867
## 122	-1.0582406853	-0.8960888	-2.267469083	-0.828262576
## 123	-0.4589536190	-0.5061709	-2.065409707	0.189823752
## 124	-0.9829679608	-0.8224201	-2.288692110	-1.040360381
## 125	0.0680734855	-1.0602245	-2.274115048	0.202948333
## 126	-1.0222560501	-0.8086761	-2.313623659	-0.782833039
## 127	-0.6621363130	-0.9358833	-2.276538439	0.025419258
## 128	-1.0222515612	-0.8082248	-2.268460470	-0.782825910
## 129	-0.7603380297	-0.5387222	-1.024379830	-0.508368682
## 130	0.3701035839	-0.4849507	-2.231742429	0.133557570
## 131	0.8783911991	-0.3949663	-2.268313598	0.100157321
## 132	-1.0582480208	-0.8968264	-2.341272344	-0.828274226
## 133	-1.0582282404	-0.8948375	-2.142260565	-0.828242812
## 134	-0.9829634719	-0.8219687	-2.243528920	-1.040353252
## 135	-1.0582176568	-0.8937733	-2.035778249	-0.828226003
## 136	0.3133399691	-0.4454682	-1.726612350	-0.847645320
## 137	-0.1177198738	-0.4468953	-1.179550268	-0.534629274
## 138	-0.1643970403	-0.4582404	-1.183956433	-1.121846519
## 139	0.0405734149	-0.4175076	-1.181349452	-0.959315213
## 140	0.1570739267	-0.4595167	-1.161264684	0.831848572
## 141	-0.0843055407	-0.4343062	-1.191703940	0.444896283
## 142	0.2626717861	-0.4461518	-1.185388437	0.083459486
## 143	-1.0582330213	-0.8953182	-2.190361198	-0.828250405
## 144	-0.0641198343	-0.4455863	-2.205342159	-0.089302748
## 145	0.8783988631	-0.3941957	-2.191205713	0.100169493
## 146	-0.6707081594	-0.5360790	-2.190948687	-0.794549868
## 147	-0.7383640768	-0.5358702	-2.194693927	-0.931226033
## 148	2.0356108113	1.9770328	1.190378921	3.399110105
## 149	2.0755640987	1.9786621	1.175104217	1.719612839
## 150	1.5526028769	1.9468740	1.169890255	2.260172426
## 151	1.2696004302	1.9092065	1.190892974	1.603861100
## 152	0.3464551729	1.6224074	1.239067043	-0.059289212
## 153	2.0736372835	1.9194397	1.204992702	1.738229541
## 154	1.3917142285	1.8238539	1.209619175	0.305964604
## 155	3.1107154221	2.0327000	1.236276472	2.723808544
## 156	0.4211483719	1.7243585	1.199044379	0.048961289
## 157	0.5302187202	1.7923397	1.190305485	0.520512171
## 158	3.1485942055	2.0690156	1.180758795	0.456621550
## 159	0.5513329521	1.7685287	1.203523980	-0.306685244
## 160	-0.5995883769	1.4733415	1.256324522	-0.960589570
## 161	0.6518275929	1.7880917	1.188616456	0.565800557
## 162	-1.7079393844	0.7573665	1.510193052	-1.206788054
## 163	-0.4908898854	1.4285313	1.274830414	-0.857840538

## 164	2.5425504070	1.9047192	1.233412465	1.115418621
## 165	-0.7277903555	1.4446661	1.247071576	-0.617975304
## 166	0.7833516710	1.7902164	1.205359882	0.780664845
## 167	0.7455357980	1.7930662	1.194711650	-0.298069099
## 168	1.8290886824	1.9021798	1.193610109	1.831303708
## 169	0.5347121479	1.7341771	1.215494061	2.486676083
## 170	1.3156546566	1.9034194	1.423758785	2.204955366
## 171	0.0971526195	1.5218338	1.497341738	0.144031874
## 172	0.0001223658	1.5354028	1.527597403	0.146245181
## 173	0.9364858852	1.8427255	1.441603753	0.657456300
## 174	0.4357428167	1.7178992	1.467967306	-0.623041165
## 175	2.0262129033	1.7484667	1.589797763	5.094606015
## 176	2.5828360196	1.9891845	1.494037114	1.408722046
## 177	1.2548285238	1.8765333	1.441824061	1.962554054
## 178	1.8290032837	1.8935928	0.334407967	1.831168080
## 179	-0.9320257755	1.2899526	0.492883029	-1.018363133
## 180	2.0951097304	1.9860315	0.353574784	1.567307760
## 181	0.4232492326	1.6639251	0.409239333	-0.430670414
## 182	2.9128774572	1.9123903	0.450436974	1.849917709
## 183	1.5949109440	1.9059434	0.388163178	1.190097112
## 184	3.9294526877	2.0923591	0.377294638	1.783117211
## 185	2.1593240336	1.8821303	0.402336342	2.223579081
## 186	0.8393202489	1.5878583	0.468869431	0.747605323
## 187	2.0444152928	1.9895778	0.349021747	1.404172730
## 188	1.8641785903	1.9713947	0.349242056	1.228829273
## 189	0.8310822606	0.7869608	-1.068882095	0.376248175
## 190	0.8106893928	0.9951045	-1.071892974	0.385002440
## 191	0.0560463685	1.0757804	-1.055222984	-0.073948978
## 192	1.2546205012	1.8556163	-0.651104233	1.962223679
## 193	0.2065918176	1.2231179	-1.097669038	-0.498144588
## 194	2.3086747102	0.7475091	-1.068514914	1.988472841
## 195	0.1280156388	1.2506058	-1.147532137	0.016910096
## 196	0.8482551131	0.9961914	-1.073361696	1.633414690
## 197	0.1280246166	1.2515085	-1.057205758	0.016924355
##	Dissimilarity_cooc.L.PET	Inv_diff_cooc.L.PET	Inv_diff_norm_cooc.L.PET	
## 1	-0.322091118	-0.566764318	-0.5763209	
## 2	0.017151135	-0.656772717	-0.6263249	
## 3	-0.254786699	-0.673049067	-0.5908391	
## 4	-1.018428759	0.015294909	-0.4583262	
## 5	-0.579437627	-0.355402183	-0.5329963	
## 6	-0.353388108	-0.559409546	-0.5726633	
## 7	-0.174605964	-0.568146794	-0.5961953	
## 8	0.027956160	-0.719675371	-0.6297884	
## 9	-0.626919597	-0.446839141	-0.5322862	
## 10	-0.232967139	-0.549603184	-0.5861674	
## 11	-0.908263382	-0.157615962	-0.4798098	
## 12	-0.403732400	-0.545612437	-0.5664438	
## 13	-0.269378025	-0.578303384	-0.5842083	
## 14	0.959261626	-0.840347086	-0.7484906	
## 15	-0.516097412	-0.432332360	-0.5461122	
## 16	-0.545183329	-0.396646048	-0.5410242	
## 17	-0.813513241	0.056815269	-0.4937609	
## 18	-0.908471464	-0.027497329	-0.4763897	
## 19	-0.362639981	-0.567123762	-0.5729749	

## 20	-0.600111941	-0.432295494	-0.5336833
## 21	-0.432127198	-0.496110582	-0.5580812
## 22	1.009744745	-1.058225290	-0.7664723
## 23	0.202046606	-0.809232161	-0.6576191
## 24	-0.502941853	-0.482986278	-0.5496089
## 25	-0.050553882	-0.705832179	-0.6235408
## 26	-1.063845792	0.191191928	-0.4479076
## 27	-0.096685701	-0.626551793	-0.6093316
## 28	-0.556297300	-0.411650520	-0.5394457
## 29	-0.272079599	-0.608515091	-0.5863003
## 30	-0.373573191	-0.512562046	-0.5673914
## 31	-0.008368476	-0.786218545	-0.6300259
## 32	-0.732157715	-0.226619944	-0.5081309
## 33	-0.499721185	-0.480166027	-0.5494633
## 34	-0.380582542	-0.400793476	-0.5659636
## 35	-0.600133544	-0.337595894	-0.5301355
## 36	0.390748868	-0.827324162	-0.6840655
## 37	0.008933160	-0.717951884	-0.6277476
## 38	0.023558001	-0.759260265	-0.6277195
## 39	-0.529309836	-0.418461518	-0.5425746
## 40	0.144446917	-0.791333706	-0.6482171
## 41	-0.149197542	-0.595455302	-0.6000471
## 42	-0.211119780	-0.675325544	-0.5945172
## 43	-1.145676888	0.209035084	-0.4342834
## 44	-0.008532083	-0.795711546	-0.6326568
## 45	-0.540603774	-0.096869971	-0.4974926
## 46	-1.194799213	0.594285039	-0.3869154
## 47	-0.400516339	-0.485686714	-0.5339847
## 48	-0.889653211	0.068317469	-0.4453993
## 49	0.454930307	-0.837066009	-0.6605999
## 50	-0.133852037	-0.466645412	-0.5692483
## 51	0.072261621	-0.620432033	-0.6023382
## 52	-0.140481122	-0.521889150	-0.5708166
## 53	-0.820552296	-0.028437413	-0.4594322
## 54	-0.180910378	-0.370222325	-0.5584823
## 55	-0.623491642	-0.240177424	-0.4945527
## 56	0.261262505	-0.658063028	-0.6331957
## 57	-0.748718039	-0.151016944	-0.4727499
## 58	-0.575184649	-0.262379987	-0.5000213
## 59	-0.524406721	-0.371743049	-0.5131474
## 60	-0.977658312	0.139966587	-0.4299054
## 61	-1.316192451	0.497078549	-0.3696948
## 62	-0.506022104	-0.334268735	-0.5144016
## 63	-1.518661017	0.944779550	-0.3292284
## 64	-1.270802103	0.485548700	-0.3772656
## 65	-0.366882158	-0.304139976	-0.5317115
## 66	-1.110206660	0.258324959	-0.4077169
## 67	-0.438653672	-0.367531106	-0.5241663
## 68	-0.931527764	0.046796927	-0.4401402
## 69	-0.066801606	-0.575335669	-0.5816030
## 70	0.118954150	-0.607316945	-0.6075335
## 71	0.069433450	-0.610837650	-0.5944431
## 72	-0.795202962	0.001202871	-0.4512357
## 73	-0.812834830	0.036677203	-0.4475040

## 74	-0.486222211	-0.297540958	-0.5075767
## 75	-1.108455116	0.257900999	-0.3995741
## 76	0.886955451	-0.855176444	-0.7086320
## 77	-0.193067937	-0.510257919	-0.5549166
## 78	-0.023205053	-0.531612564	-0.5793400
## 79	-0.068660049	-0.683168790	-0.6114874
## 80	-1.384846068	0.562995001	-0.3841900
## 81	-0.168406545	-0.637095476	-0.5946551
## 82	-1.025597746	0.040658734	-0.4512051
## 83	-0.096336250	-0.606275480	-0.6037124
## 84	-0.271730148	-0.588238777	-0.5806810
## 85	-0.008019025	-0.765942232	-0.6244066
## 86	0.023907452	-0.738983951	-0.6221002
## 87	-0.605865493	-0.138961754	-0.5167693
## 88	-0.189104209	-0.624008038	-0.5935517
## 89	-0.256099841	-0.607022017	-0.5830564
## 90	-0.634097003	-0.490746576	-0.5698204
## 91	-0.607016140	-0.556487914	-0.5758433
## 92	-0.832667285	-0.351687932	-0.5364419
## 93	-0.027732032	-0.794282988	-0.6521352
## 94	-1.051280328	-0.115800674	-0.5008208
## 95	-0.053931326	-0.802568627	-0.6602985
## 96	-0.791928924	-0.369411273	-0.5464391
## 97	-0.150861723	-0.813213692	-0.6475606
## 98	-0.791733549	-0.358074970	-0.5432974
## 99	-0.505497928	-0.303854265	-0.5059726
## 100	-0.099438422	-0.786273844	-0.6535963
## 101	-0.011121197	-0.945940596	-0.6742905
## 102	-0.832986556	-0.370213109	-0.5415759
## 103	-0.832125636	-0.320259646	-0.5277320
## 104	-1.051084953	-0.104464372	-0.4976791
## 105	-0.831664996	-0.293531778	-0.5203248
## 106	-0.820478276	-0.246075988	-0.5018093
## 107	-0.496292277	-0.445539613	-0.5210527
## 108	-1.096805056	0.155275204	-0.4150143
## 109	-0.889616677	-0.158933923	-0.4540045
## 110	0.392697852	-0.714237632	-0.6527253
## 111	0.146395901	-0.678247176	-0.6168768
## 112	-0.147248559	-0.482368772	-0.5687068
## 113	-0.832333718	-0.332333269	-0.5310780
## 114	-0.191872814	-0.784651739	-0.6380717
## 115	0.881872528	-1.150104639	-0.7903670
## 116	-0.010787630	-0.926585933	-0.6689267
## 117	-0.815932395	-0.083552119	-0.5326617
## 118	-0.910682536	-0.297983350	-0.5187105
## 119	-1.199342076	0.330692965	-0.4599660
## 120	-0.641546663	-0.923000712	-0.6896133
## 121	-0.614465800	-0.988742050	-0.6956361
## 122	-0.840116945	-0.783942068	-0.6562348
## 123	-0.035181692	-1.226537125	-0.7719281
## 124	-1.058729988	-0.548054811	-0.6206136
## 125	-0.061380985	-1.234822764	-0.7800914
## 126	-0.799378584	-0.801665409	-0.6662320
## 127	-0.158311383	-1.245467828	-0.7673535

## 128	-0.799183209	-0.790329107	-0.6630903
## 129	-0.512947587	-0.736108401	-0.6257655
## 130	-0.106888081	-1.218527981	-0.7733891
## 131	-0.018570857	-1.378194733	-0.7940834
## 132	-0.840436216	-0.802467245	-0.6613687
## 133	-0.839575296	-0.752513782	-0.6475249
## 134	-1.058534613	-0.536718508	-0.6174719
## 135	-0.839114656	-0.725785915	-0.6401176
## 136	-0.827927935	-0.678330125	-0.6216021
## 137	-0.503741937	-0.877793750	-0.6408456
## 138	-1.104254715	-0.276978933	-0.5348072
## 139	-0.897066337	-0.591188059	-0.5737974
## 140	0.385248192	-1.146491769	-0.7725181
## 141	0.138946241	-1.110501313	-0.7366697
## 142	-0.154698218	-0.914622908	-0.6884996
## 143	-0.839783378	-0.764587405	-0.6508709
## 144	-0.199322474	-1.216905876	-0.7578646
## 145	-0.018237290	-1.358840070	-0.7887195
## 146	-0.823382055	-0.515806256	-0.6524545
## 147	-0.918132195	-0.730237487	-0.6385034
## 148	3.115466824	0.420581549	1.4483520
## 149	1.937902135	1.161422743	1.6310553
## 150	2.350129451	0.853849501	1.5648755
## 151	1.924643964	1.050935268	1.6279187
## 152	0.564501618	2.037838742	1.8506874
## 153	1.843785453	1.354268917	1.6525873
## 154	0.958622925	1.614358719	1.7804464
## 155	2.728131219	0.778587512	1.5031604
## 156	0.708170131	1.792679679	1.8240520
## 157	1.055236910	1.569953593	1.7695093
## 158	1.156792768	1.351227470	1.7432570
## 159	0.250289585	2.374646741	1.9097410
## 160	-0.426778692	3.088870666	2.0301622
## 161	1.193562001	1.426176097	1.7407488
## 162	-0.831715825	3.984272668	2.1110951
## 163	-0.335997997	3.065810968	2.0150208
## 164	1.471841894	1.486433614	1.7061289
## 165	-0.014807111	2.611363484	1.9541180
## 166	1.328298865	1.359651356	1.7212192
## 167	0.342550682	2.188307421	1.8892715
## 168	2.072002998	0.944042230	1.6063458
## 169	2.443514509	0.880079677	1.5544849
## 170	2.344473110	0.873038267	1.5806657
## 171	0.615200284	2.097119309	1.8670804
## 172	0.579936550	2.168067973	1.8745438
## 173	1.233161786	1.499631651	1.7543985
## 174	-0.011304023	2.610515566	1.9704037
## 175	3.979517112	0.384360680	1.3522879
## 176	1.819470336	1.074197729	1.6597187
## 177	2.159196102	1.031488440	1.6108718
## 178	2.068286110	0.728375987	1.5465771
## 179	-0.564085927	3.220703569	2.0011718
## 180	1.868793119	0.820522615	1.5802417
## 181	0.154410718	2.176031035	1.8671417

## 182	2.012933709	0.882162608	1.5621271
## 183	1.662145913	0.918236013	1.6081899
## 184	2.189568158	0.562829104	1.5207386
## 185	2.253421113	0.616745665	1.5253515
## 186	0.993875223	1.816790059	1.7360132
## 187	1.827397790	0.846697492	1.5824485
## 188	1.693406527	0.880669534	1.6034391
## 189	0.937412203	1.113220416	1.6299110
## 190	0.991573929	0.981737740	1.6178653
## 191	0.540271639	1.391337704	1.6966680
## 192	2.150142145	0.506147591	1.4652814
## 193	0.103045552	1.863112219	1.7679103
## 194	2.097743558	0.489576313	1.4489548
## 195	0.621748361	1.355891022	1.6766736
## 196	1.903882763	0.468286184	1.4744306
## 197	0.622139110	1.378563627	1.6829570
##	IDM_cooc.L.PET	IDM_norm_cooc.L.PET	Inv_var_cooc.L.PET
## 1	-0.529973481	-0.5673986	-0.53261480
## 2	-0.576520404	-0.6053420	-0.58113347
## 3	-0.659557818	-0.5704381	-0.61773596
## 4	0.158069456	-0.5056711	0.21324996
## 5	-0.276773366	-0.5441814	-0.23876264
## 6	-0.514196634	-0.5628242	-0.50729128
## 7	-0.487919302	-0.5853976	-0.49504373
## 8	-0.678025087	-0.6047752	-0.67574936
## 9	-0.404059090	-0.5322894	-0.47958453
## 10	-0.485881894	-0.5798761	-0.47319949
## 11	-0.072079221	-0.5123752	-0.04444578
## 12	-0.504597310	-0.5562880	-0.58131190
## 13	-0.533329979	-0.5734379	-0.50226991
## 14	-0.676131343	-0.7211107	-0.67977665
## 15	-0.365191625	-0.5476641	-0.35537569
## 16	-0.323829642	-0.5451145	-0.43862340
## 17	0.316699909	-0.5231966	-0.28847931
## 18	0.130120406	-0.5161099	0.11588125
## 19	-0.518637137	-0.5601999	-0.55652366
## 20	-0.395347867	-0.5380744	-0.38967140
## 21	-0.450606013	-0.5570298	-0.41310872
## 22	-1.009978835	-0.7195432	-1.05766668
## 23	-0.752129253	-0.6220277	-0.75057288
## 24	-0.436435583	-0.5474308	-0.40077195
## 25	-0.632013636	-0.5908560	-0.71608601
## 26	0.423154447	-0.5046914	0.38166980
## 27	-0.562572000	-0.5927595	-0.62520429
## 28	-0.348565858	-0.5438058	-0.36597920
## 29	-0.568409956	-0.5702328	-0.60662267
## 30	-0.452813205	-0.5627659	-0.43957924
## 31	-0.764954471	-0.5955261	-0.73173637
## 32	-0.118521662	-0.5298307	-0.13590100
## 33	-0.440340614	-0.5484642	-0.42638859
## 34	-0.259063594	-0.5631251	-0.26301560
## 35	-0.250313191	-0.5417321	-0.21152744
## 36	-0.729038635	-0.6439269	-0.67235930
## 37	-0.669287744	-0.6019993	-0.64054878

## 38	-0.739878687	-0.6047145	-0.57366514
## 39	-0.355500879	-0.5477131	-0.32130939
## 40	-0.758567982	-0.6160094	-0.83603815
## 41	-0.523600053	-0.5883647	-0.42345733
## 42	-0.670489292	-0.5774664	-0.62483470
## 43	0.412497239	-0.4970145	0.37520829
## 44	-0.778406584	-0.5979287	-0.74486330
## 45	0.115440624	-0.5234765	0.13257667
## 46	1.002026303	-0.4664330	0.99346141
## 47	-0.422565540	-0.5235978	-0.36767423
## 48	0.267645407	-0.4860626	0.27117415
## 49	-0.757275012	-0.6178662	-0.70882159
## 50	-0.332096814	-0.5575500	-0.30240915
## 51	-0.518571835	-0.5776274	-0.49091448
## 52	-0.419783696	-0.5541396	-0.49246932
## 53	0.164312282	-0.4894053	0.15287881
## 54	-0.204902513	-0.5558775	-0.21151469
## 55	-0.111312375	-0.5053819	-0.15186998
## 56	-0.485646809	-0.5955634	-0.54210952
## 57	-0.025258031	-0.4948848	-0.02606807
## 58	-0.155208057	-0.5125572	-0.14701429
## 59	-0.282859468	-0.5123193	-0.29839460
## 60	0.346464342	-0.4787286	0.35908638
## 61	0.788647056	-0.4517535	0.82288773
## 62	-0.218863978	-0.5159442	-0.20312875
## 63	1.431501341	-0.4406662	1.35330509
## 64	0.783788623	-0.4559686	0.74269873
## 65	-0.154724825	-0.5350653	-0.22414459
## 66	0.492896471	-0.4667386	0.50047493
## 67	-0.265606807	-0.5237471	-0.29701819
## 68	0.222953047	-0.4803452	0.22493676
## 69	-0.491419463	-0.5625326	-0.44502119
## 70	-0.490257096	-0.5841986	-0.50218070
## 71	-0.505158903	-0.5678604	-0.53687149
## 72	0.183628471	-0.4875578	0.27892287
## 73	0.215195226	-0.4863915	0.17595927
## 74	-0.169051979	-0.5113699	-0.12817778
## 75	0.483127364	-0.4584996	0.49765837
## 76	-0.716108934	-0.6628543	-0.85764024
## 77	-0.415330132	-0.5398403	-0.36170976
## 78	-0.407755156	-0.5592832	-0.42406907
## 79	-0.644225021	-0.5898250	-0.59413296
## 80	0.889263638	-0.4748564	0.91703206
## 81	-0.602027178	-0.5778303	-0.59194089
## 82	0.191151207	-0.5000913	0.23014930
## 83	-0.533839331	-0.5876276	-0.59716618
## 84	-0.539677287	-0.5651009	-0.57858456
## 85	-0.736221802	-0.5903942	-0.70369826
## 86	-0.711146018	-0.5995826	-0.54562703
## 87	0.049355486	-0.5423269	0.04578597
## 88	-0.568057327	-0.5740304	-0.56703795
## 89	-0.561958165	-0.5670277	-0.54588192
## 90	-0.474153741	-0.5788147	-0.44736619
## 91	-0.565131819	-0.5796312	-0.51993392

## 92	-0.329171306	-0.5608041	-0.30599038
## 93	-0.779973821	-0.6257646	-0.78729007
## 94	-0.030116464	-0.5461198	-0.03793329
## 95	-0.802320001	-0.6382865	-0.81759672
## 96	-0.332253538	-0.5674266	-0.30763444
## 97	-0.843264054	-0.6256970	-0.87595422
## 98	-0.316189364	-0.5645574	-0.29195858
## 99	-0.175764975	-0.5082464	-0.16107158
## 100	-0.788907069	-0.6331849	-0.84606814
## 101	-0.991289540	-0.6359515	-0.95260023
## 102	-0.355422517	-0.5654928	-0.33160702
## 103	-0.284635670	-0.5528496	-0.26253131
## 104	-0.014052290	-0.5432506	-0.02225743
## 105	-0.246760788	-0.5460848	-0.22557198
## 106	-0.165342852	-0.5255852	-0.08501183
## 107	-0.387537805	-0.5169730	-0.30003866
## 108	0.335676531	-0.4680449	0.32719940
## 109	-0.091238687	-0.4822370	-0.08773917
## 110	-0.568788704	-0.6153049	-0.51598310
## 111	-0.598318052	-0.5873873	-0.67966195
## 112	-0.363350122	-0.5597427	-0.26708113
## 113	-0.301744668	-0.5559054	-0.27922673
## 114	-0.795698427	-0.6146891	-0.78917627
## 115	-1.134038663	-0.7375002	-1.26546732
## 116	-0.963862902	-0.6310528	-0.92583657
## 117	0.117791479	-0.5587233	-0.48257951
## 118	-0.270987652	-0.5479020	-0.23854598
## 119	0.628501608	-0.5331478	0.62896595
## 120	-1.086682001	-0.6882176	-1.04508776
## 121	-1.177660079	-0.6890340	-1.11765549
## 122	-0.941699566	-0.6702069	-0.90371195
## 123	-1.392502080	-0.7351675	-1.38501164
## 124	-0.642644724	-0.6555227	-0.63565486
## 125	-1.414848260	-0.7476893	-1.41531829
## 126	-0.944781797	-0.6768294	-0.90535601
## 127	-1.455792313	-0.7350999	-1.47367579
## 128	-0.928717623	-0.6739602	-0.88968015
## 129	-0.788293234	-0.6176492	-0.75879315
## 130	-1.401435328	-0.7425878	-1.44378971
## 131	-1.603817799	-0.7453543	-1.55032180
## 132	-0.967950777	-0.6748956	-0.92932859
## 133	-0.897163929	-0.6622525	-0.86025288
## 134	-0.626580550	-0.6526535	-0.61997900
## 135	-0.859289047	-0.6554877	-0.82329355
## 136	-0.777871112	-0.6349881	-0.68273340
## 137	-1.000066064	-0.6263758	-0.89776023
## 138	-0.276851728	-0.5774478	-0.27052217
## 139	-0.703766947	-0.5916398	-0.68546074
## 140	-1.181316964	-0.7247077	-1.11370467
## 141	-1.210846311	-0.6967902	-1.27738352
## 142	-0.975878381	-0.6691456	-0.86480270
## 143	-0.914272927	-0.6653083	-0.87694830
## 144	-1.408226686	-0.7240919	-1.38689784
## 145	-1.576391161	-0.7404557	-1.52355814

## 146	-0.494736781	-0.6681262	-1.08030108
## 147	-0.883515911	-0.6573049	-0.83626755
## 148	0.177124440	1.5568572	0.27865523
## 149	1.027480836	1.6774896	1.09148010
## 150	0.654530794	1.6373348	0.71446945
## 151	0.852107073	1.6843104	0.71135977
## 152	2.020299028	1.8137790	2.00205602
## 153	1.281869438	1.6808347	1.27326902
## 154	1.469049715	1.7818259	1.39255844
## 155	0.720380847	1.6014628	0.61207936
## 156	1.641158402	1.8028200	1.64416226
## 157	1.381258352	1.7674752	1.40226982
## 158	1.125955528	1.7679511	1.09950919
## 159	2.384603149	1.8351323	2.41447116
## 160	3.268968577	1.8890826	3.34207386
## 161	1.253946508	1.7607011	1.29004091
## 162	4.554677147	1.9112571	4.40290857
## 163	3.259251710	1.8806523	3.18169586
## 164	1.382224814	1.7224591	1.24800923
## 165	2.677467407	1.8591123	2.69724826
## 166	1.160460852	1.7450954	1.10226203
## 167	2.137580558	1.8318992	2.14617192
## 168	0.708835538	1.6675244	0.80625603
## 169	0.711160272	1.6241924	0.69193700
## 170	0.681356658	1.6568687	0.62255542
## 171	2.058931408	1.8174739	2.25414414
## 172	2.122064917	1.8198066	2.04821695
## 173	1.353570507	1.7698499	1.43994285
## 174	2.657929192	1.8755904	2.69161515
## 175	0.259456597	1.4668809	-0.01898207
## 176	0.861014201	1.7129091	0.97287888
## 177	0.876164153	1.6740232	0.84816026
## 178	0.403224424	1.6129396	0.50803248
## 179	3.470201741	1.8428768	3.53036253
## 180	0.487620108	1.6369289	0.51241662
## 181	2.073976878	1.7924069	2.15659699
## 182	0.623995803	1.6173344	0.50196605
## 183	0.612319891	1.6623878	0.53912929
## 184	0.219230860	1.6118012	0.28890189
## 185	0.269382428	1.5934244	0.60504434
## 186	1.790385436	1.7079358	1.78787033
## 187	0.555559810	1.6445288	0.56222250
## 188	0.567758134	1.6585342	0.60453456
## 189	0.743366982	1.6349601	0.80156602
## 190	0.561410826	1.6333272	0.65643056
## 191	1.033331852	1.6709814	1.08431763
## 192	0.131726823	1.5410603	0.12171827
## 193	1.631441536	1.7003499	1.62043183
## 194	0.087034463	1.5160166	0.06110497
## 195	1.027167389	1.6577364	1.08102953
## 196	0.005146356	1.5411956	-0.05561004
## 197	1.059295737	1.6634748	1.11238124
##	Correlation_cooc.L.PET	Autocorrelation_cooc.L.PET	Tendency_cooc.L.PET
## 1	-0.2395618802	-0.232999622	-0.0267028721

## 2	-0.8363785303	-0.424259844	-0.0503024891
## 3	-0.2158560796	0.393865440	0.0164242495
## 4	0.1061215717	-0.915861520	-1.0375953401
## 5	-0.5520433601	-1.153065744	-0.7681750526
## 6	-0.4179359102	-0.223388991	-0.3355037204
## 7	-0.8927159623	-0.268226590	-0.3877052857
## 8	-0.9201982326	-0.527107462	-0.1665399034
## 9	0.5649239386	0.231638262	0.2213690705
## 10	-0.8221322363	-0.831809713	-0.3798832624
## 11	0.2740542944	-0.218613607	-0.7381373321
## 12	-0.2265499663	0.110031901	-0.2863215964
## 13	-0.5956947871	0.331366454	-0.3308820560
## 14	-1.9412749770	-0.693510758	0.2740212931
## 15	-0.3891948167	-0.162020577	-0.6062716698
## 16	-0.6229366996	-0.411875502	-0.8327979780
## 17	0.0624538492	-0.529256883	-0.6704814148
## 18	0.2724736361	-0.928915526	-0.6109448363
## 19	-0.6208019962	-0.450137763	-0.5980892381
## 20	0.0170302924	-0.320417510	-0.3928075628
## 21	-0.4555009880	-0.604513137	-0.4591633423
## 22	-1.5482247363	0.271148535	0.6485157886
## 23	-0.8082199989	0.607973535	0.2156294011
## 24	-0.8982930788	-0.853011693	-0.9988568027
## 25	-0.0690137383	1.085582213	0.6734773772
## 26	0.2286470331	-1.363516630	-0.9503060931
## 27	-0.3442356801	-0.483436011	0.3703379926
## 28	-0.4061420809	-0.443282760	-0.6852497738
## 29	-0.4942434118	-0.017452291	-0.2886452640
## 30	-0.5956499747	0.069189291	-0.4888284286
## 31	-0.0144973225	0.225085555	0.8786256078
## 32	0.5905607496	-0.439798173	0.2711573214
## 33	-0.3940427120	0.078008006	-0.5975044025
## 34	-0.2366286999	-0.611687407	-0.1349963033
## 35	-0.4619050984	-0.952926541	-0.7471545331
## 36	-1.1317172006	-0.164591170	0.1572003096
## 37	-0.9400542340	-0.385805528	-0.2379342794
## 38	-0.8163636482	-0.428935015	-0.0064387192
## 39	-0.2104052528	0.320438424	-0.4083496748
## 40	-1.0054885990	0.368058009	-0.0841791579
## 41	-0.3672937367	-0.437482564	0.2627981690
## 42	-0.5689417380	0.102120695	-0.2122697385
## 43	0.5199933190	-1.163838299	-0.8962826436
## 44	-0.0186933999	0.225082644	0.8786218488
## 45	-0.4587682250	-1.248154932	-0.4661400857
## 46	0.7183740833	-1.142041372	-0.6906584171
## 47	0.0164721734	0.762117703	-0.1024392900
## 48	0.0187331666	-0.600947897	-0.8807929168
## 49	-1.3394596988	0.495344178	-0.0682873014
## 50	-0.5371656176	0.634527847	-0.0483106577
## 51	-1.0681160733	0.056617637	-0.3097912686
## 52	-0.8600721093	0.324088552	-0.4512924920
## 53	-0.1063017935	-1.149839798	-0.9128651206
## 54	-0.5480998621	0.203322568	-0.0492740653
## 55	0.1021862214	-0.795121984	-0.3902355928

## 56	-0.6231852052	1.183902626	0.4692650040
## 57	-0.1710639713	-0.850764424	-0.8755185211
## 58	-0.5388888610	0.132731289	-0.8209833470
## 59	0.5565562268	0.249690656	0.4882043957
## 60	0.2849029879	-0.600884976	-0.8104262310
## 61	0.5169745876	-1.214016898	-1.3858868955
## 62	-0.4982235746	-0.632444301	-0.7601789106
## 63	-0.6075863891	-1.789735789	-1.9400623993
## 64	0.4020061395	-1.380799490	-1.3315376498
## 65	-0.0176912300	-0.587491551	0.1851824964
## 66	-0.2706821090	-0.776705399	-1.4499878848
## 67	-0.5878851945	-0.471811539	-0.6944168716
## 68	0.3724380520	-0.708167112	-0.7133248081
## 69	-0.7070130553	-0.524072454	-0.1715483658
## 70	-1.8216582528	-0.655493922	-0.8187366331
## 71	-1.1544697176	-0.362630020	-0.4282653788
## 72	-0.4844294792	-1.301663807	-1.0375163973
## 73	-0.5653037796	-1.263922258	-1.0860315241
## 74	-0.3885144818	-0.303128798	-0.6178497645
## 75	0.6223205746	-0.892822098	-0.8682212987
## 76	-1.9226411341	0.002310783	-0.0729862554
## 77	-0.1573839441	0.557508694	0.2053253028
## 78	-1.0594998560	-0.430810586	-0.4586784451
## 79	-0.7546772359	-0.524105518	-0.1715910652
## 80	0.2817335235	-1.484835791	-1.5521055948
## 81	-0.4904017603	0.117614865	-0.0385378419
## 82	0.3156769384	-1.013687285	-0.8744680908
## 83	-0.3352731846	-0.483429794	0.3703460216
## 84	-0.4852809163	-0.017446074	-0.2886372351
## 85	-0.0055348269	0.225091772	0.8786336368
## 86	-0.8074011527	-0.428928798	-0.0064306903
## 87	-0.5741562809	-1.265476352	-0.6664325826
## 88	-0.4181721942	0.039400142	-0.0638850607
## 89	-0.3890237145	0.131669928	-0.1540034119
## 90	-0.3565957762	-0.155259312	-0.6705515768
## 91	-0.3755962667	-0.498967245	-0.6807480107
## 92	-0.4197610002	-0.567907588	-1.0580695228
## 93	-1.1756049115	-0.430891127	-0.4587824565
## 94	0.1933714655	-1.227331559	-0.9827967983
## 95	-0.7072045268	-0.345216836	0.0682446480
## 96	-0.4706190884	-0.902587090	-1.0220848877
## 97	-1.2547722639	-0.598378598	-0.6619651505
## 98	-0.4656082386	-0.902583614	-1.0220803988
## 99	-0.4847798313	-0.632434975	-0.7601668672
## 100	-0.4148357016	-0.483484986	0.3702747464
## 101	-0.0850973439	0.225036580	0.8785623616
## 102	-0.4279494620	-0.567913268	-1.0580768584
## 103	-0.4058691322	-0.567897951	-1.0580570780
## 104	0.1983823153	-1.227328083	-0.9827923094
## 105	-0.3940549336	-0.567889756	-1.0580464944
## 106	0.7969303565	-0.091466372	0.3135111316
## 107	0.1554886265	0.121870207	-0.1175487113
## 108	1.1077211838	-0.192900712	-0.1642258778
## 109	0.9088963686	1.629484148	0.0407445774

## 110	-1.0817309188	-0.164556495	0.1572450892
## 111	-0.9555023172	0.368092684	-0.0841343783
## 112	-0.3173074549	-0.437447889	0.2628429486
## 113	-0.4112058909	-0.567901653	-1.0580618588
## 114	-0.4891796018	0.039350885	-0.0639486718
## 115	-2.0530047052	0.002220352	-0.0731030400
## 116	-0.0765422346	0.225042515	0.8785700256
## 117	0.0004089371	-0.529299923	-0.6705369970
## 118	0.2120093823	-0.218656647	-0.7381929143
## 119	0.6018616417	-1.142122195	-0.6907627934
## 120	-0.5476598850	-0.155391851	-0.6707227393
## 121	-0.5666603755	-0.499099784	-0.6809191732
## 122	-0.6108251091	-0.568040127	-1.0582406853
## 123	-1.3666690204	-0.431023666	-0.4589536190
## 124	0.0023073566	-1.227464098	-0.9829679608
## 125	-0.8982686356	-0.345349375	0.0680734855
## 126	-0.6616831973	-0.902719629	-1.0222560501
## 127	-1.4458363728	-0.598511137	-0.6621363130
## 128	-0.6566723475	-0.902716153	-1.0222515612
## 129	-0.6758439402	-0.632567514	-0.7603380297
## 130	-0.6058998104	-0.483617525	0.3701035839
## 131	-0.2761614528	0.224904041	0.8783911991
## 132	-0.6190135709	-0.568045807	-1.0582480208
## 133	-0.5969332411	-0.568030490	-1.0582282404
## 134	0.0073182064	-1.227460622	-0.9829634719
## 135	-0.5851190424	-0.568022295	-1.0582176568
## 136	0.6058662476	-0.091598911	0.3133399691
## 137	-0.0355754824	0.121737668	-0.1177198738
## 138	0.9166570749	-0.193033251	-0.1643970403
## 139	0.7178322597	1.629351609	0.0405734149
## 140	-1.2727950277	-0.164689034	0.1570739267
## 141	-1.1465664261	0.367960145	-0.0843055407
## 142	-0.5083715638	-0.437580428	0.2626717861
## 143	-0.6022699998	-0.568034193	-1.0582330213
## 144	-0.6802437107	0.039218346	-0.0641198343
## 145	-0.2676063435	0.224909976	0.8783988631
## 146	-0.1906551718	-0.529432462	-0.6707081594
## 147	0.0209452734	-0.218789186	-0.7383640768
## 148	-0.6803577788	2.951911084	2.0356108113
## 149	0.9242303837	3.230278422	2.0755640987
## 150	-0.1376705278	2.074458002	1.5526028769
## 151	0.2784174002	2.609399832	1.2696004302
## 152	1.7859580317	-0.338456868	0.3464551729
## 153	0.9023618946	2.367867864	2.0736372835
## 154	2.2029340616	0.370978759	1.3917142285
## 155	0.7521912084	4.329027980	3.1107154221
## 156	1.6564336761	0.259693879	0.4211483719
## 157	0.9207838967	2.226685305	0.5302187202
## 158	3.1116740725	2.460604040	3.1485942055
## 159	2.5683675945	0.759452776	0.5513329521
## 160	3.0325107939	-0.466811068	-0.5995883769
## 161	1.0021144697	0.696334126	0.6518275929
## 162	0.7833888405	-1.618248849	-1.7079393844
## 163	2.8025738977	-0.800376252	-0.4908898854

## 164	1.9631791589	0.786239625	2.5425504070
## 165	1.4571974009	0.407811930	-0.7277903555
## 166	0.8227912299	1.017599650	0.7833516710
## 167	2.7434377228	0.544888503	0.7455357980
## 168	0.5845355083	0.913077821	1.8290886824
## 169	-1.6447548869	0.650234883	0.5347121479
## 170	-0.3103778164	1.235962689	1.3156546566
## 171	1.0297026604	-0.642104887	0.0971526195
## 172	0.8679540596	-0.566621787	0.0001223658
## 173	1.2215326552	1.354965132	0.9364858852
## 174	3.2432027680	0.175578533	0.4357428167
## 175	-1.8467206494	1.965844295	2.0262129033
## 176	1.6837937306	3.076240116	2.5828360196
## 177	-0.1204380933	1.099601555	1.2548285238
## 178	0.4892071469	0.913011693	1.8290032837
## 179	2.5620286659	-1.008448854	-0.9320257755
## 180	1.0177580982	2.196452459	2.0951097304
## 181	2.6299154955	-0.066151843	0.4232492326
## 182	1.3280152497	0.994363140	2.9128774572
## 183	1.0279997862	1.926330580	1.5949109440
## 184	1.9874919649	2.411406272	3.9294526877
## 185	0.3837593134	1.103365132	2.1593240336
## 186	0.8502490571	-0.569729977	0.8393202489
## 187	1.1622172304	2.040023013	2.0444152928
## 188	1.2205141898	2.224562584	1.8641785903
## 189	1.2853700665	1.650704103	0.8310822606
## 190	1.2473690855	0.963288238	0.8106893928
## 191	1.1590396184	0.825407552	0.0560463685
## 192	-0.3526482043	1.099440474	1.2546205012
## 193	2.3853045498	-0.493440390	0.2065918176
## 194	0.5841525653	1.270789055	2.3086747102
## 195	1.0573234420	0.156048549	0.1280156388
## 196	-0.5109829091	0.764465532	0.8482551131
## 197	1.0673451415	0.156055501	0.1280246166
##	Shade_cooc.L.PET Prominence_cooc.L.PET	IC1_.L.PET	IC2_.L.PET
## 1	0.16716574	0.030988147	0.287089581 -0.338837682
## 2	-0.24806490	-0.097873695	0.071375186 -0.270078352
## 3	-1.06917579	-0.104902419	0.483116765 -0.427085611
## 4	-0.41771561	-0.991462967	0.856531650 -0.716313057
## 5	0.72719443	-0.215320568	0.511658998 -0.512265708
## 6	-0.36006082	-0.283377917	0.457667029 -0.424107679
## 7	-0.01704323	-0.319160462	0.662549233 -0.548279021
## 8	0.19053354	-0.113129725	0.320110023 -0.366599876
## 9	-0.23194778	0.356694199	-0.813501658 -0.012804680
## 10	0.90522413	0.208364160	-0.423221676 -0.132711399
## 11	-1.13647539	-0.909684732	0.826198133 -0.666095569
## 12	-1.01442450	-0.458189524	0.416805500 -0.400416262
## 13	-1.03688585	-0.433750718	1.103694889 -0.879335176
## 14	0.75913522	0.662663809	-0.817033528 -0.126339748
## 15	-0.42864651	-0.685448827	1.192802763 -0.996915737
## 16	-0.44429564	-0.886611080	-0.008556588 -0.250876309
## 17	-0.56125618	-0.781949583	0.537446712 -0.480997420
## 18	0.44569176	-0.377749669	0.746114269 -0.622482910
## 19	-0.39972552	-0.606249711	0.945217051 -0.756385910

## 20	-0.20979344	-0.287726242	0.581096558	-0.494715574
## 21	0.36043274	-0.149873205	0.629004926	-0.530130491
## 22	0.08414563	0.991579811	-0.957311256	-0.052040341
## 23	-1.05630972	0.233951834	0.934418657	-0.707811903
## 24	-0.43098988	-0.986686876	1.305433899	-1.154791090
## 25	-0.42600876	1.023456483	-1.285606091	0.049608282
## 26	0.75899345	-0.351010219	0.655772776	-0.622230066
## 27	1.07593695	0.811245885	-0.789488329	-0.060496545
## 28	-0.10055944	-0.492121753	0.940265675	-0.753599015
## 29	-0.41065074	-0.301476067	-0.130938387	-0.199226042
## 30	-0.37381038	-0.467455505	0.953328521	-0.744578128
## 31	1.03514228	1.522980272	-0.469457053	-0.086053383
## 32	1.40141040	0.857113110	0.216063525	-0.307715482
## 33	-0.84967563	-0.681425164	0.993547891	-0.787524966
## 34	0.06877956	-0.051588546	0.392944260	-0.400812383
## 35	0.34248753	-0.370560501	0.820249722	-0.677779738
## 36	-0.21641280	0.270853803	-1.176388532	0.024500943
## 37	-0.10478159	-0.258841384	0.802776264	-0.630896973
## 38	0.94004535	0.463795892	-0.336378254	-0.151469562
## 39	-0.86469568	-0.437041832	0.874072703	-0.680271650
## 40	-0.78021183	-0.107174679	0.217145055	-0.291213243
## 41	1.31559937	0.842506627	0.532360145	-0.461727952
## 42	-0.47637247	-0.168858570	0.363962655	-0.370954399
## 43	0.10539123	-0.715320332	0.347705918	-0.422570953
## 44	1.03514208	1.522980270	-0.486862915	-0.088947034
## 45	1.48926819	0.234570310	0.197221257	-0.285487747
## 46	0.33488221	-0.564523633	0.278403549	-0.254219459
## 47	-1.38461199	-0.235042294	0.542719168	-0.306114141
## 48	-0.94129579	-1.033958716	1.115524116	-0.687685577
## 49	-1.01606732	-0.047660512	-0.392482586	-0.003761319
## 50	-1.83874342	-0.226099366	0.994088656	-0.557993822
## 51	-0.93769207	-0.395909437	1.186685363	-0.706533640
## 52	-0.87221997	-0.503572010	0.660572062	-0.371541558
## 53	-0.02623272	-0.796150966	0.811276409	-0.515704377
## 54	0.38578365	0.005623865	0.199553305	-0.186527690
## 55	0.63531984	-0.031833941	0.792789017	-0.470931448
## 56	-1.52536613	0.500714195	-0.787190079	0.041351544
## 57	-0.26818585	-0.804913909	1.180297581	-0.745710304
## 58	-1.31041133	-0.915767224	1.333384672	-0.871339709
## 59	0.60226615	0.797020282	0.281343957	-0.193017335
## 60	-0.36084150	-0.803104347	0.832535219	-0.489341249
## 61	-0.91314037	-1.367269546	0.720292757	-0.484200102
## 62	-0.55960627	-0.827791971	1.234881012	-0.781962414
## 63	-1.02911545	-1.609625351	1.557700605	-1.312464170
## 64	-0.42464944	-1.179567391	0.941262710	-0.622898696
## 65	1.06872572	0.475616571	-0.097258889	-0.117144680
## 66	-1.27492625	-1.453211066	1.279358904	-0.878986814
## 67	-0.46131299	-0.768327319	0.376484737	-0.265552457
## 68	-0.37969749	-0.807158095	1.029998808	-0.617934540
## 69	0.26535278	-0.108442532	0.601561120	-0.351406803
## 70	-0.44703481	-0.806684423	0.265780075	-0.233829052
## 71	-0.41147491	-0.483535391	1.291678198	-0.745401273
## 72	0.29453419	-0.651908966	1.218472185	-0.759523976
## 73	-0.21208301	-0.845975599	0.618409319	-0.399778535

## 74	-0.96436147	-0.819316391	1.006188265	-0.547526110
## 75	-0.17613273	-0.772961649	0.760647319	-0.421228074
## 76	-0.81713027	-0.095130987	-1.341980805	0.087863473
## 77	0.06016696	0.299701789	-1.262336312	0.126461407
## 78	-0.48421160	-0.466231754	0.653491425	-0.338596076
## 79	0.26535054	-0.108442555	0.403844048	-0.384276432
## 80	-0.74522116	-1.419067718	0.646055911	-0.613551923
## 81	0.13632615	0.129208773	0.767373079	-0.559331083
## 82	0.09489740	-0.667763844	0.506876611	-0.466503881
## 83	1.07593737	0.811245889	-0.752310759	-0.054315931
## 84	-0.41065032	-0.301476062	-0.093760817	-0.193045428
## 85	1.03514270	1.522980276	-0.432279484	-0.079872769
## 86	0.94004577	0.463795896	-0.299200685	-0.145288949
## 87	1.15443417	0.154811460	0.331161900	-0.412673543
## 88	-0.61377349	-0.170393293	1.090344762	-0.821417205
## 89	-0.63582413	-0.301894619	1.035693735	-0.771511557
## 90	-1.02790221	-0.774899815	0.679735409	-0.825131192
## 91	-0.48335214	-0.770682482	0.824457547	-0.964630457
## 92	-0.81084943	-1.120080324	0.834022321	-0.994019276
## 93	-0.48421706	-0.466231810	0.171872915	-0.418663120
## 94	0.10535205	-0.812773693	0.431659629	-0.707839997
## 95	0.38367252	0.183564440	0.017417014	-0.392165142
## 96	-0.58718061	-1.073724413	0.917198683	-1.118522124
## 97	-0.11964445	-0.598703757	0.831588880	-0.968572003
## 98	-0.58718037	-1.073724411	0.937984324	-1.115066599
## 99	-0.55960564	-0.827791965	1.290647366	-0.772691493
## 100	1.07593363	0.811245850	-1.082346181	-0.109182926
## 101	1.03513896	1.522980237	-0.762314905	-0.134739764
## 102	-0.81084981	-1.120080328	0.800055542	-0.999666110
## 103	-0.81084877	-1.120080318	0.891647554	-0.984439325
## 104	0.10535228	-0.812773691	0.452445270	-0.704384472
## 105	-0.81084822	-1.120080312	0.940654349	-0.976292152
## 106	1.01310691	0.618421645	-0.133050748	-0.195169312
## 107	-0.36457171	-0.054128428	0.029127948	-0.139678637
## 108	-0.21368406	-0.193278197	0.034146920	-0.132882771
## 109	-1.20844163	0.007210034	-0.380991337	-0.021255265
## 110	-0.21641045	0.270853827	-0.969039089	0.058971912
## 111	-0.78020948	-0.107174655	0.424494498	-0.256742273
## 112	1.31560172	0.842506651	0.739709588	-0.427256982
## 113	-0.81084902	-1.120080320	0.869510001	-0.988119599
## 114	-0.61377683	-0.170393327	0.795797021	-0.870384523
## 115	-0.81713640	-0.095131050	-1.882745448	-0.002036365
## 116	1.03513937	1.522980241	-0.726827226	-0.128840087
## 117	-0.56125910	-0.781949613	0.280076540	-0.523784125
## 118	-1.13647830	-0.909684762	0.568827961	-0.708882273
## 119	0.33487674	-0.564523689	-0.204904850	-0.334567440
## 120	-1.02791119	-0.774899906	-0.112822771	-0.956890643
## 121	-0.48336112	-0.770682574	0.031899367	-1.096389908
## 122	-0.81085840	-1.120080416	0.041464141	-1.125778727
## 123	-0.48422604	-0.466231901	-0.620685265	-0.550422570
## 124	0.10534307	-0.812773784	-0.360898551	-0.839599448
## 125	0.38366354	0.183564349	-0.775141167	-0.523924593
## 126	-0.58718959	-1.073724505	0.124640503	-1.250281575
## 127	-0.11965343	-0.598703848	0.039030700	-1.100331454

## 128	-0.58718935	-1.073724502	0.145426144	-1.246826050
## 129	-0.55961462	-0.827792056	0.498089186	-0.904450943
## 130	1.07592465	0.811245759	-1.874904361	-0.240942377
## 131	1.03512998	1.522980145	-1.554873085	-0.266499215
## 132	-0.81085879	-1.120080420	0.007497362	-1.131425561
## 133	-0.81085775	-1.120080409	0.099089374	-1.116198775
## 134	0.10534330	-0.812773782	-0.340112910	-0.836143923
## 135	-0.81085720	-1.120080403	0.148096169	-1.108051603
## 136	1.01309793	0.618421554	-0.925608929	-0.326928763
## 137	-0.36458069	-0.054128519	-0.763430232	-0.271438087
## 138	-0.21369304	-0.193278289	-0.758411260	-0.264642222
## 139	-1.20845061	0.007209943	-1.173549517	-0.153014716
## 140	-0.21641943	0.270853735	-1.761597269	-0.072787538
## 141	-0.78021846	-0.107174747	-0.368063683	-0.388501724
## 142	1.31559274	0.842506559	-0.052848592	-0.559016433
## 143	-0.81085800	-1.120080412	0.076951821	-1.119879050
## 144	-0.61378581	-0.170393418	0.003238841	-1.002143974
## 145	1.03513039	1.522980149	-1.519385406	-0.260599538
## 146	-0.56126807	-0.781949704	-0.512481640	-0.655543575
## 147	-1.13648728	-0.909684853	-0.223730220	-0.840641724
## 148	-0.88578257	1.569728724	-2.490987379	2.549514896
## 149	-2.53113477	1.212851016	0.282155104	1.441049888
## 150	-0.72903206	0.873230875	0.667348519	1.143970253
## 151	-0.59808788	0.657905728	-0.384878083	1.813954418
## 152	1.09388662	0.072747817	-0.083469390	1.525628780
## 153	1.91791937	1.676297479	-1.306915598	2.183982153
## 154	2.41699176	1.601381867	-0.120444173	1.615174637
## 155	-1.90438019	2.666478139	-3.280402365	2.639740621
## 156	0.60998038	0.055221931	0.654572954	1.065616925
## 157	-1.47447060	-0.166484699	0.960747136	0.814358114
## 158	2.35088437	3.259090313	-1.143334293	2.171002863
## 159	0.42466907	0.058841055	-0.040951770	1.578355035
## 160	-0.67992867	-1.069489343	-0.265436693	1.588637329
## 161	0.02713952	0.009465806	0.763739817	0.993112705
## 162	-0.91187883	-1.554200953	1.409379003	-0.067890806
## 163	0.29705319	-0.694085033	0.176503212	1.311240140
## 164	3.28380350	2.616282892	-1.900539985	2.322748172
## 165	-1.40350042	-1.241372383	0.852695600	0.799063904
## 166	0.22372608	0.128395110	-0.953052734	2.025932618
## 167	0.38695709	0.050733560	0.353975408	1.321168453
## 168	1.67705762	1.448164684	-0.502899967	1.854223926
## 169	0.25228245	0.051680903	-1.174462058	2.089379429
## 170	0.32340226	0.697978966	0.877334189	1.066234986
## 171	1.73542046	0.361231816	0.730922162	1.037989581
## 172	0.72218605	-0.026901449	-0.469203570	1.757480463
## 173	-0.78237087	0.026416967	0.306354322	1.461985313
## 174	0.79408661	0.119126451	-0.184727570	1.714581384
## 175	-0.48790847	1.474787775	-4.389983817	2.732764479
## 176	1.26668600	2.264453330	-4.230694832	2.809960346
## 177	0.17792887	0.732586241	-0.399039357	1.879845380
## 178	1.67705314	1.448164639	-0.898334112	1.788484670
## 179	-0.34409026	-1.173085687	-0.413910385	1.329933688
## 180	1.41900437	1.923467294	-0.171276049	1.438375368
## 181	1.33614687	0.329522061	-0.692268985	1.624029771

## 182	3.29822681	3.287541525	-3.210643726	2.448405671
## 183	0.32505143	1.062097624	-1.893543842	2.170946676
## 184	3.21663748	4.711010298	-2.570581175	2.397291994
## 185	3.02644362	2.592641539	-2.304423577	2.266459636
## 186	3.45522042	1.974672668	-1.043698408	1.731690447
## 187	-0.08119491	1.324263163	0.474667317	0.914203122
## 188	-0.12529619	1.061260511	0.365365264	1.014014418
## 189	-0.90945235	0.115250120	-0.346551389	0.906775148
## 190	0.17964779	0.123684785	-0.057107114	0.627776618
## 191	-0.47534678	-0.575110900	-0.037977565	0.568998980
## 192	0.17791796	0.732586130	-1.362276378	1.719711293
## 193	1.35705616	0.039502363	-0.842702949	1.141357539
## 194	1.91369710	2.032178630	-1.671188180	1.772707248
## 195	-0.02800914	-0.482399078	0.128375159	0.319993284
## 196	0.90706318	0.467642236	-0.042844446	0.619893526
## 197	-0.02800867	-0.482399073	0.169946441	0.326904334
##	Coarseness_vdif_.L.PET	Contrast_vdif_.L.PET	Busyness_vdif_.L.PET	
## 1	0.006376387	-0.200281079	-0.53701154	
## 2	0.002781345	0.048455878	-0.55885157	
## 3	0.062882324	-0.203991733	-0.62797866	
## 4	-0.265687089	-0.564219302	0.39305873	
## 5	0.091004827	-0.285421012	-0.55352941	
## 6	0.056388055	-0.264533253	-0.59196957	
## 7	-0.096430208	-0.152905737	-0.44540771	
## 8	0.048270219	-0.016353073	-0.54972135	
## 9	0.658905440	-0.258259597	-0.72748804	
## 10	0.279454591	0.111262164	-0.64601672	
## 11	-0.296882773	-0.524841892	0.88825680	
## 12	0.028700436	-0.252825177	-0.60279667	
## 13	-0.200512463	-0.242339056	-0.27132418	
## 14	0.658760479	6.003775066	-0.74061521	
## 15	-0.281632838	-0.403041251	0.73539487	
## 16	0.298821429	-0.333073724	-0.68523067	
## 17	-0.237825516	-0.441100516	0.02207982	
## 18	-0.267600579	-0.506718166	0.86777549	
## 19	-0.131104965	-0.320265836	-0.39865987	
## 20	-0.082310972	-0.411378134	-0.46669938	
## 21	-0.075700734	-0.329528983	-0.42733310	
## 22	0.584134372	3.602909378	-0.74694269	
## 23	-0.159111499	0.035186894	-0.37171398	
## 24	-0.246813120	-0.419004543	0.18671020	
## 25	0.936071556	0.109647310	-0.75691679	
## 26	-0.188393693	-0.531685048	0.08689313	
## 27	0.481443747	0.350592454	-0.70587345	
## 28	-0.138295048	-0.412834201	-0.40987387	
## 29	0.392002589	-0.140784914	-0.70932813	
## 30	-0.165199876	-0.324597901	-0.33623498	
## 31	0.223673461	0.019392569	-0.65125357	
## 32	-0.141078306	-0.416617123	-0.11423377	
## 33	-0.170940346	-0.365397278	-0.37150378	
## 34	-0.083760585	-0.212442109	-0.37643903	
## 35	-0.164967938	-0.420691157	-0.18613009	
## 36	0.370142417	0.726752778	-0.70322303	
## 37	-0.104316106	-0.078878935	-0.35458073	

## 38	0.406527717	0.284323366	-0.69369677
## 39	-0.165199876	-0.339666992	-0.39801707
## 40	0.066999226	-0.017610654	-0.61300838
## 41	-0.131539849	-0.156452005	-0.19650022
## 42	0.045834868	-0.163227981	-0.60672964
## 43	-0.210543789	-0.581022338	0.11223354
## 44	0.193811422	0.018868364	-0.65439142
## 45	0.694333996	-0.004369661	-0.59800155
## 46	0.148989370	-0.552178381	0.57488329
## 47	0.538297591	-0.303855189	-0.63113479
## 48	0.103007627	-0.499562014	0.69343301
## 49	0.612198891	0.180143113	-0.63307842
## 50	0.302822362	-0.036208708	-0.50658660
## 51	0.236024169	-0.075765264	-0.32177651
## 52	0.471470405	-0.103850906	-0.60572431
## 53	0.362923341	-0.412295237	-0.42018002
## 54	0.417457804	-0.137522124	-0.54466728
## 55	0.337526111	-0.367671205	-0.38552356
## 56	1.002956726	0.485011149	-0.70825577
## 57	0.216628339	-0.455721234	-0.19862969
## 58	0.193956383	-0.366130655	-0.34364700
## 59	0.482226538	-0.353434224	-0.54055457
## 60	0.133304551	-0.521980653	0.20183585
## 61	0.184272964	-0.593121787	-0.13424288
## 62	0.246142472	-0.364919387	-0.31903165
## 63	0.138523160	-0.624166385	0.89627811
## 64	0.091120796	-0.620666940	1.94291790
## 65	0.591237479	-0.067768350	-0.58610210
## 66	0.185577616	-0.534983972	-0.31317027
## 67	0.637683098	-0.236269992	-0.62646153
## 68	0.076653653	-0.510574375	2.92556387
## 69	0.426764323	-0.100668020	-0.49854396
## 70	0.545284729	0.213721195	-0.60939834
## 71	0.313288572	-0.102991313	-0.16316592
## 72	0.336482389	-0.447164999	-0.14187730
## 73	0.707525480	-0.214183689	-0.57085155
## 74	0.458713806	-0.245077132	-0.51417532
## 75	0.234545563	-0.571495562	0.32995143
## 76	1.340194828	4.024390978	-0.70908746
## 77	1.646788098	0.055276640	-0.71204556
## 78	0.518263932	-0.039518320	-0.52896281
## 79	0.087554747	-0.106622573	-0.53418748
## 80	-0.143919549	-0.606832527	0.02744767
## 81	-0.046447532	-0.202533631	-0.38386934
## 82	-0.082050041	-0.548430066	-0.27239349
## 83	0.545226744	0.351712113	-0.69917125
## 84	0.455785587	-0.139665254	-0.70262593
## 85	0.287456458	0.020512228	-0.64455137
## 86	0.470310715	0.285443025	-0.68699457
## 87	0.070913183	-0.286943240	-0.42929501
## 88	-0.139773654	-0.216035707	-0.09485223
## 89	-0.110346498	-0.222492581	-0.26905457
## 90	-0.711965124	-0.420085523	-0.21756340
## 91	-0.746465927	-0.443361719	0.18692954

## 92	-0.765861756	-0.512110345	0.31357064
## 93	-0.308015805	-0.054023001	-0.61578675
## 94	-0.783025181	-0.567222534	1.15251842
## 95	-0.554624066	-0.185115290	-0.33752363
## 96	-0.831152352	-0.505368467	1.64528542
## 97	-0.722866218	-0.298516957	0.08523891
## 98	-0.795491858	-0.504742476	1.64903256
## 99	0.341816967	-0.363239897	-0.30897835
## 100	-0.020992318	0.341772590	-0.75866850
## 101	-0.278762603	0.010572705	-0.70404862
## 102	-0.824136222	-0.513133306	0.30744727
## 103	-0.666998111	-0.510374872	0.32395905
## 104	-0.747364687	-0.566596542	1.15626556
## 105	-0.582920523	-0.508898957	0.33279377
## 106	-0.044244119	-0.460558673	-0.49268563
## 107	0.809955175	-0.282938930	-0.67436702
## 108	0.178938386	-0.552899543	-0.24768979
## 109	0.886204849	-0.471640249	-0.69821771
## 110	0.725877588	0.732997425	-0.66584304
## 111	0.422734397	-0.011366007	-0.57562839
## 112	0.224195322	-0.150207358	-0.15912023
## 113	-0.704977986	-0.511041579	0.31996820
## 114	-0.645108946	-0.224906465	-0.14795193
## 115	0.412442141	4.008105021	-0.80657399
## 116	-0.217878833	0.011641471	-0.69765107
## 117	-0.679377811	-0.448851614	-0.02431768
## 118	-0.738435067	-0.532592990	0.84185930
## 119	-0.680189594	-0.566733955	0.48775471
## 120	-2.071702655	-0.443954630	-0.36044210
## 121	-2.106203459	-0.467230826	0.04405085
## 122	-2.125599288	-0.535979451	0.17069194
## 123	-1.667753337	-0.077892108	-0.75866545
## 124	-2.142762713	-0.591091641	1.00963972
## 125	-1.914361598	-0.208984397	-0.48040233
## 126	-2.190889883	-0.529237574	1.50240672
## 127	-2.082603750	-0.322386064	-0.05763979
## 128	-2.155229390	-0.528611582	1.50615386
## 129	-1.017920564	-0.387109004	-0.45185705
## 130	-1.380729850	0.317903483	-0.90154720
## 131	-1.638500135	-0.013296402	-0.84692732
## 132	-2.183873754	-0.537002413	0.16456857
## 133	-2.026735642	-0.534243979	0.18108035
## 134	-2.107102219	-0.590465649	1.01338686
## 135	-1.942658055	-0.532768064	0.18991507
## 136	-1.403981651	-0.484427779	-0.63556433
## 137	-0.549782357	-0.306808037	-0.81724572
## 138	-1.180799146	-0.576768650	-0.39056849
## 139	-0.473532683	-0.495509356	-0.84109641
## 140	-0.633859944	0.709128319	-0.80872174
## 141	-0.937003135	-0.035235114	-0.71850709
## 142	-1.135542210	-0.174076464	-0.30199893
## 143	-2.064715518	-0.534910685	0.17708950
## 144	-2.004846477	-0.248775571	-0.29083063
## 145	-1.577616365	-0.012227636	-0.84052977

## 146	-2.039115342	-0.472720720	-0.16719638
## 147	-2.098172599	-0.556462096	0.69898060
## 148	1.633190723	1.080425249	-0.46295224
## 149	1.014437665	0.647721607	-0.20996859
## 150	0.880841279	0.568608496	0.15965159
## 151	1.351733752	0.512437211	-0.40824402
## 152	1.134639623	-0.104451451	-0.03715544
## 153	1.243708548	0.445094776	-0.28612995
## 154	1.083845163	-0.015203386	0.03215749
## 155	2.414706393	1.690161322	-0.61330694
## 156	0.842049619	-0.191303445	0.40594523
## 157	0.796705707	-0.012122286	0.11591061
## 158	1.373246017	0.013270575	-0.27790452
## 159	0.675402043	-0.323822282	1.20687630
## 160	0.777338869	-0.466104550	0.53471884
## 161	0.901077884	-0.009699750	0.16514130
## 162	0.685839261	-0.528193746	2.59576084
## 163	0.591034533	-0.521194855	4.68904041
## 164	1.591267899	0.584602325	-0.36899959
## 165	0.779948174	-0.349828920	0.17686406
## 166	1.684159136	0.247599040	-0.44971844
## 167	0.562100246	-0.301009727	6.65433235
## 168	1.262321587	0.518802984	-0.19388332
## 169	1.499362398	1.147581413	-0.41559206
## 170	1.035370085	0.514156397	0.47687277
## 171	1.081757720	-0.174190975	0.51945001
## 172	1.823843900	0.291771646	-0.33849849
## 173	1.326220553	0.229984759	-0.22514603
## 174	0.877884067	-0.422852100	1.46310747
## 175	3.089182596	8.768920980	-0.61497030
## 176	3.702369138	0.830692304	-0.62088652
## 177	1.445320804	0.641102383	-0.25472101
## 178	0.583902434	0.506893878	-0.26517034
## 179	0.120953843	-0.493526031	0.85809995
## 180	0.315897877	0.315071762	0.03546594
## 181	0.244692858	-0.376721108	0.25841764
## 182	1.499246429	1.423563250	-0.59513788
## 183	1.320364114	0.440808516	-0.60204724
## 184	0.983705858	0.761163480	-0.48589813
## 185	1.349414370	1.291025074	-0.57078453
## 186	0.550619307	0.146252544	-0.05538542
## 187	0.129245633	0.288067609	0.61350015
## 188	0.188099944	0.275153863	0.26509547
## 189	-1.015137306	-0.120032023	0.36807780
## 190	-1.084138912	-0.166584415	1.17706370
## 191	-1.122930572	-0.304081665	1.43034590
## 192	-0.207238670	0.612093021	-0.42836889
## 193	-1.157257421	-0.414306044	3.10824145
## 194	-0.700455192	0.349908444	0.12815735
## 195	-1.253511762	-0.290597910	4.09377546
## 196	-1.036939495	0.123105109	0.97368242
## 197	-1.182190775	-0.289345928	4.10126973
##	Complexity_vdif_.L.PET	Strength_vdif_.L.PET	SRE_align.L.PET LRE_align.L.PET
## 1	-0.266224144	-0.26986044	-0.5491186 -0.600896138

## 2	0.165898711	-0.08939775	-0.5417070	-0.628650535
## 3	-0.455306007	-0.33357336	-0.5429081	-0.628720218
## 4	-0.908035888	-0.74161019	-0.5790227	-0.480504111
## 5	-0.292413871	0.36980693	-0.5500234	-0.603968346
## 6	-0.458270527	-0.29834594	-0.5507824	-0.600447296
## 7	-0.084917484	-0.47423053	-0.5506661	-0.602841118
## 8	0.171226655	-0.07302543	-0.5404398	-0.638338546
## 9	-0.871465254	0.49313372	-0.5578932	-0.574969899
## 10	0.217493742	0.81459733	-0.5483870	-0.612449198
## 11	-0.952874227	-0.81376710	-0.5745853	-0.503388885
## 12	-0.570210677	-0.36245672	-0.5559536	-0.582009948
## 13	-0.406833993	-0.71618904	-0.5504724	-0.597145543
## 14	1.952844674	3.30600881	-0.5361209	-0.656570943
## 15	-0.470186523	-0.78326467	-0.5556596	-0.577728532
## 16	-0.530643796	0.16492844	-0.5593837	-0.572895799
## 17	-0.716396845	-0.71188748	-0.6893837	0.021272115
## 18	-0.715823923	-0.71665257	-0.5802147	-0.471312081
## 19	-0.315602878	-0.53015477	-0.5524210	-0.587826444
## 20	-0.622570568	-0.46237375	-0.5559901	-0.576074582
## 21	-0.278591544	-0.39769125	-0.5489158	-0.599893930
## 22	1.650545422	1.66479307	-0.5298670	-0.679064261
## 23	-0.031035454	-0.65468569	-0.5440522	-0.624285089
## 24	-0.248008614	-0.71087665	-0.5496610	-0.597991989
## 25	-0.450647769	1.05660025	-0.5475529	-0.615451723
## 26	-0.718275213	-0.28975453	-0.5870497	-0.451200288
## 27	0.039619274	1.74297334	-0.5470401	-0.617298327
## 28	-0.496698212	-0.58878066	-0.5616537	-0.557803244
## 29	-0.402015941	0.31015697	-0.5473523	-0.608344039
## 30	-0.469598864	-0.67241588	-0.5550830	-0.576877988
## 31	-0.104094921	0.36469657	-0.5392045	-0.645481071
## 32	-0.707196696	-0.44664835	-0.5664033	-0.535547669
## 33	-0.635252040	-0.67901927	-0.5537999	-0.583643404
## 34	-0.255366123	-0.31195168	-0.5571980	-0.574930958
## 35	-0.332123388	-0.48008442	-0.5521498	-0.591160989
## 36	0.747489318	0.96838569	-0.5358611	-0.657503467
## 37	0.062162898	-0.47179157	-0.5419691	-0.632700357
## 38	0.206294435	0.83959009	-0.5306647	-0.676197003
## 39	-0.670932470	-0.68173229	-0.5596412	-0.566343532
## 40	-0.014960924	-0.35471322	-0.5443712	-0.622504069
## 41	-0.053744050	-0.45386827	-0.5405013	-0.639555952
## 42	-0.212337865	-0.30408918	-0.5418414	-0.634059179
## 43	-0.986992603	-0.49567597	-0.5931646	-0.411544414
## 44	-0.104095026	0.36467433	-0.5415520	-0.647592061
## 45	-0.241895222	2.31072592	-0.5207962	-0.563293868
## 46	-1.003161283	-0.59171559	-0.5835126	-0.290531388
## 47	-0.752242372	-0.32609237	-0.5137925	-0.591974642
## 48	-0.688883506	-0.78151660	-0.5481227	-0.454786922
## 49	0.249954159	-0.13714482	-0.5002592	-0.644833427
## 50	-0.275665599	-0.57015632	-0.5203882	-0.565140472
## 51	0.028418644	-0.62677784	-0.5114428	-0.606304781
## 52	-0.186140755	-0.35794663	-0.5210150	-0.569688324
## 53	-0.591725471	0.10042630	-0.5395601	-0.502230914
## 54	-0.257785551	-0.22309974	-0.5197091	-0.573924651
## 55	-0.560963881	-0.18169818	-0.5307035	-0.523890084

## 56	0.067346465	0.55128160	-0.5170311	-0.588228147
## 57	-0.586625002	-0.53983526	-0.5321302	-0.519323787
## 58	-0.564090484	-0.70764338	-0.5295229	-0.534522916
## 59	-0.861917434	-0.25926521	-0.5247938	-0.553415254
## 60	-0.803422647	-0.74039895	-0.5531823	-0.432014871
## 61	-1.128624363	-0.54954987	-0.5672056	-0.363221184
## 62	-0.395447665	-0.52569362	-0.5254319	-0.551162848
## 63	-0.991584112	-0.23117804	-0.5782364	-0.318753072
## 64	-1.005723496	-0.74451066	-0.5770126	-0.333394737
## 65	-0.230787934	0.70026890	-0.5244861	-0.550556194
## 66	-0.857203592	-0.64735361	-0.5581097	-0.416063573
## 67	-0.383762565	0.10148863	-0.5209649	-0.574076314
## 68	-0.783216986	-0.81821867	-0.5463495	-0.465194308
## 69	0.052735091	-0.13856298	-0.5086737	-0.613500594
## 70	0.528323975	0.11764994	-0.5108479	-0.606349871
## 71	0.128591262	-0.62921631	-0.5032357	-0.597190632
## 72	-0.381663811	-0.31372731	-0.5222776	-0.531317490
## 73	-0.336867571	1.21743236	-0.5251197	-0.516544658
## 74	-0.347675454	-0.37823334	-0.5152671	-0.553913283
## 75	-1.017356310	-0.70348918	-0.5506411	-0.407222008
## 76	1.542187337	2.32844609	-0.4944452	-0.634630991
## 77	-0.508006695	1.11303201	-0.4989829	-0.618306683
## 78	0.078619004	-0.27633859	-0.5054419	-0.588545820
## 79	0.052733897	-0.13881554	-0.5353392	-0.637479803
## 80	-1.091652422	-0.41801036	-0.6062899	-0.339596539
## 81	-0.280606690	-0.57369163	-0.5402620	-0.613842861
## 82	-0.894030090	-0.45661374	-0.5710755	-0.487503171
## 83	0.039619499	1.74302083	-0.5420261	-0.612789415
## 84	-0.402015716	0.31020446	-0.5423383	-0.603835128
## 85	-0.104094697	0.36474406	-0.5341905	-0.640972160
## 86	0.206294659	0.83963758	-0.5256507	-0.671688092
## 87	-0.263482471	0.48192807	-0.5598897	-0.538123896
## 88	-0.323813190	-0.67881802	-0.5434687	-0.599250385
## 89	-0.383828427	-0.65771791	-0.5441433	-0.599635692
## 90	-0.766692309	-0.72086833	-0.6028188	-0.584362780
## 91	-0.764765640	-0.75372052	-0.5989968	-0.599934920
## 92	-0.943739169	-0.78583112	-0.6096995	-0.556860472
## 93	0.078616097	-0.27695380	-0.5703963	-0.646956714
## 94	-1.254928284	-0.70514972	-0.6233832	-0.512773568
## 95	-0.371560232	-0.39942646	-0.5850282	-0.654742784
## 96	-0.885971863	-0.80859135	-0.6138337	-0.555308996
## 97	-0.145853010	-0.68744079	-0.5856663	-0.648565576
## 98	-0.885971737	-0.80856480	-0.6110304	-0.552788105
## 99	-0.395447328	-0.52562238	-0.5179109	-0.544399481
## 100	0.039617506	1.74259925	-0.5865369	-0.652816249
## 101	-0.104096689	0.36432247	-0.5787014	-0.680998994
## 102	-0.943739374	-0.78587451	-0.6142804	-0.560979977
## 103	-0.943738822	-0.78575751	-0.6019277	-0.549871660
## 104	-1.254928158	-0.70512316	-0.6205799	-0.510252677
## 105	-0.943738526	-0.78569491	-0.5953183	-0.543928095
## 106	-1.070013248	-0.27668358	-0.5694528	-0.549773283
## 107	-0.675310368	0.28557202	-0.5151395	-0.603191583
## 108	-1.239494989	-0.63810509	-0.5545930	-0.433879920
## 109	-1.264432955	0.11101279	-0.5305075	-0.544305204

## 110	0.747490569	0.96865055	-0.5078965	-0.632356040
## 111	-0.014959673	-0.35444836	-0.5164067	-0.597356642
## 112	-0.053742798	-0.45360341	-0.5125367	-0.614408524
## 113	-0.943738955	-0.78578579	-0.6049133	-0.552556511
## 114	-0.323814968	-0.67919427	-0.5831935	-0.634973258
## 115	1.542184073	2.32775532	-0.5673765	-0.700215153
## 116	-0.104096475	0.36436781	-0.5739153	-0.676695033
## 117	-0.716398399	-0.71221624	-0.7240945	-0.009941847
## 118	-0.952875781	-0.81409586	-0.6092960	-0.534602847
## 119	-1.003164200	-0.59233296	-0.6486949	-0.349147233
## 120	-0.766697093	-0.72188073	-0.7097088	-0.680484568
## 121	-0.764770425	-0.75473293	-0.7058867	-0.696056707
## 122	-0.943743954	-0.78684352	-0.7165894	-0.652982259
## 123	0.078611312	-0.27796620	-0.6772862	-0.743078502
## 124	-1.254933068	-0.70616212	-0.7302731	-0.608895356
## 125	-0.371565017	-0.40043886	-0.6919181	-0.750864572
## 126	-0.885976647	-0.80960375	-0.7207237	-0.651430784
## 127	-0.145857795	-0.68845319	-0.6925562	-0.744687363
## 128	-0.885976522	-0.80957720	-0.7179204	-0.648909893
## 129	-0.395452113	-0.52663478	-0.6248008	-0.640521269
## 130	0.039612722	1.74158685	-0.6934269	-0.748938037
## 131	-0.104101473	0.36331007	-0.6855913	-0.777120781
## 132	-0.943744159	-0.78688691	-0.7211704	-0.657101764
## 133	-0.943743606	-0.78676991	-0.7088176	-0.645993447
## 134	-1.254932943	-0.70613557	-0.7274698	-0.606374465
## 135	-0.943743310	-0.78670731	-0.7022082	-0.640049882
## 136	-1.070018032	-0.27769598	-0.6763427	-0.645895071
## 137	-0.675315153	0.28455961	-0.6220294	-0.699313371
## 138	-1.239499773	-0.63911749	-0.6614829	-0.530001708
## 139	-1.264437739	0.11000039	-0.6373974	-0.640426991
## 140	0.747485785	0.96763815	-0.6147864	-0.728477828
## 141	-0.014964457	-0.35546076	-0.6232966	-0.693478430
## 142	-0.053747583	-0.45461581	-0.6194267	-0.710530312
## 143	-0.943743740	-0.78679819	-0.7118033	-0.648678299
## 144	-0.323819753	-0.68020667	-0.6900834	-0.731095046
## 145	-0.104101259	0.36335540	-0.6808052	-0.772816820
## 146	-0.716403183	-0.71322864	-0.8309844	-0.106063635
## 147	-0.952880565	-0.81510826	-0.7161860	-0.630724634
## 148	2.505842726	0.58714494	1.7971243	1.505574920
## 149	1.454603210	-0.27887805	1.7568662	1.664960830
## 150	2.062771696	-0.39212110	1.7747572	1.582632211
## 151	1.633652897	0.14554132	1.7556127	1.655865126
## 152	0.822483465	1.06228719	1.7185226	1.790779946
## 153	1.490363306	0.41523511	1.7582245	1.647392472
## 154	0.884006647	0.49803822	1.7362358	1.747461607
## 155	2.140627338	1.96399778	1.7635804	1.618785481
## 156	0.832684403	-0.21823593	1.7333823	1.756594201
## 157	0.877753439	-0.55385217	1.7385969	1.726195942
## 158	0.282099539	0.34290416	1.7480552	1.688411267
## 159	0.399089114	-0.61936332	1.6912782	1.931212033
## 160	-0.251314319	-0.23766516	1.6632315	2.068799407
## 161	1.215039078	-0.18995265	1.7467789	1.692916079
## 162	0.022766184	0.39907850	1.6411698	2.157735629
## 163	-0.005512584	-0.62758675	1.6436176	2.128452301

## 164	1.544358540	2.26197238	1.7486705	1.694129386
## 165	0.291527224	-0.43327264	1.6814233	1.963114628
## 166	1.238409277	1.06441185	1.7557130	1.647089146
## 167	0.439500437	-0.77500275	1.7049437	1.864853158
## 168	2.111404590	0.58430862	1.7802954	1.568240587
## 169	3.062582358	1.09673447	1.7759469	1.582542033
## 170	2.263116931	-0.39699803	1.7911713	1.600860509
## 171	1.242606785	0.23397995	1.7530874	1.732606794
## 172	1.332199265	3.29629929	1.7474034	1.762152459
## 173	1.310583500	0.10496791	1.7671085	1.687415207
## 174	-0.028778213	-0.54554378	1.6963606	1.980797758
## 175	5.090309083	5.51832676	1.8087523	1.525979792
## 176	0.989921018	3.08749859	1.7996769	1.558628408
## 177	2.163172416	0.30875741	1.7867589	1.618150134
## 178	2.111402203	0.58380350	1.7269644	1.520282168
## 179	-0.177370436	0.02541386	1.5850629	2.116048696
## 180	1.444721027	-0.28594868	1.7171186	1.567556052
## 181	0.217874228	-0.05179289	1.6554917	1.820235432
## 182	2.085173405	4.34747625	1.7135906	1.569662943
## 183	1.201902975	1.48184349	1.7129661	1.587571519
## 184	1.797745015	1.59092269	1.7292617	1.513297455
## 185	2.418523726	2.54070974	1.7463413	1.451865590
## 186	1.478969465	1.82529072	1.6778634	1.718993981
## 187	1.358308027	-0.49620145	1.7107053	1.596741004
## 188	1.238277555	-0.45400124	1.7093560	1.595970390
## 189	0.472549790	-0.58030208	1.5920050	1.626516214
## 190	0.476403127	-0.64600647	1.5996491	1.595371935
## 191	0.118456069	-0.71022766	1.5782438	1.681520831
## 192	2.163166601	0.30752699	1.6568501	1.501328345
## 193	-0.503922160	-0.54886485	1.5508763	1.769694638
## 194	1.262813943	0.06258167	1.6275864	1.485756206
## 195	0.233990682	-0.75574811	1.5699752	1.684623781
## 196	1.714228387	-0.51344700	1.6263101	1.498110622
## 197	0.233990933	-0.75569501	1.5755818	1.689665564
##	GLNU_align.L.PET	RLNU_align.L.PET	RP_align.L.PET	LGRE_align.L.PET
## 1	-0.55187377	-0.546427520	-0.5474571	-0.13637636
## 2	-0.58040901	-0.610852987	-0.5377614	-0.10156232
## 3	-0.56894261	-0.540662457	-0.5385648	-0.53634555
## 4	0.82785196	0.820420966	-0.5874610	-0.39207159
## 5	-0.54513001	-0.611320167	-0.5474295	0.32156720
## 6	-0.55358664	-0.538937212	-0.5485107	-0.39055154
## 7	-0.50104603	-0.497865260	-0.5480424	-0.87639536
## 8	-0.59189339	-0.615095751	-0.5351355	-0.06872597
## 9	-0.63589826	-0.640837984	-0.5573594	-0.43273700
## 10	-0.63685308	-0.679243359	-0.5448358	0.61720869
## 11	1.81315469	2.476363943	-0.5809903	-0.54025191
## 12	-0.54699086	-0.526424857	-0.5550227	-0.61906567
## 13	-0.29997242	-0.104507897	-0.5490409	-0.62859458
## 14	-0.68390425	-0.730528908	-0.5283871	0.67861542
## 15	0.44199577	0.681606198	-0.5557939	-0.99059522
## 16	-0.60577121	-0.635240289	-0.5588445	-0.89917976
## 17	0.08487476	0.212067082	-0.6506573	-0.35042550
## 18	0.56458742	0.525735756	-0.5897426	-0.08132768
## 19	-0.41653620	-0.393081741	-0.5520226	-0.20515452

## 20	-0.42647496	-0.389769975	-0.5562920	-0.25070697
## 21	-0.48441164	-0.481220188	-0.5477073	-0.23052137
## 22	-0.68161700	-0.722511965	-0.5203119	-0.18050683
## 23	-0.48383904	-0.363499973	-0.5401394	-0.35957848
## 24	0.01584024	0.076650939	-0.5483385	-0.41369552
## 25	-0.67032424	-0.694711024	-0.5435549	-0.69284528
## 26	-0.03182997	-0.313595180	-0.5975974	0.77282581
## 27	-0.65030924	-0.697671490	-0.5427952	1.03662798
## 28	-0.36263464	-0.314421648	-0.5632401	-0.58456218
## 29	-0.63421690	-0.658509267	-0.5450079	-0.66983206
## 30	-0.34564601	-0.223427982	-0.5554932	-0.69072048
## 31	-0.62827466	-0.649420432	-0.5326725	-0.19273260
## 32	-0.31077323	-0.312201899	-0.5701974	0.05431632
## 33	-0.29295975	-0.154779081	-0.5537143	-0.68529407
## 34	-0.47407428	-0.503676982	-0.5570977	0.33663694
## 35	-0.31711917	-0.356000679	-0.5512353	-0.02101603
## 36	-0.66423512	-0.700754957	-0.5285615	0.24713381
## 37	-0.51241597	-0.490998460	-0.5371348	-0.35902277
## 38	-0.65160978	-0.685798506	-0.5218774	-0.30302610
## 39	-0.30587530	-0.145868916	-0.5603984	-0.68980518
## 40	-0.60635248	-0.587219383	-0.5406192	-0.50728481
## 41	-0.45652321	-0.458286703	-0.5350276	-0.09832608
## 42	-0.57729590	-0.563077422	-0.5367928	-0.26242606
## 43	0.22252262	-0.010679987	-0.6078784	0.58623563
## 44	-0.62829150	-0.649420982	-0.5350368	-0.20956756
## 45	-0.59963982	-0.687069948	-0.5195659	1.84794222
## 46	0.48727683	0.196343530	-0.6051882	0.68333902
## 47	-0.57577383	-0.543246232	-0.5104097	-0.50726847
## 48	0.89263817	1.129299789	-0.5563058	-0.09718196
## 49	-0.64587812	-0.650046255	-0.4918768	-0.28083011
## 50	-0.51472086	-0.436048988	-0.5193203	-0.29998600
## 51	-0.47431181	-0.390966598	-0.5063468	-0.27855820
## 52	-0.59178957	-0.580237284	-0.5190311	-0.20325854
## 53	-0.43726415	-0.535320601	-0.5426047	0.46987828
## 54	-0.56622764	-0.596811948	-0.5172660	-0.72607390
## 55	-0.44997489	-0.491322610	-0.5331821	0.50632679
## 56	-0.66512947	-0.692688200	-0.5128267	-0.47410524
## 57	-0.22877730	-0.236315043	-0.5350253	0.05720932
## 58	-0.20974495	-0.075865667	-0.5306962	-0.34928137
## 59	-0.52871345	-0.489037807	-0.5242944	-0.31342128
## 60	0.41841756	0.556647110	-0.5635431	-0.21282014
## 61	0.36581625	0.171803483	-0.5836506	0.23945183
## 62	-0.37029033	-0.349893925	-0.5248820	-0.09186996
## 63	1.06697907	-0.068659460	-0.5971452	1.78934676
## 64	2.61568992	1.687974803	-0.5946042	0.37285662
## 65	-0.60187187	-0.651237846	-0.5243679	0.72462553
## 66	0.12061590	0.030537937	-0.5690979	-0.34998419
## 67	-0.60601592	-0.625617541	-0.5180005	-0.42445028
## 68	2.89316748	3.340420689	-0.5534756	-0.01516465
## 69	-0.58095388	-0.597457334	-0.5032159	0.10133980
## 70	-0.62814389	-0.658952412	-0.5053897	0.25177568
## 71	-0.44096016	-0.370351035	-0.4985930	0.01839085
## 72	-0.29491740	-0.418100265	-0.5225109	0.48896880
## 73	-0.58425700	-0.660040438	-0.5267872	1.15064805

## 74	-0.51476639	-0.502714567	-0.5141305	-0.06362645
## 75	0.65148170	0.631148017	-0.5618904	0.06003694
## 76	-0.69054203	-0.730402985	-0.4855874	0.40685343
## 77	-0.67462041	-0.700868493	-0.4918515	-0.61215189
## 78	-0.58346219	-0.584995212	-0.5016092	0.05076954
## 79	-0.58114513	-0.597463587	-0.5300719	-0.08989226
## 80	0.46131128	0.009211950	-0.6249652	0.34116440
## 81	-0.47837817	-0.406698529	-0.5368823	-0.52382557
## 82	-0.15507715	-0.225686161	-0.5783437	-0.11707336
## 83	-0.65027327	-0.697670314	-0.5377453	1.07258614
## 84	-0.63418094	-0.658508091	-0.5399581	-0.63387389
## 85	-0.62823870	-0.649419256	-0.5276227	-0.15677444
## 86	-0.65157382	-0.685797330	-0.5168275	-0.26706794
## 87	-0.50751295	-0.613939154	-0.5626915	0.76349304
## 88	-0.30389810	-0.157996522	-0.5414409	-0.27935909
## 89	-0.36830596	-0.231046037	-0.5420124	-0.43997767
## 90	-0.14866337	0.001307248	-0.6057115	-0.66445468
## 91	0.07855690	0.266242133	-0.6005492	-0.84207166
## 92	0.47655625	0.630824544	-0.6148219	-0.82567801
## 93	-0.58392807	-0.585010444	-0.5670275	-0.41505212
## 94	0.46849676	0.161434377	-0.6323838	0.12347041
## 95	-0.53087507	-0.541086050	-0.5816330	-0.18709371
## 96	1.14591258	1.285647428	-0.6191785	-0.64739090
## 97	-0.28338212	-0.231306392	-0.5831893	-0.99275271
## 98	1.14593269	1.285648085	-0.6163552	-0.62728701
## 99	-0.37023638	-0.349892161	-0.5173073	-0.03793271
## 100	-0.65059253	-0.697680752	-0.5825741	0.75337572
## 101	-0.62855795	-0.649429694	-0.5724515	-0.47598487
## 102	0.47652339	0.630823469	-0.6194356	-0.85853069
## 103	0.47661199	0.630826366	-0.6069946	-0.76994286
## 104	0.46851686	0.161435035	-0.6295605	0.14357429
## 105	0.47665940	0.630827916	-0.6003380	-0.72254346
## 106	-0.44980582	-0.417583869	-0.5725571	-0.85560501
## 107	-0.62395508	-0.634502156	-0.5105887	-0.16739844
## 108	0.07733814	0.291574688	-0.5651636	-0.29841692
## 109	-0.59860170	-0.591201551	-0.5309258	-0.82252350
## 110	-0.66403454	-0.700748399	-0.5003972	0.44768229
## 111	-0.60615191	-0.587212825	-0.5124548	-0.30673633
## 112	-0.45632263	-0.458280146	-0.5068633	0.10222241
## 113	0.47659058	0.630825666	-0.6100016	-0.79135431
## 114	-0.30418302	-0.158005837	-0.5814494	-0.56424581
## 115	-0.69106513	-0.730420088	-0.5590396	-0.11617441
## 116	-0.62852362	-0.649428571	-0.5676312	-0.44166117
## 117	0.08462580	0.212058943	-0.6856160	-0.59935406
## 118	1.81290573	2.476355803	-0.6159489	-0.78918047
## 119	0.48680931	0.196328244	-0.6708360	0.21588289
## 120	-0.14943003	0.001282182	-0.7133648	-1.43101735
## 121	0.07779024	0.266217067	-0.7082025	-1.60863433
## 122	0.47578958	0.630799477	-0.7224752	-1.59224068
## 123	-0.58469473	-0.585035510	-0.6746808	-1.18161480
## 124	0.46773009	0.161409311	-0.7400371	-0.64309226
## 125	-0.53164173	-0.541111117	-0.6892863	-0.95365638
## 126	1.14514592	1.285622362	-0.7268318	-1.41395357
## 127	-0.28414878	-0.231331458	-0.6908426	-1.75931538

## 128	1.14516602	1.285623019	-0.7240085	-1.39384968
## 129	-0.37100305	-0.349917228	-0.6249606	-0.80449538
## 130	-0.65135919	-0.697705818	-0.6902274	-0.01318696
## 131	-0.62932461	-0.649454760	-0.6801048	-1.24254754
## 132	0.47575673	0.630798403	-0.7270889	-1.62509337
## 133	0.47584533	0.630801300	-0.7146479	-1.53650553
## 134	0.46775020	0.161409969	-0.7372138	-0.62298838
## 135	0.47589273	0.630802850	-0.7079913	-1.48910613
## 136	-0.45057248	-0.417608935	-0.6802104	-1.62216768
## 137	-0.62472174	-0.634527222	-0.6182420	-0.93396112
## 138	0.07657148	0.291549622	-0.6728169	-1.06497959
## 139	-0.59936837	-0.591226618	-0.6385791	-1.58908617
## 140	-0.66480121	-0.700773465	-0.6080505	-0.31888038
## 141	-0.60691857	-0.587237891	-0.6201081	-1.07329900
## 142	-0.45708930	-0.458305212	-0.6145166	-0.66434027
## 143	0.47582391	0.630800600	-0.7176549	-1.55791698
## 144	-0.30494968	-0.158030904	-0.6891027	-1.33080849
## 145	-0.62929028	-0.649453638	-0.6752845	-1.20822384
## 146	0.08385914	0.212033876	-0.7932693	-1.36591673
## 147	1.81213907	2.476330736	-0.7236022	-1.55574314
## 148	-0.57376461	-0.548489629	1.8156751	0.61578671
## 149	-0.31145008	-0.120495093	1.7607880	0.57747492
## 150	-0.23063199	-0.030330315	1.7867349	0.62033051
## 151	-0.46558750	-0.408871686	1.7613664	0.77092984
## 152	-0.15653666	-0.319038320	1.7142193	2.11720349
## 153	-0.41446364	-0.442021013	1.7648967	-0.27470087
## 154	-0.18195815	-0.231042338	1.7330644	2.19010049
## 155	-0.61226730	-0.633773519	1.7737752	0.22923645
## 156	0.26043704	0.278972796	1.7293780	1.29186556
## 157	0.29850173	0.599871548	1.7380362	0.47888417
## 158	-0.33943527	-0.226472732	1.7508398	0.55060436
## 159	1.55482675	1.864897101	1.6723424	0.75180663
## 160	1.44962413	1.095209848	1.6321274	1.65635059
## 161	-0.02258902	0.051815031	1.7496646	0.99370701
## 162	2.85194977	0.614283962	1.6051383	4.75614043
## 163	5.94937148	4.127552489	1.6102203	1.92316016
## 164	-0.48575210	-0.550872811	1.7506929	2.62669798
## 165	0.95922343	0.812678756	1.6612328	0.47747853
## 166	-0.49404020	-0.499632200	1.7634277	0.32854636
## 167	6.50432660	7.432444263	1.6924775	1.14711761
## 168	-0.44391612	-0.443311786	1.7929967	1.38012651
## 169	-0.53829613	-0.566301942	1.7886493	1.68099827
## 170	-0.16392869	0.010900811	1.8022425	1.21422862
## 171	0.12815683	-0.084597649	1.7544068	2.15538452
## 172	-0.45052236	-0.568477993	1.7458542	3.47874301
## 173	-0.31154114	-0.253826253	1.7711677	1.05019401
## 174	2.02095504	2.013898916	1.6756478	1.29752080
## 175	-0.66309243	-0.709203089	1.8282538	1.99115378
## 176	-0.63124918	-0.650134104	1.8157256	-0.04685687
## 177	-0.44893274	-0.418387541	1.7962103	1.27898600
## 178	-0.44429863	-0.443324293	1.7392848	0.99766240
## 179	1.64061420	0.770026781	1.5494983	1.85977572
## 180	-0.23876469	-0.061794176	1.7256641	0.12979578
## 181	0.40783733	0.300230560	1.6427412	0.94330020

## 182	-0.58255491	-0.643737746	1.7239379	3.32261920
## 183	-0.55037024	-0.565413301	1.7195125	-0.09030087
## 184	-0.53848576	-0.547235630	1.7441832	0.86389804
## 185	-0.58515601	-0.619991778	1.7657735	0.64331105
## 186	-0.29703427	-0.476275426	1.6740456	2.70443299
## 187	0.11019545	0.435609839	1.7165468	0.61872874
## 188	-0.01862029	0.289510807	1.7154037	0.29749158
## 189	0.42066489	0.754217378	1.5880056	-0.15146244
## 190	0.87510545	1.284087147	1.5983302	-0.50669641
## 191	1.67110413	2.013251969	1.5697848	-0.47390910
## 192	-0.44986450	-0.418418006	1.6653736	0.34734267
## 193	1.65498515	1.074471637	1.5346610	1.42438774
## 194	-0.34375850	-0.330569219	1.6361626	0.80325950
## 195	3.00981680	3.322897738	1.5610716	-0.11733487
## 196	0.15122740	0.288990099	1.6330501	-0.80805851
## 197	3.00985701	3.322899053	1.5667182	-0.07712711
##	HGRE_align.L.PET	LGSRE_align.L.PET	HGSRE_align.L.PET	LGHRE_align.L.PET
## 1	-0.292789053	-0.13092274	-0.289280954	-0.15862713
## 2	-0.378853724	-0.10209412	-0.364833121	-0.10431410
## 3	0.255085789	-0.52814122	0.254355341	-0.56563721
## 4	-0.875765804	-0.39771727	-0.879843130	-0.36968462
## 5	-1.136724085	0.33360160	-1.125289201	0.26828795
## 6	-0.186228360	-0.38357935	-0.180016249	-0.41770027
## 7	-0.235667934	-0.87143795	-0.234654687	-0.88928414
## 8	-0.486277720	-0.05470530	-0.466743261	-0.12414569
## 9	0.210618679	-0.42477027	0.194070504	-0.45689372
## 10	-0.687649397	0.61300970	-0.671938312	0.61437937
## 11	-0.258651593	-0.53745482	-0.277929259	-0.54750840
## 12	0.049686620	-0.62027218	0.048090604	-0.61114272
## 13	0.357211572	-0.62074121	0.350597639	-0.65497480
## 14	-0.428143064	0.66361472	-0.403868923	0.71275935
## 15	-0.227335920	-0.98881280	-0.231405275	-0.99029169
## 16	-0.421165065	-0.89524124	-0.418994126	-0.90824966
## 17	-0.553035406	-0.38746560	-0.637439568	-0.19924446
## 18	-0.912220787	-0.08479025	-0.914250014	-0.05897006
## 19	-0.455176606	-0.19499564	-0.452282421	-0.23670577
## 20	-0.410426129	-0.24457885	-0.411901540	-0.26712107
## 21	-0.555300020	-0.21911720	-0.545856185	-0.26518341
## 22	0.312161672	-0.15757371	0.331240313	-0.26672473
## 23	0.724555881	-0.34773203	0.722906540	-0.40415137
## 24	-0.780846968	-0.40704762	-0.774826009	-0.43891171
## 25	0.862018423	-0.69193333	0.855059805	-0.69430037
## 26	-1.357519738	0.74123925	-1.349347979	0.89278502
## 27	-0.576779374	1.04498667	-0.559777775	0.98361989
## 28	-0.383515687	-0.57847823	-0.383043824	-0.60531508
## 29	-0.079274062	-0.66940312	-0.077795088	-0.66880261
## 30	0.096702671	-0.68191618	0.092325215	-0.71954859
## 31	0.003580346	-0.17945063	0.008541482	-0.24491144
## 32	-0.592816628	0.05457878	-0.595179512	0.05706899
## 33	0.058093103	-0.67722587	0.053243033	-0.71170990
## 34	-0.644117306	0.31634798	-0.634298767	0.41766346
## 35	-0.922161382	-0.01539051	-0.911863196	-0.04859187
## 36	-0.136775082	0.26574295	-0.116572589	0.16976118
## 37	-0.306677232	-0.34448232	-0.292399435	-0.41312036

## 38	-0.424990902	-0.29250370	-0.401333856	-0.34392262
## 39	0.293077963	-0.68184917	0.281373334	-0.71589347
## 40	0.428484190	-0.49989889	0.437609799	-0.53321087
## 41	-0.456434798	-0.09075364	-0.442250173	-0.13179355
## 42	0.056036066	-0.24725902	0.061507340	-0.32012765
## 43	-1.202806370	0.54910431	-1.202882787	0.76096583
## 44	0.003577395	-0.19670425	0.008538495	-0.26003102
## 45	-1.265522844	1.76245239	-1.252629998	2.15359590
## 46	-1.133133202	0.63344602	-1.135752897	0.91509740
## 47	0.610050974	-0.50366788	0.606231372	-0.52079227
## 48	-0.633164120	-0.09095465	-0.650770769	-0.11698224
## 49	0.552366359	-0.25952082	0.572464960	-0.35986423
## 50	0.590090094	-0.28716011	0.579370569	-0.34815023
## 51	0.145210987	-0.26231825	0.152006146	-0.33982713
## 52	0.367756011	-0.18343739	0.363181395	-0.27820386
## 53	-1.188776977	0.48390908	-1.185647860	0.40840088
## 54	0.053913872	-0.71984063	0.065256513	-0.74544269
## 55	-0.843551425	0.51176614	-0.839246395	0.48556942
## 56	0.996196719	-0.46071810	0.996124472	-0.52253909
## 57	-0.885302852	0.06132946	-0.882096524	0.04880460
## 58	0.108290174	-0.33707834	0.093972573	-0.39437502
## 59	0.057798579	-0.30637360	0.052937865	-0.34167671
## 60	-0.600021135	-0.20134430	-0.616856645	-0.25668416
## 61	-1.209486613	0.22347997	-1.215366049	0.30759884
## 62	-0.645199126	-0.07547665	-0.643175472	-0.15450227
## 63	-1.789947986	1.73878311	-1.782620237	1.99375413
## 64	-1.369809293	0.35358564	-1.370709985	0.44923841
## 65	-0.702938575	0.72167398	-0.691082956	0.71667869
## 66	-0.803193616	-0.33709509	-0.825339744	-0.39714939
## 67	-0.506796560	-0.41641148	-0.503792962	-0.45483864
## 68	-0.753176054	-0.01287784	-0.764165922	-0.02463542
## 69	-0.489623448	0.12198514	-0.470619320	0.01940217
## 70	-0.513198118	0.27173984	-0.501726865	0.16977586
## 71	-0.170787414	0.03601857	-0.157707196	-0.04434958
## 72	-1.220743552	0.49988962	-1.210884344	0.43704000
## 73	-1.242366783	1.13839072	-1.232881267	1.22363943
## 74	-0.391321215	-0.04415212	-0.395073748	-0.13875149
## 75	-0.913145222	0.05858229	-0.919868456	0.07372988
## 76	0.374560030	0.42067374	0.406690191	0.34391517
## 77	0.867823102	-0.59914907	0.888765748	-0.65716200
## 78	-0.328074180	0.06881720	-0.318364118	-0.01748665
## 79	-0.489656971	-0.07400255	-0.470653252	-0.15234443
## 80	-1.496852274	0.30569429	-1.496719720	0.48179687
## 81	0.121428460	-0.51606368	0.124610519	-0.54426430
## 82	-1.013879665	-0.12085534	-1.011053110	-0.09844242
## 83	-0.576773070	1.08183906	-0.559771395	1.01591412
## 84	-0.079267759	-0.63255073	-0.077788707	-0.63650837
## 85	0.003586649	-0.14259824	0.008547862	-0.21261721
## 86	-0.424984598	-0.25565132	-0.401327476	-0.31162839
## 87	-1.205604490	0.73993267	-1.193798987	0.84770520
## 88	-0.010260226	-0.26868366	-0.007396232	-0.31989278
## 89	0.093545018	-0.43446915	0.090610965	-0.45615976
## 90	-0.226096827	-0.66474631	-0.237075650	-0.66049418
## 91	-0.412696347	-0.84723263	-0.412123056	-0.81449363

## 92	-0.546551517	-0.82760036	-0.553304478	-0.81439088
## 93	-0.328155838	-0.40858872	-0.318446773	-0.43584375
## 94	-1.261692741	0.10014173	-1.259319906	0.20596008
## 95	-0.427054741	-0.19454336	-0.413924097	-0.16665665
## 96	-0.823202241	-0.65534896	-0.825078847	-0.61193540
## 97	-0.460088815	-0.99345285	-0.450576253	-0.98248236
## 98	-0.823198717	-0.63474512	-0.825075280	-0.59387999
## 99	-0.645189671	-0.02019807	-0.643165901	-0.10606092
## 100	-0.576829028	0.75469037	-0.559828035	0.72922941
## 101	0.003530692	-0.46974693	0.008491222	-0.49930192
## 102	-0.546557276	-0.86127004	-0.553310308	-0.84389606
## 103	-0.546541747	-0.77047916	-0.553294589	-0.76433482
## 104	-1.261689217	0.12074556	-1.259316339	0.22401550
## 105	-0.546533438	-0.72190102	-0.553286178	-0.72176515
## 106	-0.137579325	-0.85306201	-0.140537958	-0.85892756
## 107	-0.022894599	-0.15755696	-0.020064218	-0.20778775
## 108	-0.289409606	-0.29059408	-0.316802768	-0.32185979
## 109	1.343056814	-0.81481928	1.326842341	-0.84574564
## 110	-0.136739926	0.47127877	-0.116537004	0.34987493
## 111	0.428519346	-0.29436307	0.437645384	-0.35309712
## 112	-0.456399642	0.11478218	-0.442214588	0.04832019
## 113	-0.546545500	-0.79242308	-0.553298388	-0.78356457
## 114	-0.010310166	-0.56065507	-0.007446782	-0.57575118
## 115	0.374468345	-0.11536098	0.406597385	-0.12581912
## 116	0.003536709	-0.43456966	0.008497312	-0.46847561
## 117	-0.553079043	-0.64258463	-0.637483737	-0.42280863
## 118	-0.258695230	-0.79257384	-0.277973429	-0.77107257
## 119	-1.133215146	0.15436499	-1.135835842	0.49527237
## 120	-0.226231204	-1.45037220	-0.237211668	-1.34894851
## 121	-0.412830724	-1.63285852	-0.412259074	-1.50294796
## 122	-0.546685894	-1.61322625	-0.553440496	-1.50284520
## 123	-0.328290215	-1.19421461	-0.318582791	-1.12429808
## 124	-1.261827118	-0.68548416	-1.259455925	-0.48249424
## 125	-0.427189118	-0.98016924	-0.414060115	-0.85511097
## 126	-0.823336618	-1.44097484	-0.825214866	-1.30038972
## 127	-0.460223192	-1.77907874	-0.450712272	-1.67093668
## 128	-0.823333094	-1.42037101	-0.825211299	-1.28233431
## 129	-0.645324048	-0.80582395	-0.643301920	-0.79451525
## 130	-0.576963405	-0.03093551	-0.559964054	0.04077508
## 131	0.003396315	-1.25537282	0.008355204	-1.18775625
## 132	-0.546691653	-1.64689593	-0.553446326	-1.53235039
## 133	-0.546676124	-1.55610505	-0.553430607	-1.45278914
## 134	-1.261823594	-0.66488032	-1.259452357	-0.46443883
## 135	-0.546667815	-1.50752690	-0.553422196	-1.41021947
## 136	-0.137713703	-1.63868790	-0.140673976	-1.54738189
## 137	-0.023028977	-0.94318285	-0.020200236	-0.89624208
## 138	-0.289543984	-1.07621997	-0.316938786	-1.01031412
## 139	1.342922436	-1.60044517	1.326706323	-1.53419997
## 140	-0.136874303	-0.31434712	-0.116673022	-0.33857940
## 141	0.428384968	-1.07998896	0.437509366	-1.04155145
## 142	-0.456534019	-0.67084371	-0.442350606	-0.64013413
## 143	-0.546679877	-1.57804897	-0.553434406	-1.47201889
## 144	-0.010444543	-1.34628096	-0.007582800	-1.26420550
## 145	0.003402332	-1.22019554	0.008361294	-1.15692993

## 146	-0.553213420	-1.42821051	-0.637619756	-1.11126295
## 147	-0.258829607	-1.57819973	-0.278109447	-1.45952689
## 148	3.088406411	0.65867315	3.118011076	0.44791728
## 149	3.163853882	0.60339457	3.131822294	0.47134528
## 150	2.274095668	0.65307829	2.277093449	0.48799149
## 151	2.719185715	0.81084001	2.699443946	0.61123802
## 152	-0.393880261	2.14553296	-0.398214563	1.98444752
## 153	2.091501436	-0.26196648	2.103594183	-0.32323964
## 154	0.296570842	2.20124707	0.294588365	2.13878459
## 155	3.976067132	0.25627859	3.965330100	0.12256757
## 156	0.213067988	1.30037372	0.208888109	1.26525495
## 157	2.200254042	0.50355811	2.161026303	0.37889570
## 158	2.099270851	0.56496758	2.078956887	0.48429233
## 159	0.783631423	0.77502619	0.739367866	0.65427743
## 160	-0.435299533	1.62467472	-0.457650942	1.78284343
## 161	0.693275441	1.02676149	0.686730212	0.85864121
## 162	-1.596222280	4.65528101	-1.592159318	5.15515400
## 163	-0.755944892	1.88488607	-0.768338814	2.06612257
## 164	0.577796543	2.62106276	0.590915244	2.60100314
## 165	0.377286461	0.50352460	0.322401667	0.37334696
## 166	0.970080573	0.34489183	0.965495232	0.25796848
## 167	0.477321585	1.15195910	0.444749313	1.11837491
## 168	1.004426796	1.42168507	1.031842516	1.20645009
## 169	0.957277457	1.72119447	0.969627426	1.50719747
## 170	1.642098866	1.24975194	1.657666764	1.07894659
## 171	-0.457813410	2.17749403	-0.448687531	2.04172574
## 172	-0.501059874	3.45449624	-0.492681379	3.61492461
## 173	1.201031263	1.08941055	1.182933660	0.89014276
## 174	0.157383250	1.29487936	0.133344245	1.31510551
## 175	2.732793754	2.01906227	2.786461538	1.85547609
## 176	3.719319898	-0.02058334	3.750612652	-0.14667826
## 177	1.327525333	1.31534919	1.336352920	1.13267245
## 178	1.004359751	1.02970969	1.031774652	0.86295689
## 179	-1.010030856	1.78910337	-1.020358284	2.13123948
## 180	2.226530613	0.14558742	2.222302194	0.07911714
## 181	-0.044085638	0.93600412	-0.049025064	0.97076091
## 182	0.830127552	3.34139291	0.853538367	3.19947398
## 183	1.825138175	-0.08738667	1.817503742	-0.10537100
## 184	1.990846991	0.89251830	1.990176881	0.74241133
## 185	1.133704497	0.66641215	1.170426205	0.54438896
## 186	-0.427535287	2.65758012	-0.414516817	2.86305616
## 187	1.963153242	0.64034747	1.958288693	0.52786019
## 188	2.170763729	0.30877649	2.154303086	0.25532622
## 189	1.531480039	-0.15177784	1.498929857	-0.15334261
## 190	1.158280998	-0.51675048	1.148835045	-0.46134152
## 191	0.890570659	-0.47748594	0.866472200	-0.46113601
## 192	1.327362017	0.36053734	1.336187610	0.29595824
## 193	-0.539711789	1.37799824	-0.545558656	1.57956591
## 194	1.129564212	0.78862807	1.145232963	0.83433246
## 195	0.337269210	-0.13298312	0.322923461	-0.05622505
## 196	1.063496064	-0.80919092	1.071928649	-0.79731897
## 197	0.337276259	-0.09177545	0.322930596	-0.02011423
##	HGLRE_align.L.PET	GLNU_norm_align.L.PET	RLNU_norm_align.L.PET	
## 1	-0.30273817	-0.238730765	-0.5367407	

## 2	-0.43354256	-0.091121459	-0.5172827
## 3	0.25409862	-0.321047742	-0.5210072
## 4	-0.85596846	-0.121028178	-0.6136212
## 5	-1.18148303	0.114029553	-0.5396152
## 6	-0.21106118	-0.270695409	-0.5414162
## 7	-0.24386174	-0.202169199	-0.5413950
## 8	-0.56415465	-0.135594007	-0.5143776
## 9	0.26521936	-0.302392791	-0.5596240
## 10	-0.75038294	0.022652363	-0.5355165
## 11	-0.17877878	-0.279247823	-0.6028058
## 12	0.04899909	-0.285875943	-0.5548873
## 13	0.38489573	-0.376665154	-0.5404086
## 14	-0.52411452	0.458424542	-0.5017447
## 15	-0.21168144	-0.244049297	-0.5540986
## 16	-0.43419189	-0.118996980	-0.5641795
## 17	-0.16636713	-0.230445615	-0.5781026
## 18	-0.90307486	-0.105286393	-0.6163875
## 19	-0.46689765	-0.215345260	-0.5455362
## 20	-0.40444406	-0.247390083	-0.5548520
## 21	-0.59113208	-0.193162439	-0.5362604
## 22	0.23257648	0.153931906	-0.4852060
## 23	0.72838613	-0.408843609	-0.5241266
## 24	-0.80237011	-0.175175645	-0.5383345
## 25	0.87786008	-0.214142577	-0.5328679
## 26	-1.38713772	0.339519272	-0.6335217
## 27	-0.64482427	0.136773627	-0.5312929
## 28	-0.38834809	-0.246160674	-0.5701570
## 29	-0.08510044	-0.161785773	-0.5321593
## 30	0.11912546	-0.330428670	-0.5523494
## 31	-0.02170924	-0.172930636	-0.5105543
## 32	-0.58430360	-0.156093073	-0.5818553
## 33	0.07655973	-0.323773824	-0.5494325
## 34	-0.68432783	-0.100342029	-0.5579078
## 35	-0.96109269	-0.071210372	-0.5451642
## 36	-0.21868874	-0.018238862	-0.5021731
## 37	-0.36427439	-0.250837775	-0.5184316
## 38	-0.51865910	-0.054265903	-0.4884855
## 39	0.33615133	-0.354161617	-0.5649140
## 40	0.39026931	-0.345181583	-0.5247222
## 41	-0.51430518	-0.163041908	-0.5148485
## 42	0.02953853	-0.286704458	-0.5181114
## 43	-1.19492402	0.094572813	-0.6478545
## 44	-0.02171204	-0.200458716	-0.5129792
## 45	-1.31486529	0.971008082	-0.5098739
## 46	-1.11840645	0.429560148	-0.6668792
## 47	0.63345700	0.014233582	-0.4930292
## 48	-0.55696036	0.133726830	-0.5809512
## 49	0.47366253	0.045957689	-0.4566866
## 50	0.63433615	-0.021659828	-0.5098009
## 51	0.11393448	0.010358269	-0.4871200
## 52	0.38278478	0.054216113	-0.5120539
## 53	-1.20122657	0.500732261	-0.5600713
## 54	0.00644700	0.259500756	-0.5081930
## 55	-0.86121854	0.290503254	-0.5365594

## 56	0.98562238	0.190012399	-0.5013091
## 57	-0.89654668	0.223072821	-0.5403733
## 58	0.16501501	0.062180548	-0.5339956
## 59	0.07590164	0.039169211	-0.5216381
## 60	-0.52370835	0.139553161	-0.5936171
## 61	-1.17731545	0.370334686	-0.6278080
## 62	-0.65375651	0.159384069	-0.5231260
## 63	-1.81460286	1.486691872	-0.6542439
## 64	-1.36192192	0.510914978	-0.6522075
## 65	-0.74935578	0.401684626	-0.5199289
## 66	-0.70918281	0.298414236	-0.6061535
## 67	-0.52258855	0.181246176	-0.5119080
## 68	-0.70535192	0.156257093	-0.5768595
## 69	-0.56341169	0.192310860	-0.4794004
## 70	-0.55967736	0.258458431	-0.4842879
## 71	-0.22199819	0.144657883	-0.4774652
## 72	-1.25878565	0.579120473	-0.5276273
## 73	-1.27938381	0.732609564	-0.5341486
## 74	-0.38066810	0.210645096	-0.5093018
## 75	-0.88272062	0.323590403	-0.5988177
## 76	0.24571751	0.625383684	-0.4534707
## 77	0.77890074	0.252151026	-0.4663508
## 78	-0.36858543	0.210404559	-0.4831672
## 79	-0.56344353	-0.120386747	-0.5069452
## 80	-1.49234528	0.351171935	-0.6876013
## 81	0.10896372	-0.273822386	-0.5218924
## 82	-1.02005606	0.011213511	-0.6008423
## 83	-0.64481829	0.195571468	-0.5261136
## 84	-0.08509445	-0.102987932	-0.5269799
## 85	-0.02170325	-0.114132795	-0.5053749
## 86	-0.51865311	0.004531938	-0.4833061
## 87	-1.25035710	0.399546523	-0.5724806
## 88	-0.01711853	-0.273394765	-0.5300028
## 89	0.10350175	-0.295711218	-0.5322558
## 90	-0.18357774	-0.756846647	-0.6148878
## 91	-0.41587263	-0.732418817	-0.6053342
## 92	-0.51833083	-0.673647703	-0.6325047
## 93	-0.36866300	-0.551294741	-0.5502635
## 94	-1.26794230	-0.363408914	-0.6625097
## 95	-0.47449136	-0.631527068	-0.5686102
## 96	-0.81515885	-0.666137615	-0.6387835
## 97	-0.49754755	-0.677576467	-0.5700746
## 98	-0.81515550	-0.633264277	-0.6358878
## 99	-0.65374753	0.247580830	-0.5153570
## 100	-0.64487144	-0.326393000	-0.5720922
## 101	-0.02175640	-0.636097263	-0.5513535
## 102	-0.51833630	-0.727367548	-0.6372368
## 103	-0.51832155	-0.582511049	-0.6244767
## 104	-1.26793896	-0.330535576	-0.6596140
## 105	-0.51831366	-0.505004805	-0.6176494
## 106	-0.12905521	-0.323105667	-0.5804192
## 107	-0.03914347	0.086554926	-0.4926855
## 108	-0.16986589	0.025538803	-0.5931086
## 109	1.39534703	0.026474223	-0.5327102

## 110	-0.21865534	0.309692731	-0.4732864
## 111	0.39030270	-0.017249990	-0.4958355
## 112	-0.51427178	0.164889685	-0.4859617
## 113	-0.51832512	-0.617522491	-0.6275608
## 114	-0.01716597	-0.739234021	-0.5710375
## 115	0.24563041	-0.229857636	-0.5288068
## 116	-0.02175069	-0.579972052	-0.5464096
## 117	-0.16640858	-0.637487031	-0.6139579
## 118	-0.17882023	-0.686289238	-0.6386611
## 119	-1.11848429	-0.334811782	-0.7342109
## 120	-0.18370539	-2.010309707	-0.7253024
## 121	-0.41600028	-1.985881877	-0.7157488
## 122	-0.51845849	-1.927110762	-0.7429193
## 123	-0.36879065	-1.804757801	-0.6606781
## 124	-1.26806995	-1.616871973	-0.7729243
## 125	-0.47461901	-1.884990127	-0.6790248
## 126	-0.81528650	-1.919600674	-0.7491981
## 127	-0.49767521	-1.931039527	-0.6804891
## 128	-0.81528315	-1.886727336	-0.7463023
## 129	-0.65387518	-1.005882229	-0.6257715
## 130	-0.64499909	-1.579856060	-0.6825067
## 131	-0.02188406	-1.889560323	-0.6617681
## 132	-0.51846396	-1.980830608	-0.7476513
## 133	-0.51844920	-1.835974109	-0.7348913
## 134	-1.26806661	-1.583998635	-0.7700285
## 135	-0.51844131	-1.758467864	-0.7280639
## 136	-0.12918286	-1.576568726	-0.6908337
## 137	-0.03927112	-1.166908134	-0.6031001
## 138	-0.16999354	-1.227924257	-0.7035232
## 139	1.39521938	-1.226988837	-0.6431248
## 140	-0.21878299	-0.943770328	-0.5837010
## 141	0.39017505	-1.270713049	-0.6062501
## 142	-0.51439943	-1.088573374	-0.5963763
## 143	-0.51845277	-1.870985551	-0.7379753
## 144	-0.01729362	-1.992697081	-0.6814520
## 145	-0.02187834	-1.833435111	-0.6568242
## 146	-0.16653623	-1.890950090	-0.7243725
## 147	-0.17894788	-1.939752298	-0.7490757
## 148	2.96906022	1.076683838	1.8868544
## 149	3.29040746	0.941448804	1.7806257
## 150	2.24960412	1.005484998	1.8259875
## 151	2.78730471	1.093200686	1.7761197
## 152	-0.38071797	1.986232982	1.6800849
## 153	2.03462916	1.503769972	1.7838416
## 154	0.29929808	1.565774968	1.7271088
## 155	3.99297992	1.364793257	1.7976093
## 156	0.22864180	1.430914102	1.7194810
## 157	2.35176517	1.109129555	1.7322364
## 158	2.17353844	1.063106882	1.7569513
## 159	0.97431845	1.263874782	1.6129933
## 160	-0.33289574	1.725437831	1.5446116
## 161	0.71422214	1.303536598	1.7539755
## 162	-1.60747057	3.958152203	1.4917398
## 163	-0.70210869	2.006598415	1.4958126

## 164	0.52302359	1.788137711	1.7603697
## 165	0.60336954	1.581596932	1.5879205
## 166	0.97655806	1.347260810	1.7764116
## 167	0.61103132	1.297282646	1.6465085
## 168	0.89491178	1.369390179	1.8414267
## 169	0.90238044	1.501685321	1.8316518
## 170	1.57773878	1.274084225	1.8452971
## 171	-0.49583614	2.143009406	1.7449729
## 172	-0.53703247	2.449987587	1.7319303
## 173	1.26039896	1.406058651	1.7816239
## 174	0.25629392	1.631949265	1.6025922
## 175	2.51317018	2.235535826	1.8932862
## 176	3.57953664	1.489070512	1.8675260
## 177	1.28456431	1.405577578	1.8338931
## 178	0.89484809	0.743994964	1.7863371
## 179	-0.96295541	1.687112330	1.4250249
## 180	2.23966260	0.437123688	1.7564428
## 181	-0.01837696	1.007195480	1.5985429
## 182	0.73209858	1.375911395	1.7480004
## 183	1.85154626	0.778792595	1.7462677
## 184	1.97832866	0.756502868	1.7894777
## 185	0.98442893	0.993832335	1.8336153
## 186	-0.47897904	1.783861504	1.6552663
## 187	1.98749810	0.437978929	1.7402220
## 188	2.22873866	0.393346023	1.7357159
## 189	1.65457967	-0.528924835	1.5704519
## 190	1.18998989	-0.480069175	1.5895591
## 191	0.98507349	-0.362526946	1.5352181
## 192	1.28440916	-0.117821023	1.6997005
## 193	-0.51414945	0.257950632	1.4752082
## 194	1.07275245	-0.278285676	1.6630071
## 195	0.39141745	-0.347506770	1.5226606
## 196	1.02664005	-0.370384476	1.6600784
## 197	0.39142415	-0.281760094	1.5284520
##	GLVAR_align.L.PET	RLVAR_align.L.PET	Entropy_align.L.PET SZSE.L.PET
## 1	-0.105148699	-0.261332881	-0.5213924 -0.5416124
## 2	0.027193773	-0.377465581	-0.6055192 -0.4622829
## 3	0.047082123	-0.393367028	-0.4724149 -0.4319895
## 4	-1.050935641	0.272199774	-0.5657969 -0.5905909
## 5	-0.913138174	-0.297801938	-0.7451479 -0.4515025
## 6	-0.248950531	-0.281014180	-0.5060910 -0.5189079
## 7	-0.281279935	-0.297593394	-0.5422141 -0.4815330
## 8	-0.165011864	-0.436561615	-0.5921818 -0.4288673
## 9	0.075254456	-0.181643169	-0.4986546 -0.5757175
## 10	-0.244091802	-0.342039242	-0.6772085 -0.4891427
## 11	-0.725725037	0.153121396	-0.4682667 -0.5360689
## 12	-0.255757731	-0.208258542	-0.4855291 -0.5207781
## 13	-0.113772639	-0.249758713	-0.4152211 -0.5190279
## 14	0.528813594	-0.528998553	-0.9967348 -0.4559876
## 15	-0.609818908	-0.167540410	-0.5091164 -0.5017055
## 16	-0.796785123	-0.183337586	-0.6008594 -0.5143837
## 17	-0.715812389	0.481942469	-0.5196047 -2.1280528
## 18	-0.800198250	0.330591974	-0.5557149 -0.5780442
## 19	-0.517578980	-0.202680002	-0.5332927 -0.5006056

## 20	-0.451716693	-0.160632405	-0.5114254	-0.5201854
## 21	-0.454724964	-0.248429248	-0.5475485	-0.4909206
## 22	0.939499242	-0.620549180	-0.8252197	-0.3672959
## 23	0.473234466	-0.373659661	-0.3906104	-0.4846299
## 24	-0.904465667	-0.242251144	-0.5746071	-0.4950067
## 25	0.393960125	-0.356689428	-0.5695455	-0.4642752
## 26	-1.150198009	0.381450537	-0.7627692	-0.5966095
## 27	0.036939013	-0.365422190	-0.7392654	-0.4560845
## 28	-0.648371224	-0.091526279	-0.5078077	-0.5170447
## 29	-0.371607571	-0.295299415	-0.5941810	-0.4454632
## 30	-0.294306166	-0.153906875	-0.4381633	-0.5402865
## 31	0.532626838	-0.480225425	-0.5584020	-0.5332717
## 32	-0.204542367	0.014596330	-0.5251394	-0.5695537
## 33	-0.462079338	-0.186205060	-0.4560667	-0.4706904
## 34	-0.281677301	-0.170016865	-0.5807646	-0.5117433
## 35	-0.785981323	-0.222595913	-0.6189755	-0.4838551
## 36	0.358961992	-0.526626369	-0.6790281	-0.4401157
## 37	-0.083228108	-0.413152600	-0.5164769	-0.4803247
## 38	-0.069925095	-0.602405889	-0.6743149	-0.4530544
## 39	-0.251286751	-0.131801256	-0.4203452	-0.5030499
## 40	0.244339451	-0.364666220	-0.4452388	-0.5098063
## 41	-0.014857374	-0.445998212	-0.5540112	-0.4672107
## 42	-0.033919401	-0.422146041	-0.4986638	-0.4753646
## 43	-1.060677867	0.607928853	-0.6549257	-0.6249450
## 44	0.532616455	-0.507075410	-0.5588343	-0.5356469
## 45	-0.875211821	0.132631990	-0.9214517	-0.4563658
## 46	-0.914342186	1.386813018	-0.5981600	-0.6203908
## 47	-0.149514968	0.014179243	-0.4490722	-0.4350980
## 48	-0.850497664	0.612412540	-0.5099039	-0.5118333
## 49	0.373386407	-0.224863824	-0.4716086	-0.4240640
## 50	0.234293488	0.131224321	-0.4176703	-0.4865577
## 51	0.017078737	-0.070202699	-0.4452124	-0.4237780
## 52	-0.058987053	0.086022502	-0.4642964	-0.4487746
## 53	-1.031257913	0.357129143	-0.7175534	-0.4914209
## 54	-0.154976334	0.068530910	-0.5741164	-0.4512765
## 55	-0.608351431	0.316228535	-0.6071096	-0.4805553
## 56	0.599957943	-0.008604142	-0.5703040	-0.4893502
## 57	-0.910715906	0.330227022	-0.5822714	-0.5085911
## 58	-0.553157047	0.245662605	-0.4646431	-0.4890827
## 59	0.102064280	0.160889644	-0.4461043	-0.4904870
## 60	-0.844410689	0.718743692	-0.4937987	-0.5580631
## 61	-1.372365419	1.058617575	-0.6540342	-0.5906439
## 62	-0.684667329	0.169596338	-0.5491574	-0.5108947
## 63	-1.880757502	1.242865819	-1.0695217	-0.6398761
## 64	-1.398946193	1.146701165	-0.6858509	-0.6002413
## 65	-0.183025311	0.184090116	-0.6733428	-0.4676558
## 66	-1.305959921	0.774972252	-0.6193407	-0.5787567
## 67	-0.660821462	0.050074804	-0.5830349	-0.4887345
## 68	-0.837884797	0.556131844	-0.5124105	-0.5253277
## 69	-0.208982834	-0.089962203	-0.5729412	-0.4346829
## 70	-0.405735448	-0.069759544	-0.6410199	-0.4736835
## 71	-0.144242271	0.040586072	-0.4709181	-0.4325314
## 72	-1.066073144	0.296677576	-0.7177725	-0.4809865
## 73	-1.053650033	0.370762679	-0.8059783	-0.4207042

## 74	-0.512363379	0.216779320	-0.5351009	-0.4821302
## 75	-0.990683246	0.873404817	-0.5457588	-0.5315146
## 76	0.510459646	-0.140534018	-0.8661459	-0.4173167
## 77	0.116215099	-0.069212117	-0.5694540	-0.4206189
## 78	-0.276245835	0.078879885	-0.5367572	-0.4600945
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## 81	0.041645939	-0.287322623	-0.4433508	-0.4748734
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## 91	-0.647434609	-0.564998386	-0.4946721	-0.5337237
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## 105	-0.946310404	-0.212742229	-0.5266500	-0.5618356
## 106	-0.067194826	-0.086495166	-0.4681496	-0.4871273
## 107	-0.280217455	-0.073226581	-0.5336520	-0.4677065
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## 109	-0.242527914	0.177833809	-0.4499486	-0.4431688
## 110	0.359085681	-0.206772670	-0.6738779	-0.4118216
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## 112	-0.014733686	-0.126144512	-0.5488610	-0.4389166
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## 135	-0.946783183	-1.435328906	-0.5463355	-0.6699850
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## 137	-0.280690233	-1.295813258	-0.5533375	-0.5758558
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## 142	-0.015206464	-1.348731189	-0.5685466	-0.5470660
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## 148	2.883249580	0.486973583	1.9228690	1.8309585
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## 173	1.111750007	1.370259872	1.7958844	1.7148259
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## 176	2.368906963	0.798276996	1.7271781	1.8378487
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## 178	1.718275213	0.146786885	1.7103821	1.7557613
## 179	-1.004395166	2.798626916	1.3221718	1.4115142
## 180	2.219768644	0.362055985	1.9793845	1.7293396
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## 182	2.210399147	0.320555814	1.3894023	1.7770637
## 183	1.393305979	0.460801365	1.6795711	1.7983062
## 184	3.201774796	0.090949344	1.7511290	1.6226891
## 185	1.996670930	-0.153411584	1.5193032	1.7831237
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## 1	-0.4480601558	-0.15538232	-0.298456038	-0.171067281
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## 4	-0.1684869659	-0.39347619	-0.874151313	-0.397301220
## 5	-0.7298394220	0.36093736	-1.142015311	0.448655468
## 6	-0.5211467577	-0.42434947	-0.227559425	-0.432012491
## 7	-0.5997132388	-0.88048791	-0.228598290	-0.841485124
## 8	-0.7562165775	-0.04451163	-0.473782275	0.038828819
## 9	-0.3639036713	-0.35176231	0.008455441	-0.278670451
## 10	-0.5716818254	0.39973710	-0.630823093	0.284710647
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## 12	-0.5345938881	-0.58479390	0.020063217	-0.534199216
## 13	-0.5100876481	-0.61353568	0.294815777	-0.570627465
## 14	-0.7205279366	0.74382255	-0.430875717	0.807787022
## 15	-0.5734043125	-1.00761119	-0.239755226	-0.981887879
## 16	-0.5500148762	-0.89962135	-0.393242071	-0.861363124
## 17	4.8194300244	-0.31381183	-0.553491638	-0.892233321
## 18	-0.2934468847	-0.03983235	-0.902427589	-0.019141305
## 19	-0.5305049263	-0.23522986	-0.468381109	-0.223674062
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## 21	-0.6054313216	-0.21276597	-0.587976714	-0.163668346
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## 185 0.6567483663 0.70187553 1.250291021 0.803450326 1.404984e+00
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## 187 1.1821464469 0.67213462 1.959050011 0.731160254 1.864454e+00
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## 7	-0.8753078362	-0.347980109	-0.49240914	-0.477263239	-0.4859846
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## 19	-0.2398949658	-0.461568302	-0.41013337	-0.374712302	-0.5159067
## 20	-0.2981833722	-0.393096039	-0.41677620	-0.381128907	-0.5359429
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## 22	-0.4625155531	-0.244044457	-0.67861276	-0.717451663	-0.3152342
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## 25	-0.7415466445	0.426612400	-0.66802545	-0.690850045	-0.4429183
## 26	1.0630124788	-1.210681793	-0.05189345	-0.342098222	-0.6683403
## 27	0.7969273725	-0.771021789	-0.65090998	-0.693704501	-0.4500796
## 28	-0.6128526415	-0.449923068	-0.35273222	-0.294687292	-0.5230512
## 29	-0.7506109323	-0.372692741	-0.63000699	-0.646561775	-0.4192220
## 30	-0.7239740958	0.201955824	-0.34357686	-0.231689776	-0.5774054
## 31	-0.2276938469	0.093274592	-0.62977408	-0.654515049	-0.5436838
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## 33	-0.7581435234	-0.132664779	-0.26428053	-0.082059841	-0.4555094
## 34	0.1907636161	-0.631991921	-0.46135123	-0.495325981	-0.5312273
## 35	-0.1703181640	-0.933514806	-0.29415322	-0.321170340	-0.4789869
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## 40	-0.5410832052	0.279573062	-0.60328544	-0.585061483	-0.5150122
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## 56	-0.6107334446	1.156384613	-0.66815439	-0.695138296	-0.5091687
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## 62	-0.1688389226	-0.581847270	-0.37269419	-0.356487933	-0.5384006
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## 71	-0.1223634654	-0.350966123	-0.43031108	-0.336464515	-0.4288097
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## 77	-0.7261247660	0.433396795	-0.67472599	-0.698309093	-0.3963578
## 78	-0.2432521095	-0.438501458	-0.58052928	-0.579094890	-0.4503272
## 79	-0.3161231085	-0.657552590	-0.57528336	-0.584223365	-0.4465831
## 80	0.6449956409	-1.274297198	0.40878564	-0.065352668	-0.7308778
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## 85	-0.2046134844	0.093278913	-0.62973405	-0.654513573	-0.5383934
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## 104	0.2845747985	-1.117659363	0.46887604	0.131961087	-0.6604672
## 105	-0.6991627061	-0.481461668	0.50669225	0.669808121	-0.5822076
## 106	-0.8701252457	-0.343882893	-0.43241376	-0.378581156	-0.4727153
## 107	-0.3975548238	-0.153558084	-0.62004927	-0.630690143	-0.4522895
## 108	-0.3158818138	-0.062114368	0.09200930	0.278395094	-0.5800506
## 109	-0.8619107349	0.986397978	-0.59147045	-0.573337999	-0.4337105

## 110	0.0001408041	-0.467968303	-0.66244205	-0.696431340	-0.3828889
## 111	-0.4123577290	0.279597162	-0.60306215	-0.585053255	-0.4855061
## 112	-0.1517174900	-0.646045645	-0.44756831	-0.430240722	-0.4235000
## 113	-0.7433301271	-0.481469937	0.50661564	0.669805298	-0.5923315
## 114	-0.5317776227	0.024639022	-0.29634404	-0.148652231	-0.5797187
## 115	-0.3540273583	-0.105967748	-0.69137204	-0.731405329	-0.4691611
## 116	-0.3874729018	0.093244678	-0.63005124	-0.654525261	-0.5803079
## 117	1.3400397751	3.812858116	-0.29645264	-0.262741782	-1.6840345
## 118	-0.7174801211	-0.188849554	1.90868003	2.600425638	-0.5916173
## 119	1.6270860470	-0.903283833	0.37775585	0.079500470	-0.8162290
## 120	-1.1444563361	-0.241276406	-0.12313448	0.043140782	-0.6759441
## 121	-1.2487900656	-0.484391465	0.12015721	0.354065019	-0.6535055
## 122	-1.2573927462	-0.481566180	0.50572392	0.669772443	-0.7101634
## 123	-1.0342790784	-0.438649554	-0.58190143	-0.579145447	-0.6316441
## 124	-0.2203605863	-1.117753897	0.46800016	0.131928815	-0.7762070
## 125	-0.6282535379	-0.569631336	-0.52444659	-0.521376810	-0.6138587
## 126	-1.0459136793	-0.763523671	1.20502290	1.348107487	-0.7134627
## 127	-1.4034599675	-0.552015498	-0.26463292	-0.191638439	-0.6397913
## 128	-1.0330096585	-0.763521255	1.20504529	1.348108311	-0.7105049
## 129	-0.6262497428	-0.581932907	-0.37348763	-0.356517168	-0.6432469
## 130	0.1230856986	-0.771147945	-0.65207886	-0.693747569	-0.6045355
## 131	-0.9015355209	0.093148435	-0.63094296	-0.654558116	-0.6981398
## 132	-1.2784798046	-0.481570128	0.50568734	0.669771095	-0.7149969
## 133	-1.2216181843	-0.481559482	0.50578598	0.669774729	-0.7019633
## 134	-0.2074565655	-1.117751481	0.46802254	0.131929640	-0.7732492
## 135	-1.1911940701	-0.481553786	0.50583875	0.669776674	-0.6949896
## 136	-1.3621566097	-0.343975011	-0.43326726	-0.378612604	-0.5854973
## 137	-0.8895861877	-0.153650202	-0.62090277	-0.630721591	-0.5650715
## 138	-0.8079131778	-0.062206486	0.09115581	0.278363646	-0.6928325
## 139	-1.3539420989	0.986305860	-0.59232395	-0.573369446	-0.5464925
## 140	-0.4918905599	-0.468060422	-0.66329555	-0.696462787	-0.4956709
## 141	-0.9043890930	0.279505044	-0.60391565	-0.585084703	-0.5982880
## 142	-0.6437488540	-0.646137763	-0.44842181	-0.430272169	-0.5362820
## 143	-1.2353614911	-0.481562055	0.50576214	0.669773851	-0.7051135
## 144	-1.0238089867	0.024546904	-0.29719754	-0.148683678	-0.6925007
## 145	-0.8795042658	0.093152560	-0.63090474	-0.654556708	-0.6930898
## 146	0.8480084112	3.812765997	-0.29730614	-0.262773229	-1.7968165
## 147	-1.2095114851	-0.188941672	1.90782654	2.600394190	-0.7043993
## 148	0.1036562298	2.424839028	-0.56930866	-0.530055094	1.8899683
## 149	0.1318562364	3.134196981	-0.29639412	-0.107400825	1.7101905
## 150	0.2031116100	1.663436835	-0.19636814	0.061481025	1.9024778
## 151	0.2167290239	2.341106237	-0.46425068	-0.379243496	1.8093425
## 152	1.3325176752	-0.447949250	-0.12330116	-0.296520643	1.7402689
## 153	-0.4802139947	1.354493680	-0.40329601	-0.415195218	1.8485925
## 154	1.8110575182	0.147999935	-0.16931095	-0.204554980	1.7333866
## 155	-0.1238112336	4.132548598	-0.61670392	-0.635273906	1.7077136
## 156	1.1265988775	0.162692240	0.27664767	0.285928825	1.6615668
## 157	0.1327584687	2.178854987	0.31885913	0.649511383	1.7080118
## 158	0.1362415052	1.907109175	-0.32908527	-0.212458132	1.7325786
## 159	0.5481420471	1.457332611	1.51373931	1.716077117	1.4467953
## 160	2.2813723592	0.042080930	1.37223126	0.926373937	1.3423241
## 161	0.7599778104	0.656084832	-0.02578352	0.042026819	1.6492498
## 162	6.4374532326	-1.364868621	2.54223837	0.399125808	1.1986269
## 163	2.0158013156	-0.543762100	5.68293571	3.736483484	1.3716955

## 164	2.1369732187	0.212147392	-0.47787506	-0.539130103	1.8027487
## 165	0.1620915112	1.306033887	0.86110359	0.673674410	1.3655009
## 166	0.1477607043	0.839640941	-0.48862050	-0.495739409	1.7400092
## 167	1.0673872566	0.718420720	6.70700150	7.458843089	1.6079076
## 168	0.7109005669	0.504720152	-0.43053603	-0.413428353	1.8891555
## 169	1.4625020803	0.743024872	-0.53442837	-0.563372189	1.7634986
## 170	0.8529287248	1.117847126	-0.14101730	0.082073657	1.8684316
## 171	1.7602177742	-0.575276220	0.13711970	-0.056416558	1.7648068
## 172	2.8444912397	-0.624235246	-0.42855762	-0.542070289	1.8933253
## 173	0.5135215033	1.152219389	-0.29914016	-0.243080696	1.7337665
## 174	1.1908252316	0.305574745	2.03655630	2.000220939	1.5661037
## 175	1.0610296659	1.607969581	-0.66197454	-0.707765059	1.9416316
## 176	-0.3545938763	2.686572963	-0.62984713	-0.641615499	1.9333353
## 177	0.6111514367	0.942776456	-0.44145370	-0.403187093	1.8253965
## 178	0.4654094386	0.504674192	-0.43096186	-0.413444043	1.8328848
## 179	2.3876469374	-0.728815024	1.53717614	0.624297350	1.2642953
## 180	0.0366392500	1.830981508	-0.21658789	-0.004958033	1.7681638
## 181	1.1637162968	0.258034526	0.38673455	0.230368522	1.4147210
## 182	2.7376711257	0.277744437	-0.58213504	-0.632403365	1.8364727
## 183	-0.3574054841	1.074402532	-0.54032904	-0.538117914	1.8981877
## 184	0.6884286867	2.006337198	-0.53986324	-0.554024460	1.6492642
## 185	0.2030696457	0.441952570	-0.57956188	-0.608024198	1.8789450
## 186	2.8802238372	-0.449774331	-0.30821101	-0.492399794	1.5263006
## 187	0.3998192448	1.869125887	0.12755117	0.457721599	1.6504425
## 188	0.1765272288	1.750436085	0.02007622	0.377707884	1.7679233
## 189	-0.2071942886	1.337410796	0.47504290	0.841347145	1.5997267
## 190	-0.4158617477	0.851180677	0.96162627	1.463195620	1.6446038
## 191	-0.4330671088	0.856831248	1.73275970	2.094610467	1.5312880
## 192	0.0131602267	0.942664500	-0.44249100	-0.403225313	1.6883267
## 193	1.6409972109	-0.415544186	1.65731217	1.018923212	1.3992009
## 194	0.8252113077	0.680700937	-0.32758133	-0.287688039	1.7238975
## 195	-0.0101089751	0.292916266	3.13135766	3.451280555	1.5246894
## 196	-0.7252015515	0.715932613	0.19204602	0.371788703	1.6720322
## 197	0.0156990666	0.292921098	3.13140242	3.451282204	1.5306051
##	GLNU_norm.L.PET	ZSNU_norm.L.PET	GLVAR_area.L.PET	ZSVAR.L.PET	
## 1	-0.236895564	-0.6190040	-0.121204529	-0.22265636	
## 2	-0.099574071	-0.4177144	0.000753596	-0.41376045	
## 3	-0.313407107	-0.3386244	0.026274426	-0.83627786	
## 4	-0.117056257	-0.7292502	-1.045590634	0.47212316	
## 5	0.124510864	-0.3925193	-0.907213368	-0.77513214	
## 6	-0.256104386	-0.5629950	-0.293935425	-0.37150634	
## 7	-0.195564223	-0.4655254	-0.273724613	-0.48013606	
## 8	-0.134781252	-0.3270212	-0.169492090	-0.78289987	
## 9	-0.266113477	-0.6996385	-0.136349876	-0.10768794	
## 10	-0.009141528	-0.4843153	-0.240323228	-0.42159342	
## 11	-0.267381475	-0.6053781	-0.736691598	-0.24271016	
## 12	-0.278388778	-0.5693036	-0.253996649	-0.41765025	
## 13	-0.364801497	-0.5642808	-0.132185565	-0.32147263	
## 14	0.455269510	-0.4047157	0.546606274	-0.76129845	
## 15	-0.230663489	-0.5212287	-0.627792076	-0.46272684	
## 16	-0.137991715	-0.5532734	-0.762593006	-0.44177767	
## 17	-0.223055500	-0.6623410	-0.701883624	3.42827446	
## 18	-0.103485980	-0.7043347	-0.778939406	0.13816981	
## 19	-0.214449300	-0.5146614	-0.541295860	-0.32512525	

## 20	-0.233496250	-0.5659507	-0.442946088	-0.29647357
## 21	-0.173684511	-0.4932764	-0.507906961	-0.52847984
## 22	0.173450194	-0.1504276	0.923242104	-1.04978387
## 23	-0.388596695	-0.4716406	0.383960270	-0.38694694
## 24	-0.165105290	-0.5043988	-0.911557812	-0.50289967
## 25	-0.196535455	-0.4270780	0.368086708	-0.73593175
## 26	0.332948164	-0.7420686	-1.140559576	0.54003452
## 27	0.097100523	-0.3984149	0.025889885	-0.60103998
## 28	-0.242453173	-0.5597675	-0.641108372	-0.42538834
## 29	-0.160464957	-0.3759847	-0.339905272	-0.79389330
## 30	-0.322552881	-0.6123061	-0.283176345	0.01232062
## 31	-0.175141360	-0.6000103	0.432420819	-0.36163954
## 32	-0.150995440	-0.6806579	-0.262767392	0.08236663
## 33	-0.313218256	-0.4427397	-0.469755382	-0.67373650
## 34	-0.071084583	-0.5443070	-0.292426354	-0.21029321
## 35	-0.057136604	-0.4757592	-0.809812802	-0.55187792
## 36	-0.022684826	-0.3612324	0.371695621	-0.81063247
## 37	-0.245906444	-0.4674985	-0.091660675	-0.62073801
## 38	-0.053683332	-0.3967502	-0.055470851	-0.77033512
## 39	-0.343245530	-0.5226059	-0.270083686	-0.29432114
## 40	-0.332103334	-0.5411737	0.233817109	-0.44183104
## 41	-0.168558562	-0.4328117	0.019392114	-0.66764090
## 42	-0.274584783	-0.4508437	-0.003146221	-0.48093062
## 43	0.068152397	-0.8072139	-1.055106968	0.68082029
## 44	-0.202929403	-0.6027020	0.432410457	-0.36774699
## 45	0.869500198	-0.4458235	-0.917947658	-0.21512581
## 46	0.402283378	-0.8256797	-0.879785575	2.19071994
## 47	0.027657395	-0.3950908	-0.183108626	-0.61015966
## 48	0.147388787	-0.5845890	-0.857401917	-0.02161430
## 49	0.050049701	-0.3595259	0.398310757	-0.51069113
## 50	-0.002127071	-0.5226033	0.219691607	-0.11098478
## 51	0.026686162	-0.3611697	-0.028874288	-0.56592507
## 52	0.044060434	-0.4262731	0.010826485	-0.24265087
## 53	0.532482498	-0.5390804	-1.021206486	-0.37068806
## 54	0.259970828	-0.4376437	-0.114882263	-0.54751968
## 55	0.293802096	-0.5080548	-0.609192343	-0.20412645
## 56	0.165707312	-0.5280939	0.529490167	-0.19527361
## 57	0.232830274	-0.5777630	-0.906044420	-0.08766971
## 58	0.068611035	-0.5286845	-0.547508884	-0.16199093
## 59	0.049860850	-0.5354008	0.106081732	-0.32567077
## 60	0.151165802	-0.6892557	-0.835805071	0.95692476
## 61	0.381186048	-0.7609526	-1.362084895	1.27013055
## 62	0.159933874	-0.5835855	-0.664392389	0.01052989
## 63	1.449676762	-0.8685750	-1.879608334	2.07305949
## 64	0.503534372	-0.7859518	-1.382143907	0.87737366
## 65	0.406060393	-0.4794362	-0.173195536	-0.46960514
## 66	0.289782272	-0.7330814	-1.281828858	1.23722144
## 67	0.192739952	-0.5323380	-0.691630271	-0.30289529
## 68	0.176175041	-0.6177052	-0.869529143	0.11933749
## 69	0.200509812	-0.3934078	-0.183562700	-0.59629632
## 70	0.269521282	-0.4929315	-0.452919263	-0.27270785
## 71	0.152110056	-0.3963138	-0.122077161	-0.43747873
## 72	0.565315555	-0.5242863	-1.080391717	-0.35189726
## 73	0.764714996	-0.3625704	-1.060186932	-0.46814647

## 74	0.227245687	-0.5227000	-0.520114262	-0.22757197
## 75	0.333244929	-0.6396860	-0.983251982	0.32359337
## 76	0.623886274	-0.3608900	0.537342391	-0.66185957
## 77	0.244161320	-0.3698277	0.158271545	-0.65172001
## 78	0.216184427	-0.4722574	-0.228263692	-0.48158880
## 79	-0.115140771	-0.4239838	-0.183680413	-0.66567229
## 80	0.347894354	-0.8312278	-1.561434096	1.31465569
## 81	-0.264197991	-0.4562507	0.005710413	-0.45431871
## 82	0.020184300	-0.7174118	-0.967036235	0.71170149
## 83	0.156453624	-0.3926656	0.025912019	-0.58799492
## 84	-0.101111856	-0.3702353	-0.339883137	-0.78084824
## 85	-0.115788259	-0.5942610	0.432442954	-0.34859449
## 86	0.005669769	-0.3910009	-0.055448717	-0.75729006
## 87	0.377921627	-0.6945896	-0.789116225	-0.09616678
## 88	-0.264413820	-0.5493639	-0.024060781	-0.15962503
## 89	-0.283137026	-0.4706240	-0.090980591	-0.48693134
## 90	-0.748411381	-0.5980451	-0.536824538	-0.51358476
## 91	-0.725047842	-0.5446729	-0.648815033	-0.54087857
## 92	-0.671684009	-0.6516498	-0.943497262	-0.34115288
## 93	-0.552708019	-0.5467374	-0.228550431	-0.65058153
## 94	-0.363506520	-0.7570117	-1.146171907	-0.02506531
## 95	-0.635748404	-0.4858180	-0.036663741	-0.73799524
## 96	-0.660137133	-0.6557449	-0.985450121	-0.33002900
## 97	-0.673005964	-0.5193262	-0.450175676	-0.59951015
## 98	-0.626953353	-0.6525305	-0.985437746	-0.32273563
## 99	0.248963526	-0.5749615	-0.664359187	0.03009747
## 100	-0.370440042	-0.4437041	0.025715527	-0.70379942
## 101	-0.642681925	-0.6452994	0.432246462	-0.46439898
## 102	-0.725911160	-0.6569026	-0.943517485	-0.35307131
## 103	-0.579686702	-0.6427384	-0.943462954	-0.32093304
## 104	-0.330322741	-0.7537973	-1.146159532	-0.01777194
## 105	-0.501448523	-0.6351597	-0.943433777	-0.30373729
## 106	-0.313542001	-0.4780537	-0.034025906	-0.67463186
## 107	0.105113192	-0.4783778	-0.277522422	-0.56859930
## 108	0.041794224	-0.6513362	-0.503077858	0.12663679
## 109	0.042010054	-0.4104154	-0.270421031	-0.53593330
## 110	0.308343606	-0.3291668	0.371819070	-0.73787665
## 111	-0.001074902	-0.5091080	0.233940558	-0.36907522
## 112	0.162469870	-0.4007460	0.019515563	-0.59488508
## 113	-0.615028776	-0.6461618	-0.943476134	-0.32870078
## 114	-0.734652253	-0.5949143	-0.024236144	-0.26297743
## 115	-0.239431560	-0.4445168	0.537020438	-0.85160580
## 116	-0.586026692	-0.6398114	0.432267590	-0.45194688
## 117	-0.633940832	-0.7021421	-0.702036853	3.33796712
## 118	-0.678266807	-0.6451792	-0.736844827	-0.33301751
## 119	-0.369306937	-0.9004211	-0.880073320	2.02113425
## 120	-2.013711582	-0.7206105	-0.537296399	-0.79168157
## 121	-1.990348043	-0.6672384	-0.649286894	-0.81897538
## 122	-1.936984210	-0.7742153	-0.943969124	-0.61924969
## 123	-1.818008221	-0.6693029	-0.229022292	-0.92867834
## 124	-1.628806721	-0.8795772	-1.146643768	-0.30316212
## 125	-1.901048605	-0.6083834	-0.037135602	-1.01609205
## 126	-1.925437334	-0.7783104	-0.985921982	-0.60812581
## 127	-1.938306165	-0.6418916	-0.450647538	-0.87760696

## 128	-1.892253554	-0.7750960	-0.985909607	-0.60083244
## 129	-1.016336675	-0.6975269	-0.664831049	-0.24799934
## 130	-1.635740243	-0.5662695	0.025243666	-0.98189623
## 131	-1.907982126	-0.7678649	0.431774601	-0.74249579
## 132	-1.991211361	-0.7794681	-0.943989346	-0.63116812
## 133	-1.844986903	-0.7653038	-0.943934816	-0.59902985
## 134	-1.595622942	-0.8763628	-1.146631393	-0.29586875
## 135	-1.766748724	-0.7577251	-0.943905639	-0.58183410
## 136	-1.578842202	-0.6006192	-0.034497767	-0.95272867
## 137	-1.160187009	-0.6009433	-0.277994283	-0.84669611
## 138	-1.223505977	-0.7739017	-0.503549720	-0.15146002
## 139	-1.223290147	-0.5329808	-0.270892892	-0.81403011
## 140	-0.956956595	-0.4517322	0.371347208	-1.01597346
## 141	-1.266375103	-0.6316735	0.233468697	-0.64717203
## 142	-1.102830331	-0.5233115	0.019043701	-0.87298189
## 143	-1.880328977	-0.7687273	-0.943947995	-0.60679759
## 144	-1.999952454	-0.7174798	-0.024708005	-0.54107424
## 145	-1.851326893	-0.7623769	0.431795729	-0.73004369
## 146	-1.899241033	-0.8247076	-0.702508714	3.05987031
## 147	-1.943567008	-0.7677447	-0.737316689	-0.61111432
## 148	1.078881752	2.0513238	2.948017733	0.04340343
## 149	0.974528208	1.7251689	2.590779433	0.84281613
## 150	1.032154674	2.0480362	2.093647643	-0.06706445
## 151	1.066903217	1.9178293	2.173049189	0.57948395
## 152	2.043747346	1.6922148	0.108983246	0.32340956
## 153	1.498724006	1.8950881	1.921631693	-0.03025369
## 154	1.566386541	1.7542658	0.933011533	0.65653277
## 155	1.310196974	1.7141877	3.210376554	0.67423847
## 156	1.444442897	1.6148496	0.339307379	0.88944626
## 157	1.116004419	1.7130065	1.056378451	0.74080381
## 158	1.078504050	1.6995739	2.363559684	0.41344414
## 159	1.281113954	1.3918641	0.479786077	2.97863521
## 160	1.741154445	1.2484703	-0.572773571	3.60504679
## 161	1.298650098	1.6032045	0.822611442	1.08584546
## 162	3.878135873	1.0332255	-1.607820448	5.21090466
## 163	1.985851094	1.1984720	-0.612891594	2.81953300
## 164	1.790903136	1.8115031	1.805005146	0.12557540
## 165	1.558346894	1.3042128	-0.412261497	3.53922857
## 166	1.364262253	1.7056996	0.768135678	0.45899509
## 167	1.331132431	1.5349651	0.412337933	1.30346066
## 168	1.379801974	1.9835599	1.784270820	-0.12780696
## 169	1.517824913	1.7845126	1.245557694	0.51936997
## 170	1.283002462	1.9777479	1.907241898	0.18982821
## 171	2.109413459	1.7218030	-0.009387215	0.36099117
## 172	2.508212341	2.0452347	0.031022356	0.12849275
## 173	1.433273723	1.7249756	1.111167696	0.60964174
## 174	1.645272208	1.4910036	0.184892255	1.71197243
## 175	2.226554898	2.0485954	3.226081001	-0.25893346
## 176	1.467104990	2.0307202	2.467939309	-0.23865434
## 177	1.411151203	1.8258608	1.694868835	0.10160808
## 178	0.748500808	1.9224079	1.784035392	-0.26655889
## 179	1.674571057	1.1079199	-0.971471972	3.69409706
## 180	0.450386368	1.8578742	2.162817044	0.15614826
## 181	1.019150949	1.3355519	0.217323749	2.48818865

## 182	1.291689598	1.9850443	2.203220257	-0.11120417
## 183	0.776558637	2.0299048	1.471629945	-0.49691081
## 184	0.747205831	1.5818536	3.016282127	0.36759671
## 185	0.990121887	1.9883737	2.040498785	-0.44979445
## 186	1.734625604	1.3811964	0.573163770	0.87245212
## 187	0.449954709	1.6716478	2.103274658	0.74553561
## 188	0.412508298	1.8291275	1.969435037	0.09092300
## 189	-0.518040413	1.5742854	1.077747144	0.03761617
## 190	-0.471313335	1.6810297	0.853766154	-0.01697145
## 191	-0.364585668	1.4670759	0.264401695	0.38247993
## 192	-0.126633689	1.6769006	1.694295357	-0.23637738
## 193	0.251769309	1.2563521	-0.140947595	1.01465505
## 194	-0.292714458	1.7987396	2.078068738	-0.41120481
## 195	-0.341491916	1.4588857	0.180495977	0.40472767
## 196	-0.367229578	1.7317232	1.251044867	-0.13423462
## 197	-0.275124357	1.4653145	0.180520727	0.41931441
##	Entropy_area.L.PET	Max_cooc.H.PET	Average_cooc.H.PET	Variance_cooc.H.PET
## 1	-0.5000553	-0.562264745	-0.62173115	-0.392661296
## 2	-0.6362274	-0.464419487	-0.65760120	-0.361437505
## 3	-0.5442329	0.534013012	-0.34277170	-0.615327488
## 4	-0.4937376	-0.491038220	-0.71683325	-0.225786234
## 5	-0.7925323	2.549358834	-0.09109055	-1.885381265
## 6	-0.5139189	0.918200008	-0.26774039	-1.027226006
## 7	-0.5628198	-0.679058798	-0.71539546	-0.183188138
## 8	-0.6509696	0.032571925	-0.48392750	-0.740811357
## 9	-0.5614709	-0.444891680	-0.66156388	-0.313600217
## 10	-0.6839905	-0.345698035	-0.60235254	-0.637614495
## 11	-0.4581006	-0.326638197	-0.65023700	-0.149536555
## 12	-0.4899169	0.455806604	-0.33213491	-0.704493050
## 13	-0.4093415	-0.674283924	-0.75074816	-0.042564089
## 14	-1.0506071	0.351996718	-0.35316305	-1.200727550
## 15	-0.5114515	-0.728647689	-0.74766781	-0.083738838
## 16	-0.6104155	0.022554208	-0.49221668	-0.431934608
## 17	-0.4786477	-0.339352688	-0.62302894	-0.294415054
## 18	-0.5035178	-0.542205516	-0.72821868	-0.328027284
## 19	-0.5383651	-0.623195945	-0.66743128	-0.187192298
## 20	-0.5127006	-0.606166619	-0.66622213	-0.284681088
## 21	-0.5736780	-0.407573105	-0.62005995	-0.456200877
## 22	-0.9160295	-0.056239145	-0.38944269	-0.831004380
## 23	-0.4247539	-0.651607238	-0.70970069	-0.063135528
## 24	-0.5723227	-0.598671177	-0.71082701	-0.196634207
## 25	-0.6385197	-0.113244161	-0.45742016	-0.316946262
## 26	-0.6954060	1.322922136	-0.33331037	-1.402231472
## 27	-0.7680208	-0.245869855	-0.56771663	-0.584213228
## 28	-0.5038755	-0.294459354	-0.62339177	-0.259569829
## 29	-0.6499612	0.530396164	-0.30152129	-0.692614240
## 30	-0.4093760	-0.647466899	-0.72881237	-0.131049748
## 31	-0.5533801	0.841262670	-0.26141814	-1.237463066
## 32	-0.4904902	-0.322474063	-0.59366574	-0.601382641
## 33	-0.4943862	-0.592341693	-0.69988485	-0.168616914
## 34	-0.5973875	-0.219742887	-0.62758531	-0.486541984
## 35	-0.6384640	-0.609680355	-0.69851160	-0.273140311
## 36	-0.7366760	0.521012981	-0.24992213	-1.194185043
## 37	-0.5400749	0.254960492	-0.41417744	-0.936538004

## 38	-0.7102892	-0.439989899	-0.59086135	-0.400817037
## 39	-0.4329032	-0.445811755	-0.65895001	-0.163444684
## 40	-0.4682970	-0.688196098	-0.72223012	-0.117475325
## 41	-0.5685650	-0.637726791	-0.70865692	-0.209758014
## 42	-0.5300436	-0.633729222	-0.67396682	-0.187104359
## 43	-0.5614172	0.754466248	-0.40251494	-1.099532249
## 44	-0.5537927	0.833093035	-0.26147521	-1.237471168
## 45	-0.9257684	5.623925583	0.46685328	-2.385736984
## 46	-0.4965150	-0.558854121	-0.80789965	-0.246633738
## 47	-0.4940296	1.933661833	-0.14246268	-0.657496363
## 48	-0.4897607	-0.512739308	-0.72498055	-0.145660245
## 49	-0.5163610	-0.492331084	-0.62833600	-0.175613128
## 50	-0.4297488	-0.238659954	-0.62073530	-0.123307094
## 51	-0.4928158	-0.475341416	-0.64958027	-0.251030693
## 52	-0.5002207	-0.497565996	-0.70819658	-0.208973629
## 53	-0.7242285	1.279567549	-0.25209073	-1.424000572
## 54	-0.5938112	-0.451252891	-0.61960903	-0.294025948
## 55	-0.6089220	-0.007998641	-0.53022198	-0.669636695
## 56	-0.5907025	0.219323434	-0.34596274	-0.387466475
## 57	-0.5545575	-0.369366181	-0.58498974	-0.391828686
## 58	-0.4516335	-0.536629542	-0.74919286	-0.076060802
## 59	-0.4466294	0.557435276	-0.35415220	-0.861043110
## 60	-0.4366870	-0.580420371	-0.81051822	-0.100072361
## 61	-0.5720271	-0.266809502	-0.66798795	-0.271810921
## 62	-0.5144181	0.187398404	-0.42128562	-0.745523234
## 63	-0.9254843	0.159494738	-0.46347371	-0.824241207
## 64	-0.5993481	-0.470693449	-0.75313914	-0.269199596
## 65	-0.6851731	-0.412823880	-0.63687876	-0.392870895
## 66	-0.5377346	-0.435500566	-0.72739463	0.003289651
## 67	-0.5965094	-0.037068264	-0.49430362	-0.479246854
## 68	-0.4837250	-0.581840143	-0.76251260	-0.115203472
## 69	-0.6062563	-0.053597894	-0.51948297	-0.656919415
## 70	-0.6607141	-0.510835704	-0.65818175	-0.268818215
## 71	-0.4855422	-0.498026034	-0.70756600	-0.175246244
## 72	-0.6980136	-0.156352865	-0.62729871	-0.584340403
## 73	-0.8687158	0.710088473	-0.38329252	-1.066363775
## 74	-0.5379597	0.592231575	-0.36639198	-0.639474330
## 75	-0.5106150	-0.410721984	-0.71970534	-0.295475134
## 76	-0.9256586	0.480704161	-0.45259332	-0.736634078
## 77	-0.6098390	2.231258631	-0.32241065	-0.852613899
## 78	-0.5464775	-0.519806439	-0.71646649	-0.116504324
## 79	-0.6109435	-0.146398602	-0.52013118	-0.657011445
## 80	-0.6843863	-0.245005302	-0.59915092	-0.509798835
## 81	-0.4682566	-0.535772920	-0.66440938	-0.282091417
## 82	-0.5449813	-0.463126622	-0.68604761	-0.349365810
## 83	-0.7671395	-0.228420150	-0.56759475	-0.584195924
## 84	-0.6490799	0.547845869	-0.30139940	-0.692596935
## 85	-0.5524988	0.858712375	-0.26129626	-1.237445761
## 86	-0.7094078	-0.422540193	-0.59073946	-0.400799732
## 87	-0.7379528	0.907222557	-0.42226496	-1.237282994
## 88	-0.4244823	-0.550882778	-0.61625107	-0.358539645
## 89	-0.4545656	-0.550771735	-0.63012964	-0.287803698
## 90	-0.4807349	-0.700149147	-0.67445486	-0.252141012
## 91	-0.5096283	-0.741949124	-0.75304025	-0.149408932

## 92	-0.5114267	-0.810843734	-0.79043696	-0.088857896
## 93	-0.5578950	-0.745859444	-0.71804544	-0.116728499
## 94	-0.6399286	-0.060895044	-0.50110038	-0.867913833
## 95	-0.5812828	0.008070952	-0.38831692	-1.053687248
## 96	-0.5404447	-0.672086847	-0.73145028	-0.237128195
## 97	-0.5435282	-0.817776026	-0.73874262	-0.155200563
## 98	-0.5399520	-0.662330876	-0.73138213	-0.237118521
## 99	-0.5130960	0.213572963	-0.42110279	-0.745497277
## 100	-0.7749634	-0.383325946	-0.56867675	-0.584349543
## 101	-0.5603227	0.703806579	-0.26237826	-1.237599380
## 102	-0.5122319	-0.826786420	-0.79054831	-0.088873706
## 103	-0.5100606	-0.783796690	-0.79024804	-0.088831074
## 104	-0.6394359	-0.051139072	-0.50103224	-0.867904158
## 105	-0.5088988	-0.760794806	-0.79008737	-0.088808263
## 106	-0.5145499	2.337670109	-0.22748711	-1.509876408
## 107	-0.5613635	-0.557719890	-0.71640134	-0.076664384
## 108	-0.4091889	0.631263394	-0.44238169	-0.661727806
## 109	-0.5042933	-0.059094551	-0.55229217	-0.139120436
## 110	-0.7317605	0.618334748	-0.24924235	-1.194088530
## 111	-0.4633815	-0.590874331	-0.72155034	-0.117378812
## 112	-0.5636494	-0.540405023	-0.70797714	-0.209661501
## 113	-0.5105854	-0.794187197	-0.79032061	-0.088841378
## 114	-0.4314650	-0.689132037	-0.61721672	-0.358676746
## 115	-0.9384782	0.226890261	-0.45436618	-0.736885784
## 116	-0.5594815	0.720463117	-0.26226191	-1.237582862
## 117	-0.4847490	-0.460152241	-0.62387271	-0.294534850
## 118	-0.4642020	-0.447437751	-0.65108078	-0.149656351
## 119	-0.5079726	-0.785700295	-0.80948415	-0.246858700
## 120	-0.4995236	-1.072145144	-0.67705321	-0.252509918
## 121	-0.5284171	-1.113945121	-0.75563860	-0.149777838
## 122	-0.5302154	-1.182839732	-0.79303531	-0.089226802
## 123	-0.5766838	-1.117855442	-0.72064380	-0.117097405
## 124	-0.6587174	-0.432891041	-0.50369874	-0.868282739
## 125	-0.6000716	-0.363925046	-0.39091527	-1.054056154
## 126	-0.5592335	-1.044082845	-0.73404863	-0.237497101
## 127	-0.5623170	-1.189772024	-0.74134097	-0.155569468
## 128	-0.5587407	-1.034326873	-0.73398049	-0.237487426
## 129	-0.5318848	-0.158423035	-0.42370115	-0.745866183
## 130	-0.7937522	-0.755321943	-0.57127510	-0.584718448
## 131	-0.5791115	0.331810582	-0.26497661	-1.237968286
## 132	-0.5310207	-1.198782417	-0.79314667	-0.089242612
## 133	-0.5288493	-1.155792688	-0.79284639	-0.089199980
## 134	-0.6582247	-0.423135070	-0.50363059	-0.868273064
## 135	-0.5276876	-1.132790803	-0.79268572	-0.089177169
## 136	-0.5333386	1.965674111	-0.23008546	-1.510245313
## 137	-0.5801523	-0.929715888	-0.71899969	-0.077033290
## 138	-0.4279777	0.259267396	-0.44498004	-0.662096711
## 139	-0.5230821	-0.431090549	-0.55489053	-0.139489342
## 140	-0.7505492	0.246338751	-0.25184070	-1.194457435
## 141	-0.4821703	-0.962870329	-0.72414869	-0.117747717
## 142	-0.5824382	-0.912401021	-0.71057549	-0.210030407
## 143	-0.5293742	-1.166183194	-0.79291896	-0.089210284
## 144	-0.4502538	-1.061128035	-0.61981507	-0.359045651
## 145	-0.5782702	0.348467119	-0.26486027	-1.237951768

## 146	-0.5035378	-0.832148238	-0.62647106	-0.294903755
## 147	-0.4829907	-0.819433748	-0.65367913	-0.150025256
## 148	1.8254190	-0.174675056	1.57419776	2.049187046
## 149	1.9986435	0.332667204	1.58939917	2.153799113
## 150	1.8725096	-0.140695720	1.53170923	1.898351916
## 151	1.8576997	-0.185144880	1.41447660	1.982466043
## 152	1.4096840	3.369122210	2.32668831	-0.447587842
## 153	1.6705186	-0.092518669	1.59165170	1.812361405
## 154	1.6402972	0.793989831	1.77042581	1.061139912
## 155	1.6767362	1.248633980	2.13894429	1.625480353
## 156	1.7490261	0.071254750	1.66089029	1.616755930
## 157	1.9548741	-0.263271971	1.33248404	2.248291697
## 158	1.9648822	1.924857664	2.12256537	0.678327081
## 159	1.9847671	-0.350853630	1.20983332	2.200268579
## 160	1.7140870	0.276368108	1.49489386	1.856791460
## 161	1.8293050	1.184783920	1.98829852	0.909366834
## 162	1.0071724	1.128976589	1.90392235	0.751930888
## 163	1.6594449	-0.131399786	1.32459148	1.862014110
## 164	1.4877948	-0.015660648	1.55711224	1.614671511
## 165	1.7826720	-0.061014019	1.37608050	2.406992603
## 166	1.6651224	0.735850584	1.84226253	1.441919593
## 167	1.8906910	-0.353693173	1.30584457	2.170006359
## 168	1.6456285	0.702791324	1.79190382	1.086574471
## 169	1.5367129	-0.211684296	1.51450626	1.862776872
## 170	1.8870566	-0.186064955	1.41573777	2.049920814
## 171	1.4621139	0.497281381	1.57627234	1.231732497
## 172	1.1207095	2.230164059	2.06428474	0.267685752
## 173	1.7822217	1.994450262	2.09808580	1.121464641
## 174	1.8369110	-0.011456855	1.39145908	1.809463033
## 175	1.0068239	1.771395434	1.92568313	0.927145145
## 176	1.6384631	5.272504375	2.18604847	0.695185504
## 177	1.7651860	-0.229625766	1.39793679	2.167404653
## 178	1.6362542	0.517189909	1.79060741	1.086390412
## 179	1.4893684	0.319976509	1.63256792	1.380815631
## 180	1.9216280	-0.261558727	1.50205101	1.836230467
## 181	1.7681786	-0.116266133	1.45877456	1.701681681
## 182	1.3238622	0.353146813	1.69568027	1.232021454
## 183	1.5599814	1.905678851	2.22807096	1.015219431
## 184	1.7531436	2.527411863	2.30827725	-0.074478221
## 185	1.4393254	-0.035093275	1.64939084	1.598813837
## 186	1.3822356	2.624432226	1.98633984	-0.074152687
## 187	2.0091764	-0.291778445	1.59836764	1.683334012
## 188	1.9490099	-0.291556357	1.57061048	1.824805907
## 189	1.8966714	-0.590311181	1.48196005	1.896131277
## 190	1.8388845	-0.673911135	1.32478926	2.101595437
## 191	1.8352878	-0.811700356	1.24999585	2.222697509
## 192	1.7423510	-0.681731776	1.39477888	2.166956303
## 193	1.5782838	0.688197024	1.82866900	0.664585636
## 194	1.6955754	0.826129016	2.05423593	0.293038806
## 195	1.7772517	-0.534186583	1.36796921	1.926156911
## 196	1.7710846	-0.825564940	1.35338454	2.090012177
## 197	1.7782372	-0.514674639	1.36810550	1.926176261
##	Entropy_cooc.H.PET	DAVE_cooc.H.PET	DVAR_cooc.H.PET	DENT_cooc.H.PET
## 1	-0.440590141	-0.4245347887	-0.506653757	0.081928894

## 2	-0.197858089	-0.2002921804	-0.307115766	-0.832642587
## 3	-1.230485500	-0.6542875903	-0.342257649	-0.014962716
## 4	-0.481518753	-0.5565737395	-0.535221893	-0.068550704
## 5	-1.473961472	-1.4624813629	-1.509103657	-0.271428988
## 6	-1.389464889	-0.9100846372	-0.472989895	-1.367100744
## 7	-0.018923005	-0.0767496625	-0.052708644	-0.698567497
## 8	-0.258179302	-0.3782704034	-0.522894138	-0.404405746
## 9	-0.689597811	-0.7486548860	-1.060364799	0.084938763
## 10	-0.554120258	-0.2924527805	-0.351649298	-0.026242792
## 11	-0.713256913	-0.6541184151	-0.648509888	-0.321401916
## 12	-1.285467622	-0.7506781510	-0.385418533	-1.211392982
## 13	-0.137900591	-0.1476990734	-0.043130993	-0.346005628
## 14	-0.905692131	-0.4123389041	-0.761234048	-0.011253354
## 15	-1.100705156	-0.2004661559	-0.195386986	0.440124977
## 16	-0.060297498	-0.3276417938	-0.084290764	-0.583296603
## 17	-0.693192545	-0.6272381855	-0.544392486	-0.369059474
## 18	-0.355202678	-0.6280872615	-0.635977643	0.043010274
## 19	-0.300943273	-0.1257058674	-0.167311762	0.184603380
## 20	-0.331453752	-0.4705521754	-0.627708819	0.130478430
## 21	-0.612275088	-0.3725223758	-0.385512373	-0.139299829
## 22	-0.290622326	-0.1888471832	-0.362482854	-0.678320496
## 23	-0.271088952	-0.0089595939	-0.058852324	-1.142801133
## 24	-0.404199270	-0.0004683977	0.042172772	0.116080870
## 25	-0.973544734	-0.5030079117	-0.491122752	-0.655517935
## 26	-1.197245543	-1.1653773590	-1.121447485	0.067383226
## 27	-0.368635959	-0.5591539878	-0.781332454	-1.047127117
## 28	-0.750863797	-0.2906929516	-0.091488049	-0.444534749
## 29	-1.299442793	-0.6590803528	-0.169185054	0.439997948
## 30	-0.177209717	-0.1740479214	-0.021112615	-1.501761055
## 31	-1.252848189	-1.0083393249	-1.109901345	-1.152842536
## 32	-0.534539763	-0.8701870853	-1.007084178	-0.247462085
## 33	-0.345769960	-0.2790155023	-0.261962336	0.121806057
## 34	-0.356606292	-0.5367962479	-0.685066696	-1.539039390
## 35	-0.220325622	-0.2323032319	-0.193521292	0.282755851
## 36	-0.276929880	-0.6209574671	-0.831813258	-1.150260905
## 37	-1.068716554	-0.5234187555	-0.588526021	-0.247433795
## 38	-0.413452928	-0.1525238382	-0.230745012	-0.540882740
## 39	-0.557339792	-0.4155366490	-0.237959171	-0.075578910
## 40	-0.053859607	0.0177169855	0.006343316	-0.717864831
## 41	0.003762757	-0.2258860679	-0.326723409	0.293524482
## 42	-0.248816971	-0.1975468299	-0.166528818	0.202593812
## 43	-1.114285101	-1.2102551772	-1.159575363	0.142504039
## 44	-1.253151529	-1.0084891532	-1.109915173	-1.153413890
## 45	-0.190917477	-2.2715498133	-2.242374653	-1.970787560
## 46	0.144274293	-0.9339329514	-1.103227245	-1.483104414
## 47	-1.546626001	-0.8810556069	0.294423643	-1.612408422
## 48	-0.273089823	-0.5357631594	-0.430981330	-0.048223269
## 49	-0.243696992	0.1675962778	0.037359010	-0.483420641
## 50	-0.634053478	-0.2335801188	-0.144288204	-0.234798002
## 51	-0.478832863	-0.0335862882	0.050863315	-0.036258678
## 52	-0.291524102	-0.0898149881	-0.006925006	-0.445673019
## 53	-1.278774394	-1.1502855681	-1.191261165	-0.057057064
## 54	-0.176636904	-0.2888651908	-0.094730889	-0.793768899
## 55	-0.161038124	-0.6497217522	-0.793888621	-0.384684058

## 56	-1.174434028	-0.3291277131	-0.142753838	-1.001611303
## 57	-0.612390240	-0.4495677653	-0.361592766	-0.140044808
## 58	-0.080070306	-0.1919289930	-0.047669651	-0.747639018
## 59	-0.044588279	-0.9983446082	-0.864272673	-1.149564186
## 60	0.061892259	-0.5857853277	-0.489448525	-0.805832783
## 61	-0.706389633	-0.7799739632	-0.864880609	-0.444459308
## 62	-1.057509440	-0.5772468557	-0.450939499	-0.811666693
## 63	-0.068045645	-0.4990995730	-0.451239574	-0.633307251
## 64	-0.335811256	-0.6367601427	-0.796580152	-0.500299429
## 65	-0.112580183	-0.4774841381	-0.606278495	-0.849974575
## 66	-0.296443817	-0.3039513086	-0.187855031	-0.937603597
## 67	-0.892462648	-0.3710165279	-0.172113496	-0.563357467
## 68	-0.666565711	-0.5846982719	-0.620727166	0.236040749
## 69	-0.785886690	-0.3655960862	-0.490677889	-0.383983456
## 70	-0.217121402	0.2732081207	0.376535368	-0.820569272
## 71	-0.355511615	0.1070148453	0.111736478	-0.861960245
## 72	-0.652405590	-0.3704324881	-0.443635177	-0.166484618
## 73	-0.176552970	-0.8314548490	-0.814694402	-0.800316169
## 74	-0.294220300	-0.6029272945	-0.276290719	-1.033937166
## 75	-0.275811348	-0.7840949710	-0.948346282	-0.757241089
## 76	-0.199756177	-0.0477616531	-0.089350056	-0.763321846
## 77	-1.549157865	-0.9898299923	-0.129501734	-1.576433106
## 78	-0.201385087	0.0722196043	0.077615590	-0.811331092
## 79	-0.789332405	-0.3672980202	-0.490834961	-0.390473591
## 80	-0.755919279	-0.7642248185	-0.814169593	-0.350158760
## 81	-0.058279252	-0.2436276391	-0.236559498	-0.913623936
## 82	-0.508458941	-0.6791403364	-0.854566317	-0.046525295
## 83	-0.367988047	-0.5588339660	-0.781302919	-0.491194380
## 84	-1.298794881	-0.6587603311	-0.169155519	-1.222918795
## 85	-0.074178133	-1.0080193031	-1.109871810	-1.151622169
## 86	-0.412805016	-0.1522038164	-0.230715477	0.015049997
## 87	-0.043807544	-0.8537970243	-0.937085959	-0.650384072
## 88	-0.511542120	-0.3418960003	-0.479830491	0.014863614
## 89	-0.535677732	-0.3167661444	-0.362435464	-0.099277887
## 90	-0.324431856	-0.4233528901	-0.392941802	-0.928643328
## 91	-0.381141548	-0.3178911665	-0.339703308	0.072469384
## 92	0.007156049	-0.3095116870	-0.223939951	0.306392700
## 93	-0.209778495	0.0680738675	0.077232979	-0.827140395
## 94	-0.894959760	-0.8497641679	-0.907560758	-0.577204752
## 95	-0.024199955	-0.6901370121	-0.834149739	-0.538788701
## 96	-0.208492684	-0.3398379694	-0.248169796	-0.578837270
## 97	-0.155508193	0.1142688663	0.175014402	0.362030351
## 98	-0.208130442	-0.3396590481	-0.248153284	-0.578154974
## 99	-1.056537572	-0.5767668230	-0.450895197	-0.809836142
## 100	-0.373739740	-0.5616748867	-0.781565108	-0.502027912
## 101	-0.079929826	-1.0108602237	-1.110134000	-1.162455702
## 102	0.006564093	-0.3098040706	-0.223966936	0.305277728
## 103	0.008160313	-0.3090156533	-0.223894172	0.308284269
## 104	-0.894597519	-0.8495852467	-0.907544245	-0.576522455
## 105	0.009014379	-0.3085938064	-0.223855240	0.309892935
## 106	-1.566940699	-1.5762347054	-1.352813409	-0.033417442
## 107	-0.037665632	-0.4064446847	-0.641818859	0.310649008
## 108	-1.302514486	-1.2487961277	-1.049298494	-0.261364286
## 109	-0.911495657	-0.8865289976	-1.005422006	-0.663453095

## 110	-1.215734012	-0.6191726184	-0.831648534	-1.143454584
## 111	-0.050246024	0.0195018343	0.006508040	-0.711058511
## 112	0.007376340	-0.2241012191	-0.326558684	0.300330803
## 113	0.007774511	-0.3092062117	-0.223911759	0.307557596
## 114	-0.516675351	-0.3444314456	-0.480064488	0.005194977
## 115	-0.209180354	-0.0524165154	-0.089779655	-0.781072642
## 116	-0.079311365	-1.0105547484	-1.110105807	-1.161290806
## 117	-0.697677865	-0.6294536091	-0.544596948	-0.377507744
## 118	-0.717742232	-0.6563338386	-0.648714350	-0.329850185
## 119	0.135851435	-0.9380932345	-1.103611199	-1.498969188
## 120	-0.338244166	-0.4301751726	-0.393571433	-0.954659339
## 121	-0.394953857	-0.3247134490	-0.340332939	0.046453374
## 122	-0.006656260	-0.3163339696	-0.224569582	0.280376690
## 123	-0.223590805	0.0612515850	0.076603348	-0.853156405
## 124	-0.908772070	-0.8565864505	-0.908190389	-0.603220762
## 125	-0.038012265	-0.6969592947	-0.834779370	-0.564804711
## 126	-0.222304994	-0.3466602519	-0.248799427	-0.604853280
## 127	-0.169320503	0.1074465838	0.174384771	0.336014340
## 128	-0.221942752	-0.3464813306	-0.248782914	-0.604170984
## 129	-1.070349882	-0.5835891055	-0.451524827	-0.835852153
## 130	-0.387552050	-0.5684971692	-0.782194739	-0.528043922
## 131	-0.093742136	-1.0176825062	-1.110763631	-1.188471712
## 132	-0.007248216	-0.3166263531	-0.224596566	0.279261718
## 133	-0.005651996	-0.3158379358	-0.224523803	0.282268259
## 134	-0.908409828	-0.8564075292	-0.908173876	-0.602538466
## 135	-0.004797930	-0.3154160889	-0.224484871	0.283876925
## 136	-1.580753008	-1.5830569880	-1.353443039	-0.059433452
## 137	-0.051477941	-0.4132669672	-0.642448490	0.284632998
## 138	-1.316326795	-1.2556184102	-1.049928124	-0.287380297
## 139	-0.925307967	-0.8933512801	-1.006051637	-0.689469105
## 140	-1.229546322	-0.6259949009	-0.832278165	-1.169470594
## 141	-0.064058334	0.0126795517	0.005878409	-0.737074521
## 142	-0.006435970	-0.2309235016	-0.327188315	0.274314793
## 143	-0.006037799	-0.3160284942	-0.224541390	0.281541586
## 144	-0.530487661	-0.3512537282	-0.480694119	-0.020821033
## 145	-0.093123674	-1.0173770309	-1.110735438	-1.187306816
## 146	-0.711490174	-0.6362758916	-0.545226579	-0.403523754
## 147	-0.731554542	-0.6631561212	-0.649343981	-0.355866195
## 148	1.821579622	2.7085564260	2.348678189	1.463435059
## 149	1.040866651	1.9062036328	1.985383762	1.960680337
## 150	1.351307882	2.3061912939	2.375686800	2.357758984
## 151	1.725925402	2.1937338942	2.260110158	1.538930304
## 152	-0.248575182	0.0727927342	-0.108562159	2.316162213
## 153	1.955699799	1.7956334887	2.084498392	0.842738543
## 154	1.986897360	1.0739203660	0.686182927	1.660908225
## 155	-0.039894449	1.7151084442	1.988452494	0.427053735
## 156	1.084193128	1.4742283398	1.550774638	2.150186724
## 157	2.148832996	1.9895058845	2.178620868	0.934998305
## 158	2.219797050	0.3766746540	0.545414823	0.131147968
## 159	2.432758126	1.2017932150	1.295063120	0.818610774
## 160	0.896194341	0.8134159440	0.544198951	1.541357725
## 161	0.193954726	1.2188701591	1.372081172	0.806942954
## 162	2.172882318	1.3751647244	1.371481022	1.163661838
## 163	1.637351095	1.0998435849	0.680799866	1.429677483

## 164	2.083813242	1.4183955942	1.061403179	0.730327191
## 165	1.716085972	1.7654612533	1.898250108	0.555069146
## 166	0.524048311	1.6313308147	1.929733179	1.303561407
## 167	0.975842185	1.2039673266	1.032505837	2.902357838
## 168	0.737200226	1.6421716980	1.292604392	1.662309429
## 169	1.874730803	2.9197801119	3.027030906	0.789137796
## 170	1.597950378	2.5873935610	2.497433127	0.706355851
## 171	1.004162427	1.6324988942	1.386689815	2.097307104
## 172	1.955867668	0.7104541724	0.644571365	0.829644003
## 173	1.720533006	1.1675092815	1.721378731	0.362402008
## 174	1.757350910	0.8051739285	0.377267606	0.915794163
## 175	1.909461252	2.2778405643	2.095260058	0.903632649
## 176	-0.789342124	0.3937038858	2.014956703	-0.722589871
## 177	1.906203432	2.5178030789	2.429191350	0.807614156
## 178	0.730308797	1.6387678300	1.292290247	1.649329159
## 179	0.797135048	0.8449142334	0.645620983	1.729958821
## 180	2.192415103	1.8861085923	1.800841173	0.603028468
## 181	1.292055724	1.0150831976	0.564827536	2.337225751
## 182	1.572997513	1.2556959384	0.711354332	1.447887581
## 183	-0.288616155	1.0558432083	1.935649131	-0.015561250
## 184	2.160617340	0.3573252643	0.054216549	0.127032002
## 185	1.483363575	2.0689562377	1.812529216	2.460376335
## 186	2.221358518	0.6657698219	0.399788251	1.129508197
## 187	1.285889367	1.6895718697	1.314299187	2.460003568
## 188	1.237618143	1.7398315815	1.549089241	2.231720567
## 189	1.660109894	1.5266580902	1.488076566	0.572989684
## 190	1.546690511	1.7375815375	1.594553553	2.575215108
## 191	2.323285706	1.7543404963	1.826080267	3.043061740
## 192	1.889416617	2.5095116055	2.428426127	0.775995551
## 193	0.519054086	0.6738355345	0.458838654	1.275866837
## 194	2.260573697	0.9930898461	0.605660692	1.352698938
## 195	1.891988239	1.6936879317	1.777620577	1.272601800
## 196	1.997957221	2.6019016030	2.623988973	3.154337042
## 197	1.892712722	1.6940457743	1.777653603	1.273966393
##	SAVE_cooc.H.PET	SVAR_cooc.H.PET	SENT_cooc.H.PET	ASM_cooc.H.PET
## 1	-0.57021320	-0.21121323	0.0703005604	-0.4257043700
## 2	-0.69322153	-0.51771839	0.2184947446	-0.4923348247
## 3	-0.28179187	-0.04897359	-0.7390982693	0.5293037719
## 4	-0.66854100	-0.06049054	0.0340870104	-0.3939640000
## 5	-0.02157412	-0.22370520	-0.9922796780	2.2056452633
## 6	-0.20421566	-1.12758322	-0.9055868212	1.1479491200
## 7	-0.66705447	-0.38156334	0.3503442171	-0.5386198239
## 8	-0.42773547	-0.94107845	-0.3392477517	-0.1184186737
## 9	-0.61139698	0.01622488	-0.2223762706	-0.2935866003
## 10	-0.55017730	-0.87182553	-0.0498004922	-0.3365273076
## 11	-0.59968592	0.12913249	-0.1861431078	-0.2607274127
## 12	-0.27079430	-0.12931466	-0.7949631009	0.6850383226
## 13	-0.70360625	-0.72205086	0.2519595995	-0.5231266318
## 14	-0.29253568	-1.56735005	-0.4523622953	0.0464609951
## 15	-0.41401596	-0.12082960	0.4334406708	-0.5586612529
## 16	-0.72271127	-0.59851530	-0.4304210398	0.0219807787
## 17	-0.57155501	-0.12713261	-0.1803261018	-0.2761597995
## 18	-0.39390715	-0.15737972	0.1247409229	-0.4353602526
## 19	-0.61746340	-0.33077011	0.1478059183	-0.4798940590

## 20	-0.61621324	-0.17448013	0.1641615260	-0.4708705515
## 21	-0.56848531	0.05438453	-0.1069641259	-0.3187356750
## 22	-0.67373245	-1.22538470	-0.4908832529	-0.0204005198
## 23	-0.66116652	-0.24249746	0.0178312825	-0.4807453333
## 24	-0.37592555	-0.47333111	0.0642921482	-0.4434351973
## 25	-0.40032905	-0.23656871	-0.4666000858	-0.0006631174
## 26	-0.27200966	-0.26227866	-0.7011039513	0.9227019431
## 27	-0.51436659	-0.54863490	0.0681162775	-0.4076087108
## 28	-0.57193011	-0.35673245	-0.2657441279	-0.2096144722
## 29	-0.23914234	-0.79961956	-0.8204074174	0.7435087052
## 30	-0.68092641	-0.39699792	0.2426181039	-0.5071469973
## 31	-0.19767894	-1.26593912	-0.7667359486	0.6261301418
## 32	-0.54119585	-0.14008713	-0.0454290209	-0.3388500703
## 33	-0.36461228	-0.33688998	0.1437547891	-0.4588189398
## 34	-0.57626592	-0.43326436	0.1390444525	-0.4198548995
## 35	-0.64959792	-0.38943709	0.2375739868	-0.4947913591
## 36	-0.64404174	-1.43243291	-0.7906210488	0.4765490881
## 37	-0.35561964	-1.14492120	-0.5743821318	0.2008091848
## 38	-0.53829634	-0.62410343	0.0098350785	-0.4178604854
## 39	-0.60869443	-0.10704882	-0.0294013824	-0.3620412142
## 40	-0.67412093	-0.35739804	0.3334049475	-0.5408574592
## 41	-0.66008734	-0.26746248	0.2858849916	-0.5322109446
## 42	-0.62422059	-0.28597855	0.1990105349	-0.4947305538
## 43	-0.34356157	-0.07776692	-0.5877333519	0.4934529633
## 44	-0.19770844	-1.26594220	-0.7671100442	0.6136042487
## 45	-0.64799161	-2.49621519	-1.4798381956	7.3847250725
## 46	-0.76307915	-0.38890433	0.4286471615	-0.3851958749
## 47	-0.64788258	-0.74825675	-1.0673588621	2.0348918020
## 48	-0.67734760	0.02818168	0.1566992255	-0.3212894979
## 49	-0.57742497	-0.55553954	0.0233406584	-0.2811336735
## 50	-0.56956649	-0.17102945	-0.1444982699	-0.1643266800
## 51	-0.59938986	-0.53463199	-0.0100352126	-0.2629893701
## 52	-0.65999432	-0.42128067	0.1464682539	-0.3162913017
## 53	-0.18841810	-0.22467573	-0.7855431541	1.0644755954
## 54	-0.56840205	-0.40833707	0.2643410764	-0.3262998551
## 55	-0.47598308	-0.62947443	-0.2376281146	-0.0044330464
## 56	-0.28547410	-0.51609860	-0.7022890718	0.4672093931
## 57	-0.53260853	-0.10813233	-0.0840930791	-0.1621133668
## 58	-0.70238110	-0.14615140	0.3330395686	-0.3604724373
## 59	-0.29394133	-0.75223619	-0.7179796610	0.6964697202
## 60	-0.76578654	-0.46117713	0.4322882382	-0.3861201155
## 61	-0.61842191	0.05121054	-0.1918700403	-0.1066589274
## 62	-0.64975730	-0.85691001	-0.5512085397	0.3261532433
## 63	-0.69337631	-1.01678156	-0.4526194407	0.2136877487
## 64	-0.70646126	-0.32577767	0.1549297167	-0.2898531545
## 65	-0.58625754	-0.33883613	0.2867628452	-0.3422551675
## 66	-0.67984356	0.07262036	0.2003979576	-0.2992171717
## 67	-0.43884643	-0.62502935	-0.4001839404	0.0928311217
## 68	-0.71615267	0.14162942	0.3255227881	-0.3701404810
## 69	-0.66536371	-0.82700581	-0.2825740744	0.0072294114
## 70	-0.63692362	-0.84971909	0.1849045859	-0.3365394687
## 71	-0.65943975	-0.52831514	0.1368692497	-0.2586965155
## 72	-0.57644988	-0.12714636	-0.1504249622	-0.0253135886
## 73	-0.66785397	-1.14338552	-0.5505297195	0.5116459109

## 74	-0.65038020	-0.72160397	-0.6809685245	0.5786290364
## 75	-0.67199081	-0.56123937	0.0453505587	-0.2168624647
## 76	-0.68222428	-1.23111514	-0.6085465093	0.4161450968
## 77	-0.71946928	-0.90598450	-1.0714092649	2.2028238971
## 78	-0.66864213	-0.40738193	0.2104277167	-0.3014912901
## 79	-0.66569880	-0.82704075	-0.2868235106	-0.1350550055
## 80	-0.54693006	-0.32918152	-0.2031339518	-0.1657616852
## 81	-0.61440201	-0.38645387	0.1566687167	-0.4298391308
## 82	-0.63677414	-0.11625355	0.0184650660	-0.3460737407
## 83	-0.51430358	-0.54862833	0.0689153168	-0.3808543760
## 84	-0.23907934	-0.79961299	-0.8196083781	0.7702630400
## 85	-0.65586467	-1.26593255	-0.7659369093	0.6528844766
## 86	-0.53823333	-0.32553083	0.0106341178	-0.3911061506
## 87	-0.36404445	-1.36686021	-0.4612832058	0.3295826626
## 88	-0.56461027	-0.39074407	0.0066418269	-0.3817664556
## 89	-0.57895956	-0.32394440	-0.0409264345	-0.3680001342
## 90	-0.62422886	-0.80135642	-1.1672987007	-0.6798705506
## 91	-0.70547975	-0.41832045	-1.1825763318	-0.6675513955
## 92	-0.74414486	-0.05844058	-0.9780738491	-0.7539435748
## 93	-0.66945839	-0.40746702	0.2000765259	-0.6480815364
## 94	-0.44495924	-0.81551894	-1.5739083642	-0.2121074897
## 95	-0.32838560	-1.18616109	-1.7228304006	-0.2249860536
## 96	-0.68312225	-0.26071504	-1.2548320016	-0.6233094546
## 97	-0.69069719	-0.52030993	-1.1537985688	-0.7299741231
## 98	-0.68308702	-0.26071137	-1.2543852660	-0.6083513492
## 99	-0.64966279	-0.85690015	-0.5500099808	0.3662847455
## 100	-0.51486293	-0.54868664	0.0618220272	-0.6183599027
## 101	-0.65642402	-1.26599086	-0.7730301989	0.4153789499
## 102	-0.74420242	-0.05844658	-0.9788038805	-0.7783873080
## 103	-0.74404719	-0.05843040	-0.9768353383	-0.7124743559
## 104	-0.44492401	-0.81551527	-1.5734616286	-0.1971493844
## 105	-0.74396413	-0.05842174	-0.9757820592	-0.6772072782
## 106	-0.16252459	-0.25813109	-1.0596052754	2.1532554113
## 107	-0.66844583	0.11040942	0.3899863721	-0.3867768128
## 108	-0.38513194	-0.32034199	-0.7759960875	0.8718565459
## 109	-0.49877041	0.33011142	-0.3710346241	0.0870667787
## 110	-0.75825250	-1.43239628	-0.7861645888	0.6257653099
## 111	-0.67376951	-0.35736141	0.3378614075	-0.3916412373
## 112	-0.65973592	-0.26742585	0.2903414516	-0.3829947228
## 113	-0.74408471	-0.05843431	-0.9773111298	-0.7284053462
## 114	-0.56510948	-0.39079611	0.0003112566	-0.5937337536
## 115	-0.68314078	-1.23121068	-0.6201688989	0.0269911360
## 116	-0.65636387	-1.26598459	-0.7722674796	0.4409171786
## 117	-0.57199120	-0.12717809	-0.1858576329	-0.4613727627
## 118	-0.60012212	0.12908702	-0.1916746389	-0.4459403759
## 119	-0.76389827	-0.38898972	0.4182596508	-0.7330022273
## 120	-0.62557211	-0.80149645	-1.1843327655	-1.2502243244
## 121	-0.70682299	-0.41846048	-1.1996103966	-1.2379051693
## 122	-0.74548810	-0.05858061	-0.9951079139	-1.3242973486
## 123	-0.67080163	-0.40760705	0.1830424612	-1.2184353102
## 124	-0.44630248	-0.81565897	-1.5909424290	-0.7824612635
## 125	-0.32972884	-1.18630111	-1.7398644654	-0.7953398274
## 126	-0.68446549	-0.26085507	-1.2718660664	-1.1936632284
## 127	-0.69204043	-0.52044996	-1.1708326335	-1.3003278968

## 128	-0.68443026	-0.26085140	-1.2714193308	-1.1787051230
## 129	-0.65100603	-0.85704018	-0.5670440456	-0.2040690282
## 130	-0.51620618	-0.54882667	0.0447879624	-1.1887136765
## 131	-0.65776726	-1.26613089	-0.7900642637	-0.1549748239
## 132	-0.74554566	-0.05858661	-0.9958379453	-1.3487410818
## 133	-0.74539043	-0.05857043	-0.9938694030	-1.2828281297
## 134	-0.44626725	-0.81565529	-1.5904956934	-0.7675031581
## 135	-0.74530738	-0.05856177	-0.9928161240	-1.2475610520
## 136	-0.16386783	-0.25827111	-1.0766393402	1.5829016376
## 137	-0.66978907	0.11026940	0.3729523073	-0.9571305866
## 138	-0.38647519	-0.32048202	-0.7930301523	0.3015027721
## 139	-0.50011365	0.32997139	-0.3880686888	-0.4832869951
## 140	-0.75959574	-1.43253631	-0.8031986536	0.0554115362
## 141	-0.67511275	-0.35750143	0.3208273427	-0.9619950111
## 142	-0.66107917	-0.26756587	0.2733073868	-0.9533484965
## 143	-0.74542795	-0.05857434	-0.9943451946	-1.2987591199
## 144	-0.56645272	-0.39093614	-0.0167228082	-1.1640875274
## 145	-0.65770711	-1.26612462	-0.7893015444	-0.1294365952
## 146	-0.57333444	-0.12731811	-0.2028916977	-1.0317265365
## 147	-0.60146536	0.12894699	-0.2087087037	-1.0162941497
## 148	1.69935974	1.39890278	1.8962353529	0.0769609368
## 149	1.71507670	2.16792297	1.5605574963	0.3105749238
## 150	1.65542995	1.44071789	1.8294836110	0.1132495436
## 151	1.53422104	1.66742052	2.1424905438	0.0066456805
## 152	2.47737347	2.06063041	0.2784677278	2.7681794747
## 153	1.71740558	1.69330771	2.3782361890	-0.0133714264
## 154	1.90224353	1.25103301	1.3742978069	0.6303621911
## 155	2.28326149	1.47778466	0.4449758925	1.5736470699
## 156	1.78899262	2.29371721	1.6813678779	0.3150015501
## 157	1.44944749	2.21767906	2.5156331733	-0.0817165908
## 158	2.26632702	1.00550948	0.4135947142	2.0321677242
## 159	1.32263660	1.58762760	2.7141305126	-0.1330119472
## 160	1.61736587	2.61240294	1.4658139555	0.4259104290
## 161	1.55469508	0.79616185	0.7471369566	1.2915347705
## 162	1.46745707	0.47641873	0.9443151547	1.0666037812
## 163	1.44128717	1.85842652	2.1594134695	0.0595219749
## 164	1.68169460	1.83230959	2.4230797265	-0.0452820512
## 165	1.49452255	2.65522257	2.2503499514	0.0407939405
## 166	1.97651683	1.25992315	1.0491861553	0.8248905273
## 167	1.42190434	2.79324071	2.5005996124	-0.1010526782
## 168	1.52348227	0.85597023	1.2844058873	0.6536871066
## 169	1.58036245	0.81054367	2.2193632079	-0.0338506536
## 170	1.53533018	1.45335157	2.1232925354	0.1218352529
## 171	1.70130993	2.25568914	1.5487041117	0.5886011067
## 172	1.51850174	0.22321082	0.7484945970	1.6625201057
## 173	1.55344928	1.06677391	0.4876169871	1.7964863567
## 174	1.51022806	1.38750312	1.9402551535	0.2055033544
## 175	1.48976112	0.04775158	0.6324610176	1.4715184773
## 176	1.41527113	0.69801285	-0.2932644936	5.0448760780
## 177	1.51692542	1.69521800	2.2704094694	0.0362457036
## 178	1.52281208	0.85590037	1.2759070149	0.3691182728
## 179	1.76034955	1.85161882	1.4432861324	0.3077049134
## 180	1.62540567	1.73707412	2.1628914696	-0.2204499778
## 181	1.58066140	2.27747476	1.8864841680	-0.0529191977

## 182	1.82560251	1.41272520	1.9873846698	-0.1224804681
## 183	2.37605101	0.91075589	0.2103372799	2.1797543639
## 184	1.54248035	-0.02188324	0.3176802175	1.9449972370
## 185	1.77774302	1.85892020	1.8708222716	-0.1429840175
## 186	2.12612078	-0.22373856	0.9269876246	1.2983936090
## 187	1.72498913	1.72849372	1.8628376900	-0.1243046273
## 188	1.69629056	1.86209306	1.7677011671	-0.0967719846
## 189	1.60575195	0.90726901	-0.4850433653	-0.7205128174
## 190	1.44325019	1.67334095	-0.5155986276	-0.6958745072
## 191	1.36591997	2.39310069	-0.1065936622	-0.8686588658
## 192	1.51529291	1.69504782	2.2497070879	-0.6569347890
## 193	1.96429121	0.87894398	-1.2982626924	0.2150133043
## 194	2.19743849	0.13765969	-1.5961067652	0.1892561766
## 195	1.48796519	1.98855177	-0.6601099671	-0.6073906254
## 196	1.47281531	1.46936200	-0.4580431015	-0.8207199623
## 197	1.48803564	1.98855912	-0.6592164959	-0.5774744147
##	Contrast_cooc.H.PET	Dissimilarity_cooc.H.PET	Inv_diff_cooc.H.PET	
## 1	-0.415067408	-0.4245347887	-0.66999406	
## 2	-0.105900994	-0.2002921804	-0.88579131	
## 3	-0.560691161	-0.6542875903	0.35657285	
## 4	-0.550385535	-0.5565737395	-0.46677106	
## 5	-1.550122363	-1.4624813629	1.06151983	
## 6	-0.815259815	-0.9100846372	0.75018701	
## 7	0.131991234	-0.0767496625	-0.95551384	
## 8	-0.375922029	-0.3782704034	-0.44062319	
## 9	-0.921944763	-0.7486548860	-0.39634797	
## 10	-0.221259820	-0.2924527805	-0.59535722	
## 11	-0.681028906	-0.6541184151	-0.24520438	
## 12	-0.658053312	-0.7506781510	0.53049538	
## 13	0.055687182	-0.1476990734	-0.87054354	
## 14	-0.503322158	-0.4123389041	-0.44309580	
## 15	-0.062134381	-0.2004661559	-0.94327440	
## 16	-0.152316666	-0.3276417938	-0.21051568	
## 17	-0.616822755	-0.6272381855	-0.19984224	
## 18	-0.653593091	-0.6280872615	-0.52086461	
## 19	0.031385424	-0.1257058674	-0.84850123	
## 20	-0.506923059	-0.4705521754	-0.72531361	
## 21	-0.316142608	-0.3725223758	-0.50992845	
## 22	-0.115236837	-0.1888471832	-0.49816809	
## 23	0.208428353	-0.0089595939	-0.86429504	
## 24	0.258211355	-0.0004683977	-0.80717769	
## 25	-0.483749038	-0.5030079117	-0.19406251	
## 26	-1.240539204	-1.1653773590	0.63289245	
## 27	-0.649546076	-0.5591539878	-0.71436715	
## 28	-0.117081097	-0.2906929516	-0.37603649	
## 29	-0.496708909	-0.6590803528	0.40446426	
## 30	0.035252524	-0.1740479214	-0.82782401	
## 31	-1.135171996	-1.0083393249	0.37576135	
## 32	-0.995844137	-0.8701870853	-0.29655745	
## 33	-0.171974824	-0.2790155023	-0.73177331	
## 34	-0.591305037	-0.5367962479	-0.57349005	
## 35	-0.095675647	-0.2323032319	-0.79747784	
## 36	-0.724413632	-0.6209574671	-0.05162457	
## 37	-0.541018013	-0.5234187555	-0.06783564	

## 38	-0.023476058	-0.1525238382	-0.82406357
## 39	-0.300587560	-0.4155366490	-0.46085225
## 40	0.265736427	0.0177169855	-1.03895421
## 41	-0.141210879	-0.2258860679	-0.92736211
## 42	-0.047613017	-0.1975468299	-0.85345675
## 43	-1.282090756	-1.2102551772	0.61722742
## 44	-1.135177436	-1.0084891532	0.37045554
## 45	-2.043055766	-2.2715498133	2.62076989
## 46	-1.081872159	-0.9339329514	-0.58267478
## 47	-0.493388817	-0.8810556069	1.23639535
## 48	-0.492180769	-0.5357631594	-0.53972344
## 49	0.459952615	0.1675962778	-0.90291416
## 50	-0.079747090	-0.2335801188	-0.45492828
## 51	0.220410007	-0.0335862882	-0.68313496
## 52	0.132853347	-0.0898149881	-0.77936080
## 53	-1.260036017	-1.1502855681	0.64672362
## 54	-0.118478525	-0.2888651908	-0.69952117
## 55	-0.736117119	-0.6497217522	-0.21695478
## 56	-0.178816673	-0.3291277131	-0.02871685
## 57	-0.384057809	-0.4495677653	-0.36988586
## 58	0.003139535	-0.1919289930	-0.81644484
## 59	-1.033039023	-0.9983446082	0.60418439
## 60	-0.560386913	-0.5857853277	-0.68348010
## 61	-0.871735864	-0.7799739632	-0.11795240
## 62	-0.537609413	-0.5772468557	0.10822983
## 63	-0.466224716	-0.4990995730	-0.07165789
## 64	-0.725996362	-0.6367601427	-0.50867154
## 65	-0.506902778	-0.4774841381	-0.74853041
## 66	-0.170738715	-0.3039513086	-0.63832916
## 67	-0.232627650	-0.3710165279	-0.17930925
## 68	-0.611064294	-0.5846982719	-0.65012043
## 69	-0.352535025	-0.3655960862	-0.35861487
## 70	0.730013467	0.2732081207	-0.94617457
## 71	0.412743131	0.1070148453	-0.81988074
## 72	-0.339357840	-0.3704324881	-0.38484517
## 73	-0.892600233	-0.8314548490	0.28822057
## 74	-0.492168579	-0.6029272945	0.33561231
## 75	-0.908232856	-0.7840949710	-0.34274894
## 76	0.148184501	-0.0477616531	-0.26918357
## 77	-0.738460473	-0.9898299923	1.24492586
## 78	0.356586861	0.0722196043	-0.86789578
## 79	-0.352596819	-0.3672980202	-0.41888480
## 80	-0.837910711	-0.7642248185	-0.11649459
## 81	-0.125017141	-0.2436276391	-0.73449318
## 82	-0.783678416	-0.6791403364	-0.44815950
## 83	-0.649534457	-0.5588339660	-0.70303434
## 84	-0.496697290	-0.6587603311	0.41579707
## 85	-1.135160376	-1.0080193031	0.38709416
## 86	-0.023464439	-0.1522038164	-0.81273077
## 87	-0.956185879	-0.8537970243	0.09013339
## 88	-0.322754019	-0.3418960003	-0.63939033
## 89	-0.250936242	-0.3167661444	-0.60217236
## 90	-0.366726796	-0.4233528901	-0.76828040
## 91	-0.240231254	-0.3178911665	-0.80936698

## 92	-0.186064064	-0.3095116870	-0.96726905
## 93	0.356436338	0.0680738675	-1.01470715
## 94	-0.939210391	-0.8497641679	-0.09797575
## 95	-0.782524784	-0.6901370121	-0.28045456
## 96	-0.226462142	-0.3398379694	-0.67787036
## 97	0.452781473	0.1142688663	-1.08787072
## 98	-0.226455646	-0.3396590481	-0.67153429
## 99	-0.537591984	-0.5767668230	0.12522904
## 100	-0.649637605	-0.5616748867	-0.80363876
## 101	-1.135263525	-1.0108602237	0.28648974
## 102	-0.186074680	-0.3098040706	-0.97762311
## 103	-0.186046054	-0.3090156533	-0.94970320
## 104	-0.939203895	-0.8495852467	-0.09163969
## 105	-0.186030738	-0.3085938064	-0.93476450
## 106	-1.536964181	-1.5762347054	1.59607805
## 107	-0.452316631	-0.4064446847	-0.82633013
## 108	-1.261707577	-1.2487961277	1.10601655
## 109	-1.008707050	-0.8865289976	0.13065848
## 110	-0.724348828	-0.6191726184	0.01158159
## 111	0.265801232	0.0195018343	-0.97574805
## 112	-0.141146074	-0.2241012191	-0.86415596
## 113	-0.186052973	-0.3092062117	-0.95645137
## 114	-0.322846076	-0.3444314456	-0.72917707
## 115	0.148015492	-0.0524165154	-0.43402440
## 116	-1.135252433	-1.0105547484	0.29730742
## 117	-0.616903192	-0.6294536091	-0.27829617
## 118	-0.681109343	-0.6563338386	-0.32365831
## 119	-1.082023211	-0.9380932345	-0.73000127
## 120	-0.366974499	-0.4301751726	-1.00987525
## 121	-0.240478957	-0.3247134490	-1.05096183
## 122	-0.186311768	-0.3163339696	-1.20886390
## 123	0.356188634	0.0612515850	-1.25630200
## 124	-0.939458095	-0.8565864505	-0.33957060
## 125	-0.782772487	-0.6969592947	-0.52204941
## 126	-0.226709846	-0.3466602519	-0.91946521
## 127	0.452533770	0.1074465838	-1.32946557
## 128	-0.226703349	-0.3464813306	-0.91312914
## 129	-0.537839688	-0.5835891055	-0.11636581
## 130	-0.649885309	-0.5684971692	-1.04523361
## 131	-1.135511228	-1.0176825062	0.04489489
## 132	-0.186322384	-0.3166263531	-1.21921796
## 133	-0.186293758	-0.3158379358	-1.19129805
## 134	-0.939451598	-0.8564075292	-0.33323453
## 135	-0.186278441	-0.3154160889	-1.17635935
## 136	-1.537211884	-1.5830569880	1.35448320
## 137	-0.452564335	-0.4132669672	-1.06792498
## 138	-1.261955281	-1.2556184102	0.86442170
## 139	-1.008954753	-0.8933512801	-0.11093637
## 140	-0.724596532	-0.6259949009	-0.23001326
## 141	0.265553528	0.0126795517	-1.21734290
## 142	-0.141393778	-0.2309235016	-1.10575080
## 143	-0.186300676	-0.3160284942	-1.19804622
## 144	-0.323093779	-0.3512537282	-0.97077192
## 145	-1.135500137	-1.0173770309	0.05571257

## 146	-0.617150896	-0.6362758916	-0.51989102
## 147	-0.681357047	-0.6631561212	-0.56525316
## 148	2.977858241	2.7085564260	0.10267675
## 149	1.898458831	1.9062036328	0.99864850
## 150	2.498773024	2.3061912939	0.54223514
## 151	2.323659706	2.1937338942	0.34978347
## 152	-0.462119023	0.0727927342	3.20195231
## 153	1.820995961	1.7956334887	0.50946272
## 154	0.585718773	1.0739203660	1.47459551
## 155	1.700319665	1.7151084442	1.85107137
## 156	1.289837393	1.4742283398	1.16873334
## 157	2.064232082	1.9895058845	0.27561539
## 158	-0.008125036	0.3766746540	3.11687384
## 159	0.937179185	1.2017932150	0.54154487
## 160	0.314481282	0.8134159440	1.67260026
## 161	0.982734185	1.2188701591	2.12496472
## 162	1.125503580	1.3751647244	1.76518929
## 163	0.605960286	1.0998435849	0.89116198
## 164	1.044147456	1.4183955942	0.41144424
## 165	1.716475581	1.7654612533	0.63184674
## 166	1.592697711	1.6313308147	1.54988656
## 167	0.835824424	1.2039673266	0.60826420
## 168	1.352882961	1.6421716980	1.19127532
## 169	3.517979946	2.9197801119	0.01615592
## 170	2.883439272	2.5873935610	0.26874359
## 171	1.379237331	1.6324988942	1.13881473
## 172	0.272752546	0.7104541724	2.48494620
## 173	1.073615854	1.1675092815	2.57972968
## 174	0.241487299	0.8051739285	1.22300718
## 175	2.354322013	2.2778405643	1.37013793
## 176	0.581032066	0.3937038858	4.39835679
## 177	2.771126734	2.5178030789	0.17271350
## 178	1.352759373	1.6387678300	1.07073546
## 179	0.382131589	0.8449142334	1.67551588
## 180	1.807918729	1.8861085923	0.43951870
## 181	0.490596179	1.0150831976	1.01218606
## 182	0.758884097	1.2556959384	0.50243638
## 183	1.064558432	1.0558432083	2.74009920
## 184	-0.212367742	0.3573252643	2.68269338
## 185	2.011024133	2.0689562377	0.28304353
## 186	0.145581254	0.6657698219	2.08877185
## 187	1.412444973	1.6895718697	0.62972441
## 188	1.556080528	1.7398315815	0.70416035
## 189	1.324499420	1.5266580902	0.37194426
## 190	1.577490504	1.7375815375	0.28977110
## 191	1.685824883	1.7543404963	-0.02603303
## 192	2.770825687	2.5095116055	-0.12090924
## 193	0.179532229	0.6738355345	1.71255356
## 194	0.492903444	0.9930898461	1.34759595
## 195	1.605028727	1.6936879317	0.55276435
## 196	2.963515958	2.6019016030	-0.26723638
## 197	1.605041719	1.6940457743	0.56543649
##	Inv_diff_norm_cooc.H.PET	IDM_cooc.H.PET	IDM_norm_cooc.H.PET
## 1	-0.5752921	-0.65238982	-0.5628068

## 2	-0.6152984	-0.88191955	-0.5876552
## 3	-0.5209539	0.52683627	-0.5524530
## 4	-0.5490693	-0.42715917	-0.5507795
## 5	-0.3715120	1.25259117	-0.4665595
## 6	-0.4686586	0.94972980	-0.5320201
## 7	-0.6340113	-0.95953448	-0.6040263
## 8	-0.5831526	-0.36428317	-0.5695628
## 9	-0.5207509	-0.36594071	-0.5236122
## 10	-0.5968729	-0.54492339	-0.5803422
## 11	-0.5313080	-0.16710440	-0.5401531
## 12	-0.5015240	0.72248905	-0.5440714
## 13	-0.6202224	-0.87114291	-0.5973038
## 14	-0.5807380	-0.37129746	-0.5627423
## 15	-0.6132318	-0.96498594	-0.5892760
## 16	-0.5835928	-0.08832656	-0.5829934
## 17	-0.5341180	-0.11649420	-0.5454651
## 18	-0.5371546	-0.50803656	-0.5416066
## 19	-0.6263432	-0.82948868	-0.5983007
## 20	-0.5688945	-0.72725797	-0.5558381
## 21	-0.5821588	-0.44875453	-0.5714466
## 22	-0.6158151	-0.41520910	-0.5924412
## 23	-0.6460445	-0.83008329	-0.6124342
## 24	-0.6453855	-0.76358703	-0.6155301
## 25	-0.5571670	-0.09859278	-0.5589985
## 26	-0.4294826	0.78910635	-0.4954074
## 27	-0.5543861	-0.72957327	-0.5447073
## 28	-0.5915983	-0.28105365	-0.5855968
## 29	-0.5156529	0.57423663	-0.5574064
## 30	-0.6147501	-0.82204291	-0.5949610
## 31	-0.4645201	0.51662267	-0.5053047
## 32	-0.4941354	-0.27463398	-0.5148888
## 33	-0.5989316	-0.70774637	-0.5810881
## 34	-0.5562286	-0.55332685	-0.5495698
## 35	-0.6064942	-0.78633478	-0.5871890
## 36	-0.5398776	0.07038152	-0.5426657
## 37	-0.5544362	0.07522784	-0.5564310
## 38	-0.6226370	-0.79754816	-0.5940167
## 39	-0.5711589	-0.40858420	-0.5691970
## 40	-0.6507419	-1.04943626	-0.6146192
## 41	-0.6109886	-0.93475032	-0.5843417
## 42	-0.6132002	-0.84533265	-0.5900076
## 43	-0.4211186	0.76053879	-0.4903512
## 44	-0.4672352	0.51120278	-0.5077670
## 45	-0.1544202	2.90043782	-0.3835181
## 46	-0.4486436	-0.65497347	-0.4732844
## 47	-0.4201064	1.47606957	-0.5232202
## 48	-0.5163093	-0.53998234	-0.5211044
## 49	-0.6415765	-0.86447066	-0.5998642
## 50	-0.5689710	-0.37459149	-0.5565864
## 51	-0.6034286	-0.63432001	-0.5800075
## 52	-0.5946982	-0.76077710	-0.5719487
## 53	-0.3992215	0.79689941	-0.4618930
## 54	-0.5589516	-0.69251279	-0.5490750
## 55	-0.4989671	-0.14292012	-0.5066721

## 56	-0.5478172	0.11206205	-0.5514704
## 57	-0.5308968	-0.30980538	-0.5323333
## 58	-0.5767102	-0.82653142	-0.5597444
## 59	-0.4247932	0.77295192	-0.4808006
## 60	-0.5078451	-0.73142024	-0.5149103
## 61	-0.4741335	-0.05289731	-0.4932558
## 62	-0.5046108	0.24179739	-0.5230839
## 63	-0.5208405	0.04493434	-0.5294143
## 64	-0.5032295	-0.50061184	-0.5053764
## 65	-0.5318985	-0.77437945	-0.5226918
## 66	-0.5574069	-0.61558718	-0.5469401
## 67	-0.5414039	-0.07818663	-0.5449320
## 68	-0.5104548	-0.67973132	-0.5130814
## 69	-0.5493408	-0.27456031	-0.5390558
## 70	-0.6537443	-0.91902738	-0.6179853
## 71	-0.6196662	-0.77874693	-0.5870121
## 72	-0.5385939	-0.31057364	-0.5310161
## 73	-0.4509896	0.42591054	-0.4854910
## 74	-0.4859006	0.50124702	-0.5174133
## 75	-0.4667949	-0.32293415	-0.4818620
## 76	-0.5912266	-0.13374314	-0.5736125
## 77	-0.3973631	1.48053177	-0.4966625
## 78	-0.6140068	-0.84617458	-0.5826898
## 79	-0.5801818	-0.33612605	-0.5670263
## 80	-0.5055202	-0.03403294	-0.5233684
## 81	-0.5994614	-0.70899347	-0.5795509
## 82	-0.5251293	-0.41545641	-0.5280325
## 83	-0.5485869	-0.71799680	-0.5394479
## 84	-0.5098538	0.58581310	-0.5521470
## 85	-0.4587209	0.52819913	-0.5000453
## 86	-0.6168378	-0.78597170	-0.5887573
## 87	-0.4881728	0.19655446	-0.5155319
## 88	-0.5848053	-0.60636284	-0.5663593
## 89	-0.5872858	-0.55412141	-0.5709781
## 90	-0.6196952	-0.76209261	-0.6061516
## 91	-0.6392094	-0.79518551	-0.6173781
## 92	-0.6394414	-0.99404287	-0.6186212
## 93	-0.6891323	-0.99614242	-0.6508232
## 94	-0.5442797	-0.01983598	-0.5654461
## 95	-0.5728274	-0.20779042	-0.5771148
## 96	-0.6360014	-0.63673528	-0.6203233
## 97	-0.7110110	-1.07553592	-0.6701802
## 98	-0.6327592	-0.63026298	-0.6173828
## 99	-0.4959120	0.25916209	-0.5151948
## 100	-0.6000677	-0.82076424	-0.5861371
## 101	-0.5102017	0.42543170	-0.5467345
## 102	-0.6447397	-1.00461955	-0.6234264
## 103	-0.6304527	-0.97609935	-0.6104691
## 104	-0.5410375	-0.01336369	-0.5625056
## 105	-0.6228083	-0.96083947	-0.6035362
## 106	-0.3465730	1.86072393	-0.4726700
## 107	-0.5492433	-0.85790891	-0.5321420
## 108	-0.3759985	1.32550185	-0.4625743
## 109	-0.4567861	0.23188899	-0.4856201

## 110	-0.5075341	0.13494662	-0.5133325
## 111	-0.6183983	-0.98487115	-0.5852861
## 112	-0.5786450	-0.87018522	-0.5550086
## 113	-0.6339058	-0.98299261	-0.6136008
## 114	-0.6307506	-0.69808002	-0.6080282
## 115	-0.6755781	-0.30212808	-0.6501131
## 116	-0.5046661	0.43648196	-0.5417142
## 117	-0.5742640	-0.19663491	-0.5818746
## 118	-0.5714541	-0.24724511	-0.5765626
## 119	-0.5240327	-0.80546752	-0.5416568
## 120	-0.7433229	-1.00888180	-0.7182728
## 121	-0.7628371	-1.04197470	-0.7294992
## 122	-0.7630691	-1.24083206	-0.7307424
## 123	-0.8127600	-1.24293161	-0.7629443
## 124	-0.6679074	-0.26662517	-0.6775673
## 125	-0.6964551	-0.45457960	-0.6892360
## 126	-0.7596291	-0.88352447	-0.7324445
## 127	-0.8346387	-1.32232511	-0.7823014
## 128	-0.7563869	-0.87705217	-0.7295040
## 129	-0.6195397	0.01237290	-0.6273160
## 130	-0.7236954	-1.06755342	-0.6982583
## 131	-0.6338294	0.17864251	-0.6588557
## 132	-0.7683674	-1.25140874	-0.7355476
## 133	-0.7540804	-1.22288854	-0.7225903
## 134	-0.6646651	-0.26015287	-0.6746268
## 135	-0.7464360	-1.20762865	-0.7156574
## 136	-0.4702006	1.61393474	-0.5847912
## 137	-0.6728710	-1.10469809	-0.6442632
## 138	-0.4996261	1.07871267	-0.5746955
## 139	-0.5804138	-0.01490020	-0.5977413
## 140	-0.6311618	-0.11184257	-0.6254536
## 141	-0.7420260	-1.23166034	-0.6974072
## 142	-0.7022727	-1.11697441	-0.6671297
## 143	-0.7575335	-1.22978180	-0.7257220
## 144	-0.7543782	-0.94486921	-0.7201494
## 145	-0.6282938	0.18969277	-0.6538354
## 146	-0.6978917	-0.44342410	-0.6939958
## 147	-0.6950818	-0.49403430	-0.6886838
## 148	1.5226855	-0.12267183	1.6108141
## 149	1.6678966	0.85708651	1.6973698
## 150	1.5989815	0.33762947	1.6505275
## 151	1.6164422	0.08471528	1.6666452
## 152	2.0073957	3.20006831	1.8867566
## 153	1.6879354	0.22124390	1.7123926
## 154	1.8079043	1.32042926	1.7971983
## 155	1.7102042	1.83039359	1.7076017
## 156	1.7440450	0.98665872	1.7458759
## 157	1.6524181	-0.04679336	1.6910537
## 158	1.9562523	3.15217332	1.8489414
## 159	1.7901483	0.14342901	1.7807220
## 160	1.8575716	1.50047486	1.8240309
## 161	1.7966171	2.08986427	1.7643747
## 162	1.7641575	1.69613817	1.7517139
## 163	1.7993796	0.60504581	1.7997897

## 164	1.7420416	0.05751059	1.7651589
## 165	1.6910248	0.37509512	1.7166623
## 166	1.7230309	1.44989623	1.7206786
## 167	1.7849291	0.24680684	1.7843796
## 168	1.7071570	1.05714887	1.7324310
## 169	1.4983501	-0.23178527	1.5745720
## 170	1.5665061	0.04877562	1.6365183
## 171	1.7286508	0.98512221	1.7485104
## 172	1.9038595	2.45809057	1.8395605
## 173	1.8340375	2.60876353	1.7757159
## 174	1.8722487	0.96040119	1.8468185
## 175	1.6233854	1.33878322	1.6633174
## 176	2.0111124	4.56733302	1.8172175
## 177	1.5778251	-0.08607967	1.6451629
## 178	1.6454750	0.93401738	1.6764899
## 179	1.7947982	1.53820361	1.7638058
## 180	1.6069158	0.18828255	1.6514407
## 181	1.7555800	0.77535666	1.7544775
## 182	1.7086648	0.17027588	1.7316468
## 183	1.7861311	2.77789568	1.7062486
## 184	1.8883968	2.66266776	1.8104520
## 185	1.5721630	0.03432609	1.6330280
## 186	1.8294931	1.99937841	1.7794788
## 187	1.6362279	0.39354380	1.6778239
## 188	1.6312670	0.49802666	1.6685864
## 189	1.5664481	0.08208427	1.5982393
## 190	1.5274198	0.01589846	1.5757864
## 191	1.5269558	-0.38181626	1.5733002
## 192	1.4275739	-0.38601536	1.5088962
## 193	1.7172792	1.56659752	1.6796503
## 194	1.6601838	1.19068866	1.6563129
## 195	1.5338357	0.33279893	1.5698959
## 196	1.3838166	-0.54480236	1.4701821
## 197	1.5403203	0.34574352	1.5757769
##	Inv_var_cooc_.H.PET	Correlation_cooc.H.PET	Autocorrelation_cooc.H.PET
## 1	0.124593211	-0.25316642	-0.635742650
## 2	0.162629240	-0.70979022	-0.729953295
## 3	-0.419506144	-0.32043380	-0.127986629
## 4	0.182769346	0.15723118	-0.758772923
## 5	-0.151527645	-0.80386493	0.316347615
## 6	-0.475955985	-0.53777987	-0.010756483
## 7	0.145366292	-0.80934454	-0.829210237
## 8	-0.348871914	-0.89410435	-0.442949529
## 9	-0.214019518	0.64596117	-0.634240830
## 10	0.023720050	-0.98734587	-0.662184225
## 11	-0.085985985	0.42485916	-0.616876506
## 12	-0.262557174	-0.27673799	-0.109316952
## 13	-0.049417307	-0.50973379	-0.857801394
## 14	-0.358625480	-1.82099587	-0.247014840
## 15	0.363397327	-0.39508080	-0.845368039
## 16	-0.164705029	-0.74493819	-0.436243009
## 17	-0.144996497	0.18663062	-0.599143524
## 18	0.291641006	0.20844326	-0.782005555
## 19	0.084025283	-0.66598862	-0.735780701

## 20	0.126463363	0.02644794	-0.686191656
## 21	0.025734061	-0.50798808	-0.654258021
## 22	-0.411536416	-1.63058938	-0.305966872
## 23	-0.072952460	-0.75015770	-0.809648747
## 24	-0.118037526	-1.01714207	-0.838266603
## 25	-0.341851649	-0.04733502	-0.313833076
## 26	0.238327268	-0.25524717	-0.152998835
## 27	0.147092586	-0.11265831	-0.541491473
## 28	-0.020012752	-0.54310078	-0.652586564
## 29	-0.495491888	-0.56803013	-0.064517656
## 30	0.075249951	-0.59491240	-0.832470514
## 31	-0.518048806	-0.17179665	0.006641695
## 32	0.347745587	0.49494350	-0.550656853
## 33	0.080400063	-0.34107381	-0.765074186
## 34	0.106582201	-0.08264169	-0.640256921
## 35	0.225380056	-0.59511959	-0.787982408
## 36	-0.494341024	-1.19621904	-0.010714197
## 37	-0.049820109	-0.96872489	-0.321057522
## 38	0.263042055	-0.90699884	-0.627572529
## 39	-0.245754571	-0.14591949	-0.678614980
## 40	-0.046885408	-0.90833017	-0.846095196
## 41	0.517987028	-0.43927034	-0.790067190
## 42	0.212720561	-0.54869500	-0.737884616
## 43	0.014484373	0.47513667	-0.237518918
## 44	-0.547683534	-0.17633727	0.006640427
## 45	0.286318263	-0.84989276	1.644844616
## 46	1.511527238	1.00425619	-0.852401975
## 47	-0.157080560	-0.45492007	0.271928587
## 48	0.496264485	0.21230059	-0.768049411
## 49	0.006485874	-1.22334818	-0.716755967
## 50	0.115702792	-0.35992401	-0.632204995
## 51	0.015146119	-0.98784842	-0.737984958
## 52	0.241808629	-0.78989920	-0.822361377
## 53	0.048578696	-0.19074384	0.009734796
## 54	0.694011556	-0.53070884	-0.652418166
## 55	0.650336297	-0.01518475	-0.477487799
## 56	-0.177076809	-0.57261925	-0.144665930
## 57	0.446834910	-0.24382066	-0.574892482
## 58	0.423961504	-0.41901827	-0.855551651
## 59	0.116019280	0.30629594	-0.135519129
## 60	1.023215978	0.35481892	-0.894494237
## 61	0.077609220	0.66257192	-0.645992732
## 62	0.046334512	-0.52395521	-0.306737937
## 63	0.353499903	-0.82327059	-0.408200767
## 64	0.630857937	0.44031933	-0.807372567
## 65	0.819081616	-0.04435496	-0.653120666
## 66	0.407245215	-0.08544100	-0.786277842
## 67	0.061727308	-0.62708031	-0.439581585
## 68	0.848946516	0.41347233	-0.812247266
## 69	0.283009532	-0.71916683	-0.500349682
## 70	0.271184412	-1.80173569	-0.815192362
## 71	0.385004784	-1.13811226	-0.848953584
## 72	0.644265494	-0.59967344	-0.686061560
## 73	0.405288748	-0.36075720	-0.241945122

## 74	-0.030859638	-0.41205304	-0.188507543
## 75	0.874984796	0.71392067	-0.734398681
## 76	-0.024932692	-1.84608834	-0.445759178
## 77	-0.059257187	-0.29164271	-0.105458032
## 78	0.508147147	-0.96363763	-0.848335265
## 79	-0.053617958	-0.77074481	-0.500364089
## 80	0.156731066	0.32429974	-0.564780452
## 81	0.082097587	-0.55275071	-0.727366339
## 82	0.360692799	0.40320082	-0.698537087
## 83	0.210390063	-0.10295988	-0.541488764
## 84	-0.432194411	-0.55833171	-0.064514948
## 85	-0.454751330	-0.16209822	0.006644404
## 86	0.326339532	-0.89730042	-0.627569821
## 87	0.090988005	-0.66687029	-0.335629700
## 88	-0.222046789	-0.34699866	-0.631652616
## 89	-0.029852632	-0.36518761	-0.653531506
## 90	-0.497822386	-0.22770365	-0.710060101
## 91	-0.752767358	-0.29423042	-0.842264698
## 92	-0.284883920	-0.30171584	-0.900908680
## 93	-0.311842891	-1.08927629	-0.848370358
## 94	-0.708919470	-0.04523663	-0.427489808
## 95	-0.762463381	-0.75225168	-0.258963484
## 96	-0.712314517	-0.42802458	-0.821293199
## 97	-0.504756336	-1.31426208	-0.900029014
## 98	-0.676925473	-0.42260228	-0.821291684
## 99	0.141280727	-0.50940757	-0.306733874
## 100	-0.351518900	-0.18905543	-0.541512812
## 101	-1.016660293	-0.24819377	0.006620356
## 102	-0.342714796	-0.31057667	-0.900911155
## 103	-0.186772831	-0.28668329	-0.900904481
## 104	-0.673530426	-0.03981433	-0.427488293
## 105	-0.103335248	-0.27389900	-0.900900911
## 106	-0.629653766	0.50135327	0.081534861
## 107	0.747296523	0.21882498	-0.747273533
## 108	-0.200122844	0.98377488	-0.249687260
## 109	-0.060868396	0.96391957	-0.403080461
## 110	-0.141313734	-1.14212829	-0.010699089
## 111	0.306141882	-0.85423942	-0.846080088
## 112	0.871014318	-0.38517959	-0.790052082
## 113	-0.224463601	-0.29245826	-0.900906095
## 114	-0.723535433	-0.42383662	-0.631674078
## 115	-0.945623261	-1.98715631	-0.445798581
## 116	-0.956239974	-0.23893618	0.006622941
## 117	-0.583187664	0.11949109	-0.599162277
## 118	-0.524177153	0.35771963	-0.616895259
## 119	0.688660042	0.87817669	-0.852437192
## 120	-1.847209501	-0.43445640	-0.710117851
## 121	-2.102154474	-0.50098317	-0.842322448
## 122	-1.634271035	-0.50846859	-0.900966430
## 123	-1.661230006	-1.29602904	-0.848428108
## 124	-2.058306585	-0.25198938	-0.427547558
## 125	-2.111850496	-0.95900443	-0.259021234
## 126	-2.061701632	-0.63477733	-0.821350949
## 127	-1.854143452	-1.52101483	-0.900086764

## 128	-2.026312588	-0.62935503	-0.821349434
## 129	-1.208106388	-0.71616032	-0.306791624
## 130	-1.700906015	-0.39580818	-0.541570562
## 131	-2.366047408	-0.45494652	0.006562606
## 132	-1.692101912	-0.51732942	-0.900968905
## 133	-1.536159946	-0.49343603	-0.900962231
## 134	-2.022917542	-0.24656708	-0.427546043
## 135	-1.452722364	-0.48065175	-0.900958661
## 136	-1.979040882	0.29460052	0.081477111
## 137	-0.602090592	0.01207223	-0.747331283
## 138	-1.549509960	0.77702213	-0.249745010
## 139	-1.410255511	0.75716682	-0.403138210
## 140	-1.490700850	-1.34888104	-0.010756839
## 141	-1.043245233	-1.06099217	-0.846137838
## 142	-0.478372797	-0.59193234	-0.790109832
## 143	-1.573850717	-0.49921100	-0.900963844
## 144	-2.072922548	-0.63058937	-0.631731828
## 145	-2.305627089	-0.44568893	0.006565191
## 146	-1.932574780	-0.08726166	-0.599220027
## 147	-1.873564268	0.15096688	-0.616953009
## 148	0.771205706	-0.46014840	1.282601684
## 149	0.989639543	1.26669993	1.451703628
## 150	0.788526197	0.01085111	1.240143702
## 151	1.241851216	0.40674956	1.071390863
## 152	0.855391350	1.60506028	2.735583211
## 153	2.146257071	0.92513028	1.411277287
## 154	2.058906553	1.95617847	1.761138020
## 155	0.404080342	0.84130945	2.426781758
## 156	1.651903778	1.49890663	1.566328654
## 157	1.606156966	1.14851142	1.005010317
## 158	0.990272518	2.59913984	2.445075361
## 159	2.804665914	2.69618579	0.927125145
## 160	0.913452399	3.31169181	1.424128153
## 161	0.850902983	0.93863754	2.102637744
## 162	1.465233766	0.34000678	1.899712085
## 163	2.019949833	2.86718662	1.101368485
## 164	2.396397190	1.89783804	1.409872285
## 165	1.572724389	1.81566595	1.143557934
## 166	0.881688574	0.73238735	1.836950449
## 167	2.456126991	2.81349262	1.091619087
## 168	1.324253022	0.54821429	1.715414254
## 169	1.300602783	-1.61692342	1.085728894
## 170	1.528243526	-0.28967657	1.018206449
## 171	2.046764946	0.78720107	1.343990499
## 172	1.568811455	1.26503356	2.232223375
## 173	0.696514684	1.16244188	2.339098533
## 174	2.508203551	3.41438929	1.247316257
## 175	0.708368575	-1.70562872	1.824595261
## 176	0.639719584	1.40326254	2.505197555
## 177	1.774528254	0.05927269	1.019443089
## 178	0.650998044	0.44505833	1.715385440
## 179	1.071696090	2.63514744	1.586552714
## 180	0.922429132	0.88104654	1.261380939
## 181	1.479619556	2.79294960	1.319039444

## 182	1.179014085	1.78062819	1.633136090
## 183	-0.106154863	0.86988454	2.587083723
## 184	-0.151268701	1.66235151	2.729402426
## 185	1.410913022	0.19194712	1.460973977
## 186	0.940209969	0.65280738	2.044854219
## 187	0.314140382	1.29255063	1.452808386
## 188	0.698528694	1.25617273	1.409050606
## 189	-0.237410812	1.53114066	1.295993416
## 190	-0.747300758	1.39808711	1.031584222
## 191	0.188466119	1.38311627	0.914296258
## 192	0.134548177	-0.19200463	1.019372902
## 193	-0.659604981	1.89607469	1.861134003
## 194	-0.766692803	0.48204459	2.198186649
## 195	-0.666395074	1.13049880	1.073527220
## 196	-0.251278714	-0.64197620	0.916055590
## 197	-0.595616987	1.14134340	1.073530249
##	Tendency_cooc.H.PET	Shade_cooc.H.PET	Prominence_cooc.H.PET
## 1	-0.345488577	0.56115327	-0.27716463
## 2	-0.467193655	-0.03213742	-0.38325310
## 3	-0.589875049	-0.06440384	-0.72248454
## 4	-0.030286232	-0.39054358	0.32713753
## 5	-1.898028961	1.54978365	-1.72645826
## 6	-1.049954471	0.53842843	-1.24126904
## 7	-0.337089700	0.05496508	-0.14520002
## 8	-0.871738469	0.98189042	-0.99919570
## 9	0.043019755	-0.32358166	0.19807282
## 10	-0.805563334	0.66373604	-0.76807254
## 11	0.150909451	-1.08047614	0.55414029
## 12	-0.666645542	-0.25979876	-0.75162999
## 13	-0.091851125	-0.15096399	0.27681268
## 14	-1.470176892	1.33930040	-1.49707300
## 15	-0.087943658	0.17607530	0.23550976
## 16	-0.544399738	-0.77994000	-0.35818352
## 17	-0.093966551	-0.50454309	0.13185667
## 18	-0.122869393	0.68798298	0.08141364
## 19	-0.288553851	-0.10992786	-0.06885134
## 20	-0.139209819	-0.29704692	0.06027637
## 21	-0.491110439	0.48612032	-0.44968432
## 22	-1.143409393	0.97522246	-1.20542903
## 23	-0.204204275	0.24694226	0.02573995
## 24	-0.424779064	0.61494477	-0.27445930
## 25	-0.198539019	-1.71413565	0.17372927
## 26	-1.364294186	1.55473396	-1.46591683
## 27	-0.496736153	0.49976216	-0.56535804
## 28	-0.313362362	-0.04958336	-0.16163009
## 29	-0.736566381	-0.41499869	-0.84767304
## 30	-0.209189840	0.26394859	0.09618181
## 31	-1.182161462	1.38305048	-1.34306766
## 32	-0.334582904	0.64530049	-0.33348731
## 33	-0.151753262	-0.58545682	0.24540025
## 34	-0.386492991	0.16386709	-0.34972875
## 35	-0.344613517	0.35186921	-0.15179914
## 36	-1.341255829	1.24617206	-1.42885927
## 37	-1.066521905	1.08121678	-1.17733118

## 38	-0.568850660	0.38950377	-0.46602059	0.798724387
## 39	-0.074775332	-0.62382966	0.27088035	0.295406821
## 40	-0.313998368	-0.03372426	-0.06048276	0.976792872
## 41	-0.228059786	0.61071800	-0.06008563	0.622111452
## 42	-0.245752950	0.06626392	-0.02971293	0.627744616
## 43	-0.902685681	0.88289517	-1.10272150	-1.310404189
## 44	-1.182164401	1.38305017	-1.34306766	-0.375185482
## 45	-2.357760786	1.22740752	-1.80966732	0.522396881
## 46	0.226489489	0.46540465	0.54127199	-0.439929066
## 47	-0.687486271	-0.73365734	-0.88051360	0.133614023
## 48	0.054445159	-0.30372630	0.37469699	0.344120461
## 49	-0.503333930	-0.54543805	-0.29213151	1.343061976
## 50	-0.135912491	-0.75213476	0.09536045	0.902786703
## 51	-0.483355566	-0.12061012	-0.31144269	1.314933961
## 52	-0.375041884	0.11502994	-0.13298006	1.157091939
## 53	-1.385421824	1.30816268	-1.49776129	0.105864072
## 54	-0.362673536	-0.21526641	-0.16458917	0.820482012
## 55	-0.573982955	0.58615274	-0.63486427	0.264991514
## 56	-0.465645854	-0.63732698	-0.45970368	0.857116484
## 57	-0.361107647	-0.18562812	-0.24763548	0.658745924
## 58	-0.112140093	-0.62650968	0.31888082	0.976660550
## 59	-0.691288858	0.37015133	-0.83620459	-1.010466541
## 60	0.157428681	0.63415908	0.56275117	0.157488810
## 61	0.076450559	-0.68065981	0.33583530	-0.460684820
## 62	-0.791310691	0.49137112	-0.91400021	0.826360919
## 63	-0.944077131	0.88632138	-1.02850748	1.013143795
## 64	0.001513669	0.51859009	0.23258627	0.077376895
## 65	-0.296261402	0.67668241	-0.25119172	0.450035293
## 66	0.096908864	-1.14989491	0.58923801	0.761050238
## 67	-0.569735434	-0.30961391	-0.47343498	0.944638467
## 68	0.162850986	0.33568325	0.55892589	0.217109617
## 69	-0.762735522	0.75730747	-0.84575939	1.091573322
## 70	-0.784439362	0.36519058	-0.68006627	1.315595574
## 71	-0.477319461	0.53437918	-0.36273749	1.441245385
## 72	-0.664573610	0.97686822	-0.70150064	0.998040110
## 73	-1.065054472	0.97899426	-1.24562123	0.634360749
## 74	-0.662018020	0.16598296	-0.80114588	0.755284751
## 75	0.061813475	-0.20711572	0.37105291	-0.296755956
## 76	-1.148885152	0.68561171	-1.18731331	1.322003771
## 77	-0.838204188	1.73657244	-1.15227209	0.167034944
## 78	-0.361760840	-0.14437074	-0.16750579	1.309508732
## 79	-0.762768901	0.75730397	-0.84575941	0.870405459
## 80	-0.287035866	-0.36202562	-0.13967724	-0.428171253
## 81	-0.341762878	0.42650139	-0.17158926	0.736740676
## 82	-0.083570983	-0.08049887	0.11584598	-0.271784781
## 83	-0.496729876	0.49976282	-0.56535803	0.281815394
## 84	-0.736560105	-0.41499803	-0.84767303	0.422304245
## 85	-1.182155186	1.38305113	-1.34306766	-0.314128030
## 86	-0.568844383	0.38950442	-0.46602058	0.840311507
## 87	-1.278597353	1.54479230	-1.38654209	0.573511232
## 88	-0.345862413	-0.14496907	-0.22448460	0.678877870
## 89	-0.282031497	0.10379507	-0.12440438	0.621619968
## 90	-0.167632138	-0.64576765	0.14068939	0.121251306
## 91	-0.086916267	-0.02463697	0.22022501	0.215105874

## 92	-0.028327378	-0.05315248	0.38036557	0.275218165
## 93	-0.361842149	-0.14437925	-0.16750583	0.770766501
## 94	-0.751759155	0.91894054	-0.87320288	-0.714725411
## 95	-1.105928976	0.89148487	-1.20997074	0.384630096
## 96	-0.221612223	0.23969762	-0.01972592	0.209132451
## 97	-0.469670019	0.65025912	-0.30745221	0.767741983
## 98	-0.221608714	0.23969798	-0.01972592	0.232383432
## 99	-0.791301276	0.49137210	-0.91400021	0.888741598
## 100	-0.496785595	0.49975698	-0.56535806	-0.087364808
## 101	-1.182210904	1.38304530	-1.34306769	-0.683308232
## 102	-0.028333112	-0.05315308	0.38036557	0.237222660
## 103	-0.028317649	-0.05315146	0.38036557	0.339678200
## 104	-0.751755646	0.91894090	-0.87320288	-0.691474430
## 105	-0.028309375	-0.05315060	0.38036558	0.394497585
## 106	-1.360330946	1.76557882	-1.51583271	-2.743590846
## 107	0.133018484	-0.60200424	0.58061679	0.267184289
## 108	-0.278589193	0.32594851	-0.39417498	-2.881489954
## 109	0.342956336	-2.52720659	1.13340961	-1.535428312
## 110	-1.341220823	1.24617572	-1.42885925	1.227657720
## 111	-0.313963362	-0.03372059	-0.06048274	1.208735580
## 112	-0.228024780	0.61072166	-0.06008561	0.854054160
## 113	-0.028321386	-0.05315185	0.38036557	0.314914961
## 114	-0.345912140	-0.14497427	-0.22448462	0.349394464
## 115	-1.148976447	0.68560215	-1.18731336	0.717100214
## 116	-1.182204913	1.38304593	-1.34306769	-0.643611436
## 117	-0.094010002	-0.50454764	0.13185665	-0.431592739
## 118	0.150866000	-1.08048069	0.55414027	-0.686616298
## 119	0.226407894	0.46539611	0.54127195	-0.980561621
## 120	-0.167765942	-0.64578166	0.14068932	-0.765310471
## 121	-0.087050071	-0.02465099	0.22022494	-0.671455903
## 122	-0.028461182	-0.05316649	0.38036550	-0.611343612
## 123	-0.361975954	-0.14439326	-0.16750590	-0.115795276
## 124	-0.751892959	0.91892653	-0.87320295	-1.601287187
## 125	-1.106062780	0.89147086	-1.20997081	-0.501931681
## 126	-0.221746027	0.23968361	-0.01972599	-0.677429326
## 127	-0.469803823	0.65024510	-0.30745228	-0.118819793
## 128	-0.221742518	0.23968397	-0.01972599	-0.654178345
## 129	-0.791435081	0.49135809	-0.91400028	0.002179821
## 130	-0.496919399	0.49974297	-0.56535813	-0.973926585
## 131	-1.182344708	1.38303129	-1.34306776	-1.569870009
## 132	-0.028466916	-0.05316709	0.38036550	-0.649339117
## 133	-0.028451453	-0.05316547	0.38036550	-0.546883577
## 134	-0.751889450	0.91892689	-0.87320295	-1.578036207
## 135	-0.028443180	-0.05316461	0.38036551	-0.492064192
## 136	-1.360464751	1.76556481	-1.51583278	-3.630152623
## 137	0.132884680	-0.60201825	0.58061672	-0.619377487
## 138	-0.278722997	0.32593450	-0.39417505	-3.768051731
## 139	0.342822531	-2.52722060	1.13340954	-2.421990089
## 140	-1.341354627	1.24616171	-1.42885932	0.341095943
## 141	-0.314097167	-0.03373461	-0.06048281	0.322173803
## 142	-0.228158584	0.61070765	-0.06008568	-0.032507617
## 143	-0.028455191	-0.05316587	0.38036550	-0.571646816
## 144	-0.346045944	-0.14498828	-0.22448469	-0.537167313
## 145	-1.182338717	1.38303191	-1.34306776	-1.530173213

## 146	-0.094143806	-0.50456165	0.13185658	-1.318154516
## 147	0.150732196	-1.08049470	0.55414020	-1.573178075
## 148	1.364247769	-2.31225787	1.22560371	1.399620459
## 149	2.099090648	-2.72565129	2.00058763	0.519069911
## 150	1.404204498	-1.46260202	1.18698135	1.343364428
## 151	1.620831861	-0.99132189	1.54390661	1.027680384
## 152	-0.399928018	1.39494358	-1.18565585	-1.074775350
## 153	1.645568557	-1.65191459	1.48068840	0.354460531
## 154	1.222949719	-0.04907629	0.54013819	-0.756520466
## 155	1.439623922	-2.49603574	0.89045936	0.427729474
## 156	1.648700336	-1.59263801	1.31459576	0.030988353
## 157	2.146635444	-2.47440112	2.44762838	0.666817605
## 158	0.988337914	-0.48107910	0.13745756	-3.307436575
## 159	2.685772991	0.04693640	2.93536907	-0.971525874
## 160	2.523816747	-2.58270139	2.48153734	-2.207873133
## 161	0.788294247	-0.23863953	-0.01813369	0.366218344
## 162	0.482761367	0.55126100	-0.24714823	0.739784097
## 163	2.373942967	-0.18420158	2.27503928	-1.131749704
## 164	1.778392825	0.13198305	1.30748329	-0.386432908
## 165	2.564733358	-3.52117159	2.98834275	0.235596982
## 166	1.231444761	-1.84060958	0.86299677	0.602773441
## 167	2.696617602	-0.55001526	2.92771851	-0.852284260
## 168	0.845444586	0.29323317	0.11834794	0.896643151
## 169	0.802036905	-0.49100061	0.44973419	1.344687655
## 170	1.416276708	-0.15262341	1.08439175	1.595987276
## 171	1.041768409	0.73235468	0.40686545	0.709576726
## 172	0.240806686	0.73660675	-0.68137574	-0.017781996
## 173	1.046879589	-0.88941584	0.20757498	0.224066008
## 174	2.494542580	-1.63561321	2.55197255	-1.880015405
## 175	0.073145325	0.14984165	-0.56475989	1.357504049
## 176	0.694507253	2.25176311	-0.49467744	-0.952433606
## 177	1.647393950	-1.51012324	1.47485515	1.332513971
## 178	0.845377827	0.29322618	0.11834791	0.454307424
## 179	1.796843898	-1.94543302	1.53051225	-2.142846001
## 180	1.687389873	-0.36837898	1.46668821	0.186977858
## 181	2.203773664	-1.38237951	2.04155870	-1.830073055
## 182	1.377455877	-0.22185614	0.67915066	-0.722872705
## 183	0.897795420	-2.05137782	0.11452067	-0.441895003
## 184	0.006605258	1.54472050	-0.87626859	-1.914759553
## 185	1.233226863	-0.44237292	0.87782557	0.394119520
## 186	-0.186279076	1.86820283	-0.96321744	-0.139481031
## 187	1.679190804	-1.51131990	1.36089754	0.071252246
## 188	1.806852635	-1.01379162	1.56105796	-0.043263558
## 189	2.035651354	-2.51291707	2.09124550	-1.044000882
## 190	2.197083096	-1.27065572	2.25031676	-0.856291746
## 191	2.314260874	-1.32768673	2.57059787	-0.736067164
## 192	1.647231331	-1.51014027	1.47485507	0.255029509
## 193	0.867397320	0.61649931	0.06346098	-2.715954315
## 194	0.159057678	0.56158798	-0.61007475	-0.517243302
## 195	1.927691184	-0.74198653	1.77041488	-0.868238592
## 196	1.431575592	0.07913646	1.19496230	0.248980473
## 197	1.927698202	-0.74198580	1.77041489	-0.821736631
##	IC2_d.H.PET Coarseness_vdif.H.PET Contrast_vdif.H.PET Busyness_vdif.H.PET			
## 1	-0.348805587	0.09720863	-0.427445335	-0.36388874

## 2	-0.709227024	0.12838981	-0.567154583	-0.37039706
## 3	-0.496173334	0.06302159	0.722513285	-0.34776357
## 4	0.030190330	0.04310330	-0.483618475	-0.24682942
## 5	-0.930609580	0.08210694	-0.541805620	-0.36675979
## 6	-0.709372406	0.05664774	1.060096605	-0.34049969
## 7	-0.678501658	0.10778343	-0.594745977	-0.36456711
## 8	-1.094776615	0.08283124	-0.039484183	-0.36107370
## 9	0.474543168	0.18274864	-0.364507301	-0.37774286
## 10	-0.426259831	0.15783267	-0.421111322	-0.37581218
## 11	0.138071525	0.03712781	-0.266687847	-0.08340531
## 12	-0.549119211	0.06045032	0.619972898	-0.34506532
## 13	-0.603316140	0.06515828	-0.516048573	-0.33702186
## 14	-1.409333815	0.28342656	-0.272258283	-0.38253393
## 15	-0.434626956	0.04962201	-0.633517153	-0.28178393
## 16	-0.835315418	0.09916424	0.217784196	-0.36794017
## 17	-0.003408246	0.04531242	-0.269363719	-0.27623088
## 18	0.150015815	0.04531242	-0.574859853	-0.26447483
## 19	-0.722701652	0.07413962	-0.461260759	-0.34987958
## 20	-0.054169565	0.08370040	-0.522788378	-0.35663214
## 21	-0.543346010	0.07062676	-0.342657840	-0.34958829
## 22	-1.436489667	0.22211443	0.245045601	-0.38072816
## 23	-0.866828908	0.06954030	-0.370577023	-0.34568953
## 24	-1.036945133	0.04723182	-0.382470445	-0.28426215
## 25	-0.203519100	0.20368096	0.346777199	-0.37981876
## 26	-0.167663275	0.04665238	-0.466669305	-0.30563843
## 27	-0.118849311	0.25499772	-0.581182880	-0.38062830
## 28	-0.537232309	0.05385918	-0.153739198	-0.32264355
## 29	-0.756793762	0.08920509	1.750112760	-0.36689977
## 30	-0.505179374	0.06961274	-0.516361247	-0.34360973
## 31	-0.256583579	0.09738970	0.416149188	-0.36947429
## 32	0.390167969	0.06331131	-0.536291449	-0.33907000
## 33	-0.470647292	0.06189892	-0.463115080	-0.33472593
## 34	-0.181298589	0.08706840	-0.556100012	-0.35878454
## 35	-0.523325360	0.07080783	-0.552593064	-0.34517753
## 36	-1.326068111	0.13396693	0.862726973	-0.37599193
## 37	-1.156782095	0.05570614	0.097525189	-0.33367706
## 38	-0.726822088	0.20284801	-0.446119720	-0.37865158
## 39	-0.255053241	0.05719096	-0.269072361	-0.32796406
## 40	-0.887978182	0.15269013	-0.539191442	-0.37329537
## 41	-0.346999788	0.09224716	-0.632520211	-0.35791068
## 42	-0.448736674	0.12103815	-0.500617408	-0.36928608
## 43	0.286349823	0.04408110	-0.411940444	-0.28134353
## 44	-0.260524200	0.06008817	0.416142284	-0.36964862
## 45	-1.265631228	1.52491568	-0.755174844	-0.38435629
## 46	0.740848803	0.55326511	-0.711420126	-0.32929930
## 47	-0.597910220	0.53599052	4.632168287	-0.32927104
## 48	0.093071929	0.52762484	-0.541117009	-0.23911278
## 49	-1.167226653	0.63373502	-0.157229858	-0.37226986
## 50	-0.585847329	0.55377213	-0.113084550	-0.34616564
## 51	-1.125968734	0.54891931	-0.210745773	-0.33884134
## 52	-0.788265168	0.60852933	-0.423025903	-0.36798147
## 53	-0.345389107	0.54620317	-0.195632973	-0.34669033
## 54	-0.302574069	0.61533776	-0.578323809	-0.36881065
## 55	-0.090763779	0.55326511	-0.398542315	-0.34768385

## 56	-0.815095824	0.61812632	2.549292588	-0.37296888
## 57	-0.330288494	0.53856179	-0.351054301	-0.31969041
## 58	-0.455022539	0.55250460	-0.569599859	-0.33888501
## 59	0.226995654	0.54616696	0.238105229	-0.34402847
## 60	0.370208533	0.54153143	-0.663324620	-0.31269869
## 61	0.355107920	0.53323818	-0.339565230	-0.29828976
## 62	-0.719285172	0.53331061	0.198788215	-0.30957274
## 63	-0.857451760	0.52530707	-0.080265565	-0.23757426
## 64	0.250937796	0.52414819	-0.580647372	-0.17223644
## 65	0.078499283	0.66850150	-0.632593475	-0.37400539
## 66	-0.287251557	0.54240059	-0.493916674	-0.32473012
## 67	-0.752470557	0.58024535	0.144874317	-0.36433489
## 68	0.271792480	0.52302552	-0.620998301	-0.11200349
## 69	-0.878979794	0.56492637	-0.172947006	-0.35715260
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## 71	-1.213408435	0.67067440	-0.358593244	-0.33457275
## 72	-0.616327841	0.66571294	-0.441356042	-0.33044143
## 73	-0.489137604	0.71565353	-0.307178674	-0.36826328
## 74	-0.660160554	0.66462648	0.826732019	-0.33481580
## 75	0.471383020	0.65448626	-0.565112613	-0.27845081
## 76	-1.220815272	0.88542982	0.961079046	-0.37949481
## 77	-0.572108718	0.73799823	2.929671631	-0.37357515
## 78	-0.897707308	0.72724235	-0.477325645	-0.36604960
## 79	-0.923742187	0.14120995	-0.173025431	-0.35913287
## 80	0.160062485	0.12737579	-0.367059852	-0.29492448
## 81	-0.561912839	0.15435602	-0.416632702	-0.35038193
## 82	0.209435023	0.14215154	-0.516875346	-0.33668775
## 83	-0.110432451	0.33467090	-0.581168134	-0.38025594
## 84	-0.748376902	0.16887827	1.750127506	-0.36652741
## 85	-0.248166718	0.17706287	0.416163935	-0.36910193
## 86	-0.718405228	0.28252118	-0.446104973	-0.37827923
## 87	-0.649578265	0.16217848	-0.544264302	-0.36229030
## 88	-0.559188837	0.13422044	-0.337783958	-0.31944465
## 89	-0.507065516	0.13751601	-0.304917717	-0.32853647
## 90	-0.352608478	-0.56965584	-0.491898392	0.37850408
## 91	-0.472583170	-0.57870961	-0.433663434	1.00560340
## 92	-0.387331852	-0.57545025	-0.618287419	0.27125777
## 93	-1.006743907	-0.30488740	-0.477516680	-0.37087335
## 94	-0.060417171	-0.63027988	-0.367203189	2.25893529
## 95	-0.895239637	-0.55976912	-0.275839923	0.44948111
## 96	-0.548082407	-0.63314087	-0.379277994	3.02730962
## 97	-1.223654050	-0.56567218	-0.499768763	0.29211257
## 98	-0.543376617	-0.58859633	-0.379269750	3.02751780
## 99	-0.706659882	0.65282037	0.198810335	-0.30901420
## 100	-0.185151215	-0.37260959	-0.581299043	-0.38356148
## 101	-0.322885483	-0.53021762	0.416033025	-0.37240746
## 102	-0.395021802	-0.64824256	-0.618300892	0.27091757
## 103	-0.374285719	-0.45195683	-0.618264562	0.27183492
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## 106	0.263341187	-0.03385375	-0.177450936	-0.34491214
## 107	0.232856850	0.72597483	-0.630143574	-0.37846524
## 108	0.702766336	0.48644829	0.157192997	-0.25763696
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## 111	-0.841035057	0.59704915	-0.539109197	-0.37121862
## 112	-0.300056662	0.53660618	-0.632437965	-0.35583394
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## 119	0.631429619	-0.48248614	-0.711611831	-0.33413997
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## 126	-0.727514566	-2.33162808	-0.379592364	3.01937160
## 127	-1.403086209	-2.26415938	-0.500083133	0.28417456
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## 133	-0.553717878	-2.15044404	-0.618578932	0.26389691
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## 145	-0.494283366	-2.15265316	0.415732732	-0.37999005
## 146	-0.241108033	-2.20473044	-0.269780176	-0.28674663
## 147	-0.099628263	-2.21291505	-0.267104304	-0.09392107
## 148	-0.025984561	1.32667434	0.442160037	-0.35667665
## 149	1.136774087	1.16674855	0.530450654	-0.30446821
## 150	0.056531277	1.15704291	0.335128207	-0.28981961
## 151	0.731938409	1.27626295	-0.089432052	-0.34809987
## 152	1.617690532	1.15161065	0.365353807	-0.30551758
## 153	1.703320608	1.28987982	-0.400027864	-0.34975822
## 154	2.126941188	1.16573453	-0.040464877	-0.30750463
## 155	0.678277098	1.29545694	5.855204930	-0.35807469
## 156	1.647891757	1.13632789	0.054511150	-0.25151775
## 157	1.398423668	1.16421350	-0.382579965	-0.28990694
## 158	2.762460054	1.15153822	1.232830211	-0.30019387
## 159	3.048885811	1.14226716	-0.570029487	-0.23753432
## 160	3.018684585	1.12568065	0.077489294	-0.20871645
## 161	0.869898401	1.12582551	1.154196184	-0.23128241
## 162	0.593565225	1.10981845	0.596088624	-0.08728546
## 163	2.810344337	1.10750068	-0.404674991	0.04339018

## 164	2.465467311	1.39620729	-0.508567196	-0.36014772
## 165	1.733965631	1.14400548	-0.231213595	-0.26159717
## 166	0.803527632	1.21969500	1.046368388	-0.34080672
## 167	2.852053706	1.10525535	-0.485376849	0.16385608
## 168	0.550509158	1.18905704	0.410725742	-0.32644212
## 169	0.201630298	1.35760202	-0.119671446	-0.35842234
## 170	-0.118348125	1.40055310	0.039433266	-0.28128243
## 171	1.075813063	1.39063017	-0.126092330	-0.27301979
## 172	1.330193538	1.49051136	0.142262405	-0.34866349
## 173	0.988147637	1.38845727	2.410083792	-0.28176853
## 174	3.251234785	1.36817682	-0.373605472	-0.16903856
## 175	-0.133161800	1.83006394	2.678777846	-0.37112655
## 176	1.164251310	1.53520077	6.615963016	-0.35928723
## 177	0.513054130	1.51368901	-0.198031536	-0.34423614
## 178	0.460984371	0.34162419	0.410568892	-0.33040267
## 179	2.628593716	0.31395587	0.022500050	-0.20198589
## 180	1.184643068	0.36791634	-0.076645651	-0.31290078
## 181	2.727338791	0.34350738	-0.277130938	-0.28551243
## 182	2.087603844	0.72854610	-0.405716514	-0.37264882
## 183	0.811714941	0.39696083	4.256874766	-0.34519175
## 184	1.812135309	0.41333005	1.588947623	-0.35034080
## 185	0.871658290	0.62424667	-0.135590193	-0.36869538
## 186	1.009312215	0.38356125	-0.331908851	-0.33671754
## 187	1.190091072	0.32764517	0.081051837	-0.25102624
## 188	1.294337713	0.33423632	0.146784320	-0.26920988
## 189	1.603251790	-1.08010738	-0.227177030	1.14487122
## 190	1.363302406	-1.09821492	-0.110707114	2.39906986
## 191	1.533805041	-1.09169620	-0.479955085	0.93037860
## 192	0.294980930	-0.55057049	-0.198413606	-0.35388362
## 193	2.187634403	-1.20135546	0.022213376	4.90573365
## 194	0.517989471	-1.06033394	0.204939907	1.28682528
## 195	1.212303931	-1.20707744	-0.001936235	6.44248231
## 196	-0.138839354	-1.07214006	-0.242917772	0.97208822
## 197	1.221715511	-1.11798835	-0.001919746	6.44289867
##	Complexity_vdif.H.PET	Strength_vdif.H.PET	SRE_align.H.PET	LRE_align.H.PET
## 1	-0.1093181251	-0.1302549434	-0.4307026	-0.71956508
## 2	0.0615504489	-0.0926065370	-0.3447791	-0.90672899
## 3	-0.1994612895	-0.1140600885	-0.7812458	0.38246366
## 4	-0.2352159018	-0.2391962176	-0.5220265	-0.46512461
## 5	-0.7292300554	0.0872294563	-0.8618153	0.60205727
## 6	-0.2754660652	-0.1159952505	-0.9130679	1.02863873
## 7	0.2330017616	-0.1709598620	-0.3450474	-0.91182778
## 8	-0.0090113262	-0.0885358041	-0.4889313	-0.56852093
## 9	-0.5293746765	0.0705393472	-0.5041788	-0.48684036
## 10	0.1089893336	0.0421011745	-0.4434109	-0.69784212
## 11	-0.3112412170	-0.2471908457	-0.6358667	-0.14353801
## 12	-0.2079080089	-0.1230755877	-0.8557051	0.54665510
## 13	0.1710500390	-0.2200773146	-0.3972903	-0.80316084
## 14	-0.0131788027	0.7825243212	-0.4393666	-0.77524971
## 15	0.0377011417	-0.2405000550	-0.3456084	-0.90313068
## 16	0.1695903309	-0.0525861264	-0.5703862	-0.42384218
## 17	-0.2182493594	-0.2280045732	-0.6751940	0.38580918
## 18	-0.2817536752	-0.2354437709	-0.4829480	-0.57149313
## 19	0.1562943313	-0.1916699119	-0.3919729	-0.81929293

## 20	-0.2126017653	-0.1779625278	-0.4270682	-0.73803337
## 21	0.0004156541	-0.1671646760	-0.4833773	-0.58739043
## 22	0.1307171854	0.4982364228	-0.4664370	-0.73628279
## 23	0.3114096432	-0.1998881185	-0.3992978	-0.79573395
## 24	0.3627221328	-0.2321049904	-0.4039274	-0.77044148
## 25	-0.2154729977	0.2958225096	-0.5739377	-0.46743292
## 26	-0.5702744564	-0.1863813954	-0.8100626	0.58891536
## 27	-0.3496674510	0.2677366828	-0.3804964	-0.85346151
## 28	0.1572768521	-0.2032302857	-0.5595732	-0.35932731
## 29	-0.1126743868	0.0442204072	-0.7796848	0.20604428
## 30	0.1992995035	-0.2131339397	-0.4028420	-0.77528029
## 31	-0.5707438659	0.0837504819	-0.7749624	0.19884947
## 32	-0.5485117379	-0.1834465607	-0.5284172	-0.49370862
## 33	0.0544491517	-0.2150011053	-0.4349346	-0.72314089
## 34	-0.2509448331	-0.1499504365	-0.4348468	-0.71153726
## 35	0.0738522371	-0.1977890696	-0.3744057	-0.85224979
## 36	-0.1440638150	0.2618849804	-0.5747938	-0.47450088
## 37	-0.0937791628	-0.1620935789	-0.6197533	-0.18091718
## 38	0.1683812148	0.0942769295	-0.3726300	-0.86941729
## 39	0.0055556416	-0.2128936998	-0.5366081	-0.43568060
## 40	0.3022474971	-0.1238003210	-0.3351393	-0.93761232
## 41	0.0462832340	-0.1767827139	-0.3313122	-0.94641466
## 42	0.1350380537	-0.1270183482	-0.3844552	-0.83175026
## 43	-0.7337898431	-0.2083590709	-0.8813558	1.02586264
## 44	-0.5707439283	0.0837438251	-0.7774748	0.19792291
## 45	-1.5450389126	13.4853376591	-1.0769045	1.86613106
## 46	-0.6527772364	-0.2208132675	-0.3707005	-0.77232969
## 47	-0.0248227407	-0.1102804587	-1.0640401	1.93256472
## 48	-0.1805036903	-0.2423216634	-0.4312270	-0.62520049
## 49	0.5137527244	-0.0535130136	-0.3267314	-0.86570654
## 50	0.1544554468	-0.1776859533	-0.4726911	-0.46755166
## 51	0.3583980098	-0.1979575258	-0.3943462	-0.72202272
## 52	0.3270902425	-0.1288980841	-0.3632561	-0.80619151
## 53	-0.6164710876	-0.0981193300	-0.7969934	0.65099778
## 54	0.0820655073	-0.1043893712	-0.3440742	-0.84429844
## 55	-0.3708872936	-0.1457394322	-0.5161846	-0.37049015
## 56	0.1175746551	0.1790593743	-0.6027496	-0.34056487
## 57	-0.0935362513	-0.2068200863	-0.4801916	-0.48768596
## 58	0.1294198350	-0.2216192527	-0.3543774	-0.81740382
## 59	-0.5766421639	-0.1209023379	-0.8296860	0.81037020
## 60	-0.2890477711	-0.2355420656	-0.3698737	-0.78732561
## 61	-0.4639906924	-0.2210449182	-0.5897462	-0.14936996
## 62	-0.1457621513	-0.1916592222	-0.6499629	0.13571815
## 63	-0.0701060444	-0.2256466647	-0.5294807	-0.37870148
## 64	-0.3704854788	-0.2454007312	-0.4586803	-0.58726269
## 65	-0.2217895459	0.0070289426	-0.3271485	-0.88681598
## 66	0.0307912971	-0.2246547152	-0.4164576	-0.66725295
## 67	0.0832585095	-0.0639790522	-0.5372032	-0.43023636
## 68	-0.3154968739	-0.2499488289	-0.3830502	-0.75333785
## 69	0.0197769652	-0.1063611199	-0.4641758	-0.53374334
## 70	0.6935706028	-0.0614626469	-0.3004465	-0.91960101
## 71	0.4868945824	-0.2040167851	-0.3322879	-0.84184709
## 72	0.0131947714	-0.1890579263	-0.4444378	-0.60123940
## 73	-0.3894366941	0.0534993676	-0.6167018	-0.16726522

## 74	-0.0799401626	-0.1505589663	-0.7120577	0.37126034
## 75	-0.4832436437	-0.2333686413	-0.4962538	-0.45214733
## 76	0.3772201126	0.6990064516	-0.4290415	-0.60506439
## 77	-0.2350302306	0.4382701647	-0.8887368	0.51526981
## 78	0.3506522733	-0.1301988129	-0.3111668	-0.88851078
## 79	0.0197762567	-0.1064367361	-0.4927145	-0.54426837
## 80	-0.4246915430	-0.2184677290	-0.6363716	-0.13433985
## 81	0.1379383041	-0.1883659730	-0.4188895	-0.74399845
## 82	-0.3573892570	-0.1997077059	-0.4987199	-0.53327916
## 83	-0.3496673177	0.2677509012	-0.3751301	-0.85148245
## 84	-0.1126742536	0.0442346256	-0.7743185	0.20802335
## 85	-0.5707437327	0.0837647004	-0.7695962	0.20082854
## 86	0.1683813480	0.0942911480	-0.3672637	-0.86743822
## 87	-0.4308635538	-0.0578953566	-0.5900267	-0.22718865
## 88	-0.0643249104	-0.2131671657	-0.4567387	-0.63128792
## 89	0.0083540355	-0.2073092265	-0.4775524	-0.60701467
## 90	-1.4270475159	-0.2493785660	-0.4933024	-0.70426150
## 91	-1.4288542031	-0.2521228219	-0.4941756	-0.69068510
## 92	-1.2998813145	-0.2511776382	-0.4244753	-0.85650748
## 93	0.3506505476	-0.1303830063	-0.3806842	-0.91414869
## 94	-1.5281543808	-0.2537126632	-0.7029034	-0.11576271
## 95	-1.5449021785	-0.2455855128	-0.5832506	-0.41650974
## 96	-1.4292342716	-0.2550659162	-0.5413035	-0.56070182
## 97	-1.2681806114	-0.2473304450	-0.3870237	-0.92409709
## 98	-1.4292341971	-0.2550579668	-0.5383033	-0.55959534
## 99	-0.1457619514	-0.1916378945	-0.6419135	0.13868675
## 100	-0.3496685003	0.2676246802	-0.4227678	-0.86905116
## 101	-0.5707449153	0.0836384794	-0.8172339	0.18325983
## 102	-1.2998814363	-0.2511906287	-0.4293781	-0.85831562
## 103	-1.2998811081	-0.2511555996	-0.4161576	-0.85343992
## 104	-1.5281543063	-0.2537047138	-0.6999032	-0.11465623
## 105	-1.2998809325	-0.2511368571	-0.4090839	-0.85083115
## 106	-0.9111898332	-0.0970883186	-1.3394754	3.98477741
## 107	-0.2806395545	-0.0001674041	-0.3232311	-0.89457662
## 108	-0.7684409869	-0.2151603066	-1.0555590	-0.15616625
## 109	-0.5541975695	-0.0101585598	-0.6453528	-0.06328957
## 110	-0.1440630721	0.2619642805	-0.5448648	-0.46346309
## 111	0.3022482401	-0.1237210209	-0.3052103	-0.92657452
## 112	0.0462839769	-0.1767034138	-0.3013832	-0.93537687
## 113	-1.2998811874	-0.2511640660	-0.4193530	-0.85461837
## 114	-0.0643259658	-0.2132798145	-0.4992540	-0.64696752
## 115	0.3772181749	0.6987996379	-0.5070961	-0.63385081
## 116	-0.5707447881	0.0836520515	-0.8121116	0.18514894
## 117	-0.2182502816	-0.2281030036	-0.7123431	0.37210864
## 118	-0.3112421392	-0.2472892761	-0.6730158	-0.15723855
## 119	-0.6527789682	-0.2209981072	-0.4404619	-0.79805755
## 120	-1.4270503558	-0.2496816773	-0.6077012	-0.74645159
## 121	-1.4288570429	-0.2524259332	-0.6085744	-0.73287520
## 122	-1.2998841544	-0.2514807495	-0.5388741	-0.89869757
## 123	0.3506477077	-0.1306861176	-0.4950830	-0.95633878
## 124	-1.5281572206	-0.2540157745	-0.8173022	-0.15795281
## 125	-1.5449050183	-0.2458886241	-0.6976494	-0.45869984
## 126	-1.4292371114	-0.2553690275	-0.6557023	-0.60289192
## 127	-1.2681834512	-0.2476335563	-0.5014225	-0.96628719

## 128	-1.4292370370	-0.2553610781	-0.6527021	-0.60178544
## 129	-0.1457647913	-0.1919410058	-0.7563123	0.09649666
## 130	-0.3496713402	0.2673215690	-0.5371666	-0.91124126
## 131	-0.5707477551	0.0833353681	-0.9316327	0.14106973
## 132	-1.2998842761	-0.2514937399	-0.5437769	-0.90050572
## 133	-1.2998839479	-0.2514587109	-0.5305564	-0.89563002
## 134	-1.5281571462	-0.2540078251	-0.8143020	-0.15684633
## 135	-1.2998837723	-0.2514399684	-0.5234827	-0.89302125
## 136	-0.9111926730	-0.0973914299	-1.4538741	3.94258732
## 137	-0.2806423944	-0.0004705154	-0.4376299	-0.93676672
## 138	-0.7684438267	-0.2154634179	-1.1699578	-0.19835635
## 139	-0.5542004094	-0.0104616711	-0.7597516	-0.10547966
## 140	-0.1440659119	0.2616611692	-0.6592636	-0.50565319
## 141	0.3022454002	-0.1240241322	-0.4196091	-0.96876462
## 142	0.0462811371	-0.1770065251	-0.4157820	-0.97756697
## 143	-1.2998840272	-0.2514671773	-0.5337517	-0.89680847
## 144	-0.0643288057	-0.2135829258	-0.6136528	-0.68915762
## 145	-0.5707476280	0.0833489402	-0.9265104	0.14295884
## 146	-0.2182531214	-0.2284061149	-0.8267419	0.32991854
## 147	-0.3112449791	-0.2475923874	-0.7874146	-0.19942864
## 148	2.6819211466	0.1502068633	2.0160241	0.29206620
## 149	1.9633265915	-0.0981390161	1.7241047	1.08837595
## 150	2.3712117176	-0.1386821611	1.8807945	0.57943384
## 151	2.3085961828	-0.0005632778	1.9429747	0.41109625
## 152	0.4214735226	0.0609942305	1.0755002	3.32547483
## 153	1.8185467124	0.0484541480	1.9813386	0.33488240
## 154	0.9126411107	-0.0342459739	1.6371177	1.28249898
## 155	1.8895650080	0.6153516390	1.4639877	1.34234954
## 156	1.4673431953	-0.1564072822	1.7091036	1.04810735
## 157	1.9132553679	-0.1860056150	1.9607322	0.38867163
## 158	0.5011313701	0.0154282147	1.0101148	3.64421967
## 159	1.0763201557	-0.2138512407	1.9297396	0.44882805
## 160	0.7264343131	-0.1848569460	1.4899946	1.72473936
## 161	1.3628913954	-0.1260855539	1.3695612	2.29491558
## 162	1.5142036090	-0.1940604388	1.6105255	1.26607632
## 163	0.9134447403	-0.2335685719	1.7521263	0.84895390
## 164	1.2108366061	0.2712907758	2.0151899	0.24984732
## 165	1.7159982920	-0.1920765399	1.8365717	0.68897336
## 166	1.8209327168	0.1292747860	1.5950805	1.16300655
## 167	1.0234219500	-0.2426647673	1.9033864	0.51680358
## 168	1.6939696282	0.0445106508	1.7411353	0.95599260
## 169	3.0415569034	0.1343075968	2.0685939	0.18427725
## 170	2.6282048626	-0.1508006798	2.0049111	0.33978509
## 171	1.6808052406	-0.1208829621	1.7806114	0.82100048
## 172	0.8755423098	0.3642316257	1.4360832	1.68894884
## 173	1.4945353727	-0.0438850422	1.2453714	2.76599996
## 174	0.6879284105	-0.2095043921	1.6769793	1.11918462
## 175	2.4088559230	1.6552457937	1.8114039	0.81335049
## 176	1.1843552366	1.1337732200	0.8920133	3.05401889
## 177	2.3557202445	-0.0031647353	2.0471533	0.24645771
## 178	1.6939682113	0.0443594183	1.6840578	0.93494253
## 179	0.8050326119	-0.1797025676	1.3967437	1.75479958
## 180	1.9302923061	-0.1194990554	1.8317079	0.53548237
## 181	0.9396371839	-0.1421825214	1.6720472	0.95692096

## 182	0.9550810624	0.7927346929	1.9192266	0.32051438
## 183	1.4290671906	0.3457021417	1.1208499	2.43952596
## 184	0.5129282325	0.4247622912	1.1302945	2.42513635
## 185	1.9911783939	0.4458151864	1.9349595	0.28860283
## 186	0.7926885903	0.1414421773	1.4894335	1.56910198
## 187	1.5257658771	-0.1691014408	1.7560096	0.76090343
## 188	1.6711237689	-0.1573855625	1.7143821	0.80944993
## 189	-1.1996793340	-0.2415242416	1.6828821	0.61495628
## 190	-1.2032927082	-0.2470127533	1.6811357	0.64210907
## 191	-0.9453469315	-0.2451223859	1.8205363	0.31046432
## 192	2.3557167931	-0.0035331222	1.9081185	0.19518190
## 193	-1.4018930637	-0.2501924360	1.2636801	1.79195385
## 194	-1.4353886590	-0.2339381351	1.5029858	1.19045979
## 195	-1.2040528453	-0.2528989419	1.5868798	0.90207564
## 196	-0.8819455251	-0.2374279995	1.8954395	0.17528509
## 197	-1.2040526963	-0.2528830431	1.5928803	0.90428859
##	RLNU_align.H.PET	RP_align.H.PET	LGRE_align.H.PET	HGRE_align.H.PET
## 1	-0.49716536	-0.4065909	0.06392089	-0.698132947
## 2	-0.54209814	-0.2896583	0.06421447	-0.740884690
## 3	-0.58525953	-0.8520852	0.03404939	-0.378161662
## 4	0.71943800	-0.5294515	0.10054467	-0.674598529
## 5	-0.63168013	-0.9156443	0.01379255	0.456615365
## 6	-0.60293077	-0.9873040	0.02311363	-0.008001338
## 7	-0.41005380	-0.2877832	0.25404895	-0.806118064
## 8	-0.57805051	-0.4782906	0.03316866	-0.449973609
## 9	-0.60033881	-0.5011271	0.06916859	-0.647054050
## 10	-0.63050628	-0.4208019	0.04748056	-0.622152761
## 11	1.68308055	-0.6749085	0.09841623	-0.652975606
## 12	-0.58698327	-0.9082863	0.03034297	-0.181571596
## 13	-0.01745451	-0.3560501	0.18146194	-0.817303155
## 14	-0.68044462	-0.3890098	0.02333381	-0.279607287
## 15	0.95485648	-0.2903333	0.20990225	-0.859728710
## 16	-0.60506467	-0.5625062	0.06494841	-0.424451671
## 17	0.08971492	-0.6568824	0.07746215	-0.635845299
## 18	0.52867537	-0.4801108	0.08252636	-0.715795528
## 19	-0.31856211	-0.3500672	0.09716853	-0.724445009
## 20	-0.33396630	-0.3974728	0.09595752	-0.781543162
## 21	-0.45361710	-0.4763055	0.05463650	-0.624201204
## 22	-0.67401072	-0.4169866	0.02986591	-0.370624766
## 23	-0.29851422	-0.3628531	0.09467312	-0.745211451
## 24	0.15962654	-0.3723637	0.09144377	-0.713912343
## 25	-0.65488951	-0.5522305	0.06414107	-0.420139484
## 26	-0.45410934	-0.8892701	0.01999437	-0.012454299
## 27	-0.64299110	-0.3319310	0.04469157	-0.627831327
## 28	-0.34237834	-0.5805299	0.06781079	-0.562167295
## 29	-0.64703895	-0.8056746	0.02839802	-0.071272392
## 30	-0.14478699	-0.3687260	0.17966378	-0.776293564
## 31	-0.64298898	-0.8072597	0.02182923	-0.146758040
## 32	-0.31773246	-0.5314091	0.05096679	-0.668718317
## 33	-0.10572203	-0.4080335	0.14340697	-0.739138749
## 34	-0.45099755	-0.4076235	0.05133376	-0.682859178
## 35	-0.26746111	-0.3285083	0.08527865	-0.742215276
## 36	-0.66096842	-0.5548432	0.02157235	-0.101785694
## 37	-0.51055484	-0.6401138	0.02832463	-0.307777628

## 38	-0.63112924	-0.3200153	0.07192087	-0.645821081
## 39	-0.18805890	-0.5497453	0.11393914	-0.702665240
## 40	-0.51098704	-0.2707595	0.12759049	-0.804659615
## 41	-0.36279028	-0.2662117	0.09320523	-0.793612822
## 42	-0.50079899	-0.3403941	0.11390244	-0.790579218
## 43	-0.32712031	-0.9800886	0.02626959	-0.226621780
## 44	-0.64298970	-0.8098349	-0.01596886	-0.146759351
## 45	-0.67876693	-1.1288258	0.49848883	1.804892439
## 46	0.40151495	-0.3370089	0.61085558	-0.842145562
## 47	-0.63289542	-1.1464395	0.51599338	0.032111545
## 48	1.16025237	-0.4195718	0.61991978	-0.810380808
## 49	-0.59044484	-0.2707170	0.58458040	-0.711574398
## 50	-0.42117264	-0.4801658	0.57184648	-0.709161445
## 51	-0.34393880	-0.3663983	0.56612172	-0.686524923
## 52	-0.52002964	-0.3203403	0.62065372	-0.775626558
## 53	-0.58124140	-0.8441546	0.51015853	-0.006264405
## 54	-0.53155812	-0.2917334	0.97683650	-0.729157684
## 55	-0.48214594	-0.5301841	0.53114932	-0.501354070
## 56	-0.65663238	-0.5747645	0.52960803	-0.324773887
## 57	-0.24421283	-0.4861962	0.55379147	-0.614780541
## 58	0.03571863	-0.3096646	0.72810305	-0.831311676
## 59	-0.57031971	-0.9022085	0.52014016	-0.279320123
## 60	0.74429189	-0.3320786	0.71720399	-0.859868415
## 61	0.02509843	-0.6276854	0.56744282	-0.633966383
## 62	-0.43100622	-0.6993601	0.52347961	-0.351559960
## 63	-0.09095319	-0.5392921	0.52292915	-0.367453235
## 64	1.72752592	-0.4484712	0.58179142	-0.734677856
## 65	-0.58770525	-0.2691044	0.55680064	-0.775068302
## 66	0.10495947	-0.3998805	0.71845169	-0.785697913
## 67	-0.59767057	-0.5201684	0.54278232	-0.465465916
## 68	3.66965972	-0.3509923	0.63720415	-0.838056358
## 69	-0.56513536	-0.4582043	0.52931446	-0.492743591
## 70	-0.59380986	-0.2361498	0.57680060	-0.740813331
## 71	-0.28955377	-0.2830553	0.70083705	-0.701307672
## 72	-0.39154480	-0.4305950	0.66116740	-0.531631905
## 73	-0.63593021	-0.6340434	0.64146102	-0.308006462
## 74	-0.55300990	-0.7709098	0.64997477	-0.436157089
## 75	0.53306677	-0.5028023	0.70975446	-0.721897618
## 76	-0.68066917	-0.3799167	0.64402982	-0.255563331
## 77	-0.67733824	-0.8839573	0.63430507	0.440741644
## 78	-0.51439557	-0.2539084	0.71122235	-0.756780631
## 79	-0.56514353	-0.4874562	0.09995751	-0.492758488
## 80	-0.10354184	-0.6714883	0.13786570	-0.562485461
## 81	-0.35641200	-0.3870197	0.18586560	-0.729254184
## 82	-0.21337215	-0.4934266	0.16414087	-0.678034577
## 83	-0.64298956	-0.3264307	0.12542535	-0.627828526
## 84	-0.64703741	-0.8001743	0.10913181	-0.071269591
## 85	-0.64298745	-0.8017594	0.10256301	-0.146755239
## 86	-0.63112771	-0.3145149	0.15265466	-0.645818280
## 87	-0.59391847	-0.6255803	0.10381072	-0.220752793
## 88	-0.13729421	-0.4391106	0.15063631	-0.700333751
## 89	-0.22372503	-0.4640922	0.16744362	-0.710181045
## 90	0.04168087	-0.4726278	-0.52675683	-0.778762258
## 91	0.29190776	-0.4777756	-0.51765593	-0.719381171

## 92	0.84087957	-0.3818968	-0.41369284	-0.823209842
## 93	-0.51441548	-0.3251631	-0.33464712	-0.756816919
## 94	-0.04049704	-0.7412054	-0.64701347	-0.436942190
## 95	-0.52595016	-0.5892679	-0.60785759	-0.357486779
## 96	1.18727455	-0.5432099	-0.58899524	-0.672095758
## 97	-0.10857433	-0.3321261	-0.51633483	-0.774303317
## 98	1.18727541	-0.5401347	-0.54385771	-0.672094192
## 99	-0.43100391	-0.6911096	0.64458028	-0.351555758
## 100	-0.64300320	-0.3752589	-0.59127046	-0.627853392
## 101	-0.64300109	-0.8505876	-0.61413280	-0.146780106
## 102	0.84087817	-0.3869222	-0.48745416	-0.823212401
## 103	0.84088195	-0.3733713	-0.28855547	-0.823205500
## 104	-0.04049619	-0.7381302	-0.60187595	-0.436940624
## 105	0.84088398	-0.3661208	-0.18213367	-0.823201808
## 106	-0.62396029	-1.4035288	-0.07549168	0.154545001
## 107	-0.57024641	-0.2657967	0.59669047	-0.819148799
## 108	-0.34566646	-1.1916149	0.48553473	-0.389695983
## 109	-0.59235666	-0.6844892	0.62571793	-0.595813121
## 110	-0.66095985	-0.5241662	0.47184668	-0.101770071
## 111	-0.51097847	-0.2400825	0.57786482	-0.804643992
## 112	-0.36278171	-0.2355347	0.54347957	-0.793597199
## 113	0.84088104	-0.3766465	-0.33662877	-0.823207168
## 114	-0.13730638	-0.4826884	-0.48899544	-0.700355944
## 115	-0.68069152	-0.4599219	-0.53027976	-0.255604075
## 116	-0.64299962	-0.8453372	-0.53706874	-0.146777432
## 117	0.08970428	-0.6949599	-0.48143582	-0.635864691
## 118	1.68306991	-0.7129860	-0.46048173	-0.652994998
## 119	0.40149497	-0.4085136	-0.43868361	-0.842181977
## 120	0.04164811	-0.5898855	-2.24785432	-0.778821974
## 121	0.29187501	-0.5950333	-2.23875342	-0.719440887
## 122	0.84084681	-0.4991545	-2.13479032	-0.823269559
## 123	-0.51444824	-0.4424208	-2.05574461	-0.756876635
## 124	-0.04052980	-0.8584631	-2.36811096	-0.437001906
## 125	-0.52598291	-0.7065256	-2.32895507	-0.357546495
## 126	1.18724179	-0.6604676	-2.31009272	-0.672155474
## 127	-0.10860709	-0.4493838	-2.23743232	-0.774363033
## 128	1.18724265	-0.6573924	-2.26495520	-0.672153908
## 129	-0.43103667	-0.8083673	-1.07651720	-0.351615475
## 130	-0.64303596	-0.4925166	-2.31236795	-0.627913109
## 131	-0.64303384	-0.9678453	-2.33523029	-0.146839822
## 132	0.84084541	-0.5041798	-2.20855164	-0.823272118
## 133	0.84084919	-0.4906290	-2.00965296	-0.823265217
## 134	-0.04052894	-0.8553879	-2.32297343	-0.437000340
## 135	0.84085122	-0.4833785	-1.90323115	-0.823261524
## 136	-0.62399305	-1.5207865	-1.79658916	0.154485285
## 137	-0.57027917	-0.3830544	-1.12440702	-0.819208515
## 138	-0.34569922	-1.3088726	-1.23556276	-0.389755700
## 139	-0.59238941	-0.8017469	-1.09537955	-0.595872838
## 140	-0.66099261	-0.6414238	-1.24925080	-0.101829787
## 141	-0.51101122	-0.3573402	-1.14323267	-0.804703708
## 142	-0.36281446	-0.3527924	-1.17761792	-0.793656916
## 143	0.84084828	-0.4939042	-2.05772625	-0.823266885
## 144	-0.13733914	-0.5999461	-2.21009292	-0.700415660
## 145	-0.64303238	-0.9625949	-2.25816622	-0.146837148

## 146	0.08967153	-0.8122175	-2.20253330	-0.635924407
## 147	1.68303715	-0.8302437	-2.18157922	-0.653054714
## 148	-0.47990269	2.0866926	1.26454235	1.273715114
## 149	-0.14135828	1.6677951	1.23907451	1.278541019
## 150	0.01310940	1.8953300	1.22762499	1.323814063
## 151	-0.33907228	1.9874461	1.33668899	1.145610794
## 152	-0.46149581	0.9398174	1.11569861	2.684335099
## 153	-0.36212924	2.0446598	2.04905454	1.238548543
## 154	-0.26330489	1.5677585	1.15768018	1.694155769
## 155	-0.61227776	1.4785977	1.15459761	2.047316135
## 156	0.21256135	1.6557343	1.20296449	1.467302827
## 157	0.77242426	2.0087975	1.55158765	1.034240558
## 158	-0.43965242	0.8237097	1.13566187	2.138223663
## 159	2.18957079	1.9639695	1.52978952	0.977127081
## 160	0.75118386	1.3727558	1.23026719	1.428931143
## 161	-0.16102543	1.2294064	1.14234076	1.993743990
## 162	0.51908061	1.5495424	1.14123984	1.961957439
## 163	4.15603884	1.7311843	1.25896438	1.227508199
## 164	-0.47442350	2.0899178	1.20898283	1.146727306
## 165	0.91090593	1.8283656	1.53228493	1.125468084
## 166	-0.49435414	1.5877899	1.18094618	1.765932077
## 167	8.04030644	1.9261421	1.36978984	1.020751195
## 168	-0.42928372	1.7117180	1.15401046	1.711376729
## 169	-0.48663273	2.1558271	1.24898275	1.215237248
## 170	0.12187945	2.0620160	1.49705565	1.294248566
## 171	-0.08210261	1.7669366	1.41771635	1.633600100
## 172	-0.57087342	1.3600399	1.37830359	2.080850987
## 173	-0.40503279	1.0863070	1.39533108	1.824549731
## 174	1.76712054	1.6225221	1.51489047	1.253068673
## 175	-0.66035134	1.8682933	1.38344119	2.185737248
## 176	-0.65368947	0.8602121	1.36399169	3.578347199
## 177	-0.32780415	2.1203098	1.51782625	1.183302649
## 178	-0.42930007	1.6532142	0.29529657	1.711346934
## 179	0.49390332	1.2851500	0.37111294	1.571892988
## 180	-0.01183701	1.8540873	0.46711275	1.238355543
## 181	0.27424269	1.6412734	0.42366329	1.340794757
## 182	-0.58499213	1.9752653	0.34623225	1.441206859
## 183	-0.59308783	1.0277781	0.31364516	2.554324728
## 184	-0.58498789	1.0246079	0.30050757	2.403353433
## 185	-0.56126842	1.9990968	0.40069086	1.405227350
## 186	-0.48684995	1.3769660	0.30300298	2.255358324
## 187	0.42639859	1.7499055	0.39665417	1.296196408
## 188	0.25353693	1.6999422	0.43026878	1.276501820
## 189	0.78434874	1.6828711	-0.95813212	1.139339394
## 190	1.28480252	1.6725754	-0.93993032	1.258101569
## 191	2.38274614	1.8643330	-0.73200413	1.050444226
## 192	-0.32784396	1.9778004	-0.57391270	1.183230072
## 193	0.61999291	1.1457159	-1.19864540	1.822979530
## 194	-0.35091331	1.4495908	-1.12033363	1.981890353
## 195	3.07553609	1.5417068	-1.08260893	1.352672395
## 196	0.48383833	1.9638745	-0.93728812	1.148257277
## 197	3.07553781	1.5478572	-0.99233388	1.352675527
##	LGSRE_align.H.PET	HGSRE_align.H.PET	LGHRE_align.H.PET	HGLRE_align.H.PET
## 1	0.06778299	-0.59041968	0.037835342	-0.6802822544

## 2	0.06870144	-0.53088745	0.033125985	-0.8573160707
## 3	0.03611506	-0.76247426	0.027942041	0.6873550834
## 4	0.09794468	-0.65688536	0.117419836	-0.4979682391
## 5	0.01822378	0.09512599	-0.005644076	1.0274090331
## 6	0.02524069	-0.48738896	0.028964227	1.2343204425
## 7	0.25826817	-0.63364983	0.221828852	-0.8517454828
## 8	0.03784174	-0.35300122	0.004760319	-0.5038515251
## 9	0.07006073	-0.61664392	0.068756474	-0.4799169310
## 10	0.05198576	-0.50666285	0.020202631	-0.6727256923
## 11	0.09427090	-0.79426473	0.127678205	-0.1549545114
## 12	0.03148611	-0.57986430	0.032870438	0.7430090584
## 13	0.18144955	-0.71760430	0.171449676	-0.7466202116
## 14	0.02975943	-0.10222346	-0.019589616	-0.5877697551
## 15	0.21135407	-0.70556267	0.196201184	-0.8435478585
## 16	0.06726866	-0.47380812	0.046742965	-0.2962585650
## 17	0.07384472	-0.79496520	0.143084010	0.1952558095
## 18	0.08247809	-0.64625596	0.084965426	-0.6299247175
## 19	0.10036937	-0.58366369	0.074561031	-0.7613240696
## 20	0.09816510	-0.69982023	0.075473697	-0.6919242628
## 21	0.05764338	-0.55695972	0.034987824	-0.5655149233
## 22	0.03556400	-0.26110694	-0.009586794	-0.5702759970
## 23	0.09761404	-0.63475777	0.070070713	-0.7138186985
## 24	0.09460154	-0.58163215	0.067916821	-0.7256346885
## 25	0.06517461	-0.48368876	0.053387175	-0.3313038908
## 26	0.02310990	-0.24893753	0.015785327	0.5495497219
## 27	0.04956107	-0.41189183	0.011769595	-0.8198151939
## 28	0.06851775	-0.58656086	0.063828076	-0.3351713763
## 29	0.03075135	-0.37857359	0.020239138	0.4214836574
## 30	0.18159651	-0.65938670	0.167068879	-0.7306191636
## 31	0.02553459	-0.45313100	0.004650799	0.3434046454
## 32	0.05330832	-0.64677899	0.036703636	-0.5326692679
## 33	0.14467508	-0.65548782	0.130781270	-0.6842406484
## 34	0.05433698	-0.54152469	0.031446679	-0.7330682528
## 35	0.08876024	-0.57398988	0.058972692	-0.8068069380
## 36	0.02707758	-0.11485919	-0.014734232	-0.2111528023
## 37	0.03229434	-0.36647252	0.008483997	-0.1286982420
## 38	0.07674700	-0.45395850	0.036886170	-0.7962524835
## 39	0.11388885	-0.75049448	0.118989622	-0.4157682923
## 40	0.13185361	-0.62424388	0.095260301	-0.8649052958
## 41	0.09750382	-0.58424506	0.060542478	-0.8963712839
## 42	0.11774632	-0.66926013	0.083359133	-0.7640919929
## 43	0.02722453	-0.56495960	0.048057204	0.7845827993
## 44	-0.01230528	-0.45313255	-0.032951049	0.3434042330
## 45	0.50430080	0.65384874	0.476316699	4.4494805073
## 46	0.60966463	-0.69834689	0.613800738	-0.8252184003
## 47	0.51708553	-0.84531034	0.531806805	2.8093751642
## 48	0.61991446	-0.78115597	0.616465723	-0.6166169295
## 49	0.59019363	-0.55349038	0.546884051	-0.7648043810
## 50	0.57347796	-0.72914060	0.563969163	-0.4027261735
## 51	0.56951029	-0.58197674	0.542503253	-0.6797556871
## 52	0.62461689	-0.66170576	0.589122243	-0.7576772075
## 53	0.51414651	-0.33400189	0.500593621	0.7137314040
## 54	0.97366215	-0.55427403	0.975180053	-0.8102243575
## 55	0.53460943	-0.47946605	0.515670866	-0.4178729960

## 56	0.53332361	-0.50430525	0.503258606	-0.1152634897
## 57	0.55635818	-0.58980623	0.538414509	-0.4817674484
## 58	0.72924597	-0.72550176	0.710251304	-0.7673269748
## 59	0.52186144	-0.69312925	0.529433873	0.8475199265
## 60	0.71708578	-0.76202737	0.705541946	-0.7691980049
## 61	0.56477112	-0.72883305	0.592152295	-0.2325234236
## 62	0.52689451	-0.52747593	0.516072440	0.1486788813
## 63	0.52755579	-0.35997500	0.496030289	-0.3197331090
## 64	0.58053161	-0.66931160	0.583938299	-0.6424296318
## 65	0.56157493	-0.58599573	0.521475424	-0.8630644617
## 66	0.71822465	-0.75289963	0.708498985	-0.6130924250
## 67	0.54581444	-0.50020502	0.520708784	-0.3536463810
## 68	0.63696077	-0.74595106	0.630374756	-0.7457818522
## 69	0.53394815	-0.40565268	0.501250740	-0.4947013313
## 70	0.58310325	-0.53780748	0.535201923	-0.8522960940
## 71	0.70558687	-0.53003391	0.668925777	-0.7881651935
## 72	0.66513862	-0.42173259	0.635157127	-0.6060549770
## 73	0.64599826	-0.41448711	0.615991137	-0.1076306744
## 74	0.65316212	-0.77864791	0.640852165	0.5820101706
## 75	0.70771766	-0.70795658	0.720655699	-0.5409299849
## 76	0.64978224	-0.08237007	0.608689807	-0.5028155170
## 77	0.63666687	0.07027929	0.626541558	0.7107645524
## 78	0.71528563	-0.56577184	0.679877772	-0.8450603179
## 79	0.10411662	-0.40567025	0.074122951	-0.4947060155
## 80	0.13666625	-0.64656483	0.151115473	-0.2334042846
## 81	0.18938491	-0.63460230	0.160570695	-0.6925400059
## 82	0.16359501	-0.62308617	0.164403893	-0.5689737667
## 83	0.13038410	-0.41188853	0.092084222	-0.8198143131
## 84	0.11157438	-0.37857029	0.100553765	0.4214845382
## 85	0.10635762	-0.45312770	0.084965426	0.3434055262
## 86	0.15757002	-0.45395520	0.117200797	-0.7962516027
## 87	0.10834146	-0.18213642	0.081971881	-0.2641258938
## 88	0.15356561	-0.64590291	0.131000310	-0.5926138353
## 89	0.16984043	-0.69207963	0.149947260	-0.5499263148
## 90	-0.52608255	-0.72682036	-0.537363414	-0.6546465768
## 91	-0.51950649	-0.63153384	-0.513049986	-0.6652437010
## 92	-0.41373855	-0.68942927	-0.424411843	-0.8024566435
## 93	-0.33173991	-0.56581464	-0.360561714	-0.8450717283
## 94	-0.64555367	-0.52320177	-0.652432370	-0.1614148452
## 95	-0.60363591	-0.32221847	-0.631514060	-0.3431731170
## 96	-0.59048380	-0.61619638	-0.580806325	-0.5762134853
## 97	-0.51271001	-0.59046160	-0.544445703	-0.8404108877
## 98	-0.54529639	-0.61619453	-0.535903148	-0.5762129928
## 99	0.64812905	-0.52747097	0.636544380	0.1486802025
## 100	-0.58710393	-0.41191785	-0.620890626	-0.8198221322
## 101	-0.61113041	-0.45315703	-0.628009422	0.3433977070
## 102	-0.48758140	-0.68943229	-0.497790206	-0.8024574483
## 103	-0.28846286	-0.68942415	-0.299924171	-0.8024552783
## 104	-0.60036626	-0.52319993	-0.607529192	-0.1614143528
## 105	-0.18192342	-0.68941979	-0.194054890	-0.8024541172
## 106	-0.07564114	-0.90249223	-0.009550288	4.0211753943
## 107	0.59845962	-0.66262586	0.576965529	-0.8468725839
## 108	0.48299291	-1.08293743	0.563969163	2.4484094419
## 109	0.61352210	-0.82388599	0.699007256	-0.0194894622

## 110	0.47784963	-0.11484076	0.433202347	-0.2111478898
## 111	0.58262566	-0.62422545	0.543196879	-0.8649003834
## 112	0.54827587	-0.58422664	0.508479057	-0.8963663714
## 113	-0.33658929	-0.68942612	-0.347747881	-0.8024558028
## 114	-0.48677317	-0.64592909	-0.505310576	-0.5926208136
## 115	-0.52582538	-0.08241812	-0.559522949	-0.5028283287
## 116	-0.53398116	-0.45315387	-0.551345460	0.3433985478
## 117	-0.48567104	-0.79498807	-0.412912248	0.1952497120
## 118	-0.46524485	-0.79428760	-0.428318054	-0.1549606090
## 119	-0.44103468	-0.69838983	-0.430289413	-0.8252298507
## 120	-2.24908248	-0.72689078	-2.249525235	-0.6546653540
## 121	-2.24250643	-0.63160426	-2.225211807	-0.6652624782
## 122	-2.13673848	-0.68949969	-2.136573664	-0.8024754207
## 123	-2.05473984	-0.56588506	-2.072723535	-0.8450905054
## 124	-2.36855361	-0.52327220	-2.364594191	-0.1614336223
## 125	-2.32663585	-0.32228889	-2.343675881	-0.3431918941
## 126	-2.31348374	-0.61626680	-2.292968146	-0.5762322624
## 127	-2.23570994	-0.59053202	-2.256607524	-0.8404296648
## 128	-2.26829632	-0.61626496	-2.248064969	-0.5762317699
## 129	-1.07487089	-0.52754140	-1.075617441	0.1486614253
## 130	-2.31010386	-0.41198828	-2.333052447	-0.8198409093
## 131	-2.33413034	-0.45322745	-2.340171243	0.3433789299
## 132	-2.21058133	-0.68950271	-2.209952027	-0.8024762254
## 133	-2.01146279	-0.68949457	-2.012085992	-0.8024740554
## 134	-2.32336619	-0.52327035	-2.319691013	-0.1614331299
## 135	-1.90492335	-0.68949022	-1.906216711	-0.8024728944
## 136	-1.79864107	-0.90256266	-1.721712109	4.0211566172
## 137	-1.12454031	-0.66269628	-1.135196292	-0.8468913611
## 138	-1.24000702	-1.08300786	-1.148192659	2.4483906647
## 139	-1.10947783	-0.82395641	-1.013154565	-0.0195082394
## 140	-1.24515030	-0.11491119	-1.278959474	-0.2111666669
## 141	-1.14037427	-0.62429588	-1.168964942	-0.8649191605
## 142	-1.17472406	-0.58429706	-1.203682764	-0.8963851486
## 143	-2.05958923	-0.68949654	-2.059909702	-0.8024745799
## 144	-2.20977310	-0.64599951	-2.217472397	-0.5926395908
## 145	-2.25698109	-0.45322430	-2.263507281	0.3433797707
## 146	-2.20867097	-0.79505849	-2.125074069	0.1952309348
## 147	-2.18824479	-0.79435802	-2.140479875	-0.1549793861
## 148	1.26682930	1.63533877	1.242846801	0.0631031673
## 149	1.23339796	1.28403833	1.277017024	0.7872595823
## 150	1.22546260	1.57836605	1.234085205	0.2332005550
## 151	1.33567582	1.41890801	1.327323186	0.0773575143
## 152	1.11473506	2.07431575	1.150265940	3.0201747372
## 153	2.03376633	1.63377148	2.099438804	-0.0277367858
## 154	1.15566090	1.78338743	1.180420431	0.7569659371
## 155	1.15308926	1.73370903	1.155595910	1.3621849499
## 156	1.19915838	1.56270707	1.225907716	0.6291770324
## 157	1.54493398	1.29131602	1.569581306	0.0580579796
## 158	1.13016491	1.35606103	1.207946445	3.2877517831
## 159	1.52061360	1.21826480	1.560162591	0.0543159194
## 160	1.21598427	1.28465343	1.333383289	1.1276650820
## 161	1.14023105	1.68736767	1.181223578	1.8900696917
## 162	1.14155361	2.02236953	1.141139278	0.9532457113
## 163	1.24750525	1.40369633	1.316955297	0.3078526657

## 164	1.20959190	1.57032808	1.192029546	-0.1334169942
## 165	1.52289133	1.23652028	1.566076668	0.3665270792
## 166	1.17807092	1.74190949	1.190496266	0.8854191673
## 167	1.36036358	1.25041740	1.409828211	0.1011482247
## 168	1.15433834	1.93101417	1.151580179	0.6033092667
## 169	1.25264853	1.66670458	1.219482545	-0.1118802589
## 170	1.49761577	1.68225171	1.486930253	0.0163815422
## 171	1.41671927	1.89885435	1.419392953	0.3806019752
## 172	1.37843855	1.91334531	1.381060972	1.3774505804
## 173	1.39276627	1.18502372	1.430783028	2.7567322720
## 174	1.50187735	1.32640637	1.590390096	0.5108519593
## 175	1.38600652	2.57757940	1.366458313	0.5870808952
## 176	1.35977578	2.88287811	1.402161815	3.0142410347
## 177	1.51701330	1.61077584	1.508834243	-0.0974087065
## 178	0.29467526	1.93097904	0.297324601	0.6032998981
## 179	0.35977454	1.44918987	0.451309645	1.1259033600
## 180	0.46521185	1.47311493	0.470220089	0.2076319174
## 181	0.41363206	1.49614720	0.477886485	0.4547643958
## 182	0.34721023	1.91854248	0.333247143	-0.0469166970
## 183	0.30959079	1.98517895	0.350186228	2.4356810073
## 184	0.29915727	1.83606413	0.319009550	2.2795229815
## 185	0.40158208	1.83440914	0.383480292	0.0002087238
## 186	0.30312494	2.37804669	0.313022460	1.0644601416
## 187	0.39357326	1.45051371	0.411079318	0.4074842587
## 188	0.42612289	1.35816027	0.448973219	0.4928592995
## 189	-0.96572306	1.28867882	-0.925648128	0.2834187755
## 190	-0.95257095	1.47925186	-0.877021272	0.2622245271
## 191	-0.74103506	1.36346099	-0.699744987	-0.0122013579
## 192	-0.57703779	1.61069025	-0.572044730	-0.0974315273
## 193	-1.20466532	1.69591598	-1.155786041	1.2698822388
## 194	-1.12082980	2.09788260	-1.113949422	0.9063656952
## 195	-1.09452558	1.50992678	-1.012533952	0.4402849587
## 196	-0.93897799	1.56139634	-0.939812708	-0.0881098462
## 197	-1.00415074	1.50993047	-0.922727597	0.4402859436
##	GLNU_norm_align.H.PET	RLNU_norm_align.H.PET	GLVAR_align.H.PET	
## 1	-0.571236178	-0.31203967	-0.372145292	
## 2	-0.703057819	-0.10796730	-0.435554388	
## 3	0.531670113	-0.97046209	-0.662507511	
## 4	-0.631785212	-0.50497371	-0.157684681	
## 5	1.529979936	-1.08502086	-1.860102211	
## 6	0.938512260	-1.14964993	-0.973594428	
## 7	-0.878809729	-0.10928462	-0.140260912	
## 8	0.010556233	-0.42922237	-0.852463404	
## 9	-0.476037484	-0.45693967	-0.276104808	
## 10	-0.377515036	-0.33842893	-0.594202207	
## 11	-0.469026153	-0.72851673	-0.002488860	
## 12	0.598817320	-1.07753997	-0.674550999	
## 13	-0.877514761	-0.23363227	0.010650083	
## 14	0.440350157	-0.32420615	-1.310585851	
## 15	-0.961484227	-0.11052429	-0.107102113	
## 16	0.008009461	-0.59220609	-0.284713546	
## 17	-0.410166745	-0.60774887	-0.217895361	
## 18	-0.680155374	-0.42551941	-0.330311497	
## 19	-0.708817346	-0.22305353	-0.153637715	

## 20	-0.724578965	-0.30329233	-0.207539258
## 21	-0.393887140	-0.42322213	-0.433442782
## 22	0.255212808	-0.38207725	-0.941096955
## 23	-0.732336443	-0.24056427	-0.134713893
## 24	-0.624749215	-0.25012556	-0.229497477
## 25	0.019510016	-0.59657842	-0.310387619
## 26	0.646712660	-1.01594716	-1.388203094
## 27	-0.499556581	-0.19721315	-0.656548812
## 28	-0.297714135	-0.58282151	-0.206029775
## 29	0.762069700	-0.94943849	-0.700678969
## 30	-0.837272069	-0.24644402	0.014116149
## 31	0.829142909	-0.95244798	-1.306279067
## 32	-0.442170970	-0.52293961	-0.595375135
## 33	-0.737195659	-0.32130911	-0.012598350
## 34	-0.588286598	-0.31491796	-0.555517377
## 35	-0.742054875	-0.18117770	-0.261996969
## 36	0.775192048	-0.60495626	-1.260054289
## 37	0.368886388	-0.68934783	-0.947747961
## 38	-0.505316108	-0.17670363	-0.391489619
## 39	-0.592707991	-0.53985863	0.028030607
## 40	-0.896630965	-0.08365843	-0.082748016
## 41	-0.835267951	-0.07578663	-0.296489675
## 42	-0.772338641	-0.20246101	-0.083282811
## 43	0.336327177	-1.11795657	-1.036082516
## 44	0.822791396	-0.95520579	-1.306286415
## 45	3.687477854	-1.33081644	-2.300213661
## 46	-0.912781073	-0.21429549	-0.232341610
## 47	1.387360723	-1.35187484	-0.594881895
## 48	-0.719294259	-0.34963688	-0.078661565
## 49	-0.541587563	-0.10408495	-0.180507151
## 50	-0.407521309	-0.42864671	-0.114234754
## 51	-0.504995449	-0.26532295	-0.252683411
## 52	-0.683355796	-0.19918110	-0.043629071
## 53	0.967414727	-0.99067172	-1.431150414
## 54	-0.628529291	-0.14685773	-0.233104870
## 55	-0.074344378	-0.52071463	-0.692174584
## 56	0.457678071	-0.65500377	-0.415252807
## 57	-0.330452176	-0.45419257	-0.335149765
## 58	-0.838634869	-0.17488026	0.080179928
## 59	0.615090759	-1.05162729	-0.872498390
## 60	-0.907040046	-0.21414822	-0.016565996
## 61	-0.383977546	-0.66789852	-0.175511299
## 62	0.331979782	-0.76475110	-0.735241415
## 63	0.250439923	-0.55006251	-0.848581163
## 64	-0.638358719	-0.41174108	-0.268623956
## 65	-0.657579754	-0.11177200	-0.435276244
## 66	-0.729913002	-0.31839065	0.167760269
## 67	0.045434055	-0.55155923	-0.406827998
## 68	-0.825746848	-0.24393254	-0.103304557
## 69	0.017425733	-0.41640258	-0.714297363
## 70	-0.654428663	-0.03648654	-0.213125142
## 71	-0.548124071	-0.13304995	-0.212482571
## 72	-0.178632519	-0.38798646	-0.590141594
## 73	0.508533340	-0.71635292	-1.105282027

## 74	0.511191108	-0.87525348	-0.671960084
## 75	-0.585215673	-0.49638970	-0.190878998
## 76	0.402629571	-0.30582255	-0.893156443
## 77	1.349529140	-1.09297833	-0.942215424
## 78	-0.664393755	-0.08298103	-0.191984498
## 79	-0.054722520	-0.44772913	-0.714380828
## 80	-0.292972084	-0.72907900	-0.415629896
## 81	-0.663641440	-0.29310986	-0.172481218
## 82	-0.557608175	-0.46397877	-0.268701129
## 83	-0.485990242	-0.19132269	-0.656533118
## 84	0.775636038	-0.94354803	-0.700663275
## 85	0.842709247	-0.94655752	-1.306263373
## 86	-0.491749770	-0.17081317	-0.391473924
## 87	0.305315761	-0.64215185	-1.307516941
## 88	-0.527250410	-0.37045698	-0.328579927
## 89	-0.528163054	-0.41898100	-0.213426335
## 90	-0.875547642	-0.40475285	-0.083969383
## 91	-0.815707758	-0.40796048	-0.128044831
## 92	-1.067350997	-0.24780686	0.035645160
## 93	-0.840139499	-0.15928928	-0.192187810
## 94	-0.095218039	-0.81627390	-0.856207843
## 95	0.101783690	-0.58778556	-1.065279632
## 96	-0.705327097	-0.50355999	-0.214031575
## 97	-0.916184991	-0.15417529	-0.166380836
## 98	-0.697742281	-0.50026669	-0.214022801
## 99	0.352329289	-0.75591541	-0.735217874
## 100	-0.606422326	-0.24361392	-0.656672440
## 101	0.722277163	-0.99884876	-1.306402695
## 102	-1.079745697	-0.25318860	0.035630821
## 103	-1.046323173	-0.23867664	0.035669486
## 104	-0.087633223	-0.81298059	-0.856199068
## 105	-1.028440272	-0.23091194	0.035690174
## 106	1.299333688	-1.62015324	-1.521176334
## 107	-0.849999760	-0.09850240	-0.075676526
## 108	0.538292952	-1.35566347	-0.670811061
## 109	-0.164270700	-0.76144173	-0.069711193
## 110	0.850855216	-0.57210355	-1.259966758
## 111	-0.820967797	-0.05080572	-0.082660485
## 112	-0.759604783	-0.04293392	-0.296402145
## 113	-1.054401310	-0.24218414	0.035660141
## 114	-0.634732807	-0.41712550	-0.328704267
## 115	0.205301016	-0.39150199	-0.893384723
## 116	0.735226850	-0.99322604	-1.306387714
## 117	-0.504082804	-0.64852693	-0.218004008
## 118	-0.562942212	-0.76929479	-0.002597507
## 119	-1.089143469	-0.29087149	-0.232545635
## 120	-1.164757305	-0.53032679	-0.084303955
## 121	-1.104917420	-0.53353441	-0.128379403
## 122	-1.356560660	-0.37338079	0.035310588
## 123	-1.129349162	-0.28486322	-0.192522382
## 124	-0.384427702	-0.94184783	-0.856542415
## 125	-0.187425973	-0.71335950	-1.065614204
## 126	-0.994536760	-0.62913393	-0.214366147
## 127	-1.205394654	-0.27974923	-0.166715408

## 128	-0.986951944	-0.62584062	-0.214357373
## 129	0.063119626	-0.88148934	-0.735552446
## 130	-0.895631989	-0.36918785	-0.657007012
## 131	0.433067500	-1.12442269	-1.306737267
## 132	-1.368955359	-0.37876253	0.035296249
## 133	-1.335532836	-0.36425058	0.035334914
## 134	-0.376842886	-0.93855453	-0.856533640
## 135	-1.317649935	-0.35648588	0.035355602
## 136	1.010124026	-1.74572717	-1.521510906
## 137	-1.139209423	-0.22407633	-0.076011098
## 138	0.249083289	-1.48123741	-0.671145633
## 139	-0.453480363	-0.88701566	-0.070045765
## 140	0.561645553	-0.69767748	-1.260301330
## 141	-1.110177460	-0.17637965	-0.082995058
## 142	-1.048814446	-0.16850786	-0.296736717
## 143	-1.343610973	-0.36775808	0.035325569
## 144	-0.923942470	-0.54269944	-0.329038840
## 145	0.446017187	-1.11879998	-1.306722286
## 146	-0.793292467	-0.77410087	-0.218338580
## 147	-0.852151875	-0.89486872	-0.002932079
## 148	0.290682615	2.26100504	1.951086603
## 149	0.558815122	1.61188151	2.083631398
## 150	0.363866843	1.93852904	1.806734083
## 151	0.007146148	2.07081274	2.224842764
## 152	3.308687194	0.48783148	-0.550199922
## 153	0.116799160	2.17545947	1.845891166
## 154	1.225168985	1.42774568	0.927751738
## 155	2.289213883	1.15916740	1.481595291
## 156	0.712953389	1.56078979	1.641801374
## 157	-0.303411997	2.11941440	2.472460761
## 158	2.604039259	0.36592035	0.567104125
## 159	-0.440222351	2.04087848	2.278968913
## 160	0.605902648	1.13337789	1.961078307
## 161	2.037817304	0.93967274	0.841618075
## 162	1.874737587	1.36904991	0.614938580
## 163	0.097140302	1.64569276	1.774852993
## 164	0.058698233	2.24563093	1.441548418
## 165	-0.085968263	1.83239363	2.647621443
## 166	1.464725850	1.36605648	1.498444909
## 167	-0.277635955	1.98130985	2.105491792
## 168	1.408709206	1.63636977	0.883506178
## 169	0.065000414	2.39620184	1.885850622
## 170	0.277609599	2.20307502	1.887135764
## 171	1.016592702	1.69320202	1.131817717
## 172	2.390924420	1.03646909	0.101536852
## 173	2.396239958	0.71866797	0.968180737
## 174	0.203426395	1.47639554	1.930342909
## 175	2.179116883	1.85752983	0.525788019
## 176	4.072916020	0.28321826	0.427670057
## 177	0.045070230	2.30321287	1.928131908
## 178	1.264412701	1.57371668	0.883339249
## 179	0.787913574	1.01101694	1.480841113
## 180	0.046574860	1.88295521	1.967138469
## 181	0.258641391	1.54121739	1.774698647

## 182	0.401877256	2.08652956	0.999034669		
## 183	2.925129816	0.58207887	0.910774355		
## 184	3.059276234	0.57605989	-0.300425840		
## 185	0.390358201	2.12754860	1.529153057		
## 186	1.984489263	1.18487124	-0.302932976		
## 187	0.319356921	1.72826097	1.654941052		
## 188	0.317531632	1.63121294	1.885248235		
## 189	-0.377237543	1.65966922	2.144162140		
## 190	-0.257557774	1.65325398	2.056011243		
## 191	-0.760844253	1.97356122	2.383391225		
## 192	-0.306421258	2.15059637	1.927725286		
## 193	1.183421662	0.83662714	0.599685220		
## 194	1.577425121	1.29360380	0.181541640		
## 195	-0.036796454	1.46205494	1.884037755		
## 196	-0.458512241	2.16082435	1.979339234		
## 197	-0.021626821	1.46864155	1.884055304		
##	RLVAR_align.H.PET	Entropy_align.H.PET	SZSE.H.PET	LZSE.H.PET	LGLZE.H.PET
## 1	-0.58349152	-4.736414e-01	-0.34821000	-0.20713789	0.054010198
## 2	-0.80371818	-3.905964e-01	0.08296996	-0.21972745	0.057224946
## 3	0.74415838	-8.867673e-01	-0.85184571	-0.11558937	0.031689625
## 4	-0.26173786	-2.985495e-01	-0.46659449	-0.14463396	0.093281256
## 5	0.95966405	-1.091193e+00	-0.98364474	0.01824329	0.007396366
## 6	1.48774905	-8.924170e-01	-0.98401691	0.20956309	0.019378605
## 7	-0.81559470	-1.662474e-01	-0.04099717	-0.21904682	0.270676844
## 8	-0.40018712	-8.618182e-01	-0.25461839	-0.21005142	0.027452004
## 9	-0.30510665	-5.413739e-01	-0.79892653	-0.17764984	0.066649999
## 10	-0.56080911	-6.094709e-01	-0.23317779	-0.15076846	0.038119119
## 11	0.12712338	-3.799035e-01	-0.59421327	-0.18623271	0.100112594
## 12	0.82897397	-8.467562e-01	-0.99451067	-0.10472957	0.026867504
## 13	-0.69022641	-1.570426e-01	-0.21733602	-0.21285177	0.205066779
## 14	-0.71430974	-1.105610e+00	-0.14896342	-0.21749320	0.017296326
## 15	-0.79714923	-3.585311e-02	-0.03905538	-0.13264404	0.185339922
## 16	-0.30718526	-8.172945e-01	-0.67372689	-0.21862059	0.072823775
## 17	0.61675420	-4.834580e-01	-1.84277104	0.18151613	0.080093487
## 18	-0.38429008	-2.543091e-01	-0.30052016	-0.20598507	0.078230395
## 19	-0.71067930	-3.759846e-01	-0.24131713	-0.18651350	0.090212634
## 20	-0.61612560	-3.269215e-01	-0.30312000	-0.21345466	0.093756162
## 21	-0.42977164	-5.725929e-01	-0.36241204	-0.20588446	0.046265581
## 22	-0.68671556	-1.068672e+00	-0.27084043	-0.21765763	0.026465661
## 23	-0.67723656	-3.731742e-01	-0.21328792	-0.20944724	0.094340662
## 24	-0.63289965	-4.539546e-01	-0.21871685	-0.21521231	0.088495667
## 25	-0.39678448	-8.721114e-01	-0.67398040	-0.21145857	0.049224609
## 26	1.06928621	-7.623060e-01	-0.77450312	1.03278765	0.011670518
## 27	-0.75895986	-5.448033e-01	-0.02640678	-0.21483321	0.032383718
## 28	-0.12133529	-5.784371e-01	-0.40152563	-0.17858685	0.067709405
## 29	0.40425538	-9.997817e-01	-0.99218592	-0.17327974	0.023506633
## 30	-0.64488152	-1.857649e-01	-0.22740636	-0.21218548	0.185449516
## 31	0.37300514	-1.009795e+00	-1.19392176	-0.21184872	0.018246137
## 32	-0.31881975	-4.295239e-01	-0.44726288	-0.18847165	0.045534956
## 33	-0.59731281	-3.001763e-01	-0.14617749	-0.21680539	0.149758517
## 34	-0.58138444	-4.042403e-01	-0.25552996	-0.21308894	0.042356740
## 35	-0.74572798	-3.259282e-01	-0.04406358	-0.21826845	0.076878740
## 36	-0.39739952	-1.198008e+00	-0.49180270	-0.20817671	0.015104453
## 37	0.05295993	-9.111922e-01	-0.88700290	-0.15605872	0.022922133

## 38	-0.77696399	-5.940116e-01	-0.09128145	-0.21941906	0.065773250
## 39	-0.21623922	-3.719729e-01	-0.28770974	-0.19646991	0.114359768
## 40	-0.85262802	-2.092542e-01	-0.17121580	-0.21758805	0.127145694
## 41	-0.86195042	-1.995880e-01	0.02201662	-0.21957744	0.084258046
## 42	-0.72505014	-3.254786e-01	-0.19741918	-0.21624797	0.125538321
## 43	1.64578844	-5.702426e-01	-1.06825286	2.92462120	0.016675295
## 44	0.37007231	-1.010401e+00	-1.19669960	-0.21185166	-0.019381016
## 45	2.17470203	-1.377323e+00	-1.15394785	2.26677357	0.491106206
## 46	-0.62224752	1.976731e-01	-0.09537809	-0.21366711	0.590580708
## 47	2.45279646	-9.083823e-01	-0.85574817	-0.21231182	0.513609435
## 48	-0.43919085	-1.679735e-01	-0.18059303	-0.21382137	0.615166217
## 49	-0.73890560	-5.639323e-01	-0.19791272	-0.21608485	0.573812880
## 50	-0.23273422	-5.237536e-01	-0.40453271	-0.18850797	0.566798886
## 51	-0.57087468	-4.989067e-01	-0.15060046	-0.21660704	0.558652425
## 52	-0.67110895	-3.276555e-01	-0.05601638	-0.21777393	0.623166554
## 53	1.02067535	-9.079927e-01	-1.29220063	0.24233132	0.501261884
## 54	-0.72446358	-3.185489e-01	-0.04529338	-0.21857719	1.055038597
## 55	-0.11798674	-6.408144e-01	-0.56831464	-0.17929791	0.520988741
## 56	-0.28926655	-1.048795e+00	-1.09396001	-0.21805288	0.530085014
## 57	-0.26074412	-5.170390e-01	-0.39974565	-0.18964168	0.543820751
## 58	-0.68467397	-6.993302e-02	-0.13664653	-0.21539913	0.753656060
## 59	1.26668240	-7.711617e-01	-1.15127249	0.52447500	0.516093558
## 60	-0.64908144	1.141116e-01	-0.10111177	-0.21137476	0.733015922
## 61	0.16782700	-3.835950e-01	-0.41281229	-0.07767783	0.571401820
## 62	0.51666515	-7.917106e-01	-0.80374594	-0.05558813	0.513938216
## 63	-0.15547849	-8.369160e-01	-0.55091943	-0.16236457	0.513572904
## 64	-0.41470034	-2.055657e-01	-0.27213766	-0.20554536	0.570598133
## 65	-0.77529826	-2.913987e-01	0.01049803	-0.21938191	0.541044379
## 66	-0.49619585	-1.742457e-01	-0.22029725	-0.19880619	0.783575126
## 67	-0.30625701	-7.904188e-01	-0.70941268	-0.20920321	0.539948442
## 68	-0.60505775	-3.789718e-02	-0.12836426	-0.21519137	0.631057297
## 69	-0.32551968	-7.792710e-01	-0.45596318	-0.18918295	0.521427115
## 70	-0.80587082	-4.219053e-01	-0.01958624	-0.21788585	0.572351631
## 71	-0.70674419	-4.599570e-01	-0.08275646	-0.21621746	0.685744528
## 72	-0.43150571	-6.017765e-01	-0.24378752	-0.20384838	0.648409624
## 73	0.03843817	-8.835948e-01	-0.23765739	-0.21648564	0.632701201
## 74	0.76384532	-8.551599e-01	-0.98287881	-0.21365320	0.649322905
## 75	-0.23580942	-2.037232e-01	-0.33376254	-0.20510569	0.702877668
## 76	-0.49079717	-1.172572e+00	-0.63881242	-0.18786608	0.628317455
## 77	0.54551503	-1.136304e+00	-1.28007253	-0.21753629	0.623422272
## 78	-0.76125202	-3.470907e-01	-0.01339139	-0.21840694	0.707590195
## 79	-0.35883430	-7.861473e-01	-0.48751728	-0.18921642	0.094011881
## 80	0.12685572	-4.699729e-01	-0.61031934	-0.17021223	0.130360441
## 81	-0.61335508	-3.758642e-01	-0.23968279	-0.21205998	0.191257979
## 82	-0.34640538	-3.734234e-01	-0.40855922	-0.18930269	0.157649260
## 83	-0.75269558	-5.435103e-01	-0.02047353	-0.21482691	0.112752395
## 84	0.41051967	-9.984887e-01	-0.98625267	-0.21619002	0.103875309
## 85	0.37926943	-1.008502e+00	-1.18798851	0.11146246	0.098614814
## 86	-0.77069970	-5.927186e-01	-0.08534821	0.12391985	0.146141927
## 87	0.06336434	-8.052928e-01	-0.44245156	-0.21424164	0.093683100
## 88	-0.47412848	-4.918312e-01	-0.44468731	-0.19615775	0.153594295
## 89	-0.46442738	-4.789361e-01	-0.36370926	-0.20234065	0.167183908
## 90	-0.60747519	-2.590590e-01	-0.34130855	-0.21402446	-0.531183361
## 91	-0.57611959	-3.263955e-01	-0.28491842	-0.21031824	-0.519310715

## 92	-0.78445835	1.208297e-03	-0.12618514	-0.21854320	-0.410995658
## 93	-0.84240300	-3.638407e-01	-0.09025392	-0.21848848	-0.333549479
## 94	0.10776389	-6.480510e-01	-0.76065977	-0.16556411	-0.651334532
## 95	-0.21751770	-8.844399e-01	-0.62091558	-0.19901178	-0.612246131
## 96	-0.40441836	-3.945054e-01	-0.35663251	-0.20475988	-0.591094556
## 97	-0.85911156	-3.044519e-01	-0.05442789	-0.13317575	-0.516169031
## 98	-0.40091606	-3.937825e-01	-0.35331529	-0.20475636	-0.546161160
## 99	0.52606158	-7.897712e-01	-0.79484607	-0.05557869	0.634491231
## 100	-0.80830535	-5.549884e-01	-0.07314459	-0.21488279	-0.600702266
## 101	0.32365965	-1.019980e+00	-1.24065958	0.11140658	-0.614839847
## 102	-0.79018163	2.698723e-05	-0.13160597	-0.21854895	-0.484423404
## 103	-0.77474871	3.212411e-03	-0.11698860	-0.21853344	-0.286424209
## 104	0.11126619	-6.473281e-01	-0.75734254	-0.16556059	-0.606401136
## 105	-0.76649124	4.916789e-03	-0.10916750	-0.21852515	-0.180483681
## 106	4.71889903	-6.758429e-01	-0.82880313	9.11209040	-0.084881487
## 107	-0.78098452	-1.216650e-01	0.03777210	-0.21903990	0.610563284
## 108	3.58094024	-5.166787e-01	-1.07112509	1.65152383	0.475215126
## 109	0.16641184	-5.425899e-01	-0.78178483	-0.21696608	0.659040208
## 110	-0.36246189	-1.190797e+00	-0.45871136	-0.20814161	0.463342481
## 111	-0.81769039	-2.020429e-01	-0.13812445	-0.21755294	0.575383722
## 112	-0.82701278	-1.923767e-01	0.05510797	-0.21954234	0.532496074
## 113	-0.77847881	2.442502e-03	-0.12052158	-0.21853719	-0.334280103
## 114	-0.52375871	-5.020751e-01	-0.49169482	-0.19620762	-0.483144811
## 115	-0.58191406	-1.191378e+00	-0.72511422	-0.18795763	-0.540681477
## 116	0.32963920	-1.018746e+00	-1.23499602	0.11141259	-0.538124292
## 117	0.57338825	-4.924089e-01	-1.88384530	0.18147255	-0.476276942
## 118	0.08375743	-3.888545e-01	-0.63528753	-0.18627629	-0.456257836
## 119	-0.70368323	1.808644e-01	-0.17251032	-0.21374894	-0.454212087
## 120	-0.74101838	-2.866229e-01	-0.46779462	-0.21415864	-2.244497421
## 121	-0.70966278	-3.539594e-01	-0.41140449	-0.21045243	-2.232624776
## 122	-0.91800154	-2.635561e-02	-0.25267121	-0.21867739	-2.124309719
## 123	-0.97594618	-3.914046e-01	-0.21674000	-0.21862267	-2.046863539
## 124	-0.02577930	-6.756149e-01	-0.88714584	-0.16569829	-2.364648593
## 125	-0.35106089	-9.120039e-01	-0.74740166	-0.19914597	-2.325560191
## 126	-0.53796155	-4.220693e-01	-0.48311858	-0.20489407	-2.304408617
## 127	-0.99265474	-3.320158e-01	-0.18091396	-0.13330993	-2.229483091
## 128	-0.53445924	-4.213464e-01	-0.47980136	-0.20489055	-2.259475220
## 129	0.39251839	-8.173351e-01	-0.92133214	-0.05571288	-1.078822830
## 130	-0.94184853	-5.825523e-01	-0.19963066	-0.21501697	-2.314016327
## 131	0.19011647	-1.047544e+00	-1.36714565	0.11127239	-2.328153907
## 132	-0.92372482	-2.753692e-02	-0.25809204	-0.21868314	-2.197737464
## 133	-0.90829189	-2.435149e-02	-0.24347467	-0.21866763	-1.999738270
## 134	-0.02227699	-6.748920e-01	-0.88382862	-0.16569477	-2.319715196
## 135	-0.90003443	-2.264712e-02	-0.23565357	-0.21865933	-1.893797742
## 136	4.58535584	-7.034068e-01	-0.95528920	9.11195621	-1.798195548
## 137	-0.91452771	-1.492289e-01	-0.08871398	-0.21917409	-1.102750776
## 138	3.44739706	-5.442426e-01	-1.19761116	1.65138965	-1.238098934
## 139	0.03286865	-5.701538e-01	-0.90827090	-0.21710026	-1.054273852
## 140	-0.49600507	-1.218361e+00	-0.58519743	-0.20827579	-1.249971580
## 141	-0.95123357	-2.296068e-01	-0.26461052	-0.21768713	-1.137930338
## 142	-0.96055597	-2.199406e-01	-0.07137810	-0.21967652	-1.180817986
## 143	-0.91202199	-2.512140e-02	-0.24700765	-0.21867138	-2.047594164
## 144	-0.65730189	-5.296390e-01	-0.61818090	-0.19634181	-2.196458871
## 145	0.19609601	-1.046310e+00	-1.36148209	0.11127840	-2.251438353

## 146	0.43984507	-5.199728e-01	-2.01033137	0.18133837	-2.189591003
## 147	-0.04978575	-4.164184e-01	-0.76177360	-0.18641047	-2.169571896
## 148	-0.41948967	1.500254e+00	1.92086383	-0.20687521	1.247265859
## 149	0.59285310	1.580611e+00	1.50762385	-0.15172146	1.233237872
## 150	-0.08342781	1.630305e+00	2.01548835	-0.20791961	1.216944949
## 151	-0.28389635	1.972807e+00	2.20465650	-0.21025338	1.345973206
## 152	3.09967224	8.121331e-01	-0.26771199	0.70995713	1.102163866
## 153	-0.39060561	1.991021e+00	2.22610250	-0.21185989	2.209717292
## 154	0.82234806	1.346490e+00	1.18005999	-0.13330133	1.141617580
## 155	0.47978843	5.305287e-01	0.12876925	-0.21081127	1.159810126
## 156	0.53683330	1.594041e+00	1.51719796	-0.15398889	1.187281601
## 157	-0.31102640	2.488252e+00	2.04339620	-0.20550379	1.606952218
## 158	3.59168634	1.085795e+00	0.01414428	1.27424448	1.131827214
## 159	-0.23984134	2.856342e+00	2.11446573	-0.19745504	1.565671943
## 160	1.39397554	1.860929e+00	1.49106469	0.06993882	1.242443738
## 161	2.09165183	1.044697e+00	0.70919738	0.11411822	1.127516531
## 162	0.74736456	9.542864e-01	1.21485040	-0.09943466	1.126785906
## 163	0.22892087	2.216987e+00	1.77241395	-0.18579623	1.240836365
## 164	-0.49227497	2.045321e+00	2.33768533	-0.21346935	1.181728856
## 165	0.06592985	2.279627e+00	1.87609477	-0.17231790	1.666790351
## 166	0.44580753	1.047281e+00	0.89786390	-0.19311193	1.179536983
## 167	-0.15179395	2.552324e+00	2.05996075	-0.20508826	1.361754692
## 168	0.40728217	1.069576e+00	1.40476290	-0.15307141	1.142494329
## 169	-0.55342010	1.784308e+00	2.27751679	-0.21047722	1.244343361
## 170	-0.35516684	1.708204e+00	2.15117635	-0.20714044	1.471129154
## 171	0.19531013	1.424565e+00	1.82911423	-0.18240228	1.396459348
## 172	1.13519789	8.609288e-01	1.84137448	-0.20767680	1.365042501
## 173	2.58601219	9.177986e-01	0.35093165	-0.20201192	1.398285908
## 174	0.58670271	2.220672e+00	1.64916419	-0.18491690	1.505395436
## 175	0.07672720	2.829755e-01	1.03906443	-0.15043767	1.356275009
## 176	2.14935160	3.555103e-01	-0.24345580	-0.20977809	1.346484643
## 177	-0.46418250	1.933937e+00	2.28990649	-0.21151940	1.514820489
## 178	0.34065295	1.055824e+00	1.34165471	-0.15313836	0.287663860
## 179	1.31203298	1.688173e+00	1.09605058	-0.11512997	0.360360981
## 180	-0.16838862	1.876390e+00	1.83732369	-0.19882548	0.482156057
## 181	0.36551078	1.881272e+00	1.49957082	-0.15331089	0.414938619
## 182	-0.44706961	1.541098e+00	2.27574221	-0.20435934	0.325144888
## 183	1.87936088	6.311411e-01	0.34418393	-0.20708556	0.307390717
## 184	1.81686039	6.111141e-01	-0.05928776	0.44821939	0.296869727
## 185	-0.48307786	1.442681e+00	2.14599285	0.47313418	0.391923952
## 186	1.18505021	1.017533e+00	1.43178615	-0.20318880	0.287006298
## 187	0.11006459	1.644456e+00	1.42731464	-0.16702103	0.406828689
## 188	0.12946679	1.670246e+00	1.58927075	-0.17938681	0.434007914
## 189	-0.15662884	2.110000e+00	1.63407217	-0.20275443	-0.962726623
## 190	-0.09391765	1.975328e+00	1.74685243	-0.19534201	-0.938981332
## 191	-0.51059516	2.630535e+00	2.06431899	-0.21179192	-0.722351218
## 192	-0.62648445	1.900437e+00	2.13618142	-0.21168249	-0.567458859
## 193	1.27384931	1.332017e+00	0.79536973	-0.10583373	-1.203028966
## 194	0.62328614	8.592386e-01	1.07485810	-0.17272909	-1.124852163
## 195	0.24948481	1.839108e+00	1.60342424	-0.18422528	-1.082549014
## 196	-0.65990157	2.019215e+00	2.20783348	-0.04105702	-0.932697963
## 197	0.25648942	1.840554e+00	1.61005869	-0.18421824	-0.992682221
##	HGLZE.H.PET	SZLGE.H.PET	SZHGE.H.PET	LZLGE.H.PET	LZHGE.H.PET
## 1	-0.290193253	0.063745561	-3.657487e-01	-0.254027028	-0.2338539146

## 2	-0.783129269	0.075468165	-9.234150e-02	-0.286974784	-0.2438863933
## 3	-0.382232108	0.041545881	-9.771746e-01	-0.200568637	-0.0954847357
## 4	0.526835650	0.087960064	-5.579603e-01	-0.038007495	-0.1868793362
## 5	0.726137711	0.025940165	-2.874186e-05	-0.119900137	0.0066371636
## 6	-0.126824036	0.032314331	-7.223679e-01	0.164396573	0.1945713503
## 7	-0.860579583	0.273250465	-3.464675e-01	-0.257811877	-0.2431835675
## 8	-0.441229756	0.046344822	-1.009778e-01	-0.277098368	-0.2373014941
## 9	-0.300385519	0.064331692	-1.176696e+00	-0.155017208	-0.2039351213
## 10	0.670601697	0.053891248	-1.362029e-01	-0.258149141	-0.2369706599
## 11	-0.815521417	0.092868904	-8.483802e-01	-0.178192642	-0.2100452624
## 12	-0.282161383	0.037369704	-8.772577e-01	-0.125733552	-0.1361507173
## 13	-1.050619288	0.197786205	-7.791333e-01	-0.246644698	-0.2357551963
## 14	-0.236366993	0.037919201	3.670037e-01	-0.296851200	-0.2411437876
## 15	-0.202308410	0.172252910	-4.291151e-01	-0.246482312	-0.2424595131
## 16	-0.492702928	0.069936561	-4.908672e-01	-0.250891724	-0.2136200963
## 17	-0.199557712	0.035611313	-1.947805e+00	0.645180664	0.1233961823
## 18	0.114534451	0.083527455	-4.377774e-01	-0.242868177	-0.2340972075
## 19	-0.730702144	0.092612472	-3.147379e-01	-0.266718139	-0.2398785895
## 20	0.347585219	0.094187697	-5.644149e-01	-0.267659146	-0.2371630786
## 21	-0.317013001	0.056345668	-4.315061e-01	-0.258961072	-0.2310006222
## 22	-0.590451289	0.044220100	-2.945902e-01	-0.296913656	-0.2398183186
## 23	-1.007593420	0.099975733	-6.961285e-01	-0.251503795	-0.2306044303
## 24	-0.767920122	0.094334230	-3.865030e-01	-0.272201798	-0.2398773184
## 25	-0.442130146	0.057261496	-7.983905e-01	-0.204898937	-0.2296442177
## 26	0.370767254	0.029896544	-3.819446e-02	1.291677854	0.5765100371
## 27	-0.447117761	0.050447733	3.141210e-01	-0.272959601	-0.2427962845
## 28	-0.688998135	0.074259271	-5.444756e-01	-0.193635992	-0.2023947191
## 29	-0.050599236	0.033633124	-5.651376e-01	-0.249367791	-0.1890457590
## 30	-0.844733010	0.177344915	-4.849200e-01	-0.227349879	-0.2372821165
## 31	-0.388227425	0.030446041	-1.274126e+00	0.072573387	0.0486930288
## 32	-0.012105780	0.056125869	-5.550186e-01	-0.221145891	-0.2166484925
## 33	-0.817179631	0.156170963	-4.154722e-01	-0.268300364	-0.2409738451
## 34	-0.625058579	0.055686271	-2.209958e-01	-0.270149069	-0.2400072695
## 35	-0.760491274	0.089315490	-1.912462e-01	-0.277044240	-0.2428124833
## 36	0.009803243	0.033523224	1.746489e-01	-0.287566037	-0.2315300947
## 37	-0.309037956	0.035794479	-7.408842e-01	-0.213147327	-0.1882881001
## 38	-0.671994706	0.079864141	-1.111174e-01	-0.287965757	-0.2432805333
## 39	-0.792787519	0.117083407	-5.416147e-01	-0.200218882	-0.2214046506
## 40	-0.846229804	0.125472395	-4.116895e-01	-0.272489097	-0.2419787206
## 41	-0.772638048	0.095799555	-8.794373e-02	-0.282011594	-0.2439838021
## 42	-0.982189907	0.134594046	-7.203424e-01	-0.274933218	-0.2399221324
## 43	0.147233789	0.030006443	-5.886992e-01	5.059438899	1.5337521627
## 44	-0.388228682	-0.007286089	-1.274128e+00	0.068284724	0.0486930273
## 45	1.868849236	0.512757907	2.800549e-01	0.791315810	4.3988212844
## 46	-0.836969215	0.593460705	-3.238452e-01	-0.147147720	-0.2411389720
## 47	-0.440338267	0.528729954	-1.184819e+00	0.841068463	1.7870102969
## 48	-0.917527899	0.615733652	-5.925900e-01	-0.198982248	-0.2378436662
## 49	-0.837149526	0.574814439	-5.242551e-01	-0.219342987	-0.2395046056
## 50	-0.897936295	0.571407557	-7.979244e-01	-0.144965915	-0.2097319457
## 51	-0.803986400	0.570638261	-4.473127e-01	-0.221732980	-0.2405008269
## 52	-0.825005482	0.632072030	-3.580964e-01	-0.221075107	-0.2420743672
## 53	0.223208767	0.516970717	-1.078877e+00	0.237353807	0.1638587750
## 54	-0.672125464	1.064013334	-5.262349e-02	-0.164585506	-0.2432176553
## 55	-0.448681290	0.533345729	-5.098321e-01	-0.156507831	-0.2167507675

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## 56 -0.719196331 0.536642711 -1.557407e+00 -0.154425955 -0.1795832543
## 57 0.001516564 0.550453404 -3.960476e-01 -0.170926898 -0.2182386586
## 58 -0.989881895 0.745524852 -6.729137e-01 -0.192407686 -0.2389216861
## 59 -0.536369709 0.522502321 -1.084374e+00 0.500856749 0.6042415430
## 60 -1.022134806 0.722555876 -6.415897e-01 -0.174545197 -0.2349987769
## 61 -0.869446031 0.571334291 -7.138026e-01 0.059607468 -0.1082763993
## 62 -0.271621119 0.527447794 -6.561831e-01 0.018619510 -0.1002321800
## 63 -0.269441073 0.529206185 -2.527224e-01 -0.146585613 -0.1995551172
## 64 -0.709197395 0.574155042 -3.534602e-01 -0.182339738 -0.2276186173
## 65 -0.656532432 0.553310788 1.199483e-01 -0.230393581 -0.2440164731
## 66 -1.119029479 0.769409656 -9.318053e-01 -0.167912343 -0.2204923233
## 67 -0.396970026 0.544079238 -5.058884e-01 -0.172076093 -0.2085216214
## 68 -0.325576859 0.630753237 -5.473388e-01 -0.192948974 -0.2393367652
## 69 -0.480403085 0.536606078 -3.539645e-01 -0.192232809 -0.2160263197
## 70 -0.772182790 0.584339054 -2.120951e-01 -0.228482419 -0.2422333910
## 71 -0.684328745 0.697279012 -1.888598e-01 -0.196775460 -0.2414263203
## 72 -0.372959315 0.664199290 6.363542e-02 -0.181894216 -0.2343960856
## 73 -0.709553195 0.654161811 -3.609165e-02 -0.188497925 -0.2135085633
## 74 -0.993567745 0.654381610 -1.299843e+00 0.124016522 0.5183575596
## 75 -0.729570236 0.703689811 -4.521907e-01 -0.162999117 -0.2319575427
## 76 -0.987079879 0.645003527 2.407462e-01 -0.170294008 -0.2229776147
## 77 -0.443483056 0.641266947 -8.923729e-01 0.443588526 0.1921222678
## 78 -0.792416912 0.720321254 -2.317845e-01 -0.211802435 -0.2425835960
## 79 -0.480417364 0.107998389 -3.539838e-01 -0.240948688 -0.2160263377
## 80 -0.249324067 0.134337614 -4.594029e-01 -0.162753456 -0.2046266515
## 81 -0.818588781 0.196687211 -5.244459e-01 -0.255609253 -0.2370588060
## 82 -0.185621280 0.155987797 -3.870364e-01 -0.203537391 -0.2158042575
## 83 -0.447115077 0.131040632 3.141247e-01 -0.263799350 -0.2427962811
## 84 -0.660792771 0.114226022 -5.651339e-01 -0.240207540 -0.1890457556
## 85 -0.388224740 0.111038940 -1.274122e+00 0.081733638 0.0486930322
## 86 -0.671992021 0.160457040 -1.111137e-01 -0.278805506 -0.2432805300
## 87 0.125682222 0.113823058 2.378323e-01 0.081479649 -0.1235155537
## 88 -0.824302218 0.160383774 -7.284540e-01 -0.227641342 -0.2222667480
## 89 -0.234568233 0.168369797 -5.936467e-01 -0.241881368 -0.2240969953
## 90 -0.875220661 -0.535426008 -6.026105e-01 -0.333879432 -0.2380729447
## 91 -0.716625963 -0.522677676 -3.536498e-01 -0.311166174 -0.2373489744
## 92 -0.879173641 -0.416075251 -3.778859e-01 -0.325406200 -0.2424427236
## 93 -0.792451693 -0.323723116 -2.318314e-01 -0.330469321 -0.2425836397
## 94 -0.345317961 -0.641369036 -4.639426e-01 -0.278301692 -0.2037823671
## 95 -0.224286146 -0.598105303 -1.508975e-01 -0.338538669 -0.2277469264
## 96 -0.700731982 -0.588617321 -4.185129e-01 -0.303100989 -0.2334216125
## 97 -0.196450909 -0.507658091 -2.183274e-01 -0.350009801 -0.2431219012
## 98 -0.700730481 -0.543558564 -4.185109e-01 -0.297979576 -0.2334216106
## 99 -0.271617092 0.648337142 -6.561777e-01 0.032359886 -0.1002321750
## 100 -0.447138911 -0.584404510 3.140925e-01 -0.345117394 -0.2427963111
## 101 -0.388248575 -0.604406202 -1.274155e+00 0.000415593 0.0486930023
## 102 -0.879176094 -0.489707854 -3.778892e-01 -0.333775338 -0.2424427266
## 103 -0.879169480 -0.291156258 -3.778803e-01 -0.311207811 -0.2424427183
## 104 -0.345316460 -0.596310279 -4.639405e-01 -0.273180279 -0.2037823652
## 105 -0.879165940 -0.184920164 -3.778755e-01 -0.299132935 -0.2424427139
## 106 0.839559332 -0.065459509 2.507738e-01 8.323015577 8.7283454289
## 107 -0.915196418 0.626723592 -3.934237e-01 -0.226791937 -0.2429311692
## 108 -0.278946120 0.480557380 -6.831638e-01 2.678810468 1.5801058293
## 109 -1.184241156 0.562176007 -1.278928e+00 0.311614295 -0.0008075780

```

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## 110 0.009818217 0.483011801 1.746691e-01 -0.236476820 -0.2315300759
## 111 -0.846214830 0.574960971 -4.116693e-01 -0.221399880 -0.2419787018
## 112 -0.772623074 0.545288131 -8.792354e-02 -0.230922377 -0.2439837833
## 113 -0.879171078 -0.339145666 -3.778824e-01 -0.316662324 -0.2424427203
## 114 -0.824323490 -0.478131783 -7.284827e-01 -0.300215510 -0.2222667747
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## 116 -0.388246012 -0.527476617 -1.274151e+00 0.009159469 0.0486930055
## 117 -0.199576299 -0.522311345 -1.947830e+00 0.581766746 0.1233961590
## 118 -0.815540003 -0.465053754 -8.484053e-01 -0.241606560 -0.2100452858
## 119 -0.837004118 -0.454246979 -3.238923e-01 -0.266230980 -0.2411390158
## 120 -0.875277897 -2.253520077 -6.026877e-01 -0.529159324 -0.2380730166
## 121 -0.716683200 -2.240771745 -3.537270e-01 -0.506446066 -0.2373490463
## 122 -0.879230878 -2.134169320 -3.779631e-01 -0.520686092 -0.2424427954
## 123 -0.792508929 -2.041817185 -2.319086e-01 -0.525749212 -0.2425837115
## 124 -0.345375197 -2.359463105 -4.640198e-01 -0.473581584 -0.2037824390
## 125 -0.224343382 -2.316199372 -1.509747e-01 -0.533818561 -0.2277469982
## 126 -0.700789219 -2.306711390 -4.185901e-01 -0.498380881 -0.2334216844
## 127 -0.196508146 -2.225752160 -2.184045e-01 -0.545289693 -0.2431219731
## 128 -0.700787718 -2.261652633 -4.185881e-01 -0.493259468 -0.2334216825
## 129 -0.271674328 -1.069756926 -6.562549e-01 -0.162920006 -0.1002322468
## 130 -0.447196147 -2.302498579 3.140153e-01 -0.540397286 -0.2427963829
## 131 -0.388305811 -2.322500271 -1.274232e+00 -0.194864299 0.0486929304
## 132 -0.879233331 -2.207801923 -3.779664e-01 -0.529055230 -0.2424427985
## 133 -0.879226716 -2.009250327 -3.779575e-01 -0.506487703 -0.2424427902
## 134 -0.345373696 -2.314404348 -4.640177e-01 -0.468460171 -0.2037824371
## 135 -0.879223177 -1.903014233 -3.779527e-01 -0.494412827 -0.2424427858
## 136 0.839502096 -1.783553577 2.506966e-01 8.127735685 8.7283453569
## 137 -0.915253654 -1.091370477 -3.935009e-01 -0.422071828 -0.2429312411
## 138 -0.279003356 -1.237536688 -6.832410e-01 2.483530576 1.5801057573
## 139 -1.184298392 -1.155918062 -1.279006e+00 0.116334403 -0.0008076499
## 140 0.009760981 -1.235082268 1.745919e-01 -0.431756712 -0.2315301478
## 141 -0.846272066 -1.143133097 -4.117465e-01 -0.416679772 -0.2419787737
## 142 -0.772680310 -1.172805937 -8.800073e-02 -0.426202269 -0.2439838551
## 143 -0.879228315 -2.057239735 -3.779596e-01 -0.511942216 -0.2424427922
## 144 -0.824380726 -2.196225852 -7.285599e-01 -0.495495402 -0.2222668465
## 145 -0.388303248 -2.245570686 -1.274228e+00 -0.186120423 0.0486929337
## 146 -0.199633535 -2.240405414 -1.947907e+00 0.386486854 0.1233960871
## 147 -0.815597240 -2.183147823 -8.484825e-01 -0.436886452 -0.2100453576
## 148 0.989852416 1.223294209 1.301223e+00 -0.122340095 -0.2309401679
## 149 0.868278879 1.216480445 7.538843e-01 0.026414050 -0.1713948480
## 150 1.056178668 1.214941854 1.455108e+00 -0.127120080 -0.2329326104
## 151 1.014140506 1.337809391 1.633540e+00 -0.125804335 -0.2360796910
## 152 3.110569003 1.107606766 1.919787e-01 0.791053494 0.5757865933
## 153 1.319900542 2.201692000 2.244486e+00 -0.012825133 -0.2383662672
## 154 1.766788888 1.140356789 1.330069e+00 0.003330218 -0.1854324916
## 155 1.225758807 1.146950754 -7.650813e-01 0.007493969 -0.1110974651
## 156 2.667184596 1.174572138 1.557638e+00 -0.025507917 -0.1884082739
## 157 0.684387678 1.564715034 1.003906e+00 -0.068469493 -0.2297743288
## 158 1.591412051 1.118669973 1.809843e-01 1.318059377 1.4565521288
## 159 0.619881857 1.518777082 1.066554e+00 -0.032744515 -0.2219285105
## 160 0.925259407 1.216333913 9.221279e-01 0.435560816 0.0315162447
## 161 2.120909230 1.128560920 1.037367e+00 0.353584898 0.0476046834
## 162 2.125269324 1.132077701 1.844288e+00 0.023174652 -0.1510411910
## 163 1.245756678 1.221975416 1.642813e+00 -0.048333596 -0.2071681912

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## 164	1.351086604	1.180286907	2.589630e+00	-0.144441282	-0.2399639029
## 165	0.426092512	1.612484643	4.861224e-01	-0.019478806	-0.1929156033
## 166	1.870211416	1.161823807	1.337956e+00	-0.027806307	-0.1689741995
## 167	2.012997752	1.335171805	1.255055e+00	-0.069552068	-0.2306044871
## 168	1.703345298	1.146877487	1.641804e+00	-0.068119738	-0.1839835961
## 169	1.119785888	1.242343439	1.925543e+00	-0.140618959	-0.2363977387
## 170	1.295493979	1.468223355	1.972014e+00	-0.077205041	-0.2347835972
## 171	1.918232839	1.402063911	2.477004e+00	-0.047442554	-0.2207231278
## 172	1.245045079	1.381988953	2.277550e+00	-0.060649970	-0.1789480833
## 173	0.677015978	1.382428551	-2.499539e-01	0.564378924	1.2847841623
## 174	1.205010996	1.481044952	1.445352e+00	-0.009652355	-0.2158460419
## 175	0.689991711	1.363672385	2.831226e+00	-0.024242137	-0.1978861861
## 176	1.777185358	1.356199225	5.649872e-01	1.203522932	0.6323135790
## 177	1.079317646	1.514307839	1.886164e+00	-0.107258991	-0.2370981486
## 178	1.703316741	0.289662110	1.641766e+00	-0.165551496	-0.1839836320
## 179	2.165503334	0.342340559	1.430927e+00	-0.009161033	-0.1611842595
## 180	1.026973906	0.467039753	1.300841e+00	-0.194872626	-0.2260485686
## 181	2.292908910	0.385640926	1.575660e+00	-0.090728902	-0.1835394717
## 182	1.769921316	0.335746595	2.977982e+00	-0.211252820	-0.2375235189
## 183	1.342565926	0.302117376	1.219465e+00	-0.164069201	-0.1300224679
## 184	1.887701988	0.295743210	-1.985118e-01	0.479813154	0.3454551079
## 185	1.320167427	0.394579411	2.127506e+00	-0.241265133	-0.2384920166
## 186	2.915515913	0.301311447	2.825398e+00	0.479305177	0.0010379361
## 187	1.015547032	0.394432878	8.928251e-01	-0.138936804	-0.1964644526
## 188	2.195015003	0.410404925	1.162440e+00	-0.167416856	-0.2001249473
## 189	0.913710148	-0.997186684	1.144512e+00	-0.351412985	-0.2280768461
## 190	1.230899542	-0.971690022	1.642434e+00	-0.305986468	-0.2266289055
## 191	0.905804187	-0.758485172	1.593961e+00	-0.334466521	-0.2368164038
## 192	1.079248083	-0.573780901	1.886070e+00	-0.344592762	-0.2370982360
## 193	1.973515547	-1.209072742	1.421848e+00	-0.240257505	-0.1594956909
## 194	2.215579177	-1.122545275	2.047938e+00	-0.360731458	-0.2074248094
## 195	1.262687504	-1.103569311	1.512707e+00	-0.289856100	-0.2187741817
## 196	2.271249651	-0.941650851	1.913078e+00	-0.383673723	-0.2381747591
## 197	1.262690507	-1.013451797	1.512711e+00	-0.279613274	-0.2187741779
##	GLNU_area.H.PET	ZSNU.H.PET	ZSP.H.PET	GLNU_norm.H.PET	ZSNU_norm.H.PET
## 1	-0.544468574	-0.460196526	-0.22481336	-0.580603750	-0.316295067
## 2	-0.579665758	-0.382468691	0.51276724	-0.697991076	0.551824862
## 3	-0.428863619	-0.561860706	-0.92858781	0.741760239	-1.020653952
## 4	0.539065718	0.194026007	-0.61288519	-0.630611111	-0.510747798
## 5	-0.581081724	-0.587496983	-1.11618306	0.876127678	-1.125513563
## 6	-0.545961288	-0.586480950	-1.29483365	1.003005593	-1.180467522
## 7	-0.527301915	-0.264188885	0.36339467	-0.872302635	0.268636715
## 8	-0.492399124	-0.492930113	-0.09685944	-0.005107297	-0.146023563
## 9	-0.672833855	-0.578443785	-0.79732777	-0.362384544	-0.965115807
## 10	-0.670062244	-0.545468603	-0.08876293	-0.429198291	-0.106022051
## 11	2.649126901	0.836910972	-0.59691815	-0.437247597	-0.698419926
## 12	-0.483008102	-0.574228974	-1.07474632	0.594524206	-1.191438729
## 13	-0.234369246	-0.001868078	-0.03086254	-0.849203506	-0.081371448
## 14	-0.714667203	-0.586946078	0.17964958	0.275164275	0.057971991
## 15	0.404221009	1.340328081	0.33397157	-0.949012331	0.274877032
## 16	-0.604263720	-0.561826438	-0.57608818	-0.063968252	-0.780243042
## 17	-0.281845800	-0.421308682	-1.28263866	-0.335186768	-0.692594955
## 18	0.584008670	0.437016218	-0.20688497	-0.671288741	-0.233799968
## 19	-0.381076482	-0.268153277	0.03389840	-0.711676827	-0.128146811

## 20	-0.391205955	-0.297798165	-0.04714763	-0.708942251	-0.236261652
## 21	-0.394355941	-0.421873092	-0.27711985	-0.347521316	-0.340060949
## 22	-0.686574591	-0.582308121	0.14927232	0.419672166	-0.160317535
## 23	-0.356531058	-0.259779433	-0.09139109	-0.666224949	-0.070957413
## 24	0.292930230	0.207116128	0.06454909	-0.606971501	-0.087030957
## 25	-0.669249289	-0.583207069	-0.46048549	0.174834271	-0.705149878
## 26	-0.385537999	-0.527751709	-1.19269260	0.154855777	-0.930203125
## 27	-0.701055096	-0.540216898	0.24006653	-0.620985402	0.303684469
## 28	-0.212489228	-0.363510231	-0.54123300	-0.263534429	-0.405918579
## 29	-0.617726195	-0.590288528	-0.85872958	0.628831881	-1.158015213
## 30	-0.329159160	-0.125647538	-0.07361335	-0.835041617	-0.096506243
## 31	-0.668450117	-0.601294636	-1.33340229	1.176789539	-1.290632078
## 32	-0.255767352	-0.361475495	-0.48681451	-0.404117399	-0.478745914
## 33	-0.083096777	0.064412537	0.17318521	-0.726482146	0.052609641
## 34	-0.479478422	-0.384531230	-0.03957006	-0.631357490	-0.153202629
## 35	-0.295573645	-0.082976706	0.31016749	-0.739029027	0.266161525
## 36	-0.647441435	-0.581127374	-0.35648632	0.601852871	-0.527337992
## 37	-0.405284078	-0.548570771	-0.88007290	0.361930779	-1.040327159
## 38	-0.664937354	-0.527830652	0.35914832	-0.484063547	0.160299006
## 39	-0.137868735	-0.166760363	-0.34659027	-0.584251996	-0.207099651
## 40	-0.634943052	-0.428900324	0.20645010	-0.896032324	0.003095698
## 41	-0.472586005	-0.177388415	0.43920113	-0.853456577	0.411177980
## 42	-0.570013196	-0.419608653	0.09381037	-0.726636570	-0.044486718
## 43	-0.336361227	-0.532488628	-1.34798271	-0.016399490	-1.197449424
## 44	-0.668458547	-0.601296007	-1.33627596	1.170162213	-1.294110176
## 45	-0.735801895	-0.607086375	-1.51854236	1.534607267	-1.226878191
## 46	-0.100574976	0.569408611	0.16281486	-0.919704105	0.128759742
## 47	-0.583431867	-0.594078061	-1.44494556	1.994241321	-1.040468984
## 48	1.129680901	1.291807004	0.04866575	-0.697605018	-0.036517482
## 49	-0.643236670	-0.512643156	0.13675090	-0.503488692	-0.065790917
## 50	-0.444335732	-0.441939848	-0.50073649	-0.367750748	-0.422640467
## 51	-0.264972100	-0.235843877	0.16117157	-0.461710797	0.020682046
## 52	-0.578579321	-0.397469389	0.30146555	-0.672652812	0.207212817
## 53	-0.610099952	-0.596289604	-1.33202125	0.625415269	-1.408988737
## 54	-0.590729940	-0.413083477	0.33829325	-0.658510226	0.229472648
## 55	-0.427620389	-0.494053967	-0.54043786	-0.100708092	-0.650253324
## 56	-0.690662414	-0.600792708	-0.96953072	0.731053568	-1.208275428
## 57	-0.143009470	-0.300126795	-0.37471882	-0.329749786	-0.415474908
## 58	-0.232670566	0.122210870	0.15772594	-0.830930101	0.047237160
## 59	-0.568875090	-0.592236548	-1.36089193	0.879344826	-1.320043961
## 60	0.135598260	0.850325694	0.06629840	-0.888336904	0.120827651
## 61	0.150997956	-0.176393499	-0.72724355	-0.299733788	-0.437984623
## 62	-0.350095031	-0.529422257	-1.01934017	0.278066143	-0.968212328
## 63	0.379455155	-0.295473478	-0.60980505	0.178038552	-0.639477972
## 64	1.834290549	1.546612756	-0.11083723	-0.638203582	-0.203280496
## 65	-0.657854816	-0.468398966	0.42581203	-0.699676862	0.350348397
## 66	-0.127854674	0.052594821	-0.21202411	-0.733521268	-0.107413290
## 67	-0.618547646	-0.568757895	-0.68252580	-0.013825771	-0.843230397
## 68	2.793639494	3.950813870	0.13937069	-0.801654046	0.063094589
## 69	-0.543531164	-0.530156017	-0.44460216	-0.000950741	-0.496409927
## 70	-0.663781512	-0.491465170	0.32837209	-0.639458270	0.288171473
## 71	-0.299873286	-0.185508206	0.19486333	-0.545980794	0.150016666
## 72	-0.295229727	-0.345503074	-0.17502622	-0.274067374	-0.156187715
## 73	-0.585013858	-0.549943194	-0.49370854	0.518161961	-0.096428577

## 74	-0.474808811	-0.579486541	-1.18338523	1.076350152	-1.144109572
## 75	0.610272049	0.396422420	-0.24154206	-0.578969438	-0.312502926
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## 77	-0.731767608	-0.607342532	-1.38060033	1.365172906	-1.373596551
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## 79	-0.543626924	-0.530171594	-0.47724488	-0.076232024	-0.535918427
## 80	0.090230419	-0.286580266	-0.69372756	-0.329267214	-0.724525927
## 81	-0.386805790	-0.299154054	-0.03111085	-0.645281310	-0.128001609
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## 83	-0.701037090	-0.540213969	0.24620448	-0.606829947	0.311113418
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## 88	-0.118712391	-0.269953869	-0.41622530	-0.467134910	-0.477253370
## 89	-0.154385658	-0.255561046	-0.29317337	-0.477629250	-0.344822230
## 90	0.002572290	0.060781726	-0.07457032	-0.853906977	-0.282861421
## 91	0.324251818	0.328316120	-0.10359445	-0.810018633	-0.180173089
## 92	0.349481265	1.216144533	0.25233406	-1.069340132	0.129269638
## 93	-0.582285061	-0.393209684	0.29356713	-0.837827668	0.191591764
## 94	0.436266323	-0.288950776	-0.79186220	-0.178826900	-0.911765825
## 95	-0.412362001	-0.507612141	-0.51067160	-0.046737203	-0.721290958
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## 106	-0.657412084	-0.596898134	-1.66192206	1.341308096	-0.990921273
## 107	-0.669569234	-0.442944307	0.42657090	-0.831811599	0.414274501
## 108	-0.299056264	-0.555261915	-1.49392361	0.491832815	-1.265785621
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## 111	-0.634842626	-0.428883989	0.24068312	-0.817083492	0.044528971
## 112	-0.472485579	-0.177372079	0.47343414	-0.774507744	0.452611253
## 113	0.349498453	1.216147328	0.25819301	-1.055828107	0.136360907
## 114	-0.118855049	-0.269977075	-0.46485460	-0.579284719	-0.536110905
## 115	-0.744778652	-0.602494975	-0.74746809	0.040293107	-0.807605211
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## 117	-0.281970451	-0.421328958	-1.32513001	-0.433181121	-0.744023541
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## 119	-0.100809057	0.569370535	0.08302152	-1.103725019	0.032183409
## 120	0.002188431	0.060719285	-0.20542023	-1.155675538	-0.441233099
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## 124	0.435882464	-0.289013217	-0.92271212	-0.480595461	-1.070137504
## 125	-0.412745860	-0.507674581	-0.64152151	-0.348505764	-0.879662636
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## 138	-0.299440123	-0.555324356	-1.62477352	0.190064254	-1.424157300
## 139	-0.639892462	-0.580108261	-1.22935568	-0.206738883	-1.096223244
## 140	-0.647724869	-0.581173479	-0.45310321	0.379033142	-0.644276397
## 141	-0.635226485	-0.428946429	0.10983320	-1.118852053	-0.113842708
## 142	-0.472869438	-0.177434520	0.34258423	-1.076276305	0.294239574
## 143	0.349114593	1.216084888	0.12734310	-1.357596668	-0.022010772
## 144	-0.119238908	-0.270039515	-0.59570451	-0.881053279	-0.694482583
## 145	-0.668958628	-0.601377353	-1.50674355	0.777026625	-1.500432342
## 146	-0.282354311	-0.421391399	-1.45597992	-0.734949682	-0.902395219
## 147	2.648618390	0.836828255	-0.77025941	-0.837010512	-0.908220191
## 148	-0.511106263	-0.415152967	2.07430891	0.379052445	1.846673734
## 149	-0.113304387	-0.273746352	0.79933413	0.650528333	1.132974634
## 150	0.245422877	0.138445591	2.12315024	0.462608235	2.019619659
## 151	-0.381791566	-0.184805433	2.40373821	0.040724205	2.392681202
## 152	-0.444832826	-0.582445863	-0.86323539	2.636860367	-0.839721907
## 153	-0.406092802	-0.216033609	2.47739360	0.069009378	2.437200865
## 154	-0.079873701	-0.377974590	0.71993139	1.184613645	0.677748919
## 155	-0.605957750	-0.591452072	-0.13825433	2.848136965	-0.438295288
## 156	0.489348138	0.009879754	1.05136948	0.726530257	1.147305751
## 157	0.310025945	0.854555085	2.11625900	-0.275830372	2.072729889
## 158	-0.362383102	-0.574339753	-0.92097675	3.144719482	-0.661832354
## 159	1.046563597	2.310784733	1.93340392	-0.390643979	2.219910869
## 160	1.077362990	0.257346346	0.34632001	0.786562254	1.102286322
## 161	0.075177015	-0.448711170	-0.23787324	1.942162116	0.041830912
## 162	1.534277388	0.019186387	0.58119700	1.742106933	0.699299624
## 163	4.443948176	3.703358856	1.57913266	0.109622665	1.571694575
## 164	-0.540342554	-0.326664588	2.65243117	-0.013323895	2.678952362
## 165	0.519657729	0.715322986	1.37675890	-0.081012707	1.763428987
## 166	-0.461728214	-0.527382445	0.43575551	1.358378288	0.291794774
## 167	6.362646066	8.511761084	2.07954848	-0.217278263	2.104444746
## 168	-0.311695251	-0.450178690	0.91160280	1.384128347	0.985435713
## 169	-0.552195947	-0.372796995	2.45755129	0.107113288	2.554598515
## 170	0.175620505	0.239116932	2.19053376	0.294068242	2.278288899
## 171	0.184907623	-0.080872803	1.45075466	0.837895081	1.665880137
## 172	-0.394660639	-0.489753044	0.81339003	2.422353751	1.785398415
## 173	-0.174250545	-0.548839737	-0.56596336	3.538730134	-0.309963576
## 174	1.995911176	1.402978185	1.31772299	0.228090953	1.353249716
## 175	-0.713666411	-0.594771400	0.48442944	1.878411094	0.579160017
## 176	-0.688168139	-0.604551721	-0.96039354	4.116375642	-0.768937533
## 177	-0.388736520	-0.176210136	2.54697004	0.077129461	2.553916402
## 178	-0.311886771	-0.450209844	0.84631734	1.233565782	0.906418713
## 179	0.955827916	0.036972813	0.41335199	0.727495401	0.529203714
## 180	0.001755497	0.011825235	1.73858541	0.095467210	1.722252351
## 181	0.287904915	0.031015183	0.90132452	0.260841528	1.139370283

## 182	-0.626707102	-0.470294594	2.29321607	0.172369935	2.600482403
## 183	-0.460049301	-0.570437854	0.09562385	2.672004501	-0.322916961
## 184	-0.561497143	-0.592450069	-0.85372157	3.767919817	-0.588150690
## 185	-0.554471619	-0.445522101	2.53137965	0.446213644	2.313711477
## 186	-0.382572183	-0.476537783	0.46152373	1.406982973	1.052053122
## 187	0.537942296	0.070225606	0.96835651	0.451760009	1.023748827
## 188	0.466595762	0.099011253	1.21446036	0.430771330	1.288611109
## 189	0.780511658	0.731696796	1.65166647	-0.321784126	1.412532726
## 190	1.423870713	1.266765584	1.59361822	-0.234007437	1.617909390
## 191	1.474329607	3.042422409	2.30547523	-0.752650435	2.236794844
## 192	-0.389203044	-0.176286023	2.38794136	-0.289625506	2.361439096
## 193	1.647899723	0.032231792	0.21708270	1.028376029	0.154723918
## 194	-0.049356924	-0.405090937	0.77946391	1.292555423	0.535673652
## 195	4.109667523	2.663065103	1.28942146	0.003263724	1.362643959
## 196	0.384814510	0.855691165	2.45837712	-0.440419706	2.551883572
## 197	4.109687658	2.663068378	1.29628480	0.019092096	1.370950875
##	GLVAR_area.H.PET	ZSVAR_H.PET	Entropy_area.H.PET	Max_cooc.W.PET	
## 1	-0.422469955	-0.22265827	-0.47361782	-0.34619502	
## 2	-0.460160454	-0.23141569	-0.68021430	-0.30365644	
## 3	-0.732168752	-0.14238329	-0.71869791	0.22070368	
## 4	-0.101335797	-0.15967750	-0.22595355	-0.33516714	
## 5	-1.748194209	-0.01198442	-0.78028049	1.44122032	
## 6	-0.822088498	0.15839447	-0.75666409	0.51496485	
## 7	-0.072644580	-0.23132413	-0.40051292	-0.45013019	
## 8	-0.787272173	-0.22447193	-0.90406000	-0.02540126	
## 9	-0.446466713	-0.20440955	-0.43393587	-0.30980993	
## 10	-0.607311275	-0.22205362	-0.75549218	-0.13911978	
## 11	0.015286307	-0.20633552	-0.29857187	-0.26998511	
## 12	-0.543419877	-0.14517798	-0.53372890	0.22148151	
## 13	-0.033685559	-0.22700122	-0.27863127	-0.45583427	
## 14	-1.269287576	-0.23062059	-1.17418932	0.47690311	
## 15	-0.139042898	-0.23082968	-0.27816525	-0.48259157	
## 16	0.127394359	-0.21001762	-0.66094190	0.04655652	
## 17	-0.210240691	0.13139376	-0.38158955	-0.20113864	
## 18	-0.302750568	-0.22112160	-0.32683430	-0.33884886	
## 19	-0.099879964	-0.22901133	-0.42160682	-0.41761696	
## 20	-0.177108610	-0.22783651	-0.39592318	-0.41467850	
## 21	-0.554511856	-0.22195730	-0.60177902	-0.27397796	
## 22	-1.035563062	-0.23101113	-1.25737539	0.09462633	
## 23	-0.347416815	-0.22373107	-0.49405380	-0.44385571	
## 24	-0.186210632	-0.22886362	-0.52540119	-0.42031343	
## 25	-0.591920934	-0.21853072	-0.92433200	-0.08396310	
## 26	-1.347376210	1.12276310	-0.52286156	0.93189822	
## 27	-0.735436094	-0.22722712	-0.75628520	-0.19915086	
## 28	-0.081873102	-0.19613987	-0.57888417	-0.18219420	
## 29	-0.517053668	-0.20290545	-0.68404577	0.34188937	
## 30	0.124810469	-0.22665484	-0.25882187	-0.44554964	
## 31	-1.366435712	0.02952502	-0.97626223	0.52201716	
## 32	-0.652442284	-0.20602913	-0.44934791	-0.26362420	
## 33	0.063583134	-0.22988386	-0.49227244	-0.38024662	
## 34	-0.574122395	-0.22735080	-0.47519211	-0.18748343	
## 35	-0.274168504	-0.23071998	-0.52509083	-0.42579280	
## 36	-1.201633265	-0.22579996	-1.09804058	0.81244104	
## 37	-0.873684263	-0.18475572	-0.57891355	0.05345327	

## 38	-0.347068752	-0.23176734	-0.78917066	-0.27776339
## 39	0.097887045	-0.21236784	-0.45672400	-0.29895490
## 40	0.042729393	-0.23055557	-0.34206326	-0.45320693
## 41	-0.299715516	-0.23156341	-0.44234190	-0.41433279
## 42	-0.021821332	-0.22981237	-0.49022331	-0.41849850
## 43	-0.982466779	3.20935046	-0.29602685	0.57425267
## 44	-1.366442822	0.02952168	-0.97676643	0.50421353
## 45	-2.207323094	2.14503261	-1.10385559	7.18593326
## 46	-0.337484966	-0.22665578	-0.05031626	-0.21844101
## 47	-0.572501425	1.07784633	-1.03358794	1.80161420
## 48	-0.076202918	-0.22772444	-0.32123957	-0.19562470
## 49	-0.273075818	-0.22958538	-0.65272678	-0.07609839
## 50	-0.229224694	-0.20730022	-0.48693716	-0.01286957
## 51	-0.322643508	-0.22999893	-0.62476002	-0.13244774
## 52	0.065774504	-0.23041736	-0.54040302	-0.15740740
## 53	-1.269557282	0.15681672	-0.44310751	1.12965679
## 54	-0.179990233	-0.23111990	-0.48571092	-0.12484231
## 55	-0.717914758	-0.19792596	-0.52082124	0.15023242
## 56	-0.425575530	-0.20068677	-0.86593228	0.27172923
## 57	-0.316420610	-0.20579869	-0.47205576	-0.09996908
## 58	0.115163748	-0.22865491	-0.24359878	-0.18817483
## 59	-0.846096301	0.45533091	-0.52290170	0.45697341
## 60	-0.005717488	-0.22480296	-0.10879822	-0.24162030
## 61	-0.141444641	-0.08953261	-0.46016287	-0.05926272
## 62	-0.695686918	-0.08712504	-0.45986867	0.23446261
## 63	-0.797810146	-0.18086531	-0.61401946	0.19560575
## 64	-0.263781019	-0.21992059	-0.28450992	-0.17745809
## 65	-0.458953963	-0.23157971	-0.54238900	-0.13505779
## 66	0.243713656	-0.21354524	-0.25827655	-0.15911862
## 67	-0.030400047	-0.20420745	-0.53421793	0.29518508
## 68	-0.166473510	-0.22855350	-0.22845108	-0.24206971
## 69	-0.652553218	-0.20672473	-0.68824928	0.14371595
## 70	-0.120959411	-0.23039138	-0.62010322	-0.11839497
## 71	-0.256265002	-0.22938744	-0.55495987	-0.14546341
## 72	-0.549716142	-0.21889170	-0.58355615	0.11185955
## 73	-1.150481006	-0.20664537	-1.02001209	0.95858638
## 74	-1.002585901	0.26163375	-0.65862745	0.74252290
## 75	-0.104136970	-0.22123888	-0.26229257	-0.08766211
## 76	-1.057150131	-0.21185701	-1.01642391	0.65315905
## 77	-1.055308026	0.20378272	-1.04583084	2.17689052
## 78	-0.072262636	-0.23079051	-0.55904100	-0.12382249
## 79	-0.652633984	-0.20676266	-0.69397666	-0.05851946
## 80	-0.305237544	-0.19165407	-0.34169318	-0.15699255
## 81	-0.089559923	-0.22616315	-0.46932277	-0.34237501
## 82	-0.187301827	-0.20629544	-0.34239956	-0.27240502
## 83	-0.735420908	-0.22721999	-0.75520826	-0.16112369
## 84	-0.517038481	-0.20289831	-0.68296883	0.37991654
## 85	-1.366420525	0.02953216	-0.97518528	0.56004433
## 86	-0.347053565	-0.23176021	-0.78809372	-0.23973622
## 87	-1.420719488	0.01871820	-0.75801174	0.55297474
## 88	-0.206894984	-0.21338254	-0.41025240	-0.32994704
## 89	-0.218157463	-0.21826988	-0.49641084	-0.34947918
## 90	-0.169043766	-0.22828744	-0.35969087	-0.68041928
## 91	-0.115257231	-0.22435971	-0.43290934	-0.71651053

## 92	0.056402369	-0.23108306	-0.24709298	-0.76413092
## 93	-0.072459375	-0.23088291	-0.57299231	-0.61644721
## 94	-0.823371503	-0.18802757	-0.42412784	-0.30979264
## 95	-0.998895968	-0.21743406	-0.68967917	-0.29292241
## 96	-0.208881544	-0.21969583	-0.44682492	-0.67455964
## 97	-0.122046311	-0.23121272	-0.51250038	-0.74843607
## 98	-0.208873054	-0.21969184	-0.44622281	-0.65329900
## 99	-0.695664138	-0.08711434	-0.45825326	0.29150336
## 100	-0.735555726	-0.22728331	-0.76476858	-0.49870126
## 101	-1.366555344	0.02946884	-0.98474561	0.22246676
## 102	0.056388494	-0.23108958	-0.24807691	-0.79887392
## 103	0.056425909	-0.23107201	-0.24542371	-0.70518880
## 104	-0.823363012	-0.18802358	-0.42352574	-0.28853200
## 105	0.056445928	-0.23106260	-0.24400411	-0.65506207
## 106	-1.659975585	9.03939768	-1.02070916	1.48241066
## 107	0.013460072	-0.23117363	-0.44348591	-0.18922922
## 108	-0.662461838	1.53597720	-0.29997728	0.56317293
## 109	-0.291403753	-0.05435573	-0.62880786	0.20205308
## 110	-1.201548563	-0.22576018	-1.09203417	1.02452895
## 111	0.042814095	-0.23051579	-0.33605685	-0.24111903
## 112	-0.299630814	-0.23152363	-0.43633549	-0.20224489
## 113	0.056416865	-0.23107625	-0.24606498	-0.72783225
## 114	-0.207015306	-0.21343905	-0.41878474	-0.63122595
## 115	-1.057371032	-0.21196076	-1.03208854	0.10003656
## 116	-1.366540847	0.02947565	-0.98371761	0.25876543
## 117	-0.210345826	0.13134438	-0.38904493	-0.46439038
## 118	0.015181172	-0.20638489	-0.30602725	-0.53323685
## 119	-0.337682396	-0.22674851	-0.06431653	-0.71279423
## 120	-0.169367524	-0.22843949	-0.38264936	-1.49108944
## 121	-0.115580988	-0.22451176	-0.45586783	-1.52718068
## 122	0.056078611	-0.23123512	-0.27005146	-1.57480107
## 123	-0.072783133	-0.23103497	-0.59595080	-1.42711737
## 124	-0.823695261	-0.18817962	-0.44708633	-1.12046280
## 125	-0.999219726	-0.21758611	-0.71263765	-1.10359256
## 126	-0.209205302	-0.21984788	-0.46978341	-1.48522980
## 127	-0.122370069	-0.23136477	-0.53545886	-1.55910622
## 128	-0.209196811	-0.21984390	-0.46918130	-1.46396915
## 129	-0.695987895	-0.08726640	-0.48121174	-0.51916679
## 130	-0.735879484	-0.22743536	-0.78772707	-1.30937141
## 131	-1.366879101	0.02931679	-1.00770409	-0.58820339
## 132	0.056064736	-0.23124163	-0.27103539	-1.60954408
## 133	0.056102151	-0.23122406	-0.26838220	-1.51585896
## 134	-0.823686770	-0.18817563	-0.44648422	-1.09920215
## 135	0.056122170	-0.23121466	-0.26696259	-1.46573223
## 136	-1.660299342	9.03924563	-1.04366765	0.67174051
## 137	0.013136314	-0.23132568	-0.46644439	-0.99989938
## 138	-0.662785595	1.53582515	-0.32293576	-0.24749722
## 139	-0.291727510	-0.05450779	-0.65176634	-0.60861707
## 140	-1.201872321	-0.22591224	-1.11499265	0.21385879
## 141	0.042490337	-0.23066784	-0.35901534	-1.05178918
## 142	-0.299954572	-0.23167569	-0.45929397	-1.01291504
## 143	0.056093108	-0.23122831	-0.26902347	-1.53850241
## 144	-0.207339064	-0.21359110	-0.44174322	-1.44189611
## 145	-1.366864605	0.02932359	-1.00667610	-0.55190473

## 146	-0.210669584	0.13119233	-0.41200342	-1.27506054
## 147	0.014857414	-0.20653695	-0.32898574	-1.34390700
## 148	1.691974555	-0.22619041	1.41064215	0.42349222
## 149	1.779676802	-0.18162009	1.74222139	0.54994985
## 150	1.592839175	-0.22701751	1.46657568	0.31079351
## 151	2.369675199	-0.22785438	1.63528969	0.26087421
## 152	-0.300988373	0.54661379	1.82988070	2.83500258
## 153	1.878145725	-0.22925944	1.74467388	0.32600438
## 154	0.802296674	-0.16287157	1.67445324	0.87615384
## 155	1.386975131	-0.16839319	0.98423117	1.11914746
## 156	1.605284971	-0.17861704	1.77198420	0.37575083
## 157	2.468453686	-0.22432947	2.22889815	0.19933933
## 158	0.545933589	1.14364218	1.67029232	1.48963583
## 159	2.226691215	-0.21662557	2.49849927	0.09244841
## 160	1.955236908	0.05391512	1.79576997	0.45716355
## 161	0.846752355	0.05873026	1.79635837	1.04461421
## 162	0.642505899	-0.12875028	1.48805679	0.96690050
## 163	1.710564153	-0.20686084	2.14707588	0.22077282
## 164	1.320218264	-0.23017908	1.63131772	0.30557342
## 165	2.725553503	-0.19411013	2.19954262	0.25745176
## 166	2.177326097	-0.17543456	1.64765985	1.16605917
## 167	1.905179171	-0.22412666	2.25919356	0.09154958
## 168	0.933019755	-0.18046911	1.33959715	0.86312089
## 169	1.996207369	-0.22780241	1.47588928	0.33889905
## 170	1.725596186	-0.22579454	1.60617598	0.28476218
## 171	1.138693907	-0.20480304	1.54898341	0.79940809
## 172	-0.062835821	-0.18031040	0.67607154	2.49286175
## 173	0.232954388	0.75624784	1.39884081	2.06073480
## 174	2.029852251	-0.20949741	2.19151058	0.40036478
## 175	0.123825928	-0.19073368	0.68324790	1.88200709
## 176	0.127510139	0.64054579	0.62443404	4.92947004
## 177	2.093600919	-0.22860068	1.59801372	0.32804402
## 178	0.932858222	-0.18054497	1.32814239	0.45865007
## 179	1.627651102	-0.15032779	2.03270935	0.26170389
## 180	2.059006344	-0.21934594	1.77745018	-0.10906103
## 181	1.863522537	-0.17961053	2.03129659	0.03087896
## 182	0.767284375	-0.22145964	1.20567920	0.25344162
## 183	1.204049228	-0.17281628	1.35015805	1.33552207
## 184	-0.494714860	0.29204466	0.76572515	1.69577766
## 185	1.544019061	-0.23054007	1.13990828	0.09621655
## 186	-0.603312785	0.27041676	1.20007223	1.68163847
## 187	1.824336223	-0.19378473	1.89559091	-0.08420509
## 188	1.801811264	-0.20355941	1.72327403	-0.12326937
## 189	1.900038659	-0.22359454	1.99671397	-0.78514957
## 190	2.007611729	-0.21573906	1.85027703	-0.85733206
## 191	2.350930928	-0.22918578	2.22190976	-0.95257284
## 192	2.093207440	-0.22878548	1.57011109	-0.65720542
## 193	0.591383185	-0.14307479	1.86784003	-0.04389629
## 194	0.240334254	-0.20188777	1.33673738	-0.01015582
## 195	1.820363102	-0.20641132	1.82244587	-0.77343029
## 196	1.994033568	-0.22944509	1.69109495	-0.92118313
## 197	1.820380084	-0.20640334	1.82365009	-0.73090900
##	Average_cooc.W.PET	Variance_cooc.W.PET	Entropy_cooc.W.PET	DAVE_cooc.W.PET
## 1	-0.31008562	-0.25641729	-0.33803326	-0.25403369

## 2	0.02683964	0.44936762	-0.17361992	0.53649884
## 3	-1.03175940	-0.89691806	-1.03456848	-1.13394327
## 4	-0.24731569	-0.31300374	-0.34407625	-0.45528199
## 5	-1.25206094	-0.92136541	-1.25766174	-1.20343080
## 6	-1.16802267	-0.93035829	-1.17934249	-1.22588904
## 7	0.60302531	0.99065400	-0.01213800	0.88682492
## 8	-0.83583675	-0.68634746	-0.67710383	-0.60995278
## 9	-0.48684583	-0.56918515	-0.57804622	-0.75231290
## 10	-0.56663150	-0.32888897	-0.49083243	-0.20310362
## 11	-0.42927982	-0.63616783	-0.55909764	-0.79589540
## 12	-1.07397391	-0.91301085	-1.08656595	-1.18439231
## 13	0.52518737	0.30850843	-0.06301832	0.33854493
## 14	-0.88657266	-0.58779242	-0.84693090	-0.28517540
## 15	1.21154933	1.47023668	0.14790935	0.98013139
## 16	-0.81711872	-0.81288767	-0.79878908	-0.90664104
## 17	-0.55761420	-0.61068166	-0.55196481	-0.74133082
## 18	-0.19462549	0.09345168	-0.23900117	-0.22805517
## 19	-0.05029363	-0.06419586	-0.21480472	0.07573571
## 20	0.01135794	-0.02806740	-0.22290057	-0.12567962
## 21	-0.58396404	-0.51382379	-0.48651211	-0.48663464
## 22	-0.87464118	-0.73424104	-0.81480497	-0.56695726
## 23	-0.01571781	-0.12985005	-0.24519649	0.08334831
## 24	-0.27167517	-0.27520988	-0.28686765	-0.07100274
## 25	-0.80733486	-0.80542836	-0.85551923	-0.93878619
## 26	-1.11475572	-0.81752396	-0.99399457	-1.07792000
## 27	-0.23565394	0.23497582	-0.38981536	0.17169839
## 28	-0.66619165	-0.69336392	-0.61782885	-0.72751279
## 29	-1.10476937	-0.91397486	-1.09297154	-1.16112725
## 30	0.36094074	0.15342163	-0.10727718	0.19701867
## 31	-1.09105643	-0.87857940	-1.04650187	-1.10475434
## 32	-0.44088395	-0.22682330	-0.40255943	-0.53488624
## 33	0.06984547	-0.25018288	-0.25726716	-0.19349879
## 34	-0.21988478	0.08247837	-0.26830642	0.01916904
## 35	0.01246988	0.42034091	-0.12732861	0.32376451
## 36	-1.10873588	-0.88464650	-1.07379713	-0.99424507
## 37	-1.01898128	-0.84116676	-0.88320925	-0.91232949
## 38	-0.30588605	-0.09045434	-0.36952075	0.06980261
## 39	-0.22251486	-0.50428718	-0.42105048	-0.53468167
## 40	0.59224321	0.65111992	-0.01589209	0.79709472
## 41	0.41737235	1.55469676	0.01980268	0.96906214
## 42	0.13825914	0.03612580	-0.19741371	0.11763744
## 43	-1.02419147	-0.81406095	-0.92402558	-1.11593080
## 44	-1.09121384	-0.87860680	-1.04676470	-1.10508203
## 45	-1.40187530	-0.97239884	-1.71944949	-1.43275739
## 46	1.16584572	4.36645065	0.22264113	0.95041052
## 47	-1.18664396	-0.95403921	-1.34655762	-1.32940195
## 48	0.19988917	0.05775552	-0.17209858	-0.12779434
## 49	-0.20880575	-0.33287168	-0.36171987	0.02638332
## 50	-0.39069943	-0.57159245	-0.51308830	-0.51753170
## 51	-0.30436913	-0.40559282	-0.35544442	-0.16213055
## 52	0.13737262	-0.14498236	-0.24915600	0.06767230
## 53	-1.13824517	-0.88035704	-1.05719333	-1.12422487
## 54	0.38805072	0.42915515	-0.16586651	0.37325116
## 55	-0.75659437	-0.60336158	-0.61529728	-0.69672676

## 56	-0.98649837	-0.88733117	-0.99997376	-1.04395697
## 57	-0.54091129	-0.53237938	-0.47358993	-0.54945542
## 58	0.94771595	0.49688035	-0.01687552	0.44172539
## 59	-1.04230416	-0.87934197	-1.02805470	-1.18033181
## 60	1.10614952	1.48788258	0.11986030	0.52073248
## 61	-0.50940628	-0.58300029	-0.54710761	-0.78933777
## 62	-0.96657869	-0.84515013	-0.86928093	-0.97272727
## 63	-0.93755828	-0.75570625	-0.75367234	-0.80444080
## 64	-0.11115053	0.17595051	-0.20385247	-0.19077355
## 65	0.36161377	1.56642911	-0.11110757	0.79313603
## 66	0.52079127	-0.05548700	-0.19593983	-0.08305761
## 67	-0.81221449	-0.78056052	-0.74042175	-0.83040723
## 68	0.56880999	0.88981382	0.02143910	0.25979077
## 69	-0.80634885	-0.66266481	-0.64582685	-0.59993786
## 70	0.07865127	0.28313399	-0.18074637	0.75871582
## 71	-0.24484806	-0.20448839	-0.26262603	0.11221496
## 72	-0.69141534	-0.43882626	-0.51655456	-0.44229050
## 73	-1.00779314	-0.79548339	-0.88984143	-0.92923068
## 74	-0.98828364	-0.87623679	-0.96252060	-1.06023649
## 75	-0.15484345	-0.13692812	-0.29544144	-0.44957191
## 76	-1.00042204	-0.83394785	-0.92007117	-0.74683729
## 77	-1.24668494	-0.95689057	-1.39230847	-1.33364443
## 78	0.07969459	0.25250126	-0.15121988	0.51065998
## 79	-0.80813688	-0.66297607	-0.64881237	-0.60366017
## 80	-0.66740812	-0.59446387	-0.58516450	-0.78419303
## 81	-0.13695601	-0.19640983	-0.26542094	-0.11558103
## 82	-0.36156226	-0.25413356	-0.37322049	-0.47283888
## 83	-0.23531773	0.23503434	-0.38925398	0.17239831
## 84	-1.10443316	-0.91391634	-1.09241016	-1.16042733
## 85	-1.09072022	-0.87852087	-1.04594049	-1.10405441
## 86	-0.30554984	-0.09039582	-0.36895937	0.07050253
## 87	-0.95716665	-0.63264323	-0.76292897	-0.69034507
## 88	-0.36398557	-0.41986711	-0.38862294	-0.34579111
## 89	-0.37234313	-0.48455962	-0.42467648	-0.43192531
## 90	0.14941214	-0.10933042	-0.21945319	-0.13948079
## 91	-0.11670640	-0.19677088	-0.25634191	-0.18862734
## 92	1.01864814	0.94620814	0.08013177	0.60688162
## 93	0.07533914	0.25174307	-0.15849229	0.50159282
## 94	-0.86265102	-0.67627027	-0.70783754	-0.87118559
## 95	-0.90167842	-0.74498274	-0.74756147	-0.77988184
## 96	-0.37378074	-0.40279591	-0.37104795	-0.39029846
## 97	0.17379026	0.40961086	-0.07460288	0.63352571
## 98	-0.37359277	-0.40276319	-0.37073409	-0.38990714
## 99	-0.96607438	-0.84506234	-0.86843886	-0.97167739
## 100	-0.23830236	0.23451479	-0.39423749	0.16618492
## 101	-1.09370485	-0.87904043	-1.05092400	-1.11026780
## 102	1.01834097	0.94615467	0.07961888	0.60624215
## 103	1.01916926	0.94629886	0.08100191	0.60796650
## 104	-0.86246305	-0.67623755	-0.70752367	-0.87079427
## 105	1.01961245	0.94637601	0.08174191	0.60888913
## 106	-1.23699873	-0.94142665	-1.34514678	-1.37541636
## 107	0.90734280	1.09659368	-0.02724011	0.58661859
## 108	-1.02933762	-0.88606668	-1.08530234	-1.28785305
## 109	-0.44628165	-0.76635984	-0.77365488	-1.06475321

## 110	-1.10686074	-0.88432008	-1.07066617	-0.99034142
## 111	0.59411835	0.65144634	-0.01276113	0.80099837
## 112	0.41924748	1.55502318	0.02293364	0.97296579
## 113	1.01896907	0.94626401	0.08066763	0.60754973
## 114	-0.36664927	-0.42033080	-0.39307059	-0.35133640
## 115	-1.00531237	-0.83479915	-0.92823668	-0.75701796
## 116	-1.09338392	-0.87898456	-1.05038814	-1.10959970
## 117	-0.55994169	-0.61108683	-0.55585108	-0.74617619
## 118	-0.43160731	-0.63657300	-0.56298391	-0.80074076
## 119	1.16147499	4.36568980	0.21534320	0.94131154
## 120	0.14224476	-0.11057810	-0.23142077	-0.15440184
## 121	-0.12387378	-0.19801857	-0.26830949	-0.20354838
## 122	1.01148076	0.94496046	0.06816420	0.59196058
## 123	0.06817176	0.25049539	-0.17045986	0.48667177
## 124	-0.86981840	-0.67751795	-0.71980511	-0.88610663
## 125	-0.90884580	-0.74623042	-0.75952905	-0.79480288
## 126	-0.38094812	-0.40404359	-0.38301553	-0.40521950
## 127	0.16662288	0.40836318	-0.08657046	0.61860467
## 128	-0.38076015	-0.40401087	-0.38270167	-0.40482818
## 129	-0.97324176	-0.84631002	-0.88040643	-0.98659843
## 130	-0.24546975	0.23326711	-0.40620507	0.15126387
## 131	-1.10087223	-0.88028811	-1.06289158	-1.12518885
## 132	1.01117358	0.94490699	0.06765130	0.59132111
## 133	1.01200188	0.94505118	0.06903433	0.59304546
## 134	-0.86963043	-0.67748523	-0.71949125	-0.88571531
## 135	1.01244507	0.94512833	0.06977433	0.59396808
## 136	-1.24416612	-0.94267433	-1.35711435	-1.39033740
## 137	0.90017541	1.09534600	-0.03920769	0.57169755
## 138	-1.03650500	-0.88731436	-1.09726992	-1.30277409
## 139	-0.45344904	-0.76760752	-0.78562245	-1.07967426
## 140	-1.11402813	-0.88556776	-1.08263375	-1.00526247
## 141	0.58695096	0.65019865	-0.02472870	0.78607732
## 142	0.41208010	1.55377550	0.01096606	0.95804475
## 143	1.01180168	0.94501633	0.06870006	0.59262869
## 144	-0.37381665	-0.42157848	-0.40503817	-0.36625744
## 145	-1.10055131	-0.88023224	-1.06235572	-1.12452074
## 146	-0.56710907	-0.61233451	-0.56781866	-0.76109723
## 147	-0.43877470	-0.63782068	-0.57495149	-0.81566180
## 148	1.22840674	0.32822281	1.73523222	1.69427135
## 149	0.86461938	-0.14921873	1.43249537	0.60644131
## 150	1.03727997	0.18278053	1.74778312	1.31724360
## 151	1.92076348	0.70400145	1.96035996	1.77684931
## 152	-0.63047210	-0.76674790	0.34428530	-0.60694502
## 153	2.42211968	1.85227647	2.12693895	2.38800702
## 154	0.13282950	-0.21275699	1.22807740	0.24805118
## 155	-0.32697849	-0.78069617	0.45872444	-0.44640922
## 156	0.56419567	-0.07079258	1.51149210	0.54259388
## 157	3.54145014	1.98772687	2.42492092	2.52495548
## 158	-0.43859009	-0.76471777	0.40256256	-0.71915891
## 159	3.85831727	3.96973133	2.69839257	2.68296966
## 160	0.62720568	-0.17203441	1.36445675	0.06282917
## 161	-0.28713914	-0.69633409	0.72011012	-0.30394983
## 162	-0.22909831	-0.51744632	0.95132729	0.03262312
## 163	1.42371718	1.34586719	2.05096703	1.25995761

## 164	2.36924578	4.12682439	2.23645683	3.22777677
## 165	2.68760079	0.88299217	2.06679230	1.47538949
## 166	0.02158926	-0.56715486	0.97782846	-0.01930975
## 167	2.78363823	2.77359381	2.50155016	2.16108625
## 168	0.03332054	-0.33136345	1.16701826	0.44162899
## 169	1.80332078	1.56023415	2.09717923	3.15893635
## 170	1.15632212	0.58498940	1.93341990	1.86593463
## 171	0.26318756	0.11631365	1.42556285	0.75692370
## 172	-0.36956803	-0.59700060	0.67898911	-0.21695664
## 173	-0.33054904	-0.75850741	0.53363076	-0.47896828
## 174	1.33633134	0.72010993	1.86778909	0.74236089
## 175	-0.35482584	-0.67392953	0.61852962	0.14783012
## 176	-0.84735163	-0.91981497	-0.32594498	-1.02578415
## 177	1.80540742	1.49896868	2.15623221	2.66282466
## 178	0.02974449	-0.33198596	1.16104723	0.43418437
## 179	0.31120200	-0.19496156	1.28834296	0.07311864
## 180	1.37210621	0.60114652	1.92783009	1.41034265
## 181	0.92289373	0.48569906	1.71223099	0.69582696
## 182	1.17538277	1.46403486	1.68016401	1.98630133
## 183	-0.56284807	-0.83386650	0.27385164	-0.67934995
## 184	-0.53542220	-0.76307557	0.36679099	-0.56660412
## 185	1.03491856	0.81317454	1.72075323	1.78250976
## 186	-0.26831506	-0.27132029	0.93281404	0.26081456
## 187	0.91804711	0.15423196	1.68142609	0.94992248
## 188	0.90133197	0.02484693	1.60931901	0.77765409
## 189	1.94484253	0.77530534	2.01976559	1.36254313
## 190	1.41260545	0.60042441	1.94598815	1.26425003
## 191	3.68331452	2.88638246	2.61893551	2.85526796
## 192	1.79669652	1.49745231	2.14168739	2.64469034
## 193	-0.07928379	-0.35857437	1.04299690	-0.10086646
## 194	-0.15733859	-0.49599931	0.96354902	0.08174103
## 195	0.89845677	0.18837435	1.71657606	0.86090779
## 196	1.99359877	1.81318789	2.30946620	2.90855613
## 197	0.89883271	0.18843979	1.71720379	0.86169043
##	DVAR_cooc.W.PET	DENT_cooc.W.PET	SAVE_cooc.W.PET	SVAR_cooc.W.PET
## 1	-0.319310704	-0.342943902	-0.31038212	-0.228201985
## 2	0.694288007	0.002238598	0.02661683	0.309889358
## 3	-0.943343157	-1.093835590	-1.03221397	-0.843167429
## 4	-0.419773059	-0.444514652	-0.24759852	-0.242406342
## 5	-0.937808110	-1.135682315	-1.25256366	-0.871202130
## 6	-0.962853305	-1.208596176	-1.16850700	-0.877584099
## 7	1.522860273	0.133377690	0.60292864	0.759687031
## 8	-0.665960876	-0.582606028	-0.83624843	-0.675495040
## 9	-0.798507772	-0.717143475	-0.48718118	-0.471984378
## 10	-0.163181498	-0.306299270	-0.56698424	-0.363828822
## 11	-0.758355462	-0.710190628	-0.42960249	-0.562058083
## 12	-0.954384661	-1.155149723	-1.07443780	-0.858771830
## 13	0.404319063	-0.066685619	0.52507358	0.239725828
## 14	-0.370162432	-0.402604796	-0.88699544	-0.659059545
## 15	1.443177869	0.153155116	1.21158596	1.376397452
## 16	-0.821620644	-0.808218161	-0.81752638	-0.774542633
## 17	-0.681907216	-0.631924175	-0.55796489	-0.548479885
## 18	-0.105505213	-0.301787106	-0.19489678	0.202392375
## 19	-0.065730352	-0.191752314	-0.05053326	-0.100694933

## 20	-0.245534412	-0.287355510	0.01113181	0.034673885
## 21	-0.508050016	-0.474418940	-0.58432049	-0.492324141
## 22	-0.689215590	-0.601145638	-0.87506135	-0.744305102
## 23	-0.102582663	-0.198758146	-0.01594986	-0.185553453
## 24	-0.188338945	-0.254667828	-0.27196326	-0.322600019
## 25	-0.884277545	-0.887202164	-0.80774030	-0.750283819
## 26	-0.862106712	-0.955502400	-1.11522838	-0.754582771
## 27	0.206361650	-0.145695551	-0.23593415	0.228607743
## 28	-0.719938895	-0.652470443	-0.66656619	-0.655997252
## 29	-0.947970695	-1.121929375	-1.10523992	-0.863035052
## 30	0.271844282	-0.118584239	0.36079099	0.099929631
## 31	-0.937223978	-1.062439272	-1.09152391	-0.822133837
## 32	-0.520175679	-0.497864718	-0.44120916	-0.093886540
## 33	-0.292903606	-0.315106585	0.06963207	-0.239255709
## 34	0.022243547	-0.191950162	-0.22016169	0.099703434
## 35	0.539316740	-0.063741580	0.01224392	0.373819290
## 36	-0.895307446	-0.925575566	-1.10920722	-0.848651398
## 37	-0.847375992	-0.829286950	-1.01943306	-0.807762060
## 38	0.046905575	-0.189901791	-0.30618179	-0.152472815
## 39	-0.553395787	-0.505000757	-0.22279219	-0.462531733
## 40	0.905926845	0.074033014	0.59214426	0.441131735
## 41	1.646680489	0.156299257	0.41723495	1.462502105
## 42	0.078229445	-0.166896238	0.13806072	-0.001619722
## 43	-0.890946160	-1.018472591	-1.02464438	-0.741597584
## 44	-0.937281159	-1.063019850	-1.09160263	-0.822143070
## 45	-0.996078632	-1.515103711	-1.40343274	-0.917557374
## 46	3.099222531	0.174680476	1.16485050	5.027979903
## 47	-0.993930077	-1.401088858	-1.18815429	-0.897833892
## 48	0.003000483	-0.246855388	0.19868240	0.111682130
## 49	-0.204441728	-0.230182647	-0.21010200	-0.424618779
## 50	-0.563449117	-0.495063851	-0.39203557	-0.554404128
## 51	-0.286706039	-0.295222626	-0.30568630	-0.456974995
## 52	-0.026464678	-0.184032315	0.13615216	-0.212428560
## 53	-0.914618016	-1.033787455	-1.13974490	-0.826217331
## 54	0.657094554	-0.032288896	0.38688506	0.350521994
## 55	-0.703538162	-0.621340177	-0.75801054	-0.541932800
## 56	-0.920691729	-0.996714999	-0.98796479	-0.842489476
## 57	-0.584989961	-0.512658189	-0.54228024	-0.491837569
## 58	0.688767283	-0.013902040	0.94667298	0.411898974
## 59	-0.956819453	-1.154488540	-1.04378296	-0.813223449
## 60	1.130385455	0.026949811	1.10514115	1.646641470
## 61	-0.739582946	-0.693989114	-0.51076841	-0.494014349
## 62	-0.871514732	-0.881125821	-0.96804084	-0.801502377
## 63	-0.740650951	-0.699976961	-0.93901414	-0.724371101
## 64	-0.097452933	-0.285773857	-0.11242532	0.303684740
## 65	1.361964741	0.105646343	0.36044240	1.604461144
## 66	-0.026951325	-0.232779466	0.51965468	-0.048242854
## 67	-0.789014203	-0.736167840	-0.81364284	-0.746293935
## 68	0.410051745	-0.081182601	0.56768407	1.050540646
## 69	-0.649042517	-0.558369423	-0.80777591	-0.647601601
## 70	0.996742908	0.079811176	0.07741788	-0.051500186
## 71	-0.023932123	-0.169204460	-0.24641205	-0.306386957
## 72	-0.320183628	-0.423673021	-0.69307718	-0.429985329
## 73	-0.758075998	-0.799032624	-1.00952408	-0.758084299

## 74	-0.904560522	-0.973548801	-0.99001031	-0.828406715
## 75	-0.451271469	-0.438894880	-0.15638766	-0.000382965
## 76	-0.790041570	-0.707036905	-1.00215137	-0.830524414
## 77	-0.993949563	-1.406059284	-1.24846826	-0.901447774
## 78	0.544517085	-0.004598133	0.07820172	0.080368952
## 79	-0.649692047	-0.564964341	-0.80867012	-0.647706480
## 80	-0.690345938	-0.683875216	-0.66795107	-0.518526897
## 81	-0.189652272	-0.270262272	-0.13738283	-0.203812548
## 82	-0.426450389	-0.456073232	-0.36203832	-0.158217887
## 83	0.206483784	-0.144455481	-0.23576601	0.228627464
## 84	-0.947848561	-1.120689305	-1.10507178	-0.863015331
## 85	-0.937101844	-1.061199202	-1.09135577	-0.822114116
## 86	0.047027709	-0.188661721	-0.30601364	-0.152453095
## 87	-0.530400440	-0.589297333	-0.95777303	-0.610817370
## 88	-0.471015004	-0.403369130	-0.36446216	-0.402094132
## 89	-0.533488315	-0.455591295	-0.37282141	-0.460112048
## 90	-0.129299036	-0.276427111	0.15054074	-0.091093120
## 91	-0.242408176	-0.310557783	-0.11563614	-0.177780628
## 92	1.018763127	0.034909369	1.01996688	0.897676982
## 93	0.542934897	-0.020662676	0.07602352	0.080113479
## 94	-0.770327958	-0.765081763	-0.86165014	-0.603886565
## 95	-0.745178783	-0.697188494	-0.90078009	-0.713799271
## 96	-0.390470946	-0.414372496	-0.37267268	-0.383157066
## 97	0.826368130	0.030949037	0.17492420	0.194814551
## 98	-0.390402663	-0.413679185	-0.37257867	-0.383146040
## 99	-0.871331532	-0.879265716	-0.96778862	-0.801472796
## 100	0.205399569	-0.155463920	-0.23725865	0.228452398
## 101	-0.938186059	-1.072207642	-1.09284841	-0.822289182
## 102	1.018651541	0.033776396	1.01981326	0.897658964
## 103	1.018952434	0.036831478	1.02022750	0.897707549
## 104	-0.770259674	-0.764388451	-0.86155613	-0.603875539
## 105	1.019113429	0.038466115	1.02044914	0.897733545
## 106	-0.999274207	-1.469150663	-1.23730479	-0.877607764
## 107	0.515313901	0.005527602	0.90637498	1.192895263
## 108	-0.980865538	-1.306235904	-1.03072943	-0.810743642
## 109	-0.920312559	-1.009424589	-0.44754574	-0.677375705
## 110	-0.894626272	-0.918659357	-1.10826945	-0.848541410
## 111	0.906608018	0.080949222	0.59308203	0.441241723
## 112	1.647361662	0.163215465	0.41817273	1.462612093
## 113	1.018879709	0.036093072	1.02012738	0.897695806
## 114	-0.471982636	-0.413193866	-0.36579430	-0.402250373
## 115	-0.791818061	-0.725074286	-1.00459707	-0.830811260
## 116	-0.938069477	-1.071023938	-1.09268791	-0.822270358
## 117	-0.682752715	-0.640508841	-0.55912889	-0.548616406
## 118	-0.759200961	-0.718775295	-0.43076649	-0.562194604
## 119	3.097634792	0.158559566	1.16266466	5.027723534
## 120	-0.131902706	-0.302863149	0.14695626	-0.091513529
## 121	-0.245011846	-0.336993820	-0.11922062	-0.178201037
## 122	1.016159457	0.008473332	1.01638241	0.897256572
## 123	0.540331227	-0.047098714	0.07243905	0.079693069
## 124	-0.772931628	-0.791517800	-0.86523461	-0.604306974
## 125	-0.747782453	-0.723624532	-0.90436456	-0.714219681
## 126	-0.393074616	-0.440808534	-0.37625715	-0.383577475
## 127	0.823764460	0.004512999	0.17133972	0.194394142

## 128	-0.393006332	-0.440115222	-0.37616315	-0.383566450
## 129	-0.873935202	-0.905701753	-0.97137310	-0.801893206
## 130	0.202795899	-0.181899958	-0.24084312	0.228031988
## 131	-0.940789729	-1.098643679	-1.09643288	-0.822709592
## 132	1.016047871	0.007340359	1.01622879	0.897238555
## 133	1.016348764	0.010395440	1.01664303	0.897287139
## 134	-0.772863344	-0.790824488	-0.86514061	-0.604295949
## 135	1.016509759	0.012030078	1.01686467	0.897313135
## 136	-1.001877876	-1.495586700	-1.24088927	-0.878028174
## 137	0.512710231	-0.020908436	0.90279050	1.192474854
## 138	-0.983469208	-1.332671942	-1.03431391	-0.811164052
## 139	-0.922916229	-1.035860627	-0.45113022	-0.677796114
## 140	-0.897229942	-0.945095395	-1.11185393	-0.848961820
## 141	0.904004349	0.054513185	0.58949756	0.440821313
## 142	1.644757992	0.136779428	0.41458825	1.462191684
## 143	1.016276039	0.009657035	1.01654291	0.897275397
## 144	-0.474586306	-0.439629904	-0.36937878	-0.402670783
## 145	-0.940673146	-1.097459976	-1.09627239	-0.822690767
## 146	-0.685356385	-0.666944878	-0.56271336	-0.549036816
## 147	-0.761804631	-0.745211332	-0.43435097	-0.562615013
## 148	0.624910640	1.918426872	1.22620994	0.087339297
## 149	-0.093104138	1.388664464	0.86234278	-0.172231401
## 150	0.460382017	1.788346912	1.03504133	0.022626865
## 151	0.980864740	2.010727535	1.91871825	0.511719735
## 152	-0.795441937	0.311217255	-0.63307587	-0.715857808
## 153	2.347983204	2.314214373	2.42018406	1.637620844
## 154	-0.373282228	1.136111810	0.13039285	-0.147288744
## 155	-0.807589362	0.385362166	-0.32951566	-0.748402096
## 156	-0.136185827	1.353475787	0.56185345	-0.047098282
## 157	2.411328661	2.350988085	3.53975988	1.760374803
## 158	-0.879844811	0.069815085	-0.44115200	-0.689870044
## 159	3.294565005	2.432691787	3.85669623	4.229859795
## 160	-0.445371797	0.990813937	0.62487710	-0.051451843
## 161	-0.709235369	0.616540523	-0.28966774	-0.666427900
## 162	-0.447507806	0.978838243	-0.23161436	-0.512165347
## 163	0.838888229	1.807244451	1.42156329	1.543946335
## 164	3.757723577	2.590084851	2.36729874	4.145499142
## 165	0.979891445	1.913233233	2.68572329	0.840091146
## 166	-0.544234310	0.906456485	0.01912825	-0.556011016
## 167	1.853897585	2.216426963	2.78178206	3.037658147
## 168	-0.264290939	1.262053318	0.03086210	-0.358626348
## 169	3.027279911	2.538414517	1.80124968	0.833576484
## 170	0.985929850	2.040383245	1.15358982	0.323802942
## 171	0.393426840	1.531446122	0.26025957	0.076606196
## 172	-0.482357900	0.780726916	-0.37263423	-0.579591742
## 173	-0.775326949	0.431694563	-0.33360670	-0.720236575
## 174	0.131251157	1.501002404	1.33363861	0.935810925
## 175	-0.546289045	0.964718355	-0.35788881	-0.724471973
## 176	-0.954105030	-0.433326403	-0.85052259	-0.866318692
## 177	2.122828265	2.369595898	1.80281738	1.097314758
## 178	-0.265589999	1.248863483	0.02907368	-0.358836105
## 179	-0.346897781	1.011041733	0.31051179	-0.100476939
## 180	0.654489552	1.838267620	1.37164827	0.528951758
## 181	0.180893317	1.466645701	0.92233729	0.620141081

## 182	1.446761663	2.089881203	1.17488192	1.393831782
## 183	-0.861903027	0.137413554	-0.56372963	-0.789453807
## 184	-0.840409593	0.256393760	-0.53629761	-0.707651377
## 185	1.127849513	2.001468722	1.03438664	0.631670665
## 186	-0.027006785	1.200197500	-0.26913213	-0.285057886
## 187	0.091764088	1.572053905	0.91748961	0.132388592
## 188	-0.033182535	1.467609574	0.90077112	0.016352759
## 189	0.775196023	1.825937943	1.94749540	0.754390615
## 190	0.548977743	1.757676599	1.41514165	0.581015599
## 191	3.071320349	2.448610903	3.68634770	2.731930819
## 192	2.119663890	2.337466812	1.79846098	1.096803812
## 193	-0.506861821	0.848628640	-0.07688634	-0.271196275
## 194	-0.456563470	0.984415176	-0.15514624	-0.491021687
## 195	0.252852203	1.550047172	0.90106858	0.170262723
## 196	2.686530355	2.440690238	1.99626232	1.326205957
## 197	0.252988770	1.551433796	0.90125659	0.170284774
##	SENT_cooc.W.PET	ASM_cooc.W.PET	Contrast_cooc.W.PET	Dissimilarity_cooc.W.PET
## 1	-0.31594646	-0.200686914	-0.30753402	-0.25403369
## 2	-0.14676013	-0.233369738	0.77429481	0.53649884
## 3	-0.94197627	0.332482519	-0.95769098	-1.13394327
## 4	-0.31287994	-0.188804615	-0.47003729	-0.45528199
## 5	-1.15595640	1.229401118	-0.97056204	-1.20343080
## 6	-1.09170962	0.697349713	-0.98558798	-1.22588904
## 7	-0.03666392	-0.260540422	1.50678661	0.88682492
## 8	-0.64304882	-0.032878686	-0.65360469	-0.60995278
## 9	-0.44244805	-0.121020907	-0.77299549	-0.75231290
## 10	-0.42704987	-0.129679125	-0.20817166	-0.20310362
## 11	-0.48902207	-0.115404766	-0.77353576	-0.79589540
## 12	-0.99527364	0.432039028	-0.97362533	-1.18439231
## 13	-0.12057762	-0.258330367	0.46091080	0.33854493
## 14	-0.67983603	0.151309955	-0.34883503	-0.28517540
## 15	0.07729470	-0.278584877	1.58449045	0.98013139
## 16	-0.76614625	0.075440043	-0.84082846	-0.90664104
## 17	-0.49205381	-0.113922728	-0.71914664	-0.74133082
## 18	-0.20249760	-0.210671166	-0.20027857	-0.22805517
## 19	-0.24221839	-0.233369738	0.03696399	0.07573571
## 20	-0.20229862	-0.229911651	-0.18997898	-0.12567962
## 21	-0.46963732	-0.137193315	-0.52436738	-0.48663464
## 22	-0.74855493	0.068003856	-0.64245443	-0.56695726
## 23	-0.27434068	-0.234617769	0.02745689	0.08334831
## 24	-0.34778085	-0.216391310	-0.12668765	-0.07100274
## 25	-0.73026719	0.073619997	-0.87802212	-0.93878619
## 26	-0.88121553	0.563654344	-0.90945169	-1.07792000
## 27	-0.21651484	-0.164285997	0.23052318	0.17169839
## 28	-0.59778795	-0.078379833	-0.72941783	-0.72751279
## 29	-1.01677933	0.458767701	-0.96586473	-1.16112725
## 30	-0.16618449	-0.248762126	0.27963905	0.19701867
## 31	-0.92257171	0.375331599	-0.94804641	-1.10475434
## 32	-0.31125732	-0.159397874	-0.55477926	-0.53488624
## 33	-0.28595524	-0.221253433	-0.25659021	-0.19349879
## 34	-0.21754846	-0.199854893	0.02987062	0.01916904
## 35	-0.14260364	-0.242651972	0.50446860	0.32376451
## 36	-0.98019197	0.470389994	-0.90002545	-0.99424507
## 37	-0.85366617	0.143171749	-0.85364638	-0.91232949

## 38	-0.31474688	-0.181576433	0.07986915	0.06980261
## 39	-0.40863799	-0.171176171	-0.56871906	-0.53468167
## 40	-0.07650225	-0.264674527	1.14264714	0.79709472
## 41	0.02987504	-0.260618424	1.65710123	0.96906214
## 42	-0.20258960	-0.237035830	0.13158941	0.11763744
## 43	-0.77674480	0.318936178	-0.93123020	-1.11593080
## 44	-0.92302513	0.348550924	-0.94807059	-1.10508203
## 45	-1.61468750	6.221370896	-1.02991424	-1.43275739
## 46	0.29073602	0.074686024	2.24360250	0.95041052
## 47	-1.21363345	1.564367558	-1.01676536	-1.32940195
## 48	-0.16231503	0.110384923	-0.08936887	-0.12779434
## 49	-0.39210010	0.151127950	-0.06368569	0.02638332
## 50	-0.50111206	0.202505244	-0.56631575	-0.51753170
## 51	-0.40493317	0.143665762	-0.23560105	-0.16213055
## 52	-0.26976335	0.126245323	0.04379506	0.06767230
## 53	-0.94695110	0.885126444	-0.94425538	-1.12422487
## 54	-0.14218456	0.118289123	0.59594687	0.37325116
## 55	-0.53044252	0.288437410	-0.71108402	-0.69672676
## 56	-0.94650649	0.598001209	-0.92626132	-1.04395697
## 57	-0.45146536	0.197513119	-0.59175218	-0.54945542
## 58	-0.07115015	0.089662401	0.67424525	0.44172539
## 59	-0.87957178	0.682711344	-0.97469560	-1.18033181
## 60	0.11814376	0.074556021	0.93854556	0.52073248
## 61	-0.44657989	0.227881884	-0.76469518	-0.78933777
## 62	-0.81865212	0.476188140	-0.88472143	-0.97272727
## 63	-0.72389292	0.399330204	-0.77102726	-0.80444080
## 64	-0.16560561	0.125985316	-0.17498327	-0.19077355
## 65	0.02525633	0.106276820	1.32618072	0.79313603
## 66	-0.21326739	0.122215221	-0.07026710	-0.08305761
## 67	-0.70884118	0.359419198	-0.80133726	-0.83040723
## 68	0.02683934	0.082122211	0.38873829	0.25979077
## 69	-0.61113871	0.298135654	-0.64369009	-0.59993786
## 70	-0.22919999	0.113166993	1.13326427	0.75871582
## 71	-0.32494088	0.210721451	0.07965197	0.11221496
## 72	-0.49023970	0.340464720	-0.42371040	-0.44229050
## 73	-0.79080782	0.680111278	-0.82328897	-0.92923068
## 74	-0.88592888	0.692435589	-0.92414199	-1.06023649
## 75	-0.22126649	0.232457999	-0.48314794	-0.44957191
## 76	-0.90558128	0.613757606	-0.76935833	-0.74683729
## 77	-1.25836253	1.906744184	-1.01752517	-1.33364443
## 78	-0.18012557	0.190830950	0.67972299	0.51065998
## 79	-0.61628919	-0.006072011	-0.64396470	-0.60366017
## 80	-0.50027566	-0.020788382	-0.74044400	-0.78419303
## 81	-0.29101196	-0.163479977	-0.15972912	-0.11558103
## 82	-0.31001372	-0.117978830	-0.48281993	-0.47283888
## 83	-0.21554637	-0.107084556	0.23057482	0.17239831
## 84	-1.01581087	0.515969142	-0.96581310	-1.16042733
## 85	-0.92160324	0.432533040	-0.94799478	-1.10405441
## 86	-0.31377842	-0.124374992	0.07992078	0.07050253
## 87	-0.67636804	0.253180521	-0.63353234	-0.69034507
## 88	-0.38807612	-0.138545349	-0.42914768	-0.34579111
## 89	-0.42047134	-0.128379093	-0.50553877	-0.43192531
## 90	-0.72615605	-0.679176970	-0.14664434	-0.13948079
## 91	-0.68958761	-0.674106843	-0.22824689	-0.18862734

## 92	-0.34076123	-0.720648015	0.98944516	0.60688162
## 93	-0.19267162	-0.550187720	0.67905408	0.50159282
## 94	-0.76689593	-0.447797141	-0.80466599	-0.87118559
## 95	-1.16110820	-0.429284674	-0.75942325	-0.77988184
## 96	-0.59806132	-0.673118818	-0.41751212	-0.39029846
## 97	-0.59230115	-0.704631612	0.93611039	0.63352571
## 98	-0.59751986	-0.641138012	-0.41748325	-0.38990714
## 99	-0.81719942	0.561990302	-0.88464397	-0.97167739
## 100	-0.22414372	-0.614877350	0.23011643	0.16618492
## 101	-0.93020059	-0.075259754	-0.94845316	-1.11026780
## 102	-0.34164605	-0.772909332	0.98939798	0.60624215
## 103	-0.33926010	-0.631985781	0.98952519	0.60796650
## 104	-0.76635447	-0.415816335	-0.80463712	-0.87079427
## 105	-0.33798349	-0.556583882	0.98959326	0.60888913
## 106	-1.14587466	1.260003889	-1.02446782	-1.37541636
## 107	0.05257679	0.060775673	0.74578907	0.58661859
## 108	-0.85830512	0.781357829	-1.00486857	-1.28785305
## 109	-0.60186828	0.339944707	-0.93162225	-1.06475321
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## 111	-0.07110085	0.054353512	1.14293513	0.80099837
## 112	0.03527644	0.058409614	1.65738922	0.97296579
## 113	-0.33983678	-0.666046640	0.98949444	0.60754973
## 114	-0.39574902	-0.591736767	-0.42955678	-0.35133640
## 115	-0.91966807	-0.218263357	-0.77010940	-0.75701796
## 116	-0.92927614	-0.020658378	-0.94840387	-1.10959970
## 117	-0.49875824	-0.509912706	-0.71950410	-0.74617619
## 118	-0.49572650	-0.511394743	-0.77389322	-0.80074076
## 119	0.27814595	-0.668932712	2.24293124	0.94131154
## 120	-0.74680200	-1.898607695	-0.14774511	-0.15440184
## 121	-0.71023357	-1.893537567	-0.22934767	-0.20354838
## 122	-0.36140718	-1.940078740	0.98834438	0.59196058
## 123	-0.21331758	-1.769618445	0.67795331	0.48667177
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## 125	-1.18175416	-1.648715399	-0.76052402	-0.79480288
## 126	-0.61870728	-1.892549543	-0.41861290	-0.40521950
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## 129	-0.83784538	-0.657440423	-0.88574475	-0.98659843
## 130	-0.24478967	-1.834308075	0.22901566	0.15126387
## 131	-0.95084654	-1.294690479	-0.94955393	-1.12518885
## 132	-0.36229201	-1.992340057	0.98829721	0.59132111
## 133	-0.35990606	-1.851416506	0.98842442	0.59304546
## 134	-0.78700042	-1.635247060	-0.80573789	-0.88571531
## 135	-0.35862944	-1.776014606	0.98849248	0.59396808
## 136	-1.16652061	0.040573164	-1.02556860	-1.39033740
## 137	0.03193083	-1.158655051	0.74468830	0.57169755
## 138	-0.87895108	-0.438072896	-1.00596934	-1.30277409
## 139	-0.62251423	-0.879486017	-0.93272303	-1.07967426
## 140	-0.99543652	-0.430012692	-0.90083824	-1.00526247
## 141	-0.09174680	-1.165077213	1.14183435	0.78607732
## 142	0.01463049	-1.161021111	1.65628844	0.95804475
## 143	-0.36048273	-1.885477364	0.98839367	0.59262869
## 144	-0.41639497	-1.811167492	-0.43065755	-0.36625744
## 145	-0.94992210	-1.240089103	-0.94950465	-1.12452074

## 146	-0.51940420	-1.729343430	-0.72060488	-0.76109723
## 147	-0.51637246	-1.730825468	-0.77499399	-0.81566180
## 148	1.77642683	0.673377109	0.92810882	1.69427135
## 149	1.55840291	0.776131698	-0.07715131	0.60644131
## 150	1.75076070	0.658452732	0.58427810	1.31724360
## 151	2.02110033	0.623611855	1.14307032	1.77684931
## 152	0.66672482	2.141374096	-0.83303057	-0.60694502
## 153	2.27625791	0.607699454	2.24737393	2.38800702
## 154	1.49974199	0.947996028	-0.36668785	0.24805118
## 155	0.66761405	1.567123627	-0.79704243	-0.44640922
## 156	1.65769631	0.766147446	-0.12802417	0.54259388
## 157	2.41832673	0.550446011	2.40397069	2.52495548
## 158	0.80148348	1.736543896	-0.89391099	-0.71915891
## 159	2.79691455	0.520233250	2.93257133	2.68296966
## 160	1.66746726	0.826884976	-0.47391016	0.06282917
## 161	0.92332278	1.323497489	-0.71396265	-0.30394983
## 162	1.11284120	1.169781616	-0.48657433	0.03262312
## 163	2.22941581	0.623091842	0.70551367	1.25995761
## 164	2.61113970	0.583674848	3.70784163	3.22777677
## 165	2.13409225	0.615551652	0.91494600	1.47538949
## 166	1.14294468	1.089959605	-0.54719432	-0.01930975
## 167	2.61430571	0.535365631	1.83295678	2.16108625
## 168	1.33834961	0.967392517	-0.23189999	0.44162899
## 169	2.10222704	0.597455196	3.32200875	3.15893635
## 170	1.91074528	0.792564112	1.21478414	1.86593463
## 171	1.58014764	1.052050650	0.20805940	0.75692370
## 172	0.97901139	1.731343765	-0.59109775	-0.21695664
## 173	0.78876927	1.755992386	-0.79280377	-0.47896828
## 174	2.11809405	0.836037207	0.08918432	0.74236089
## 175	0.74946448	1.598636421	-0.48323647	0.14783012
## 176	0.04390196	4.184609577	-0.97957015	-1.02578415
## 177	2.20037589	0.752783109	2.41492619	2.66282466
## 178	1.32804865	0.358977187	-0.23244920	0.43418437
## 179	1.56007572	0.329544445	-0.42540780	0.07311864
## 180	1.97860312	0.044161255	0.73602197	1.41034265
## 181	1.94059959	0.135163548	0.08984033	0.69582696
## 182	2.12953429	0.156952097	1.51662983	1.98630133
## 183	0.52900530	1.403059494	-0.87614600	-0.67934995
## 184	0.71742055	1.236187289	-0.84050936	-0.56660412
## 185	1.93307020	0.122371225	1.21532176	1.78250976
## 186	1.20789095	0.877482251	-0.21158448	0.26081456
## 187	1.78447480	0.094030511	0.19718483	0.94992248
## 188	1.71968436	0.114363024	0.04440267	0.77765409
## 189	1.10831494	-0.987232732	0.76219153	1.36254313
## 190	1.18145180	-0.977092477	0.59898641	1.26425003
## 191	1.87910458	-1.070174822	3.03437051	2.85526796
## 192	2.17528379	-0.729254232	2.41358836	2.64469034
## 193	1.02683517	-0.524473072	-0.55385177	-0.10086646
## 194	0.23841063	-0.487448140	-0.46336630	0.08174103
## 195	1.36450438	-0.975116427	0.22045595	0.86090779
## 196	1.37602474	-1.038142015	2.92770098	2.90855613
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## 1	-0.63743003	-0.5764903	-0.6315741883	

## 2	-0.93040527	-0.6353259	-0.9114074720
## 3	0.29015242	-0.5694748	0.5091233882
## 4	-0.46261576	-0.4639086	-0.4247365007
## 5	0.54873303	-0.5218385	0.8605535562
## 6	0.52587698	-0.5432064	0.8382953528
## 7	-1.02428962	-0.6004322	-1.0079084985
## 8	-0.38420711	-0.6299635	-0.3339212132
## 9	-0.30589725	-0.5375481	-0.2655812575
## 10	-0.61720343	-0.5958734	-0.5989039125
## 11	-0.19347498	-0.4835749	-0.1133135345
## 12	0.41415088	-0.5391298	0.6853711946
## 13	-0.89219111	-0.5873069	-0.8909064952
## 14	-0.51608925	-0.7447570	-0.4611383583
## 15	-1.08155912	-0.5554949	-1.0703001412
## 16	-0.04035022	-0.5299459	0.0795925779
## 17	-0.14621059	-0.4954578	-0.0585819859
## 18	-0.57138783	-0.4812483	-0.5415062269
## 19	-0.82123337	-0.5766867	-0.8310699004
## 20	-0.73630517	-0.5413186	-0.7426127301
## 21	-0.46367413	-0.5610206	-0.4330580795
## 22	-0.43711613	-0.7574511	-0.3889304844
## 23	-0.82640762	-0.6618443	-0.8340895024
## 24	-0.74432525	-0.5506300	-0.7473845092
## 25	-0.06076967	-0.6102666	0.0345005279
## 26	0.33034691	-0.4495690	0.5737822572
## 27	-0.80925734	-0.6090855	-0.8077664502
## 28	-0.25456872	-0.5402803	-0.1875008131
## 29	0.36614329	-0.5857686	0.6006304576
## 30	-0.83823783	-0.5739801	-0.8400226669
## 31	0.24069603	-0.6217592	0.4321184877
## 32	-0.39794238	-0.5137542	-0.3491404112
## 33	-0.67822661	-0.5565332	-0.6763228721
## 34	-0.68283169	-0.5722326	-0.6436828933
## 35	-0.86244860	-0.5369945	-0.8532725593
## 36	0.07905258	-0.6838805	0.1945646815
## 37	-0.04453665	-0.6174147	0.0713063456
## 38	-0.80293535	-0.6273461	-0.7990358618
## 39	-0.42063381	-0.5493877	-0.3805432621
## 40	-1.06902803	-0.6560406	-1.0693508349
## 41	-1.05312898	-0.6103355	-1.0362261039
## 42	-0.83263083	-0.6020725	-0.8403710825
## 43	0.35552667	-0.4370815	0.6071948097
## 44	0.23585106	-0.6243868	0.4269175010
## 45	1.46997938	-0.4299640	2.0154705294
## 46	-0.88358304	-0.3956188	-0.8530200842
## 47	0.89528054	-0.5042973	1.3166750424
## 48	-0.57103504	-0.4497655	-0.5432533545
## 49	-0.76510221	-0.6655102	-0.7772624106
## 50	-0.35854285	-0.5627426	-0.3046290539
## 51	-0.61647433	-0.6032205	-0.6035090580
## 52	-0.73876529	-0.5815874	-0.7434156009
## 53	0.42369031	-0.4598499	0.6640976441
## 54	-0.76763288	-0.5625793	-0.7386993663
## 55	-0.21353695	-0.4997488	-0.1509070745

## 56	0.16764979	-0.6223664	0.3219282622
## 57	-0.34585654	-0.4773936	-0.3036393516
## 58	-0.85865258	-0.5049785	-0.8553277064
## 59	0.46721043	-0.5057872	0.7343867074
## 60	-0.84989399	-0.4372703	-0.8381997968
## 61	-0.11072937	-0.3731463	-0.0174285473
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## 64	-0.56406392	-0.3856619	-0.5447884030
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## 66	-0.62313970	-0.4159203	-0.6064327195
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## 72	-0.35290763	-0.4578600	-0.2991654931
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## 74	0.28690676	-0.5041111	0.4888243915
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## 80	-0.14565083	-0.3872589	-0.0476750623
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## 92	-1.05620531	-0.5442370	-1.0610898501
## 93	-1.00354559	-0.6628954	-1.0014602849
## 94	-0.15191638	-0.5007921	-0.0384243752
## 95	-0.26165744	-0.6609642	-0.1781895320
## 96	-0.60756992	-0.5553470	-0.5855681785
## 97	-1.08931108	-0.6573136	-1.0994408153
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## 99	0.12380040	-0.4996952	0.2692720587
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## 101	0.15917813	-0.6659694	0.3446106237
## 102	-1.06566007	-0.5493647	-1.0712393485
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## 109	0.20554879	-0.4572809	0.3863801016

## 110	0.13676894	-0.6525788	0.2565220670
## 111	-1.01131167	-0.6247389	-1.0073934493
## 112	-0.99541262	-0.5790337	-0.9742687184
## 113	-1.04632720	-0.5388798	-1.0504858966
## 114	-0.65591620	-0.6364330	-0.6521307096
## 115	-0.35117190	-0.7607497	-0.3066084586
## 116	0.16905624	-0.6606122	0.3552145772
## 117	-0.21785039	-0.5343108	-0.1354858964
## 118	-0.26511478	-0.5224278	-0.1902174450
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## 122	-1.27681636	-0.6638826	-1.2979114786
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## 124	-0.37252743	-0.6204378	-0.2752460037
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## 131	-0.06143292	-0.7856150	0.1077889952
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## 153	0.54288614	1.6479335	0.2341325766
## 154	1.65107801	1.7735945	1.4097171602
## 155	2.41345147	1.5283593	2.3553878336
## 156	1.38643882	1.8183047	1.1042526060
## 157	0.36084674	1.7631351	0.0008758963
## 158	3.01257276	1.7615177	3.1803047240
## 159	0.37836392	1.8985515	0.0351317157
## 160	1.85669315	2.0267993	1.6766742147
## 161	2.29470722	1.7568645	2.2167487156
## 162	1.92372316	2.1031480	1.7649092069
## 163	0.95002407	2.0017682	0.6219545031

## 164	0.23971293	1.6933478	-0.0785123690
## 165	0.83187250	1.9412515	0.4986658703
## 166	1.94158842	1.7303078	1.7674945518
## 167	0.51077758	1.8740560	0.1587435166
## 168	1.46570828	1.6200451	1.2080400634
## 169	0.16008598	1.5467934	-0.1893388317
## 170	0.56304688	1.5836310	0.1900908230
## 171	1.37233665	1.8573720	1.1132003229
## 172	2.41347970	1.8894594	2.3959050350
## 173	2.65196542	1.7648698	2.6891800922
## 174	1.28412986	1.9657010	0.9919112927
## 175	1.67685516	1.4148618	1.4214824991
## 176	3.94255418	1.6950111	4.4455987543
## 177	0.33918076	1.5927128	-0.0035676652
## 178	1.35563795	1.5603498	1.0898817242
## 179	1.78685023	1.9985742	1.6161811846
## 180	0.67747299	1.5745593	0.3185703436
## 181	1.19574432	1.8633466	0.8975058094
## 182	0.48033420	1.5661459	0.1182162162
## 183	2.83113546	1.6127796	2.9350100317
## 184	2.58024095	1.5407983	2.5979860920
## 185	0.49297818	1.5296246	0.1356773930
## 186	1.79813009	1.7300833	1.6778759961
## 187	0.93029608	1.5891566	0.5832955183
## 188	1.02666877	1.6018201	0.6868708966
## 189	0.57640584	1.6282697	0.2172167460
## 190	0.57498528	1.6080448	0.2032195274
## 191	-0.03425872	1.6846180	-0.4106483911
## 192	0.07106072	1.4473013	-0.2913892606
## 193	1.77431915	1.7715077	1.6346825587
## 194	1.55483702	1.4511636	1.3551522451
## 195	0.86301206	1.6623981	0.5403949521
## 196	-0.10047026	1.4584648	-0.4873503215
## 197	0.87458355	1.6686737	0.5528167262
##	IDM_norm_cooc.W.PET	Inv_var_cooc.W.PET	Correlation_cooc.W.PET
## 1	-0.5654455	-0.575739730	-0.23993509
## 2	-0.6095647	-0.912620036	-0.82690171
## 3	-0.5606607	0.528250992	-0.22515793
## 4	-0.5072004	-0.364617529	0.11732195
## 5	-0.5446135	0.630169735	-0.60050363
## 6	-0.5500768	0.795990978	-0.43643994
## 7	-0.5858670	-1.047597598	-0.88085327
## 8	-0.6027233	-0.222394507	-0.91654875
## 9	-0.5345986	-0.179914344	0.56798260
## 10	-0.5843141	-0.592064450	-0.84143388
## 11	-0.5135475	-0.048088446	0.28334558
## 12	-0.5447464	0.699405389	-0.23324678
## 13	-0.5730610	-0.883262458	-0.58737608
## 14	-0.7152844	-0.548922551	-1.91947684
## 15	-0.5512007	-1.092982674	-0.37235384
## 16	-0.5391782	0.095889863	-0.63659110
## 17	-0.5233968	-0.296537111	0.07618353
## 18	-0.5173086	-0.540106866	0.28689798
## 19	-0.5605114	-0.853030042	-0.61220613

## 20	-0.5404093	-0.670558818	0.03324442
## 21	-0.5575058	-0.384290191	-0.45300964
## 22	-0.7122298	-0.248454614	-1.57357114
## 23	-0.6222914	-0.840580410	-0.79334583
## 24	-0.5463250	-0.727316801	-0.88359719
## 25	-0.5819963	0.041380664	-0.07134312
## 26	-0.5065965	0.407915768	0.19164468
## 27	-0.5904279	-0.853630092	-0.31475189
## 28	-0.5436435	-0.162047440	-0.40338221
## 29	-0.5743388	0.492494753	-0.48616537
## 30	-0.5647926	-0.842453463	-0.58594287
## 31	-0.5972553	0.368407815	-0.04785237
## 32	-0.5318658	-0.307792251	0.59647938
## 33	-0.5510492	-0.629632055	-0.37877266
## 34	-0.5657369	-0.703006371	-0.22644822
## 35	-0.5438044	-0.835578126	-0.44560676
## 36	-0.6484141	-0.077664734	-1.18464057
## 37	-0.5948466	0.067076255	-0.95033330
## 38	-0.6019212	-0.699658430	-0.80113252
## 39	-0.5505129	-0.329747345	-0.19352932
## 40	-0.6186026	-1.084486642	-0.98526522
## 41	-0.5931048	-1.036213475	-0.35612713
## 42	-0.5808514	-0.816584025	-0.55996952
## 43	-0.4993051	0.520282107	0.50875961
## 44	-0.5996570	0.362631635	-0.05205808
## 45	-0.5079139	0.405033286	-0.59575484
## 46	-0.4688406	-0.848369842	0.73722789
## 47	-0.5186214	1.037457755	-0.08460541
## 48	-0.4869024	-0.515173954	0.03564127
## 49	-0.6202045	-0.743591049	-1.31117949
## 50	-0.5505199	-0.238259375	-0.51925984
## 51	-0.5762042	-0.575470549	-1.06405499
## 52	-0.5592733	-0.761514033	-0.83538664
## 53	-0.4923821	0.482692070	-0.10496025
## 54	-0.5556381	-0.765243314	-0.52411887
## 55	-0.5083290	-0.166819799	0.12106626
## 56	-0.5890265	0.377032830	-0.64581917
## 57	-0.4963064	-0.281973285	-0.16368509
## 58	-0.5132980	-0.841141204	-0.52365747
## 59	-0.5125331	0.741851904	0.53199720
## 60	-0.4806930	-0.831422641	0.30218555
## 61	-0.4528354	0.025891528	0.52444325
## 62	-0.5132070	0.255004007	-0.49564660
## 63	-0.4423075	0.050600121	-0.60261873
## 64	-0.4582498	-0.516564724	0.41988430
## 65	-0.5378491	-0.913298597	0.00883086
## 66	-0.4691088	-0.578364247	-0.26810113
## 67	-0.5221703	0.014355991	-0.59584467
## 68	-0.4834328	-0.765058252	0.38733697
## 69	-0.5584059	-0.208531673	-0.71595660
## 70	-0.5855359	-0.987076685	-1.80520799
## 71	-0.5654455	-0.741846979	-1.15280781
## 72	-0.4900760	-0.247697542	-0.45878331
## 73	-0.4841626	0.288578758	-0.53353477

## 74	-0.5110945	0.472894995	-0.40866589
## 75	-0.4594063	-0.307876370	0.63021900
## 76	-0.6365128	-0.099053425	-1.96917776
## 77	-0.5433194	1.099907799	-0.19829444
## 78	-0.5645850	-0.877744243	-1.04663598
## 79	-0.5856875	-0.274144597	-0.76373025
## 80	-0.4757869	-0.022376031	0.29103020
## 81	-0.5791865	-0.652652658	-0.48329486
## 82	-0.5007857	-0.372592023	0.32463100
## 83	-0.5852981	-0.841292619	-0.30576881
## 84	-0.5692089	0.504832226	-0.47718229
## 85	-0.5921255	0.380745288	-0.03886929
## 86	-0.5967913	-0.687320957	-0.79214945
## 87	-0.5449796	-0.043091770	-0.58680035
## 88	-0.5713331	-0.556403546	-0.40894764
## 89	-0.5674158	-0.466014733	-0.38254963
## 90	-0.5785849	-0.753590010	-0.34119889
## 91	-0.5820126	-0.740080477	-0.36506121
## 92	-0.5631463	-1.085019396	-0.40290447
## 93	-0.6310402	-1.037570597	-1.16300769
## 94	-0.5461641	-0.035638814	0.20380450
## 95	-0.6390008	-0.193255639	-0.71442948
## 96	-0.5707922	-0.549584288	-0.46592486
## 97	-0.6297601	-1.137442440	-1.24715464
## 98	-0.5679241	-0.542686519	-0.46090250
## 99	-0.5055122	0.273510217	-0.48217198
## 100	-0.6308373	-0.950815731	-0.38551405
## 101	-0.6376647	0.271222176	-0.11861453
## 102	-0.5678332	-1.096291360	-0.41111174
## 103	-0.5551950	-1.065896313	-0.38898070
## 104	-0.5432961	-0.028741046	0.20882686
## 105	-0.5484329	-1.049633281	-0.37713937
## 106	-0.5194188	0.956305223	0.73053549
## 107	-0.5212912	-1.004337931	0.16304582
## 108	-0.4660262	0.932477076	1.07494674
## 109	-0.4849578	0.514769499	0.89898455
## 110	-0.6198034	-0.008855282	-1.13453949
## 111	-0.5899919	-1.015677190	-0.93516414
## 112	-0.5644941	-0.967404024	-0.30602605
## 113	-0.5582496	-1.073242717	-0.39432972
## 114	-0.6119757	-0.654149979	-0.48011812
## 115	-0.7111292	-0.278507576	-2.09984073
## 116	-0.6327680	0.282998855	-0.11003977
## 117	-0.5589095	-0.381946071	0.01399613
## 118	-0.5490602	-0.133497406	0.22115818
## 119	-0.5355290	-1.008756990	0.62044786
## 120	-0.6879445	-1.016602501	-0.53270180
## 121	-0.6913722	-1.003092968	-0.55656412
## 122	-0.6725059	-1.348031887	-0.59440738
## 123	-0.7403998	-1.300583087	-1.35451059
## 124	-0.6555237	-0.298651305	0.01230159
## 125	-0.7483604	-0.456268129	-0.90593239
## 126	-0.6801517	-0.812596778	-0.65742776
## 127	-0.7391196	-1.400454930	-1.43865754

## 128	-0.6772837	-0.805699010	-0.65240540
## 129	-0.6148718	0.010497726	-0.67367489
## 130	-0.7401969	-1.213828221	-0.57701696
## 131	-0.7470243	0.008209686	-0.31011744
## 132	-0.6771927	-1.359303850	-0.60261465
## 133	-0.6645546	-1.328908804	-0.58048361
## 134	-0.6526556	-0.291753536	0.01732395
## 135	-0.6577925	-1.312645771	-0.56864228
## 136	-0.6287784	0.693292732	0.53903259
## 137	-0.6306508	-1.267350422	-0.02845708
## 138	-0.5753857	0.669464586	0.88344383
## 139	-0.5943173	0.251757009	0.70748165
## 140	-0.7291630	-0.271867773	-1.32604240
## 141	-0.6993514	-1.278689681	-1.12666705
## 142	-0.6738536	-1.230416514	-0.49752896
## 143	-0.6676092	-1.336255208	-0.58583262
## 144	-0.7213353	-0.917162469	-0.67162103
## 145	-0.7421276	0.019986365	-0.30154268
## 146	-0.6682691	-0.644958561	-0.17750678
## 147	-0.6584197	-0.396509897	0.02965527
## 148	1.5527722	0.346385426	-0.63560296
## 149	1.6921415	1.357048774	0.94823633
## 150	1.6407728	0.682626426	-0.14135397
## 151	1.6746346	0.310539459	0.31598274
## 152	1.8084170	2.798951664	1.77683552
## 153	1.6819051	0.303080896	0.93851827
## 154	1.7765232	1.499927927	2.22888854
## 155	1.6151281	2.587633185	0.69511766
## 156	1.8005683	1.269620955	1.65938584
## 157	1.7665853	0.151285116	0.93944108
## 158	1.7681149	3.317271333	3.05075042
## 159	1.8317953	0.170722244	2.59112711
## 160	1.8875103	1.885350580	3.03564251
## 161	1.7667671	2.343575539	0.99546282
## 162	1.9085661	1.934767767	0.78151855
## 163	1.8766817	0.800438076	2.82652461
## 164	1.7174831	0.006970331	2.00441773
## 165	1.8549636	0.676839030	1.45055376
## 166	1.7488406	1.862279506	0.79506667
## 167	1.8263156	0.303451020	2.76142995
## 168	1.6763695	1.416504178	0.55484281
## 169	1.6221094	-0.140585845	-1.62365997
## 170	1.6622903	0.349873566	-0.31885961
## 171	1.8130293	1.338172441	1.06918940
## 172	1.8248560	2.410725040	0.91968647
## 173	1.7709923	2.779357514	1.16942423
## 174	1.8743685	1.217814785	3.24719402
## 175	1.5201555	1.635460674	-1.95159951
## 176	1.7065424	4.033383124	1.59016714
## 177	1.6640111	0.078079038	-0.10651596
## 178	1.6218063	1.285278330	0.45929551
## 179	1.8416073	1.788815462	2.56881641
## 180	1.6348082	0.528262208	1.02016629
## 181	1.7916097	1.088383478	2.63601800

## 182	1.6225851	0.150982287	1.37521839
## 183	1.6547634	2.843231976	1.03239144
## 184	1.6089303	2.595058101	1.90901744
## 185	1.5995986	0.458925611	0.40245712
## 186	1.7032220	1.747383985	0.81315532
## 187	1.6505149	0.720760433	1.16886074
## 188	1.6583496	0.901538059	1.22165675
## 189	1.6360114	0.326387504	1.30435824
## 190	1.6291560	0.353406570	1.25663359
## 191	1.6668885	-0.336471267	1.18094707
## 192	1.5311008	-0.241573669	-0.33925936
## 193	1.7008529	1.762289896	2.39436502
## 194	1.5151795	1.447056247	0.55789705
## 195	1.6515968	0.734398949	1.05490630
## 196	1.5336611	-0.441317355	-0.50755326
## 197	1.6573330	0.748194487	1.06495102
##	Autocorrelation_cooc.W.PET	Tendency_cooc.W.PET	Shade_cooc.W.PET
## 1	-0.32079144	-0.228201985	-0.193896097
## 2	0.03559253	0.309889358	-0.077090633
## 3	-0.85647530	-0.843167429	-0.380757022
## 4	-0.25478504	-0.242406342	-0.122065093
## 5	-0.93362150	-0.871202130	-0.367264490
## 6	-0.90992639	-0.877584099	-0.378104461
## 7	0.80707360	0.759687031	0.410749268
## 8	-0.75475410	-0.675495040	-0.337403232
## 9	-0.47830539	-0.471984378	-0.320846362
## 10	-0.55922910	-0.363828822	-0.106777300
## 11	-0.45285300	-0.562058083	-0.380256110
## 12	-0.87478426	-0.858771830	-0.380460420
## 13	0.66954384	0.239725828	-0.341090435
## 14	-0.80185829	-0.659059545	-0.328318320
## 15	1.94291143	1.376397452	0.581525138
## 16	-0.75061173	-0.774542633	-0.359674463
## 17	-0.55064177	-0.548479885	-0.323501819
## 18	-0.13345202	0.202392375	0.362028265
## 19	-0.07380190	-0.100694933	-0.165946740
## 20	0.03854505	0.034673885	-0.098925693
## 21	-0.57294621	-0.492324141	-0.237452206
## 22	-0.79021368	-0.744305102	-0.365768527
## 23	-0.05472433	-0.185553453	-0.370467519
## 24	-0.32157317	-0.322600019	-0.177822336
## 25	-0.73714807	-0.750283819	-0.373019867
## 26	-0.87252637	-0.754582771	-0.300412440
## 27	-0.20098752	0.228607743	0.122942666
## 28	-0.64567689	-0.655997252	-0.317186372
## 29	-0.88746875	-0.863035052	-0.378421973
## 30	0.43124160	0.099929631	-0.101304422
## 31	-0.87534990	-0.822133837	-0.370221116
## 32	-0.38044915	-0.093886540	0.006002574
## 33	0.05006586	-0.239255709	-0.319935596
## 34	-0.19751430	0.099703434	-0.051087536
## 35	0.05541774	0.373819290	0.591155123
## 36	-0.89114203	-0.848651398	-0.377080384
## 37	-0.85223382	-0.807762060	-0.368477805

## 38	-0.33244848	-0.152472815	-0.038425565
## 39	-0.27068840	-0.462531733	-0.351908473
## 40	0.75327295	0.441131735	-0.239903224
## 41	0.68335122	1.462502105	1.429261134
## 42	0.14694591	-0.001619722	-0.222283705
## 43	-0.83403972	-0.741597584	-0.325568973
## 44	-0.87535773	-0.822143070	-0.370221684
## 45	-0.96994513	-0.917557374	-0.379571495
## 46	2.57578809	5.027979903	8.518946747
## 47	-0.91787987	-0.897833892	-0.382338879
## 48	0.25931961	0.111682130	-0.266496770
## 49	-0.29259153	-0.424618779	-0.369105415
## 50	-0.43854107	-0.554404128	-0.419965554
## 51	-0.37182162	-0.456974995	-0.360841040
## 52	0.10606075	-0.212428560	-0.329745308
## 53	-0.89340687	-0.826217331	-0.360225697
## 54	0.49181107	0.350521994	0.151747000
## 55	-0.67904079	-0.541932800	-0.241881438
## 56	-0.84089516	-0.842489476	-0.384110613
## 57	-0.53839288	-0.491837569	-0.251006796
## 58	1.34068109	0.411898974	-0.500932188
## 59	-0.85362707	-0.813223449	-0.368926912
## 60	1.85652077	1.646641470	1.145878101
## 61	-0.50191064	-0.494014349	-0.308243523
## 62	-0.82691831	-0.801502377	-0.368725547
## 63	-0.80670639	-0.724371101	-0.304217142
## 64	-0.03484026	0.303684740	0.580963273
## 65	0.66380418	1.604461144	1.436988992
## 66	0.64251539	-0.048242854	-0.512315871
## 67	-0.74617268	-0.746293935	-0.357972960
## 68	0.90672617	1.050540646	0.532259825
## 69	-0.73482739	-0.647601601	-0.323113319
## 70	-0.01500170	-0.051500186	-0.104248916
## 71	-0.31282123	-0.306386957	-0.261575167
## 72	-0.63985119	-0.429985329	-0.060173566
## 73	-0.84048868	-0.758084299	-0.335813665
## 74	-0.83903932	-0.828406715	-0.379280184
## 75	-0.11780219	-0.000382965	0.062335455
## 76	-0.85714851	-0.830524414	-0.377223730
## 77	-0.93538053	-0.901447774	-0.380434294
## 78	0.05029688	0.080368952	-0.166456088
## 79	-0.73491633	-0.647706480	-0.323119773
## 80	-0.61660971	-0.518526897	-0.210877848
## 81	-0.16761431	-0.203812548	-0.187022168
## 82	-0.33591859	-0.158217887	0.047315274
## 83	-0.20097079	0.228627464	0.122943879
## 84	-0.88745203	-0.863015331	-0.378420760
## 85	-0.87533317	-0.822114116	-0.370219903
## 86	-0.33243176	-0.152453095	-0.038424352
## 87	-0.80197300	-0.610817370	-0.208739836
## 88	-0.39399541	-0.402094132	-0.329616208
## 89	-0.40705944	-0.460112048	-0.338769054
## 90	0.16646440	-0.091093120	-0.342184577
## 91	-0.13370425	-0.177780628	-0.199476342

## 92	1.54735889	0.897676982	0.156530627
## 93	0.05008022	0.080113479	-0.166471807
## 94	-0.73993413	-0.603886565	-0.242125488
## 95	-0.78645378	-0.713799271	-0.345858076
## 96	-0.39659029	-0.383157066	-0.243111210
## 97	0.16813025	0.194814551	0.116128915
## 98	-0.39658094	-0.383146040	-0.243110531
## 99	-0.82689322	-0.801472796	-0.368723727
## 100	-0.20111927	0.228452398	0.122933107
## 101	-0.87548164	-0.822289182	-0.370230675
## 102	1.54734361	0.897658964	0.156529519
## 103	1.54738481	0.897707549	0.156532508
## 104	-0.73992477	-0.603875539	-0.242124809
## 105	1.54740686	0.897733545	0.156534108
## 106	-0.92659776	-0.877607764	-0.376079385
## 107	1.43316853	1.192895263	0.212384843
## 108	-0.84546861	-0.810743642	-0.370190638
## 109	-0.47924058	-0.677375705	-0.385840682
## 110	-0.89104875	-0.848541410	-0.377073617
## 111	0.75336623	0.441241723	-0.239896456
## 112	0.68344450	1.462612093	1.429267901
## 113	1.54737485	0.897695806	0.156531786
## 114	-0.39412792	-0.402250373	-0.329625822
## 115	-0.85739179	-0.830811260	-0.377241380
## 116	-0.87546568	-0.822270358	-0.370229517
## 117	-0.55075756	-0.548616406	-0.323510220
## 118	-0.45296878	-0.562194604	-0.380264511
## 119	2.57557066	5.027723534	8.518930973
## 120	0.16610786	-0.091513529	-0.342210446
## 121	-0.13406080	-0.178201037	-0.199502210
## 122	1.54700234	0.897256572	0.156504759
## 123	0.04972367	0.079693069	-0.166497676
## 124	-0.74029067	-0.604306974	-0.242151356
## 125	-0.78681032	-0.714219681	-0.345883945
## 126	-0.39694683	-0.383577475	-0.243137078
## 127	0.16777371	0.194394142	0.116103047
## 128	-0.39693748	-0.383566450	-0.243136400
## 129	-0.82724976	-0.801893206	-0.368749595
## 130	-0.20147581	0.228031988	0.122907239
## 131	-0.87583819	-0.822709592	-0.370256543
## 132	1.54698706	0.897238555	0.156503650
## 133	1.54702827	0.897287139	0.156506640
## 134	-0.74028132	-0.604295949	-0.242150678
## 135	1.54705031	0.897313135	0.156508239
## 136	-0.92695430	-0.878028174	-0.376105253
## 137	1.43281199	1.192474854	0.212358974
## 138	-0.84582515	-0.811164052	-0.370216506
## 139	-0.47959712	-0.677796114	-0.385866550
## 140	-0.89140530	-0.848961820	-0.377099485
## 141	0.75300968	0.440821313	-0.239922325
## 142	0.68308796	1.462191684	1.429242033
## 143	1.54701831	0.897275397	0.156505917
## 144	-0.39448446	-0.402670783	-0.329651690
## 145	-0.87582222	-0.822690767	-0.370255385

## 146	-0.55111410	-0.549036816	-0.323536088
## 147	-0.45332532	-0.562615013	-0.380290379
## 148	0.40586337	0.087339297	-0.356151130
## 149	0.11396428	-0.172231401	-0.457871409
## 150	0.24740318	0.022626865	-0.339622380
## 151	1.20316793	0.511719735	-0.277430916
## 152	-0.79576731	-0.715857808	-0.338391694
## 153	1.97466856	1.637620844	0.685553700
## 154	-0.36703516	-0.147288744	-0.101703175
## 155	-0.69074390	-0.748402096	-0.386161525
## 156	-0.08573933	-0.047098282	-0.119953891
## 157	3.67240860	1.760374803	-0.619804676
## 158	-0.71620771	-0.689870044	-0.355794124
## 159	4.70408796	4.229859795	2.673815902
## 160	-0.01277485	-0.051451843	-0.234427346
## 161	-0.66279019	-0.666427900	-0.355391394
## 162	-0.62236636	-0.512165347	-0.226374584
## 163	0.92136590	1.543946335	1.543986246
## 164	2.31865479	4.145499142	3.256037683
## 165	2.27607720	0.840091146	-0.642572042
## 166	-0.50129893	-0.556011016	-0.333886220
## 167	2.80449877	3.037658147	1.446579351
## 168	-0.47860835	-0.358626348	-0.264166939
## 169	0.96104303	0.833576484	0.173561868
## 170	0.36540397	0.323802942	-0.141090635
## 171	-0.28865595	0.076606196	0.261712568
## 172	-0.68993093	-0.579591742	-0.289567630
## 173	-0.68703222	-0.720236575	-0.376500668
## 174	0.75544204	0.935810925	0.506730610
## 175	-0.72325060	-0.724471973	-0.372387760
## 176	-0.87971464	-0.866318692	-0.378808887
## 177	1.09164019	1.097314758	0.049147525
## 178	-0.47878624	-0.358836105	-0.264179846
## 179	-0.24217299	-0.100476939	-0.039695997
## 180	0.65581780	0.528951758	0.008015365
## 181	0.31920924	0.620141081	0.476690248
## 182	0.58910484	1.393831782	0.627947459
## 183	-0.78385763	-0.789453807	-0.374781819
## 184	-0.75961992	-0.707651377	-0.358380106
## 185	0.32618291	0.631670665	0.305210996
## 186	-0.61289958	-0.285057886	-0.035419971
## 187	0.20305560	0.132388592	-0.277172716
## 188	0.17692754	0.016352759	-0.295478408
## 189	1.32397523	0.754390615	-0.302309454
## 190	0.72363793	0.581015599	-0.016892983
## 191	4.08576420	2.731930819	0.695120955
## 192	1.09120686	1.096803812	0.049116085
## 193	-0.48882183	-0.271196275	-0.102191275
## 194	-0.58186113	-0.491021687	-0.309656452
## 195	0.19786585	0.170262723	-0.104162720
## 196	1.32730693	1.326205957	0.614317531
## 197	0.19788455	0.170284774	-0.104161363
##	Prominence_cooc.W.PET	IC1_d.W.PET	IC2_d.W.PET
## 1	-0.243614197	0.50271802	-0.426789234
			Coarseness_vdif.W.PET
			-0.0550313004

## 2	-0.060256385	0.46141786	-0.329526434	-0.0353358511
## 3	-0.338924299	0.24952395	-0.574743019	0.0153602863
## 4	-0.209949839	0.17383066	-0.189025164	-0.3110467938
## 5	-0.338720446	0.71872775	-1.035066423	0.0257529944
## 6	-0.339649290	0.44377187	-0.786735792	0.0007597987
## 7	0.298459933	0.53876695	-0.334866367	-0.1506188673
## 8	-0.326913565	1.03905231	-1.093619280	-0.0017243120
## 9	-0.300477465	-1.10119922	0.311579828	0.6101020211
## 10	-0.241877702	0.19765039	-0.267910701	0.2179420509
## 11	-0.313604233	-0.13322392	-0.100932720	-0.3382959676
## 12	-0.339340855	0.21799296	-0.585093936	0.0126987390
## 13	-0.077562265	0.86491043	-0.674593548	-0.2512253518
## 14	-0.325065005	0.70462988	-0.816516608	0.8492863969
## 15	0.771597533	0.80310212	-0.537791123	-0.3236701320
## 16	-0.334380378	0.67574816	-0.769301514	0.2650134144
## 17	-0.309711632	0.01468551	-0.181565340	-0.2841778410
## 18	0.016714696	0.07155009	-0.080738929	-0.3124916337
## 19	-0.185470792	0.82748956	-0.684301188	-0.1838248372
## 20	-0.126874337	0.20214468	-0.158454871	-0.1423553969
## 21	-0.288353464	0.67080444	-0.631157709	-0.1356128107
## 22	-0.334117327	1.02320403	-1.125611362	0.9040889213
## 23	-0.242520841	1.02467059	-0.929243649	-0.2116823647
## 24	-0.243605901	1.13653108	-1.099993573	-0.2935819745
## 25	-0.334397307	-0.08863584	-0.275238945	1.2500900585
## 26	-0.325296214	-0.12307629	-0.335082011	-0.2398947651
## 27	-0.073241386	-0.27100937	0.048187004	0.4396616075
## 28	-0.318584421	0.67146675	-0.686070201	-0.1951047278
## 29	-0.339386510	0.44909405	-0.740968072	0.4790778542
## 30	-0.103547941	0.78406053	-0.601007740	-0.2203767522
## 31	-0.338140482	-0.07886667	-0.390031052	0.2411862299
## 32	-0.184269949	-0.49939023	0.152266351	-0.2013910488
## 33	-0.240621504	0.72721960	-0.596395149	-0.2248887084
## 34	-0.124140018	0.29274009	-0.239105765	-0.1476531433
## 35	0.225607308	0.58657199	-0.417874727	-0.2197683986
## 36	-0.338988224	1.05438020	-1.265078271	0.4441482156
## 37	-0.337161979	1.12307187	-1.275169684	-0.1610622716
## 38	-0.195349116	0.48980285	-0.428956640	0.3913481886
## 39	-0.294306686	0.46274250	-0.428518042	-0.2190333046
## 40	0.010817521	0.73090964	-0.515214282	0.0099611476
## 41	0.927999582	0.38816095	-0.200889244	-0.1904660312
## 42	-0.163063634	0.52521312	-0.390886319	-0.0051463013
## 43	-0.328937282	-1.01391539	0.100003723	-0.2599957835
## 44	-0.338140488	-0.10323045	-0.393795687	0.2150777192
## 45	-0.340281561	0.51825880	-0.987182468	1.0108042904
## 46	8.898481128	-0.47088697	0.548071964	0.0507715382
## 47	-0.340157410	0.12884046	-0.488130844	0.4103338920
## 48	-0.123426017	0.58645372	-0.137756692	0.0116087721
## 49	-0.290894867	1.26341196	-0.823037101	0.5256169083
## 50	-0.316266342	1.12292994	-0.724502366	0.1932530321
## 51	-0.296372378	1.50747553	-1.157650958	0.1368282312
## 52	-0.234917056	1.08640793	-0.588734301	0.3706641646
## 53	-0.337018295	0.47281917	-0.483474394	0.2557360213
## 54	-0.021744534	0.46515522	-0.053308269	0.3123636067
## 55	-0.298553714	0.49569273	-0.265626335	0.2294247260

## 56	-0.339008717	0.99219343	-0.817901847	1.1893560860
## 57	-0.288339054	0.89767143	-0.499830451	0.1134319639
## 58	0.047207286	1.11363386	-0.537001646	0.0920635420
## 59	-0.337693845	-0.67090650	0.073866927	0.3543400084
## 60	1.271813166	0.27057615	0.171356337	0.0379200674
## 61	-0.291250545	-0.19086909	0.137796266	0.0820510549
## 62	-0.336416733	1.13229699	-0.881304868	0.1397939553
## 63	-0.316199386	1.27067379	-0.975523066	0.0419757583
## 64	0.207354537	0.34532328	0.006779681	0.0010639755
## 65	0.933108854	-0.09871251	0.278926194	0.4499275753
## 66	-0.173042922	0.92650585	-0.416526037	0.0838000716
## 67	-0.332617983	1.05960777	-0.756509067	0.5375305005
## 68	0.487132288	0.47669845	0.009447820	-0.0116861030
## 69	-0.323528935	1.29666971	-0.963966004	0.3166727783
## 70	-0.150552692	0.82836476	-0.326072474	0.4483813431
## 71	-0.259935537	1.60471776	-1.147504720	0.2001984029
## 72	-0.236327716	1.10970727	-0.622652559	0.2213133441
## 73	-0.329011010	0.80402463	-0.543591583	0.6317999678
## 74	-0.338320537	1.00591284	-0.732802836	0.3324646251
## 75	-0.099712179	-0.01686913	0.217493210	0.1266129596
## 76	-0.338185370	1.48247309	-1.181737308	2.2092609763
## 77	-0.340193896	0.27760143	-0.544106936	1.9106353795
## 78	-0.122823469	1.26804818	-0.651274745	0.3908665753
## 79	-0.323529007	1.01991610	-1.006729326	0.0201003751
## 80	-0.280977340	-0.17875817	-0.053633562	-0.2041286402
## 81	-0.230218140	0.84771386	-0.660635161	-0.1123939798
## 82	-0.154703159	-0.10992458	0.006019445	-0.1477291875
## 83	-0.073241372	-0.21897023	0.056227971	0.4954273585
## 84	-0.339386496	0.50113319	-0.732927106	0.5348436052
## 85	-0.338140469	-0.02682753	-0.381990086	0.2969519809
## 86	-0.195349102	0.54184199	-0.420915674	0.4471139396
## 87	-0.296329967	0.51584607	-0.573562459	0.0024074232
## 88	-0.290454810	0.86900260	-0.727674892	-0.1974620982
## 89	-0.300989191	0.80423752	-0.675796038	-0.1718098527
## 90	-0.194028821	0.18537388	-0.521259626	-0.6995819901
## 91	-0.219807940	0.30946358	-0.650116115	-0.7307094184
## 92	0.427437677	0.29962345	-0.523573232	-0.7483009781
## 93	-0.122823643	0.59390478	-0.755441812	-0.3315533813
## 94	-0.305497967	-0.52588288	-0.264288611	-0.7620396313
## 95	-0.330914817	0.45224005	-0.983786987	-0.5509409155
## 96	-0.269287496	0.33527026	-0.751308024	-0.8052834364
## 97	-0.027910460	0.67137214	-1.017906270	-0.7075919798
## 98	-0.269287489	0.36436487	-0.746812393	-0.7741053120
## 99	-0.336416713	1.21035570	-0.869243418	0.2234425818
## 100	-0.073241492	-0.68093586	-0.015153882	0.0003795777
## 101	-0.338140588	-0.48879317	-0.453371939	-0.1980957999
## 102	0.427437664	0.25207860	-0.530919751	-0.7992505961
## 103	0.427437698	0.38028412	-0.511109734	-0.6618640640
## 104	-0.305497959	-0.49678827	-0.259792979	-0.7308615069
## 105	0.427437715	0.44888116	-0.500510278	-0.5883546649
## 106	-0.339731752	-2.40854067	0.204371814	-0.1072990180
## 107	0.549894926	-0.19403875	0.337650835	0.6876164150
## 108	-0.337348863	-2.56967277	0.551661159	0.0708472085
## 109	-0.328536391	-1.42779213	0.451602295	0.7791736390

## 110	-0.338988149	1.34461668	-1.220231608	0.7551690180
## 111	0.010817597	1.02114612	-0.470367618	0.3209819500
## 112	0.927999657	0.67839742	-0.156042581	0.1205547712
## 113	0.427437690	0.34929717	-0.515897764	-0.6950700339
## 114	-0.290454917	0.45671069	-0.791381277	-0.6392789348
## 115	-0.338185565	0.72554015	-1.298696821	1.3981227794
## 116	-0.338140575	-0.43911944	-0.445696471	-0.1448648557
## 117	-0.309711725	-0.34556726	-0.237230758	-0.6702289266
## 118	-0.313604326	-0.49347669	-0.156598139	-0.7243470532
## 119	8.898480951	-1.14739578	0.443539399	-0.6741832253
## 120	-0.194029108	-0.92400595	-0.692678413	-1.8884064100
## 121	-0.219808227	-0.79991626	-0.821534902	-1.9195338383
## 122	0.427437390	-0.80975638	-0.694992018	-1.9371253980
## 123	-0.122823930	-0.51547505	-0.926860599	-1.5203778012
## 124	-0.305498254	-1.63526271	-0.435707397	-1.9508640512
## 125	-0.330915104	-0.65713978	-1.155205773	-1.7397653354
## 126	-0.269287783	-0.77410957	-0.922726811	-1.9941078563
## 127	-0.027910747	-0.43800770	-1.189325056	-1.8964163997
## 128	-0.269287776	-0.74501496	-0.918231179	-1.9629297318
## 129	-0.336417000	0.10097586	-1.040662205	-0.9653818380
## 130	-0.073241779	-1.79031569	-0.186572669	-1.1884448422
## 131	-0.338140875	-1.59817300	-0.624790726	-1.3869202198
## 132	0.427437377	-0.85730123	-0.702338538	-1.9880750159
## 133	0.427437410	-0.72909572	-0.682528520	-1.8506884838
## 134	-0.305498247	-1.60616810	-0.431211766	-1.9196859267
## 135	0.427437428	-0.66049867	-0.671929064	-1.7771790847
## 136	-0.339732039	-3.51792050	0.032953027	-1.2961234378
## 137	0.549894639	-1.30341858	0.166232048	-0.5012080048
## 138	-0.337349150	-3.67905260	0.380242372	-1.1179772113
## 139	-0.328536678	-2.53717196	0.280183509	-0.4096507809
## 140	-0.338988436	0.23523684	-1.391650394	-0.4336554019
## 141	0.010817309	-0.08823372	-0.641786405	-0.8678424699
## 142	0.927999370	-0.43098241	-0.327461368	-1.0682696487
## 143	0.427437402	-0.76008266	-0.687316550	-1.8838944538
## 144	-0.290455204	-0.65266915	-0.962800064	-1.8281033547
## 145	-0.338140862	-1.54849928	-0.617115257	-1.3336892756
## 146	-0.309712012	-1.45494710	-0.408649545	-1.8590533465
## 147	-0.313604613	-1.60285652	-0.328016925	-1.9131714731
## 148	-0.241378933	1.02393731	0.846885246	1.4873479811
## 149	-0.292121883	0.74297326	1.043954716	0.8226202287
## 150	-0.252333956	1.51206443	0.177657530	0.7097706270
## 151	-0.129423312	0.66992923	1.315490846	1.1774424937
## 152	-0.333625789	-0.55724829	1.526010660	0.9475862071
## 153	0.296921732	-0.57257618	2.386342910	1.0608413779
## 154	-0.256696628	-0.51150115	1.961706777	0.8949636166
## 155	-0.337606633	0.48150024	0.857155753	2.8148263365
## 156	-0.236267307	0.29245624	1.493298546	0.6629780923
## 157	0.434825372	0.72438110	1.418956155	0.6202412485
## 158	-0.334976890	-2.84469962	2.640693301	1.1447941813
## 159	2.884037133	-0.96173433	2.835672120	0.5119542993
## 160	-0.242090290	-1.88462481	2.768551979	0.6002162743
## 161	-0.332422666	0.76170735	0.730349710	0.7157020751
## 162	-0.291987971	1.03846096	0.541913315	0.5200656812
## 163	0.755119875	-0.81224007	2.506518810	0.4382421156

## 164	2.206628509	-1.70031164	3.050811835	1.3359693151
## 165	-0.005675044	0.35012507	1.659907372	0.6037143078
## 166	-0.324825165	0.61632892	0.979941312	1.5111751656
## 167	1.314675376	-0.54948973	2.511855087	0.4127419585
## 168	-0.306647070	1.09045279	0.565027438	1.0694597212
## 169	0.039305417	0.15384290	1.840814500	1.3328768507
## 170	-0.179460274	1.70654889	0.197950006	0.8365109703
## 171	-0.132244631	0.71652792	1.247654328	0.8787408527
## 172	-0.317611219	0.10516265	1.405776280	1.6997141002
## 173	-0.336230273	0.50893906	1.027353775	1.1010434148
## 174	0.140986444	-1.53662489	2.927945866	0.6893400837
## 175	-0.335959938	1.46205955	0.129484831	4.8546361172
## 176	-0.339976992	-0.94768376	1.404745574	4.2573849236
## 177	0.094763863	1.03320974	1.190409956	1.2178473151
## 178	-0.306647213	0.53694558	0.479500794	0.4763149147
## 179	-0.221543880	-1.86040295	2.385692322	0.0278568841
## 180	-0.120025479	0.19254109	1.171689124	0.2113262050
## 181	0.031004483	-1.72273578	2.504998336	0.1406557896
## 182	0.193928056	-1.94082708	2.605415388	1.4269688815
## 183	-0.338362191	-0.50062024	1.027105236	1.5058013750
## 184	-0.335870136	-1.55654169	1.728979275	1.0300181264
## 185	-0.050287404	-0.41920264	1.651128099	1.3303420438
## 186	-0.252249133	-0.47119447	1.345834529	0.4409290109
## 187	-0.240498820	0.23511857	1.037609662	0.0411899682
## 188	-0.261567582	0.10558842	1.141367370	0.0924944592
## 189	-0.047646842	-1.13213885	1.450440194	-0.9630498157
## 190	-0.099205079	-0.88395947	1.192727216	-1.0253046723
## 191	1.195286154	-0.90363972	1.445812983	-1.0604877916
## 192	0.094763514	-0.31507706	0.982075823	-0.2269925981
## 193	-0.270585133	-2.55465238	1.964382225	-1.0879650980
## 194	-0.321418833	-0.59840652	0.525385473	-0.6657676665
## 195	-0.198164192	-0.83234610	0.990343399	-1.1744527083
## 196	0.284589881	-0.16014235	0.457146907	-0.9790697951
## 197	-0.198164177	-0.77415688	0.999334661	-1.1120964594
##	Contrast_vdif.W.PET	Busyness_vdif.W.PET	Complexity_vdif.W.PET	
## 1	-0.1846449527	-0.697965290	-0.3949658760	
## 2	0.9808822120	-0.840945407	0.0832097626	
## 3	-0.8804405022	0.335971157	-0.6695412656	
## 4	-0.8000339927	-0.296749467	-0.2371192997	
## 5	-1.0090603155	0.716697580	-0.6679243445	
## 6	-1.0067613473	0.972922402	-0.6736718506	
## 7	0.9471130081	-0.895563388	0.8012393951	
## 8	-0.3141445708	-0.211923380	-0.5955518061	
## 9	-0.5747542324	-0.882782293	-0.6071886212	
## 10	0.1715382882	-0.827269568	-0.3575693548	
## 11	-0.8441389906	1.381017867	-0.5621124757	
## 12	-0.9817481139	0.338528051	-0.6708185603	
## 13	0.4065838820	-0.733818243	0.0229439062	
## 14	1.2106068993	-0.791214031	-0.5706381240	
## 15	0.4189202756	-0.635495748	1.5393447198	
## 16	-0.8698369416	-0.755157047	-0.6248697323	
## 17	-0.7797258025	0.136404140	-0.5367403951	
## 18	-0.4642507478	-0.179773365	0.0004418834	
## 19	-0.1141878881	-0.753237326	-0.1242555105	

## 20	-0.3189375945	-0.800256976	-0.2277338823
## 21	-0.4745559398	-0.483491497	-0.4860576013
## 22	0.1781559505	-0.652781915	-0.6348950599
## 23	0.6956035885	-0.516465351	-0.3906450604
## 24	-0.3663858506	-0.349985539	-0.0997397431
## 25	-0.7025822213	-0.819753234	-0.6619866940
## 26	-1.0803665830	0.961837221	-0.6180746105
## 27	0.7916170704	-0.956323028	-0.1643539329
## 28	-0.7349169608	-0.290489152	-0.5749894532
## 29	-0.9142862109	-0.133166118	-0.6736121119
## 30	0.1675103123	-0.748545105	-0.0647509382
## 31	-0.7112310851	1.637315523	-0.6718979901
## 32	-0.5000282018	-0.148451531	-0.4605018725
## 33	-0.2726942884	-0.663391989	-0.3525808115
## 34	0.1642588597	-0.685084350	-0.1610675850
## 35	-0.0727376057	-0.783146863	0.5432691964
## 36	-0.5414517075	0.112361327	-0.6674435495
## 37	-0.6733574005	1.761506977	-0.6498707424
## 38	0.3600804598	-0.918868217	-0.2948282989
## 39	-0.4038693609	-0.456997423	-0.5326164871
## 40	1.2419509021	-0.921209505	0.1677405471
## 41	1.0566984355	-0.767620761	0.8580383109
## 42	0.3989487063	-0.879711222	-0.2092973659
## 43	-1.0924543361	1.095814427	-0.6314140115
## 44	-0.7151710806	1.636818710	-0.6718983310
## 45	-1.1602987630	0.712453454	-0.6808972635
## 46	0.4040860014	-0.904697496	5.9579331364
## 47	-0.9919423740	1.153442222	-0.6794515122
## 48	-0.3986479106	-0.357894016	0.1383254241
## 49	0.6785162490	-0.827220369	-0.4723502063
## 50	-0.0271139882	-0.539075609	-0.5602520333
## 51	0.1639413649	-0.389248167	-0.4565055673
## 52	0.5242558632	-0.896182715	-0.2971578919
## 53	-0.9163671405	0.399876149	-0.6531589260
## 54	0.3903763473	-0.885309282	-0.0109501031
## 55	-0.6482753129	-0.342373702	-0.5621706137
## 56	-0.5480502436	-0.391177052	-0.6722261758
## 57	-0.6261233578	-0.422932993	-0.4414026068
## 58	0.3868150504	-0.878988674	0.5453154177
## 59	-0.8795147946	1.183752102	-0.6725971245
## 60	-0.0087375434	-0.838928253	1.9361580759
## 61	-0.9212404942	-0.623939801	-0.3590753227
## 62	-0.8685516615	0.586858385	-0.6398347118
## 63	-0.9072554229	-0.356755689	0.0620101807
## 64	-0.7477697616	-0.319303290	0.7836207317
## 65	1.4521898254	-0.967934926	0.9273689487
## 66	-0.3510466449	-0.896950603	0.6181882035
## 67	-0.6896070129	-0.675053086	-0.6183000731
## 68	-0.2159009751	0.043634364	0.8959052490
## 69	-0.3163096557	-0.282965584	-0.5821720783
## 70	1.1698298588	-0.939079306	0.3862427680
## 71	0.4217203501	-0.419313982	-0.2759803503
## 72	-0.6404373995	-0.517817356	-0.2916101163
## 73	-0.7751928951	-0.693928571	-0.5887397075

## 74	-0.8315195294	0.191203481	-0.6561478965
## 75	-0.7142185963	-0.472194568	-0.1592530396
## 76	0.0006610672	-0.761757413	-0.6509574351
## 77	-0.9036749998	-0.010061862	-0.6809543448
## 78	1.1133578655	-0.879657682	0.0732530449
## 79	-0.3610649441	-0.288608983	-0.5821759517
## 80	-0.9362583798	-0.596530242	-0.2414921212
## 81	0.1427610203	-0.533673862	-0.3922467454
## 82	-0.7250325450	-0.719786436	-0.2331769216
## 83	0.8000325947	-0.955261876	-0.1643532046
## 84	-0.9058706866	-0.132104965	-0.6736113836
## 85	-0.7028155608	1.638376675	-0.6718972617
## 86	0.3684959841	-0.917807065	-0.2948275706
## 87	-0.7959218615	-0.351006174	-0.5385735510
## 88	-0.2032203100	-0.002334263	-0.4926206652
## 89	-0.2543560959	-0.183874235	-0.5234477759
## 90	-0.3020721187	-0.643128325	-0.2070810099
## 91	-0.4567647564	-0.352843897	-0.2575081886
## 92	-0.0209668303	-0.774188328	1.1858208241
## 93	1.0043385734	-0.893404426	0.0732436098
## 94	-1.0666148513	0.735829187	-0.5447282733
## 95	-0.6086802710	0.915358277	-0.6313081960
## 96	-0.6294245384	0.879008511	-0.3569517235
## 97	0.3682779455	-0.595383233	0.3866184285
## 98	-0.6247194953	0.879601792	-0.3569513163
## 99	-0.8559283751	0.588450113	-0.6398336193
## 100	0.7253256903	-0.964682012	-0.1643596701
## 101	-0.7775224652	1.628956538	-0.6719037272
## 102	-0.0286555593	-0.775157835	1.1858201587
## 103	-0.0079227676	-0.772543542	1.1858219530
## 104	-1.0619098081	0.736422468	-0.5447278661
## 105	0.0031704235	-0.771144751	1.1858229130
## 106	-1.1279448973	2.647421870	-0.6786688056
## 107	0.6699247637	-1.004360901	0.4269318332
## 108	-1.0736915422	1.688005312	-0.6697041634
## 109	-0.8574278685	-0.835385934	-0.6580846822
## 110	-0.4945160333	0.118279662	-0.6674394875
## 111	1.2888865763	-0.915291170	0.1677446091
## 112	1.1036341097	-0.761702426	0.8580423730
## 113	-0.0129338298	-0.773175410	1.1858215193
## 114	-0.2698942139	-0.010741482	-0.4926264355
## 115	-0.1217465590	-0.777192353	-0.6509680288
## 116	-0.7694894648	1.629969456	-0.6719030320
## 117	-0.8379841821	0.129058073	-0.5367454370
## 118	-0.9023973702	1.373671800	-0.5621175176
## 119	0.2946841854	-0.918492473	5.9579236683
## 120	-0.4814757959	-0.665750159	-0.2070965364
## 121	-0.6361684336	-0.375465730	-0.2575237150
## 122	-0.2003705075	-0.796810161	1.1858052976
## 123	0.8249348962	-0.916026259	0.0732280834
## 124	-1.2460185285	0.713207354	-0.5447437998
## 125	-0.7880839482	0.892736443	-0.6313237225
## 126	-0.8088282156	0.856386678	-0.3569672500
## 127	0.1888742683	-0.618005067	0.3866029021

## 128	-0.8041231725	0.856979958	-0.3569668428
## 129	-1.0353320523	0.565828279	-0.6398491457
## 130	0.5459220131	-0.987303846	-0.1643751965
## 131	-0.9569261424	1.606334705	-0.6719192537
## 132	-0.2080592365	-0.797779668	1.1858046322
## 133	-0.1873264448	-0.795165375	1.1858064265
## 134	-1.2413134854	0.713800634	-0.5447433926
## 135	-0.1762332537	-0.793766584	1.1858073866
## 136	-1.3073485745	2.624800036	-0.6786843320
## 137	0.4905210865	-1.026982735	0.4269163068
## 138	-1.2530952194	1.665383478	-0.6697196898
## 139	-1.0368315457	-0.858007768	-0.6581002087
## 140	-0.6739197106	0.095657828	-0.6674550139
## 141	1.1094828991	-0.937913004	0.1677290827
## 142	0.9242304325	-0.784324260	0.8580268465
## 143	-0.1923375070	-0.795797243	1.1858059929
## 144	-0.4492978912	-0.033363315	-0.4926419619
## 145	-0.9488931420	1.607347623	-0.6719185584
## 146	-1.0173878593	0.106436240	-0.5367609634
## 147	-1.0818010474	1.351049966	-0.5621330440
## 148	2.6680724274	-0.610499827	-0.2618876713
## 149	1.2568119530	-0.034210307	-0.4376913252
## 150	1.6389226593	0.265444577	-0.2301983933
## 151	2.3595516559	-0.748424519	0.0884969576
## 152	-0.5216943516	1.843693207	-0.6235051108
## 153	2.0917926240	-0.726677654	0.6609125351
## 154	0.0144893037	0.359193506	-0.4415284861
## 155	0.2149394422	0.261586806	-0.6616396103
## 156	0.0587932140	0.198074924	-0.1999924723
## 157	2.0846700302	-0.714036438	1.7734435766
## 158	-0.4479896597	3.411445114	-0.6623815076
## 159	1.2935648428	-0.633915596	4.5551288931
## 160	-0.5314410589	-0.203938692	-0.0353379042
## 161	-0.4260633936	2.217657679	-0.5968566822
## 162	-0.5034709163	0.330429531	0.8068331027
## 163	-0.1844995937	0.405334329	2.2500542047
## 164	4.2154195803	-0.891928942	2.5375506387
## 165	0.6089466396	-0.749960296	1.9191891484
## 166	-0.0681740964	-0.306165263	-0.5537874050
## 167	0.8792379793	1.131209638	2.4746232392
## 168	0.6784206180	0.478009743	-0.4815314154
## 169	3.6506996471	-0.834217702	1.4552982773
## 170	2.1544806296	0.205312946	0.1308520408
## 171	0.0301651304	0.008306199	0.0995925086
## 172	-0.2393458607	-0.343916231	-0.4946666736
## 173	-0.3519991293	1.426347873	-0.6294830516
## 174	-0.1173972631	0.099551774	0.3643066622
## 175	1.3123620639	-0.479573916	-0.6191021289
## 176	-0.4963100701	1.023817186	-0.6790959483
## 177	3.5377556604	-0.715374455	0.8293188310
## 178	0.5889100413	0.466722943	-0.4815391621
## 179	-0.5614768301	-0.149119575	0.1998284988
## 180	1.5965619701	-0.023406814	-0.1016807495
## 181	-0.1390251605	-0.395631961	0.2164588981

## 182	2.9111051188	-0.866582841	0.3541063321	
## 183	-0.5007014437	0.779730979	-0.6644100258	
## 184	-0.0945911922	4.320694260	-0.6609817822	
## 185	2.0480318976	-0.791673220	0.0931576001	
## 186	-0.2808037936	0.341928562	-0.3943343607	
## 187	0.9045993094	1.039272384	-0.3024285891	
## 188	0.8023277377	0.676192439	-0.3640828105	
## 189	0.7068956921	-0.242315741	0.2686507214	
## 190	0.3975104167	0.338253117	0.1677963641	
## 191	1.2691062689	-0.504435745	3.0544543895	
## 192	3.3197170762	-0.742867941	0.8292999610	
## 193	-0.8221897731	2.515599285	-0.4066438054	
## 194	0.0936793874	2.874657464	-0.5798036508	
## 195	0.0521908526	2.801957933	-0.0310907057	
## 196	2.0475958204	-0.146825557	1.4560495984	
## 197	0.0616009389	2.803144494	-0.0310898914	
##	Strength_vdif.W.PET	SRE_align.W.PET	LRE_align.W.PET	GLNU_align.W.PET
## 1	-0.148798290	-0.4965600	-0.73910542	-0.655998114
## 2	0.433919040	-0.4598340	-0.85727668	-0.753329269
## 3	-0.597934049	-0.6654328	-0.06739247	-0.378812616
## 4	-0.482887024	-0.5398142	-0.58157466	0.830702372
## 5	-0.519109610	-0.6972780	0.02047286	-0.321001177
## 6	-0.606720548	-0.7279147	0.21868188	-0.246546042
## 7	0.263580675	-0.4621923	-0.85491740	-0.704039251
## 8	-0.398738688	-0.5138941	-0.65876431	-0.623095489
## 9	-0.021669648	-0.5369702	-0.59557470	-0.751558226
## 10	0.625246096	-0.5030717	-0.73994791	-0.783203389
## 11	-0.633676453	-0.5979456	-0.37649529	3.278164793
## 12	-0.598422268	-0.7023044	0.05393340	-0.309571878
## 13	-0.427385110	-0.4804110	-0.80220229	-0.433089952
## 14	0.558717670	-0.5011147	-0.75338682	-0.836047776
## 15	-0.389435506	-0.4568116	-0.87465924	-0.034015248
## 16	-0.300022438	-0.5822377	-0.45861883	-0.651740474
## 17	-0.565370276	-0.6905880	0.21463291	0.424961751
## 18	-0.400086332	-0.5280227	-0.62905409	0.431355417
## 19	-0.216781096	-0.4854232	-0.78908088	-0.544129313
## 20	-0.134186496	-0.4890909	-0.77490008	-0.552546873
## 21	-0.359037161	-0.5219850	-0.65134383	-0.513596023
## 22	-0.213933611	-0.4996927	-0.76120182	-0.825837585
## 23	-0.501628324	-0.4857048	-0.78933080	-0.535165678
## 24	-0.458596231	-0.4864440	-0.77770889	0.004594703
## 25	-0.309590748	-0.5762470	-0.50317315	-0.782160704
## 26	-0.450757576	-0.6930824	0.05247476	0.436701558
## 27	2.405189275	-0.4749974	-0.82138299	-0.817967871
## 28	-0.530573739	-0.5721405	-0.45627056	-0.215923924
## 29	-0.555403484	-0.6817813	-0.06590397	-0.630463818
## 30	-0.378343767	-0.4864182	-0.77111046	-0.479693541
## 31	-0.552636908	-0.6602798	-0.16060507	-0.598411740
## 32	-0.312657240	-0.5395584	-0.60266982	-0.299205049
## 33	-0.469022779	-0.5002864	-0.73349094	-0.338938955
## 34	0.016561292	-0.5046838	-0.71828690	-0.603997553
## 35	0.195350926	-0.4676105	-0.83939271	-0.527436366
## 36	-0.498514921	-0.6009797	-0.42468204	-0.728048944
## 37	-0.592124172	-0.5891977	-0.39528305	-0.264536665

## 38	0.939039530	-0.4659960	-0.85710535	-0.809144137
## 39	-0.548147661	-0.5467601	-0.56396104	-0.221852343
## 40	0.151344635	-0.4547443	-0.88838422	-0.780251150
## 41	0.295070365	-0.4485329	-0.89968862	-0.661024278
## 42	-0.025115647	-0.4796014	-0.81193646	-0.728771835
## 43	-0.528567625	-0.7199740	0.23905087	0.927154586
## 44	-0.552772634	-0.6626967	-0.16222403	-0.598421671
## 45	-0.537130901	-0.8612465	1.19860330	-0.420331014
## 46	1.935538682	-0.4503022	-0.77030727	-0.327105122
## 47	-0.634447062	-0.8051003	0.85045218	-0.216283479
## 48	-0.499919095	-0.4867913	-0.64994178	0.700862761
## 49	-0.232841208	-0.4364598	-0.82056409	-0.780720630
## 50	-0.518766868	-0.5079455	-0.56727282	-0.497868927
## 51	-0.507653255	-0.4673735	-0.73106565	-0.490485701
## 52	-0.162887077	-0.4553661	-0.76919758	-0.737519660
## 53	-0.461987676	-0.6688705	0.07553625	-0.205371580
## 54	0.318895340	-0.4482513	-0.79256871	-0.734508395
## 55	-0.301731404	-0.5293650	-0.46096868	-0.430417147
## 56	-0.527331462	-0.5737033	-0.40943399	-0.751786897
## 57	-0.388250338	-0.5104564	-0.56597452	-0.179863731
## 58	-0.276658537	-0.4448066	-0.79353694	-0.440216498
## 59	-0.592734677	-0.6692272	0.18906912	-0.249786238
## 60	-0.103671795	-0.4532120	-0.76892094	-0.139123133
## 61	-0.213652934	-0.5613486	-0.35921018	0.344187633
## 62	-0.576124807	-0.5912227	-0.19009523	0.003286421
## 63	0.764024009	-0.5286704	-0.49082192	0.765591040
## 64	-0.253691537	-0.4928313	-0.63747896	1.590078259
## 65	3.401187952	-0.4328532	-0.83973693	-0.798606044
## 66	-0.027801842	-0.4783718	-0.68156016	-0.215795941
## 67	-0.335729790	-0.5432731	-0.46497363	-0.653828254
## 68	-0.524807743	-0.4573536	-0.75601173	1.924556176
## 69	-0.379981180	-0.4974212	-0.59569573	-0.608560658
## 70	0.930216002	-0.4231853	-0.86165100	-0.804560476
## 71	-0.443748827	-0.4337660	-0.80350374	-0.496122644
## 72	-0.075147000	-0.4870072	-0.62832478	-0.354230490
## 73	0.267797678	-0.5687192	-0.32507063	-0.653123528
## 74	-0.574837779	-0.6117927	-0.05007121	-0.307528884
## 75	-0.371788055	-0.5071501	-0.54562124	0.523998415
## 76	-0.161470779	-0.4687720	-0.72239087	-0.844973837
## 77	-0.590858886	-0.7272835	0.20598171	-0.713816812
## 78	0.158504000	-0.4272073	-0.82517418	-0.747746377
## 79	-0.381522925	-0.5248760	-0.61408582	-0.608673465
## 80	0.110797914	-0.5952095	-0.36035131	0.339293202
## 81	-0.417160833	-0.4897761	-0.75946183	-0.547879484
## 82	-0.042446974	-0.5314440	-0.60545819	-0.270191416
## 83	2.405479175	-0.4698350	-0.81792503	-0.817946660
## 84	-0.555113583	-0.6766189	-0.06244601	-0.630442607
## 85	-0.552347007	-0.6551173	-0.15714711	-0.598390528
## 86	0.939329431	-0.4608336	-0.85364738	-0.809122926
## 87	0.045214829	-0.5583192	-0.45133196	-0.544694727
## 88	-0.542428708	-0.5116484	-0.67203818	-0.193072770
## 89	-0.543006137	-0.5192794	-0.66609519	-0.275989952
## 90	-0.450937182	-0.5518192	-0.72721631	-0.229399360
## 91	-0.513338342	-0.5506859	-0.73316558	0.087267201

## 92	-0.358318075	-0.5148867	-0.84964558	-0.043090359
## 93	0.154748466	-0.4940844	-0.86997055	-0.748021164
## 94	-0.491658238	-0.6505556	-0.36934516	0.962100823
## 95	-0.526991882	-0.5969554	-0.53986373	-0.422313961
## 96	-0.601616317	-0.5753130	-0.65043061	1.455767302
## 97	-0.322317000	-0.5005304	-0.89369377	-0.450667056
## 98	-0.601454236	-0.5724268	-0.64849729	1.455779161
## 99	-0.575689956	-0.5834791	-0.18490828	0.003318238
## 100	2.402905646	-0.5156634	-0.84862233	-0.818134961
## 101	-0.554920536	-0.7009457	-0.18784441	-0.598578829
## 102	-0.358582939	-0.5196033	-0.85280490	-0.043109738
## 103	-0.357868728	-0.5068849	-0.84428573	-0.043057481
## 104	-0.491496157	-0.6476693	-0.36741185	0.962112682
## 105	-0.357486586	-0.5000799	-0.83972750	-0.043029520
## 106	-0.621006467	-0.9080041	1.78075965	0.152813187
## 107	2.140292891	-0.4335665	-0.84224396	-0.818448102
## 108	-0.622496162	-0.7867384	1.04610859	1.423965915
## 109	-0.391532543	-0.5971900	-0.26672846	-0.641914059
## 110	-0.496898065	-0.5721874	-0.40539603	-0.727930641
## 111	0.152961491	-0.4259519	-0.86909820	-0.780132847
## 112	0.296687221	-0.4197406	-0.88040261	-0.660905975
## 113	-0.358041351	-0.5099589	-0.84634479	-0.043070111
## 114	-0.544725513	-0.5525490	-0.69943470	-0.193240823
## 115	-0.165687519	-0.5438620	-0.77268855	-0.845282369
## 116	-0.554643812	-0.6960179	-0.18454363	-0.598558582
## 117	-0.567377180	-0.7263261	0.19069436	0.424814909
## 118	-0.635683357	-0.6336838	-0.40043385	3.278017951
## 119	1.931769971	-0.5174139	-0.81526082	-0.327380873
## 120	-0.457117342	-0.6618731	-0.80093384	-0.229851553
## 121	-0.519518502	-0.6607397	-0.80688312	0.086815008
## 122	-0.364498234	-0.6249405	-0.92336311	-0.043542551
## 123	0.148568307	-0.6041382	-0.94368809	-0.748473357
## 124	-0.497838398	-0.7606094	-0.44306270	0.961648630
## 125	-0.533172041	-0.7070092	-0.61358127	-0.422766154
## 126	-0.607796476	-0.6853669	-0.72414815	1.455315109
## 127	-0.328497159	-0.6105842	-0.96741131	-0.451119248
## 128	-0.607634395	-0.6824806	-0.72221483	1.455326968
## 129	-0.581870115	-0.6935329	-0.25862582	0.002866045
## 130	2.396725487	-0.6257172	-0.92233987	-0.818587154
## 131	-0.561100695	-0.8109995	-0.26156195	-0.599031022
## 132	-0.364763098	-0.6296571	-0.92652244	-0.043561931
## 133	-0.364048888	-0.6169387	-0.91800327	-0.043509673
## 134	-0.497676317	-0.7577231	-0.44112939	0.961660490
## 135	-0.363666746	-0.6101337	-0.91344504	-0.043481713
## 136	-0.627186627	-1.0180579	1.70704212	0.152360994
## 137	2.134112732	-0.5436203	-0.91596150	-0.818900295
## 138	-0.628676322	-0.8967922	0.97239105	1.423513723
## 139	-0.397712702	-0.7072439	-0.34044600	-0.642366251
## 140	-0.503078224	-0.6822412	-0.47911356	-0.728382834
## 141	0.146781331	-0.5360058	-0.94281574	-0.780585040
## 142	0.290507062	-0.5297944	-0.95412015	-0.661358168
## 143	-0.364221510	-0.6200127	-0.92006233	-0.043522304
## 144	-0.550905672	-0.6626028	-0.77315223	-0.193693016
## 145	-0.560823971	-0.8060717	-0.25826116	-0.599010774

## 146	-0.573557340	-0.8363800	0.11697682	0.424362716
## 147	-0.641863516	-0.7437376	-0.47415138	3.277565759
## 148	0.199647389	1.8805346	0.97054418	-0.664631339
## 149	-0.372203931	1.7375631	1.47712670	-0.098927933
## 150	-0.349976705	1.8187073	1.14954105	-0.084161482
## 151	0.339555652	1.8427220	1.07327719	-0.578229399
## 152	-0.258645547	1.4157132	2.76274485	0.486066762
## 153	1.303120485	1.8569516	1.02653493	-0.572206869
## 154	0.061866998	1.6947243	1.68973500	0.035975628
## 155	-0.389333118	1.6060477	1.79280438	-0.606763872
## 156	-0.111170872	1.7325415	1.47972332	0.537082459
## 157	0.112012731	1.8638411	1.02459847	0.016376925
## 158	-0.520139548	1.4149998	2.98981059	0.397237445
## 159	0.457986214	1.8470303	1.07383047	0.618563655
## 160	0.238023937	1.6307570	1.89325199	1.585185188
## 161	-0.486919809	1.5710088	2.23148189	0.903382762
## 162	2.193377824	1.6961135	1.63002851	2.427992002
## 163	0.157946731	1.7677916	1.33671444	4.076966439
## 164	7.467705709	1.8877479	0.93219849	-0.700402166
## 165	0.609726122	1.7967106	1.24855204	0.465218040
## 166	-0.006129776	1.6669081	1.68172509	-0.410846587
## 167	-0.384285681	1.8387470	1.09964890	4.745922274
## 168	-0.094632555	1.7586118	1.42028089	-0.320311395
## 169	2.525761809	1.9070836	0.88837035	-0.712311030
## 170	-0.222167849	1.8859223	1.00466487	-0.095435367
## 171	0.515035804	1.7794399	1.35502280	0.188348942
## 172	1.200925161	1.6160159	1.96153109	-0.409437135
## 173	-0.484345753	1.5298688	2.51152994	0.281752154
## 174	-0.078246304	1.7391541	1.52042986	1.944806751
## 175	0.342388247	1.8159102	1.16689061	-0.793137753
## 176	-0.516387968	1.2988872	3.02363578	-0.530823704
## 177	0.982337805	1.8990396	0.96132399	-0.598682833
## 178	-0.097716046	1.7037022	1.38350071	-0.320537010
## 179	0.886925634	1.5630351	1.89096973	1.575396326
## 180	-0.168991862	1.7739020	1.09274868	-0.198949046
## 181	0.580435857	1.6905662	1.40075596	0.356427089
## 182	5.476288156	1.8137842	0.97582229	-0.739083398
## 183	-0.444897362	1.4002165	2.48678034	-0.364075292
## 184	-0.439364208	1.4432196	2.29737813	-0.299971135
## 185	2.543988667	1.8317871	0.90437758	-0.721435930
## 186	0.755759463	1.6368158	1.70900844	-0.192579532
## 187	-0.419527610	1.7301574	1.26759600	0.510664382
## 188	-0.420682470	1.7148953	1.27948197	0.344830017
## 189	-0.236544560	1.6498158	1.15723974	0.438011201
## 190	-0.361346880	1.6520825	1.14534120	1.071344323
## 191	-0.051306344	1.7236809	0.91238120	0.810629204
## 192	0.974826737	1.7652854	0.87173124	-0.599232407
## 193	-0.317986672	1.4523431	1.87298202	2.821011567
## 194	-0.388653959	1.5595435	1.53194489	0.052181999
## 195	-0.537902828	1.6028282	1.31081113	3.808344525
## 196	0.020695805	1.7523934	0.82428481	-0.004524190
## 197	-0.537578666	1.6086007	1.31467777	3.808368243
##	RLNU_align.W.PET	RP_align.W.PET	LGRE_align.W.PET	HGRE_align.W.PET
## 1	-0.51720756	-0.4802142	-0.40171767	-0.344867700

## 2	-0.57292973	-0.4299235	-0.53960057	0.064692480
## 3	-0.56466449	-0.7036969	0.34623668	-0.872609462
## 4	0.78252948	-0.5386015	-0.75223008	-0.223566826
## 5	-0.61912930	-0.7329976	1.52842941	-0.933828962
## 6	-0.57562845	-0.7771379	0.75431222	-0.913292040
## 7	-0.45436923	-0.4320434	-1.10190622	0.835502631
## 8	-0.58962658	-0.5057247	0.20599143	-0.753544500
## 9	-0.61408832	-0.5308594	-0.49507614	-0.492534669
## 10	-0.64727286	-0.4833786	0.05558259	-0.507116992
## 11	2.04992387	-0.6132322	-0.61905966	-0.472857222
## 12	-0.55959990	-0.7408992	0.27445064	-0.883005026
## 13	-0.06676102	-0.4553817	-0.91888845	0.667194619
## 14	-0.69697818	-0.4781085	0.96014770	-0.774767507
## 15	0.79405492	-0.4242703	-1.21787485	1.829338709
## 16	-0.61644054	-0.5851853	-0.61869340	-0.756342396
## 17	0.13191839	-0.6606035	-0.45665596	-0.561972490
## 18	0.52895067	-0.5218776	-0.59478914	-0.111322587
## 19	-0.35873876	-0.4619294	-0.58434476	-0.081234907
## 20	-0.35535337	-0.4672424	-0.63460720	-0.023282090
## 21	-0.46442198	-0.5136786	-0.28781837	-0.561289570
## 22	-0.68963681	-0.4761147	0.21943300	-0.793455026
## 23	-0.33486212	-0.4619984	-0.63580363	-0.033752270
## 24	0.10514140	-0.4646894	-0.67866160	-0.280008352
## 25	-0.66816311	-0.5721659	-0.34447807	-0.764087965
## 26	-0.39005355	-0.7360788	0.95248075	-0.866828602
## 27	-0.66267069	-0.4478632	0.07112402	-0.247281123
## 28	-0.33429205	-0.5826181	-0.50771195	-0.637140802
## 29	-0.64976407	-0.7057930	0.26675928	-0.893249729
## 30	-0.18761202	-0.4656221	-0.95942070	0.440178057
## 31	-0.64178588	-0.6790071	0.95586251	-0.891369535
## 32	-0.30698048	-0.5353229	-0.18371641	-0.442432426
## 33	-0.13390869	-0.4831740	-0.88779337	0.029821538
## 34	-0.47507819	-0.4885678	-0.29637044	-0.213705338
## 35	-0.31014077	-0.4395881	-0.57953461	0.093073705
## 36	-0.67595790	-0.6019259	1.16999977	-0.896279896
## 37	-0.50226166	-0.6019592	0.52725226	-0.849902494
## 38	-0.65147642	-0.4336803	-0.61299203	-0.334340441
## 39	-0.16562051	-0.5471502	-0.74897041	-0.291429780
## 40	-0.54631288	-0.4196093	-0.88430785	0.779064963
## 41	-0.41165525	-0.4131567	-0.64737119	0.662916026
## 42	-0.53013663	-0.4527455	-0.67369274	0.104848515
## 43	-0.18406484	-0.7765074	0.59399618	-0.838226107
## 44	-0.64178647	-0.6814578	0.94957513	-0.891377371
## 45	-0.68450841	-0.9439392	3.32770736	-0.972686872
## 46	0.34376579	-0.4275371	-0.73611485	2.647426237
## 47	-0.60460116	-0.8858968	0.68781857	-0.928774070
## 48	1.14287650	-0.4760433	-0.72116553	0.223427327
## 49	-0.61603746	-0.4055526	-0.58425320	-0.290188323
## 50	-0.42946014	-0.5050847	-0.39350134	-0.466677199
## 51	-0.37082888	-0.4462477	-0.50361599	-0.355430673
## 52	-0.54655683	-0.4310322	-0.70772396	0.107264078
## 53	-0.56042076	-0.7025382	1.15077747	-0.898275769
## 54	-0.56110512	-0.4199044	-1.06087342	0.386985813
## 55	-0.48478262	-0.5375047	0.17916323	-0.693480451

## 56	-0.66883331	-0.5718209	0.22622703	-0.857670774
## 57	-0.24119572	-0.5078684	-0.30510562	-0.552981850
## 58	-0.02249242	-0.4186862	-0.89575332	1.295159082
## 59	-0.53384001	-0.7205968	0.44728041	-0.871819559
## 60	0.66499232	-0.4298116	-0.91685573	1.858698710
## 61	0.11417060	-0.5772338	-0.39159071	-0.494596995
## 62	-0.39615669	-0.6175862	0.34344704	-0.832408111
## 63	-0.05364978	-0.5325677	0.38961962	-0.789866276
## 64	1.79344138	-0.4830169	-0.60127796	0.005615902
## 65	-0.61255682	-0.4001992	-0.34184103	0.528951568
## 66	0.08079912	-0.4648155	-0.92039010	0.607999242
## 67	-0.60822724	-0.5427153	-0.24817124	-0.755317902
## 68	3.52329882	-0.4352245	-0.77593290	0.845251880
## 69	-0.57725076	-0.4931978	0.15011308	-0.731207022
## 70	-0.62124605	-0.3882410	-0.43787317	0.085685422
## 71	-0.33529205	-0.4049007	-0.43776939	-0.243853741
## 72	-0.40198062	-0.4766595	-0.02889420	-0.593773572
## 73	-0.64117450	-0.5827965	0.82771589	-0.836554065
## 74	-0.52928293	-0.6510031	0.43431497	-0.854708946
## 75	0.60876315	-0.5057675	-0.57181273	-0.127587125
## 76	-0.69715408	-0.4426716	0.35400740	-0.838307601
## 77	-0.68532216	-0.7487436	0.72972428	-0.931294684
## 78	-0.54773417	-0.3960926	-0.56915738	0.111843852
## 79	-0.57725749	-0.5210353	0.07869330	-0.731296041
## 80	-0.02360151	-0.6111884	-0.29457578	-0.613852388
## 81	-0.38181036	-0.4680251	-0.68373424	-0.177745351
## 82	-0.21451301	-0.5252752	-0.55438508	-0.327160691
## 83	-0.66266942	-0.4426288	0.08455338	-0.247264384
## 84	-0.64976281	-0.7005586	0.28018864	-0.893232990
## 85	-0.64178461	-0.6737727	0.96929187	-0.891352796
## 86	-0.65147516	-0.4284459	-0.59956267	-0.334323703
## 87	-0.59403822	-0.5718709	0.67553071	-0.781757548
## 88	-0.15794427	-0.4993435	-0.45287132	-0.418805770
## 89	-0.23233306	-0.5063409	-0.49438025	-0.430426030
## 90	0.01658928	-0.5387776	-0.85813890	0.110793870
## 91	0.26976496	-0.5372239	-0.92991884	-0.087794431
## 92	0.73413326	-0.4889485	-1.13898346	1.588562215
## 93	-0.54775055	-0.4639019	-0.74312864	0.111627011
## 94	0.06259095	-0.6690094	0.05475241	-0.748709562
## 95	-0.53239484	-0.5996822	0.33203818	-0.801163823
## 96	1.22654750	-0.5705932	-0.75373783	-0.350578600
## 97	-0.18016586	-0.4693385	-0.99171221	0.279013723
## 98	1.22654821	-0.5676667	-0.74622960	-0.350569242
## 99	-0.39615479	-0.6097346	0.36359108	-0.832383003
## 100	-0.66268065	-0.4890960	-0.03466272	-0.247412978
## 101	-0.64179583	-0.7202399	0.85007577	-0.891501389
## 102	0.73413210	-0.4937308	-1.15125301	1.588546922
## 103	0.73413522	-0.4808351	-1.11816795	1.588588160
## 104	0.06259166	-0.6660829	0.06226064	-0.748700203
## 105	0.73413688	-0.4739353	-1.10046561	1.588610224
## 106	-0.55316374	-1.0385248	1.13889249	-0.930550417
## 107	-0.59732260	-0.4018599	-0.84192600	1.257562798
## 108	-0.10044151	-0.8932464	0.32905931	-0.860320693
## 109	-0.58937266	-0.6167987	-0.90438474	-0.535880101

## 110	-0.67595085	-0.5727322	1.24489898	-0.896186540
## 111	-0.54630582	-0.3904156	-0.80940864	0.779158319
## 112	-0.41164820	-0.3839631	-0.57247199	0.663009382
## 113	0.73413446	-0.4839520	-1.12616453	1.588578193
## 114	-0.15795429	-0.5408142	-0.55926848	-0.418938386
## 115	-0.69717247	-0.5188083	0.15867124	-0.838551072
## 116	-0.64179463	-0.7152435	0.86289471	-0.891485412
## 117	0.13190964	-0.6968398	-0.54962376	-0.562088366
## 118	2.04991511	-0.6494685	-0.71202746	-0.472973098
## 119	0.34374935	-0.4955843	-0.91069654	2.647208635
## 120	0.01656232	-0.6503655	-1.14442846	0.110437033
## 121	0.26973801	-0.6488118	-1.21620839	-0.088151268
## 122	0.73410630	-0.6005364	-1.42527301	1.588205378
## 123	-0.54777751	-0.5754898	-1.02941819	0.111270174
## 124	0.06256400	-0.7805973	-0.23153714	-0.749066398
## 125	-0.53242179	-0.7112701	0.04574863	-0.801520659
## 126	1.22652055	-0.6821811	-1.04002739	-0.350935437
## 127	-0.18019281	-0.5809264	-1.27800176	0.278656887
## 128	1.22652125	-0.6792546	-1.03251915	-0.350926078
## 129	-0.39618175	-0.7213225	0.07730153	-0.832739839
## 130	-0.66270760	-0.6006839	-0.32095227	-0.247769814
## 131	-0.64182279	-0.8318278	0.56378622	-0.891858226
## 132	0.73410515	-0.6053187	-1.43754257	1.588190085
## 133	0.73410826	-0.5924230	-1.40445751	1.588231323
## 134	0.06256470	-0.7776708	-0.22402891	-0.749057040
## 135	0.73410993	-0.5855231	-1.38675517	1.588253388
## 136	-0.55319070	-1.1501127	0.85260293	-0.930907253
## 137	-0.59734955	-0.5134478	-1.12821556	1.257205962
## 138	-0.10046846	-1.0048343	0.04276976	-0.860677530
## 139	-0.58939961	-0.7283866	-1.19067429	-0.536236938
## 140	-0.67597780	-0.6843201	0.95860942	-0.896543377
## 141	-0.54633278	-0.5020035	-1.09569819	0.778801482
## 142	-0.41167515	-0.4955509	-0.85876154	0.662652545
## 143	0.73410751	-0.5955399	-1.41245408	1.588221356
## 144	-0.15798124	-0.6524021	-0.84555804	-0.419295222
## 145	-0.64182158	-0.8268314	0.57660516	-0.891842248
## 146	0.13188269	-0.8084277	-0.83591331	-0.562445203
## 147	2.04988816	-0.7610564	-0.99831701	-0.473329935
## 148	-0.51510924	1.9228418	0.15054648	0.413841536
## 149	-0.14195460	1.7237775	0.53205020	0.060863783
## 150	-0.02469208	1.8414516	0.31182089	0.283356836
## 151	-0.37614798	1.8718825	-0.09639505	1.208746338
## 152	-0.40387585	1.3288706	3.62060782	-0.802333357
## 153	-0.40524457	1.8941382	-0.80269396	1.768189808
## 154	-0.25259956	1.6589376	1.67737933	-0.392742720
## 155	-0.62070094	1.5903051	1.77150694	-0.721123367
## 156	0.23457424	1.7182100	0.70884163	-0.111745519
## 157	0.67198083	1.8965746	-0.47245377	3.584536346
## 158	-0.35071434	1.2927533	2.21361370	-0.749420937
## 159	2.04695032	1.8743236	-0.51465859	4.711615600
## 160	0.94530689	1.5794794	0.53587146	0.005024192
## 161	-0.07534770	1.4987745	2.00594695	-0.670598040
## 162	0.60966612	1.6688116	2.09829212	-0.585514371
## 163	4.30384844	1.7679130	0.11649695	1.005449985

## 164	-0.50814796	1.9335485	0.63537082	2.052121317
## 165	0.87856393	1.8043159	-0.52172732	2.210216666
## 166	-0.49948880	1.6485164	0.82271040	-0.516417623
## 167	7.76356333	1.8634979	-0.23281293	2.684721941
## 168	-0.43753584	1.7475512	1.61927903	-0.468195862
## 169	-0.52552642	1.9574649	0.44330654	1.165589026
## 170	0.04638157	1.9241456	0.44351409	0.506510699
## 171	-0.08699557	1.7806279	1.26126448	-0.193328962
## 172	-0.56538332	1.5683539	2.97448465	-0.678889949
## 173	-0.34160018	1.4319407	2.18768283	-0.715199711
## 174	1.93449197	1.7224118	0.17542742	0.739043932
## 175	-0.67734247	1.8486037	2.02706767	-0.682397021
## 176	-0.65367865	1.2364597	2.77850144	-0.868371186
## 177	-0.37850267	1.9417617	0.18073812	1.217905886
## 178	-0.43754929	1.6918762	1.47643947	-0.468373900
## 179	0.66976265	1.5115702	0.72990131	-0.233486595
## 180	-0.04665504	1.7978966	-0.04841560	0.638727479
## 181	0.28793966	1.6833965	0.21028272	0.339896800
## 182	-0.60837317	1.8486894	1.48815964	0.499689413
## 183	-0.58255994	1.3328297	1.87943016	-0.792247799
## 184	-0.56660354	1.3864014	3.25763662	-0.788487411
## 185	-0.58598463	1.8770550	0.11992754	0.325570776
## 186	-0.47111076	1.5902052	2.67011430	-0.569296915
## 187	0.40107714	1.7352599	0.41331023	0.156606641
## 188	0.25229956	1.7212650	0.33029237	0.133366122
## 189	0.75014423	1.6563918	-0.39722493	1.215805921
## 190	1.25649559	1.6594991	-0.54078480	0.818629319
## 191	2.18523219	1.7560500	-0.95891405	4.171342612
## 192	-0.37853543	1.8061432	-0.16720440	1.217472204
## 193	0.84214758	1.3959280	1.42855769	-0.503200942
## 194	-0.34782399	1.5345825	1.98312925	-0.608109464
## 195	3.17006068	1.5927605	-0.18842279	0.293060981
## 196	0.35663396	1.7952699	-0.66437154	1.552245628
## 197	3.17006209	1.5986135	-0.17340633	0.293079698
##	LGSRE_align.W.PET	HGSRE_align.W.PET	LGHRE_align.W.PET	HGLRE_align.W.PET
## 1	-0.372319290	-0.33818074	-0.4632261857	-0.372527659
## 2	-0.522989926	0.08716306	-0.5574875680	-0.020568662
## 3	0.328231886	-0.87478027	0.3281299883	-0.854340010
## 4	-0.762731162	-0.23166000	-0.6670153889	-0.187128851
## 5	1.401115838	-0.92610182	1.7315839352	-0.969308137
## 6	0.687612577	-0.91131785	0.9541544509	-0.918485779
## 7	-1.126942145	0.84943066	-0.9339904991	0.775203982
## 8	0.259186300	-0.74418306	-0.0003797882	-0.790990649
## 9	-0.487804692	-0.49935798	-0.4921580629	-0.452283186
## 10	0.093431350	-0.49613439	-0.1058783143	-0.556719141
## 11	-0.626772218	-0.49492396	-0.5545702648	-0.371419803
## 12	0.223173016	-0.88309883	0.3804036405	-0.877951308
## 13	-0.926712705	0.65797033	-0.8190032014	0.704167957
## 14	1.047034670	-0.76227859	0.5317383255	-0.831029993
## 15	-1.256000670	1.84583191	-1.0020564413	1.756864304
## 16	-0.625474940	-0.75618256	-0.5658141073	-0.760706161
## 17	-0.497644689	-0.59287703	-0.2652648901	-0.361943307
## 18	-0.594492061	-0.11385359	-0.5541114008	-0.106466612
## 19	-0.562322310	-0.07664233	-0.6029854402	-0.108930318

## 20	-0.621479597	-0.02285773	-0.6289832674	-0.030690486
## 21	-0.264355344	-0.55706627	-0.3508480490	-0.578318393
## 22	0.293619388	-0.78344438	-0.0623230780	-0.840853406
## 23	-0.618809135	-0.03855023	-0.6370519051	-0.020862216
## 24	-0.668768165	-0.27361364	-0.6593888684	-0.311575303
## 25	-0.350382860	-0.76712485	-0.3307652132	-0.760939768
## 26	0.818775730	-0.86131947	1.2913591977	-0.890664874
## 27	0.133122556	-0.22525524	-0.1286506960	-0.340459767
## 28	-0.501295010	-0.64076298	-0.4961438158	-0.619193014
## 29	0.197296447	-0.89048708	0.4432412127	-0.906682851
## 30	-0.968922564	0.43763577	-0.8447866688	0.453025477
## 31	0.925559704	-0.88947769	0.9562612060	-0.904341373
## 32	-0.159669096	-0.44701278	-0.2527047443	-0.432730681
## 33	-0.894211734	0.02314404	-0.7953566336	0.052972761
## 34	-0.295358924	-0.20461446	-0.3058023420	-0.252692090
## 35	-0.560065874	0.11151580	-0.5965780912	0.015714265
## 36	1.176686631	-0.88987785	0.8982299830	-0.926270424
## 37	0.551833044	-0.84454541	0.3773423143	-0.875723686
## 38	-0.586377169	-0.31523071	-0.6423204676	-0.416515757
## 39	-0.748467997	-0.30849512	-0.6907590886	-0.215031523
## 40	-0.887787444	0.80009354	-0.8019682943	0.683154215
## 41	-0.623894744	0.69298990	-0.6638066903	0.536506766
## 42	-0.658941969	0.10388159	-0.6682914997	0.100154332
## 43	0.467344321	-0.83910293	1.0173336591	-0.826972104
## 44	0.918452273	-0.88948575	0.9528113526	-0.904348378
## 45	2.672987156	-0.96359828	5.6818033851	-1.011345863
## 46	-0.735943738	2.68533959	-0.6812837146	2.494991960
## 47	0.565875395	-0.93045642	1.0050649086	-0.900354729
## 48	-0.714545540	0.19865464	-0.6829952438	0.326847386
## 49	-0.551743969	-0.28030333	-0.6306445560	-0.335239318
## 50	-0.360961201	-0.48069271	-0.4655272044	-0.398590951
## 51	-0.478199310	-0.35337560	-0.5485648404	-0.370628244
## 52	-0.688461959	0.10149292	-0.7042235649	0.116733205
## 53	1.054411217	-0.89440828	1.3816783690	-0.916850210
## 54	-1.082938177	0.40223157	-0.9069108247	0.316815817
## 55	0.203700036	-0.69258776	0.0942868682	-0.700906700
## 56	0.259800437	-0.85722215	0.0526642196	-0.868499631
## 57	-0.276106756	-0.55365276	-0.3808148822	-0.553124209
## 58	-0.896530274	1.28435600	-0.8137748314	1.338689768
## 59	0.410395168	-0.87553535	0.5816640678	-0.844976969
## 60	-0.920647237	1.84141890	-0.8266498182	1.922774791
## 61	-0.399575943	-0.50784845	-0.3435765619	-0.431929811
## 62	0.360077317	-0.83169946	0.2722256166	-0.831248766
## 63	0.434491429	-0.78334372	0.1936828381	-0.819780302
## 64	-0.597631751	0.00542007	-0.5778383536	0.001863664
## 65	-0.301279483	0.55728456	-0.4523206297	0.409872923
## 66	-0.924387264	0.57622602	-0.8283044081	0.739975841
## 67	-0.223008037	-0.75447086	-0.3260660440	-0.761919779
## 68	-0.772895478	0.83678302	-0.7235728882	0.872757006
## 69	0.196102675	-0.72301860	-0.0106087710	-0.765742795
## 70	-0.389701444	0.10922074	-0.5440197423	-0.011081359
## 71	-0.394897459	-0.23357681	-0.5296140924	-0.290679524
## 72	0.018872329	-0.58518202	-0.1938227807	-0.634010900
## 73	0.803056576	-0.83027563	0.7822043800	-0.864289698

## 74	0.472733548	-0.85700809	0.2779630912	-0.830663922
## 75	-0.565731117	-0.13914795	-0.5475667275	-0.080278970
## 76	0.428681277	-0.82641084	0.0392399358	-0.892118751
## 77	0.580607789	-0.92624887	0.9512873883	-0.956311198
## 78	-0.544215613	0.12564140	-0.6005136035	0.047767589
## 79	0.115367780	-0.72311015	-0.0497964259	-0.765822371
## 80	-0.313479422	-0.61812114	-0.2475802048	-0.594105333
## 81	-0.668761264	-0.18009206	-0.6723241439	-0.178363706
## 82	-0.555304585	-0.32564566	-0.5260001198	-0.333918327
## 83	0.148303477	-0.22523803	-0.1212820772	-0.340444804
## 84	0.212477368	-0.89046986	0.4506098316	-0.906667888
## 85	0.940740625	-0.88946047	0.9636298249	-0.904326410
## 86	-0.571196249	-0.31521350	-0.6349518487	-0.416500794
## 87	0.665634744	-0.77157690	0.6593962982	-0.827385118
## 88	-0.430282805	-0.42238843	-0.4944657804	-0.406643924
## 89	-0.470953871	-0.43832881	-0.5330773433	-0.402952249
## 90	-0.867341505	0.09525467	-0.7639529197	0.172224310
## 91	-0.952713481	-0.09087023	-0.7947169035	-0.080709498
## 92	-1.170732200	1.59393667	-0.9506469271	1.559845878
## 93	-0.740877537	0.12541839	-0.6959707117	0.047573749
## 94	0.033011286	-0.74850422	0.0682823423	-0.751248084
## 95	0.361015774	-0.79612606	0.1983585617	-0.825885189
## 96	-0.769741987	-0.35259815	-0.6500876617	-0.345526266
## 97	-1.007378596	0.29730574	-0.8617981303	0.201249094
## 98	-0.761254472	-0.35258852	-0.6459679339	-0.345517901
## 99	0.382848698	-0.83167363	0.2832785450	-0.831226321
## 100	0.013538306	-0.22539085	-0.1866953166	-0.340577635
## 101	0.805975453	-0.88961330	0.8982165855	-0.904459241
## 102	-1.184602041	1.59392094	-0.9573791653	1.559832207
## 103	-1.147201773	1.59396335	-0.9392255678	1.559869071
## 104	0.041498801	-0.74849459	0.0724020701	-0.751239718
## 105	-1.127190560	1.59398605	-0.9295123884	1.559888795
## 106	0.826635306	-0.93139657	3.0317867847	-0.902790494
## 107	-0.844328609	1.26555312	-0.7687190763	1.206735005
## 108	0.232598988	-0.87281024	0.7849810095	-0.750161869
## 109	-0.923655819	-0.56552879	-0.7765867517	-0.409491867
## 110	1.261354764	-0.88978184	0.9393267801	-0.926186971
## 111	-0.803119311	0.80018955	-0.7608714972	0.683237668
## 112	-0.539226610	0.69308591	-0.6227098932	0.536590219
## 113	-1.156241321	1.59395310	-0.9436132454	1.559860161
## 114	-0.550557097	-0.42252482	-0.5528453381	-0.406762472
## 115	0.207867888	-0.82666124	-0.0679399752	-0.892336395
## 116	0.820466332	-0.88959686	0.9052502671	-0.904444958
## 117	-0.602738061	-0.59299621	-0.3162758290	-0.362046892
## 118	-0.731865590	-0.49504314	-0.6055812037	-0.371523388
## 119	-0.933295704	2.68511579	-0.7770757600	2.494797441
## 120	-1.190971127	0.09488768	-0.9210384767	0.171905325
## 121	-1.276343104	-0.09123722	-0.9518024605	-0.081028483
## 122	-1.494361823	1.59356968	-1.1077324841	1.559526893
## 123	-1.064507159	0.12505140	-0.8530562688	0.047254764
## 124	-0.290618336	-0.74887121	-0.0888032148	-0.751567068
## 125	0.037386152	-0.79649305	0.0412730047	-0.826204174
## 126	-1.093371610	-0.35296514	-0.8071732188	-0.345845251
## 127	-1.331008218	0.29693875	-1.0188836873	0.200930109

## 128	-1.084884095	-0.35295551	-0.8030534909	-0.345836886
## 129	0.059219075	-0.83204062	0.1261929879	-0.831545306
## 130	-0.310091317	-0.22575784	-0.3437808736	-0.340896620
## 131	0.482345831	-0.88998029	0.7411310284	-0.904778226
## 132	-1.508231664	1.59355395	-1.1144647223	1.559513222
## 133	-1.470831396	1.59359636	-1.0963111249	1.559550086
## 134	-0.282130822	-0.74886158	-0.0846834869	-0.751558703
## 135	-1.450820183	1.59361905	-1.0865979454	1.559569810
## 136	0.503005683	-0.93176356	2.8747012277	-0.903109479
## 137	-1.167958232	1.26518613	-0.9258046334	1.206416020
## 138	-0.091030635	-0.87317723	0.6278954525	-0.750480854
## 139	-1.247285442	-0.56589578	-0.9336723087	-0.409810852
## 140	0.937725142	-0.89014883	0.7822412231	-0.926505956
## 141	-1.126748933	0.79982256	-0.9179570543	0.682918684
## 142	-0.862856233	0.69271892	-0.7797954503	0.536271235
## 143	-1.479870944	1.59358611	-1.1006988025	1.559541176
## 144	-0.874186720	-0.42289181	-0.7099308952	-0.407081457
## 145	0.496836709	-0.88996385	0.7481647101	-0.904763943
## 146	-0.926367684	-0.59336320	-0.4733613860	-0.362365877
## 147	-1.055495213	-0.49541013	-0.7626667607	-0.371842373
## 148	0.264975751	0.42208022	-0.1997712657	0.375166631
## 149	0.646541286	0.02130147	0.1304634375	0.248463365
## 150	0.412065069	0.27593567	-0.0356118346	0.304388780
## 151	-0.008460228	1.18567272	-0.3469292835	1.279111678
## 152	3.477286123	-0.80612968	3.8248745842	-0.788055152
## 153	-0.797412665	1.78715003	-0.7523038031	1.679276902
## 154	1.775863761	-0.40248864	1.2500915826	-0.356168131
## 155	1.888064564	-0.73175742	1.1668462855	-0.691353995
## 156	0.816250176	-0.12461864	0.2998880818	-0.060603149
## 157	-0.424596860	3.55139889	-0.5660318165	3.723024803
## 158	2.189254026	-0.76838382	2.2248459818	-0.644308669
## 159	-0.472830784	4.66552469	-0.5917817902	4.891194851
## 160	0.569311804	-0.03301002	0.3743647224	0.181785646
## 161	2.088618324	-0.68071203	1.6059690796	-0.616852264
## 162	2.237446548	-0.58400056	1.4488835225	-0.593915336
## 163	0.173200186	0.99352702	-0.0941588609	1.049372597
## 164	0.765904724	2.09725599	0.1568765868	1.865391113
## 165	-0.480310838	2.13513892	-0.5950909699	2.525596950
## 166	0.922447615	-0.52625484	0.4093857583	-0.478194290
## 167	-0.177327267	2.65625293	-0.3856279301	2.791159279
## 168	1.760669039	-0.46335031	1.0403003044	-0.485840323
## 169	0.589060801	1.20112837	-0.0265216384	1.023482550
## 170	0.578668771	0.51553326	0.0022896615	0.464286219
## 171	1.406208347	-0.18767715	0.6738722849	-0.222376533
## 172	2.974576842	-0.67786438	2.6259266062	-0.682934128
## 173	2.313930785	-0.73132930	1.6174440288	-0.615682576
## 174	0.237001455	0.70439097	-0.0336156087	0.885087327
## 175	2.225826243	-0.67013479	1.1399977178	-0.738592234
## 176	2.529679267	-0.86981086	2.9640926228	-0.866977128
## 177	0.280032464	1.23396969	-0.1395093608	1.141180445
## 178	1.599199249	-0.46353341	0.9619249944	-0.485999475
## 179	0.741504844	-0.25355540	0.5663574367	-0.142565398
## 180	0.030941161	0.62250277	-0.2831304415	0.688917857
## 181	0.257854519	0.33139557	0.0095176067	0.377808615

## 182	1.665070643	0.53221082	0.8189536919	0.364755660
## 183	1.793418425	-0.79825284	1.9627375095	-0.767690507
## 184	3.249944938	-0.79623406	2.9887774961	-0.763007551
## 185	0.226071192	0.35225989	-0.2083858511	0.212643681
## 186	2.699733177	-0.56046692	2.3803104427	-0.609124969
## 187	0.507898080	0.13791003	0.0725862856	0.232357420
## 188	0.426555948	0.10602927	-0.0046368403	0.239740769
## 189	-0.366219320	1.17319623	-0.4663879930	1.390093888
## 190	-0.536963273	0.80094643	-0.5279159607	0.884226272
## 191	-0.973000711	4.17056022	-0.8397760079	4.165337024
## 192	-0.113291384	1.23352367	-0.3304235772	1.140792766
## 193	1.434486262	-0.51432155	1.1980825308	-0.456850899
## 194	2.090495238	-0.60956524	1.4582349697	-0.606125110
## 195	-0.171020285	0.27749059	-0.2386574772	0.354592735
## 196	-0.646293502	1.57729837	-0.6620784143	1.448143456
## 197	-0.154045255	0.27750984	-0.2304180215	0.354609466
##	GLNU_norm_align.W.PET	RLNU_norm_align.W.PET	GLVAR_align.W.PET	
## 1	-0.513889982	-0.4173834	-0.266960648	
## 2	-0.610619909	-0.3241975	0.375725617	
## 3	0.420705057	-0.7968581	-0.897603089	
## 4	-0.574807111	-0.5214981	-0.271500685	
## 5	1.519357226	-0.8584130	-0.931858055	
## 6	0.867148402	-0.9133916	-0.928731433	
## 7	-0.768674295	-0.3309509	0.907942409	
## 8	0.008713174	-0.4567462	-0.717066366	
## 9	-0.425874752	-0.5091941	-0.533778456	
## 10	-0.277478352	-0.4347437	-0.338654221	
## 11	-0.430741262	-0.6551774	-0.594619092	
## 12	0.515066045	-0.8676921	-0.911580943	
## 13	-0.789255130	-0.3767128	0.399029465	
## 14	0.533888934	-0.4264404	-0.667578794	
## 15	-0.863903536	-0.3168151	1.428378669	
## 16	0.074400341	-0.6152506	-0.817826098	
## 17	-0.380532598	-0.6027719	-0.595905710	
## 18	-0.614757514	-0.4941473	0.059529795	
## 19	-0.634169959	-0.3905168	-0.067908406	
## 20	-0.654911582	-0.3988201	-0.003350593	
## 21	-0.357432754	-0.4779400	-0.520482410	
## 22	0.281655787	-0.4249255	-0.768564995	
## 23	-0.656294357	-0.3909385	-0.117121044	
## 24	-0.569383203	-0.3923037	-0.299102913	
## 25	0.039241414	-0.6010049	-0.822769598	
## 26	0.690389038	-0.8507386	-0.828860797	
## 27	-0.352405456	-0.3633157	0.079690661	
## 28	-0.264561734	-0.5961208	-0.687844769	
## 29	0.676764954	-0.8202357	-0.920393302	
## 30	-0.748329281	-0.3913528	0.232543227	
## 31	0.719041420	-0.7784320	-0.888740480	
## 32	-0.408359603	-0.5229432	-0.277338663	
## 33	-0.658899119	-0.4266376	-0.190513757	
## 34	-0.516344675	-0.4365432	0.021236117	
## 35	-0.668299845	-0.3451692	0.344167885	
## 36	0.913841173	-0.6572189	-0.892917072	
## 37	0.326258317	-0.6330702	-0.846411873	

## 38	-0.411103715	-0.3405496	-0.181724257
## 39	-0.541095274	-0.5391480	-0.444541187
## 40	-0.795825991	-0.3116539	0.695018834
## 41	-0.738971433	-0.2954515	1.262055756
## 42	-0.680187421	-0.3757345	0.088483624
## 43	0.342026238	-0.9023754	-0.813223662
## 44	0.708000659	-0.7810026	-0.888767923
## 45	4.494488519	-1.1615330	-0.977846769
## 46	-0.749862125	-0.3474777	4.276687633
## 47	1.351280402	-1.0798824	-0.955717289
## 48	-0.581377972	-0.4374965	0.130230895
## 49	-0.380489722	-0.3089285	-0.338001107
## 50	-0.300342374	-0.4841419	-0.539279579
## 51	-0.390812297	-0.3906066	-0.396675781
## 52	-0.521597076	-0.3618282	-0.060406190
## 53	0.987021050	-0.8262853	-0.888884408
## 54	-0.453658880	-0.3411111	0.303019002
## 55	0.014608726	-0.5353894	-0.631371333
## 56	0.478374274	-0.6346699	-0.891198961
## 57	-0.239821854	-0.4941748	-0.537649819
## 58	-0.677250364	-0.3337711	0.707198780
## 59	0.573592796	-0.8293651	-0.886902607
## 60	-0.744406059	-0.3553967	1.640570292
## 61	-0.291252505	-0.6101743	-0.528659001
## 62	0.349572544	-0.6693532	-0.844313719
## 63	0.281516438	-0.5349452	-0.741469555
## 64	-0.511756864	-0.4532671	0.180608896
## 65	-0.504199838	-0.3030261	1.268263547
## 66	-0.580338211	-0.4177153	0.111899003
## 67	0.119838967	-0.5657251	-0.785354066
## 68	-0.678000707	-0.3659013	0.910551027
## 69	0.082075278	-0.4612335	-0.693506500
## 70	-0.483511811	-0.2758525	0.230504888
## 71	-0.408241692	-0.3174540	-0.217870944
## 72	-0.069987084	-0.4497531	-0.473471331
## 73	0.608751724	-0.6344104	-0.799597130
## 74	0.503371414	-0.7230266	-0.871957911
## 75	-0.444440381	-0.4972146	-0.101249844
## 76	0.456432102	-0.4022143	-0.847115397
## 77	1.492870120	-0.9343883	-0.958530636
## 78	-0.504671482	-0.3010869	0.193472676
## 79	-0.043339189	-0.4904337	-0.693818230
## 80	-0.267573825	-0.6534254	-0.578538154
## 81	-0.583789788	-0.4087606	-0.187741014
## 82	-0.496835758	-0.5090544	-0.245974817
## 83	-0.328823249	-0.3578251	0.079749277
## 84	0.700347161	-0.8147450	-0.920334687
## 85	0.742623628	-0.7729414	-0.888681864
## 86	-0.387521507	-0.3350589	-0.181665641
## 87	0.351019634	-0.5670803	-0.682515470
## 88	-0.474850709	-0.4610513	-0.414461987
## 89	-0.469341048	-0.4812643	-0.467729269
## 90	-0.878031422	-0.4975665	-0.007663653
## 91	-0.828133615	-0.4952380	-0.174874250

## 92	-1.046118966	-0.4056809	1.114701756
## 93	-0.810168261	-0.3722155	0.192713334
## 94	-0.191124596	-0.7209976	-0.695013700
## 95	-0.005843479	-0.6019758	-0.767837200
## 96	-0.736398828	-0.5498048	-0.388748201
## 97	-0.895053488	-0.3682048	0.368519998
## 98	-0.723214230	-0.5467351	-0.388715430
## 99	0.384945856	-0.6611173	-0.844225795
## 100	-0.538168936	-0.4065669	0.079228928
## 101	0.533277941	-0.8216832	-0.889202213
## 102	-1.067664528	-0.4106973	1.114648202
## 103	-1.009566544	-0.3971704	1.114792610
## 104	-0.177939998	-0.7179278	-0.694980928
## 105	-0.978480907	-0.3899327	1.114869877
## 106	1.158099246	-1.2242959	-0.942168076
## 107	-0.685257595	-0.3012417	1.090898501
## 108	0.466636766	-1.0446151	-0.884722896
## 109	-0.079312775	-0.6849067	-0.758149626
## 110	1.045365575	-0.6265962	-0.892590155
## 111	-0.664301588	-0.2810312	0.695345750
## 112	-0.607447030	-0.2648288	1.262382672
## 113	-1.023608677	-0.4004398	1.114757707
## 114	-0.661686107	-0.5045521	-0.414926384
## 115	0.113418175	-0.4820779	-0.847967991
## 116	0.555788229	-0.8164421	-0.889146261
## 117	-0.543785789	-0.6407820	-0.596311491
## 118	-0.593994453	-0.6931875	-0.595024873
## 119	-1.056430822	-0.4188559	4.275925627
## 120	-1.380761209	-0.6146167	-0.008913236
## 121	-1.330863401	-0.6122882	-0.176123833
## 122	-1.548848752	-0.5227310	1.113452173
## 123	-1.312898047	-0.4892657	0.191463751
## 124	-0.693854382	-0.8380477	-0.696263283
## 125	-0.508573266	-0.7190259	-0.769086783
## 126	-1.239128614	-0.6668550	-0.389997785
## 127	-1.397783275	-0.4852550	0.367270415
## 128	-1.225944017	-0.6637852	-0.389965013
## 129	-0.117783931	-0.7781675	-0.845475379
## 130	-1.040898722	-0.5236170	0.077979345
## 131	0.030548154	-0.9387334	-0.890451796
## 132	-1.570394314	-0.5277475	1.113398619
## 133	-1.512296330	-0.5142206	1.113543027
## 134	-0.680669784	-0.8349780	-0.696230512
## 135	-1.481210693	-0.5069829	1.113620294
## 136	0.655369460	-1.3413460	-0.943417660
## 137	-1.187987382	-0.4182918	1.089648917
## 138	-0.036093020	-1.1616653	-0.885972480
## 139	-0.582042561	-0.8019569	-0.759399209
## 140	0.542635789	-0.7436464	-0.893839739
## 141	-1.167031375	-0.3980813	0.694096167
## 142	-1.110176816	-0.3818790	1.261133089
## 143	-1.526338463	-0.5174900	1.113508124
## 144	-1.164415893	-0.6216023	-0.416175967
## 145	0.053058443	-0.9334923	-0.890395844

## 146	-1.046515575	-0.7578322	-0.597561074
## 147	-1.096724239	-0.8102377	-0.596274457
## 148	0.472832455	2.0495252	0.319959834
## 149	0.633127151	1.6990984	-0.082597110
## 150	0.452187304	1.8861691	0.202610486
## 151	0.190617747	1.9437258	0.875149668
## 152	3.207853999	1.0148116	-0.781806768
## 153	0.326494139	1.9851601	1.602000054
## 154	1.263029350	1.5966034	-0.266780618
## 155	2.190560446	1.3980424	-0.786435874
## 156	0.754168190	1.6790327	-0.079337590
## 157	-0.120688830	1.9998400	2.410359608
## 158	2.380997491	1.0086521	-0.777843164
## 159	-0.255000220	1.9565889	4.277102633
## 160	0.651306889	1.4470338	-0.061355954
## 161	1.932956987	1.3286758	-0.692665389
## 162	1.796844774	1.5974919	-0.486977061
## 163	0.210298171	1.7608480	1.357179840
## 164	0.225412222	2.0613301	3.532489142
## 165	0.073135477	1.8319516	1.219760054
## 166	1.473489833	1.5359320	-0.574746082
## 167	-0.122189516	1.9355797	2.817064103
## 168	1.397962454	1.7449152	-0.391050951
## 169	0.266788277	2.1156773	1.456971824
## 170	0.417328514	2.0324743	0.560220161
## 171	1.093837731	1.7678760	0.049019388
## 172	2.451315346	1.3985615	-0.603232211
## 173	2.240554726	1.2213291	-0.747953773
## 174	0.344931137	1.6729531	0.793462360
## 175	2.146676102	1.8629537	-0.698268744
## 176	4.219552138	0.7986057	-0.921099224
## 177	0.224468934	2.0652084	1.382907400
## 178	1.147133520	1.6865149	-0.391674411
## 179	0.698664249	1.3605314	-0.161114260
## 180	0.066232322	1.8498611	0.620480021
## 181	0.240140383	1.6492735	0.504012415
## 182	0.576165401	1.9517322	1.155460603
## 183	2.634506221	1.0378922	-0.844707324
## 184	2.719059154	1.1214995	-0.781401679
## 185	0.458768884	1.9972644	0.632630766
## 186	1.935851167	1.5332216	-0.369068891
## 187	0.284110480	1.7452796	0.167038075
## 188	0.295129803	1.7048536	0.060503511
## 189	-0.522250946	1.6722493	0.980634743
## 190	-0.422455332	1.6769063	0.646213549
## 191	-0.858426033	1.8560205	3.225365560
## 192	-0.386524623	1.9229513	1.381388717
## 193	0.851562707	1.2253871	-0.394065351
## 194	1.222124940	1.4634308	-0.539712351
## 195	-0.238985758	1.5677726	0.218465646
## 196	-0.556295078	1.9309726	1.733002044
## 197	-0.212616562	1.5739122	0.218531189
##	RLVAR_align.W.PET Entropy_align.W.PET SZSE.W.PET LZSE.W.PET LGLZE.W.PET		
## 1	-0.562890151	-0.449817448 -0.3984842	-0.46022593 -0.468008033

## 2	-0.761396423	-0.357605759	-0.2078345	-0.54971957	-0.531459190
## 3	0.649311197	-0.912370274	-0.7071376	0.03171704	0.660878569
## 4	-0.277815357	-0.317661248	-0.5128944	-0.28978468	-0.761045667
## 5	0.726311419	-1.155244707	-0.8303329	0.08014995	1.498201629
## 6	1.102107301	-0.992728835	-0.8940003	0.87001336	0.873415157
## 7	-0.762644462	-0.168579640	-0.2671341	-0.54287019	-1.122178496
## 8	-0.398905394	-0.804468777	-0.3452200	-0.47093781	0.143276805
## 9	-0.324280227	-0.545687902	-0.5876300	-0.30824954	-0.431625370
## 10	-0.589802410	-0.604785920	-0.3263047	-0.45177751	-0.138822548
## 11	0.064790251	-0.436778713	-0.5772070	-0.32590546	-0.592966632
## 12	0.795989814	-0.912398702	-0.8088589	0.03026782	0.461139182
## 13	-0.684381073	-0.156904917	-0.3826064	-0.48514903	-0.895161895
## 14	-0.629263133	-1.054629374	-0.1634050	-0.54272527	0.879318045
## 15	-0.802672476	-0.013166627	-0.2473800	-0.55037470	-1.252381208
## 16	-0.125448708	-0.794923637	-0.6620877	-0.25422726	-0.596599681
## 17	0.586183116	-0.495083712	-2.0251254	1.69228051	-0.368943872
## 18	-0.364603231	-0.263186558	-0.4348457	-0.43836622	-0.580554261
## 19	-0.664541035	-0.338385597	-0.3633064	-0.49823468	-0.580821684
## 20	-0.638649899	-0.309878589	-0.4098949	-0.49699735	-0.588185619
## 21	-0.412845611	-0.552041363	-0.4322126	-0.42575510	-0.248472773
## 22	-0.643384883	-0.994282524	-0.3161149	-0.55040427	0.172562958
## 23	-0.667362359	-0.355514406	-0.3759754	-0.47096102	-0.611458000
## 24	-0.634277981	-0.406292100	-0.3552236	-0.50480310	-0.683773273
## 25	-0.238823594	-0.855652783	-0.6192044	-0.39674092	-0.464185832
## 26	0.836683448	-0.851325980	-0.7534506	0.71106242	0.773959644
## 27	-0.719227834	-0.557250388	-0.2853124	-0.52796261	-0.172759263
## 28	-0.053062448	-0.588822133	-0.5461836	-0.24032764	-0.422363380
## 29	0.536193482	-0.996213608	-0.7474425	-0.18270565	0.319117649
## 30	-0.617410545	-0.190935118	-0.3937442	-0.45691700	-0.962089559
## 31	0.365726486	-1.008226515	-0.9234255	0.58893991	0.989196558
## 32	-0.338084294	-0.444235930	-0.5077697	-0.39128945	-0.118596187
## 33	-0.561309302	-0.306665345	-0.3279823	-0.52287656	-0.891704955
## 34	-0.537528486	-0.389547057	-0.3795143	-0.48023124	-0.278848187
## 35	-0.739756184	-0.282026385	-0.2538100	-0.54811071	-0.572355443
## 36	-0.113807908	-1.115244321	-0.4854371	-0.36819186	0.940721127
## 37	0.038407464	-0.892054688	-0.6613581	-0.18763246	0.583606175
## 38	-0.789133144	-0.557779230	-0.2965072	-0.53852267	-0.580169432
## 39	-0.254299278	-0.392300076	-0.4621019	-0.38788279	-0.767763871
## 40	-0.835953515	-0.178461984	-0.3368121	-0.53425616	-0.907815601
## 41	-0.842791256	-0.187067559	-0.2282562	-0.56065659	-0.650299657
## 42	-0.708456879	-0.310906867	-0.3581272	-0.49854786	-0.655700310
## 43	1.234180080	-0.713031973	-0.9021774	1.24314979	0.334419500
## 44	0.357935697	-1.008731342	-0.9259816	0.58880335	0.982478354
## 45	2.938668511	-1.454684202	-0.9941110	4.62650599	2.388696341
## 46	-0.552270474	0.172465393	-0.2645085	-0.52177234	-0.777978150
## 47	2.340479648	-1.033028686	-0.8903993	3.50992659	0.988074683
## 48	-0.347206324	-0.183581806	-0.3385592	-0.48179051	-0.724506463
## 49	-0.654632362	-0.513735332	-0.3477166	-0.49772607	-0.536272816
## 50	-0.207546981	-0.523857837	-0.5194361	-0.35404230	-0.368911259
## 51	-0.508294119	-0.456606628	-0.2927102	-0.52043940	-0.485768878
## 52	-0.569364826	-0.332606560	-0.2428236	-0.53539141	-0.676696329
## 53	0.871643667	-0.947924267	-0.8707966	0.38194840	1.076454943
## 54	-0.616502880	-0.319476172	-0.2898340	-0.52580085	-1.080936549
## 55	0.030503217	-0.643099303	-0.5210194	-0.29925193	0.091774921

## 56	-0.043940417	-0.981878008	-0.6669493	-0.08094246	0.316671700
## 57	-0.200709240	-0.505872293	-0.4619208	-0.34795081	-0.318916079
## 58	-0.599537114	-0.084635832	-0.2716954	-0.52144046	-0.886369527
## 59	1.217842115	-0.845882677	-0.9520144	0.82641140	0.403577869
## 60	-0.560885725	0.080370353	-0.3077194	-0.48880642	-0.913046668
## 61	0.182877430	-0.418429499	-0.5277199	-0.14544299	-0.345756284
## 62	0.524227436	-0.808135876	-0.7874247	0.25192348	0.328020900
## 63	-0.061866795	-0.786523914	-0.5460545	-0.25722740	0.383990716
## 64	-0.336367295	-0.211961382	-0.3712950	-0.46324370	-0.588257367
## 65	-0.690780109	-0.282726281	-0.2276779	-0.55389300	-0.396488509
## 66	-0.405175844	-0.188497247	-0.3615469	-0.42962251	-0.891594072
## 67	-0.070020650	-0.753422006	-0.5538197	-0.15887723	-0.152063280
## 68	-0.539434582	-0.042149544	-0.2841485	-0.51769530	-0.788916430
## 69	-0.236267005	-0.740663622	-0.4778109	-0.35746221	0.257368872
## 70	-0.720415362	-0.366164772	-0.2339541	-0.53290639	-0.404550355
## 71	-0.608681836	-0.409010811	-0.2497227	-0.52074198	-0.451786505
## 72	-0.307299333	-0.578498188	-0.3481111	-0.46454269	-0.012911659
## 73	0.214902866	-0.885669369	-0.3848623	-0.35337311	0.903223112
## 74	0.814733090	-0.857734824	-0.6947888	1.24106692	0.865444627
## 75	-0.149365673	-0.246839985	-0.4078649	-0.42238915	-0.601745956
## 76	-0.519223915	-1.041802372	-0.3967768	-0.41681185	0.075703411
## 77	0.888564050	-1.170042982	-0.8128966	1.32241245	0.715002510
## 78	-0.645926344	-0.313099186	-0.2693477	-0.53894245	-0.522934245
## 79	-0.324764315	-0.746398057	-0.5068465	-0.35901353	0.181055290
## 80	0.100196739	-0.499504619	-0.6053467	-0.22440361	-0.265503094
## 81	-0.611087147	-0.367463108	-0.3762782	-0.48563577	-0.665366698
## 82	-0.328742912	-0.367808644	-0.4997316	-0.34801300	-0.574110003
## 83	-0.702587314	-0.556172118	-0.2798527	-0.52767091	-0.158409700
## 84	0.552834002	-0.995135338	-0.7419828	-0.18241395	0.333467211
## 85	0.382367005	-1.007148245	-0.9179658	0.58923161	1.003546121
## 86	-0.772492624	-0.556700960	-0.2910475	-0.53823097	-0.565819869
## 87	0.008802466	-0.820011059	-0.4175931	0.08595676	0.437103665
## 88	-0.444144915	-0.460163939	-0.4876681	-0.31976028	-0.397747357
## 89	-0.459484449	-0.472934576	-0.4182631	-0.42057518	-0.512524290
## 90	-0.637174944	-0.258103986	-0.4185659	-0.48616415	-0.875946527
## 91	-0.649912505	-0.307439739	-0.3969009	-0.49019491	-0.937349609
## 92	-0.846966514	-0.005523653	-0.3167477	-0.54508300	-1.163903110
## 93	-0.861496713	-0.327067683	-0.3400755	-0.54272129	-0.708826304
## 94	-0.010961933	-0.663978531	-0.6765584	-0.28170738	0.047049944
## 95	-0.273602280	-0.840273712	-0.5690423	-0.33895147	0.179776874
## 96	-0.499429260	-0.394032170	-0.4630673	-0.43620220	-0.775871374
## 97	-0.921236179	-0.253143944	-0.2874218	-0.55582803	-1.011439009
## 98	-0.490125697	-0.393429319	-0.4600148	-0.43603911	-0.767848664
## 99	0.549188215	-0.806518471	-0.7792352	0.25236103	0.349545244
## 100	-0.850309745	-0.565744214	-0.3283198	-0.53026041	-0.285794680
## 101	0.234644574	-1.016720342	-0.9664329	0.58664211	0.876161141
## 102	-0.862169898	-0.006508800	-0.3217359	-0.54534951	-1.177013393
## 103	-0.821173708	-0.003852335	-0.3082852	-0.54463086	-1.141661289
## 104	-0.001658369	-0.663375680	-0.6735059	-0.28154429	0.055072654
## 105	-0.799238478	-0.002430979	-0.3010884	-0.54424635	-1.122745956
## 106	4.554084778	-0.908611033	-1.0191065	6.23486912	1.362356930
## 107	-0.692867738	-0.120125618	-0.1930536	-0.53962994	-0.795856401
## 108	3.047875703	-0.682205214	-0.9055003	1.37050553	0.435492600
## 109	0.284724974	-0.597955570	-0.7339967	-0.04747097	-0.872822236

## 110	-0.020999192	-1.109230515	-0.4549870	-0.36656497	1.020752551
## 111	-0.743144799	-0.172448179	-0.3063619	-0.53262927	-0.827784177
## 112	-0.749982539	-0.181053753	-0.1978060	-0.55902970	-0.570268234
## 113	-0.831082381	-0.004494395	-0.3115362	-0.54480456	-1.150205801
## 114	-0.575983215	-0.468706778	-0.5309237	-0.32207134	-0.511435027
## 115	-0.761267837	-1.057486299	-0.4761904	-0.42105476	-0.133017497
## 116	0.250528706	-1.015691084	-0.9612214	0.58692056	0.889858451
## 117	0.470985337	-0.502548281	-2.0629214	1.69026116	-0.468281980
## 118	-0.050407528	-0.444243282	-0.6150029	-0.32792482	-0.692304740
## 119	-0.768597230	0.158447883	-0.3354844	-0.52556444	-0.964522462
## 120	-0.991920568	-0.281090741	-0.5349565	-0.49238266	-1.181853109
## 121	-1.004658129	-0.330426494	-0.5132914	-0.49641342	-1.243256191
## 122	-1.201712138	-0.028510409	-0.4331383	-0.55130151	-1.469809692
## 123	-1.216242337	-0.350054439	-0.4564660	-0.54893980	-1.014732886
## 124	-0.365707557	-0.686965286	-0.7929489	-0.28792588	-0.258856638
## 125	-0.628347904	-0.863260468	-0.6854328	-0.34516998	-0.126129707
## 126	-0.854174884	-0.417018926	-0.5794579	-0.44242071	-1.081777955
## 127	-1.275981803	-0.276130699	-0.4038123	-0.56204654	-1.317345591
## 128	-0.844871321	-0.416416075	-0.5764054	-0.44225762	-1.073755246
## 129	0.194442591	-0.829505226	-0.8956258	0.24614252	0.043638662
## 130	-1.205055369	-0.588730970	-0.4447103	-0.53647892	-0.591701262
## 131	-0.120101050	-1.039707098	-1.0828235	0.58042361	0.570254559
## 132	-1.216915522	-0.029495555	-0.4381265	-0.55156802	-1.482919974
## 133	-1.175919332	-0.026839090	-0.4246758	-0.55084937	-1.447567870
## 134	-0.356403994	-0.686362435	-0.7898965	-0.28776280	-0.250833928
## 135	-1.153984102	-0.025417734	-0.4174789	-0.55046486	-1.428652538
## 136	4.199339154	-0.931597789	-1.1354970	6.22865061	1.056450349
## 137	-1.047613362	-0.143112373	-0.3094442	-0.54584845	-1.101762982
## 138	2.693130079	-0.705191970	-1.0218909	1.36428702	0.129586018
## 139	-0.070020650	-0.620942325	-0.8503873	-0.05368948	-1.178728818
## 140	-0.375744816	-1.132217271	-0.5713775	-0.37278348	0.714845969
## 141	-1.097890423	-0.195434934	-0.4227525	-0.53884778	-1.133690759
## 142	-1.104728164	-0.204040509	-0.3141966	-0.56524821	-0.876174815
## 143	-1.185828005	-0.027481151	-0.4279268	-0.55102307	-1.456112383
## 144	-0.930728839	-0.491693533	-0.6473143	-0.32828985	-0.817341609
## 145	-0.104216918	-1.038677840	-1.0776120	0.58070205	0.583951869
## 146	0.116239712	-0.525535036	-2.1793119	1.68404265	-0.774188561
## 147	-0.405153152	-0.467230038	-0.7313935	-0.33414333	-0.998211322
## 148	-0.221668731	1.585636230	1.8427414	-0.25529701	0.286609367
## 149	0.672502030	1.565391221	1.4993024	0.03207053	0.621332479
## 150	0.071007754	1.699893639	1.9527541	-0.30072368	0.387617242
## 151	-0.051133660	1.947893774	2.0525274	-0.33062769	0.005762339
## 152	2.830883327	0.717258361	0.7965814	1.50405193	3.512064884
## 153	-0.145409768	1.974154549	1.9585066	-0.31144657	-0.802718101
## 154	1.148602426	1.326908288	1.4961358	0.14165127	1.542704841
## 155	0.999715158	0.649350878	1.2042759	0.57827020	1.992498399
## 156	0.686177511	1.601362308	1.6143330	0.04425350	0.721322840
## 157	-0.111478235	2.443835231	1.9947837	-0.30272580	-0.413584056
## 158	3.523280223	0.921341540	0.6341458	2.39297793	2.166310736
## 159	-0.034175458	2.773847601	1.9227357	-0.23745771	-0.466938339
## 160	1.453350852	1.776247897	1.4827347	0.44926914	0.667642431
## 161	2.136050863	0.996835143	0.9633251	1.24400208	2.015196798
## 162	0.963862402	1.040059066	1.4460655	0.22570033	2.127136430
## 163	0.414861402	2.189184130	1.7955846	-0.18633228	0.182640264

## 164	-0.293964225	2.047654333	2.0828187	-0.36763087	0.566177979
## 165	0.277244304	2.236112400	1.8150807	-0.11908990	-0.424033147
## 166	0.947554692	1.106262882	1.4305352	0.42240067	1.055028437
## 167	0.008726828	2.528807807	1.9698776	-0.29523548	-0.218677863
## 168	0.615061981	1.131779651	1.5825527	0.02523070	1.873892742
## 169	-0.353234731	1.880777349	2.0702664	-0.32565765	0.550054289
## 170	-0.129767679	1.795085273	2.0387292	-0.30132883	0.455581988
## 171	0.472997327	1.456110519	1.8419523	-0.18893026	1.333331679
## 172	1.517401725	0.841768156	1.7684500	0.03340890	3.165601221
## 173	2.717062172	0.897637245	1.1485970	3.22228897	3.090044252
## 174	0.788864646	2.119426924	1.7224447	-0.10462318	0.155663087
## 175	0.049148163	0.529502149	1.7446210	-0.09346858	1.510561821
## 176	2.864724092	0.273020930	0.9123813	3.38498003	2.789160017
## 177	-0.204256697	1.986908523	1.9994791	-0.33772978	0.313286508
## 178	0.438067363	1.120310779	1.5244815	0.02212807	1.721265578
## 179	1.287989470	1.614097656	1.3274812	0.29134790	0.828148810
## 180	-0.134578302	1.878180679	1.7856182	-0.23111642	0.028421603
## 181	0.430110169	1.877489606	1.5387114	0.04412913	0.210934993
## 182	-0.317578636	1.500762659	1.9784692	-0.31518669	1.042335597
## 183	2.193263996	0.622836219	1.0542090	0.37532722	2.026089420
## 184	1.852330003	0.598810403	0.7022430	1.91861835	3.366247240
## 185	-0.457389256	1.499704974	1.9560795	-0.33630682	0.227515260
## 186	1.105200925	0.973084776	1.7029884	0.91206865	2.233362327
## 187	0.199306161	1.692779017	1.5628383	0.10063457	0.563660283
## 188	0.168627094	1.667237742	1.7016483	-0.10099523	0.334106419
## 189	-0.186753895	2.096898923	1.7010427	-0.23217317	-0.392738056
## 190	-0.212229018	1.998227417	1.7443728	-0.24023469	-0.515544220
## 191	-0.606337035	2.602059588	1.9046791	-0.35001087	-0.968651223
## 192	-0.635397434	1.958971528	1.8580236	-0.34528746	-0.058497610
## 193	1.065672127	1.285149833	1.1850578	0.17674037	1.453254886
## 194	0.540391431	0.932559469	1.4000900	0.06225218	1.718708747
## 195	0.088737472	1.825042554	1.6120399	-0.13224928	-0.192587749
## 196	-0.754876365	2.106819007	1.9633310	-0.37150093	-0.663723020
## 197	0.107344598	1.826248256	1.6181449	-0.13192310	-0.176542329
##	HGLZE.W.PET	SZLGE.W.PET	SZHGE.W.PET	LZLGE.W.PET	LZHGE.W.PET
## 1	-0.330295817	-0.420355322	-0.310817545	-0.28054424	-0.52340377
## 2	0.044705714	-0.383741979	0.099307202	-0.32308007	-0.39643071
## 3	-0.889970478	0.777437971	-0.876219043	-0.13955942	-0.71605820
## 4	-0.197250002	-0.764947844	-0.230774237	-0.30332654	0.08085406
## 5	-0.935065660	1.104627636	-0.905960024	0.36163308	-1.09354081
## 6	-0.921969386	0.820422319	-0.907683935	0.72650432	-0.76011879
## 7	0.847278892	-1.113155624	0.894200904	-0.35505795	0.29431254
## 8	-0.737883573	0.331520768	-0.689344556	-0.23220724	-1.01528219
## 9	-0.557022016	-0.387392680	-0.606567881	-0.28554379	-0.01610441
## 10	-0.492520882	-0.022614970	-0.461234090	-0.19222484	-0.77588400
## 11	-0.485574229	-0.557176869	-0.522259675	-0.29538151	-0.27240011
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## 14	-0.775606742	1.395824222	-0.719891079	-0.20296065	-1.08692895
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## 16	-0.748795808	-0.619540061	-0.734543539	-0.28906586	-0.77053500
## 17	-0.566660679	-1.101033878	-0.866582089	0.06877295	3.39602342
## 18	-0.081061352	-0.514458348	-0.081764148	-0.30845461	-0.24653714
## 19	-0.091846871	-0.493768088	-0.092989375	-0.31891954	-0.29531543


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## 20 -0.039736515 -0.468230901 -0.072783141 -0.32491824 -0.19957316
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## 23 -0.113388541 -0.513439342 -0.149801116 -0.32078865 0.13276813
## 24 -0.276651872 -0.620816034 -0.257983413 -0.32596388 -0.54255998
## 25 -0.778774898 -0.649188717 -0.780368358 -0.26321735 -0.87380715
## 26 -0.853309469 0.596400407 -0.838119998 0.92210781 -0.86061075
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## 160 -0.003240498 0.857328073 -0.102551428 -0.04569374 1.02310302
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## 171 -0.167017016 1.776099690 -0.140032437 -0.16743345 -0.43960143
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## 182	0.640514142	1.068076319	0.790207684	-0.13065291	-0.19911364
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## 187	0.143494410	0.808929699	0.049461635	-0.20630919	0.92228799
## 188	0.114510231	0.481483067	0.073493236	-0.23606552	0.54128002
## 189	1.180852560	-0.300404977	1.082496478	-0.30015454	1.31794606
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## 191	4.152692402	-0.948138613	4.154220650	-0.34569362	3.16403627
## 192	1.209462098	0.199652479	1.214854834	-0.30723198	0.67063818
## 193	-0.483770311	1.382851828	-0.505772399	0.02672023	-0.41126271
## 194	-0.596864941	1.580698567	-0.598837405	0.07027057	-0.70455537
## 195	0.310906026	-0.111206501	0.269965253	-0.25378942	0.24965901
## 196	1.566478887	-0.555776843	1.640583110	-0.33000996	0.75799871
## 197	0.310924645	-0.089408625	0.269985474	-0.25325718	0.24966987
##	GLNU_area.W.PET	ZSNU.W.PET	ZSP.W.PET	GLNU_norm.W.PET	ZSNU_norm.W.PET
## 1	-0.6041964876	-0.47215733	-0.308393358	-0.521883583	-0.320005739
## 2	-0.6842907533	-0.48253688	-0.020302247	-0.616219192	0.125587664
## 3	-0.3854504317	-0.55514017	-0.832674224	0.544364127	-0.889875096
## 4	0.7306190762	0.49491567	-0.546234790	-0.582399921	-0.549478204
## 5	-0.4252047522	-0.60008455	-0.939202204	1.358333511	-1.079861685
## 6	-0.4022339536	-0.59137804	-1.180359892	0.943453923	-1.175413481
## 7	-0.6316374424	-0.36684747	-0.075026938	-0.772896484	-0.028964004
## 8	-0.5676508545	-0.52489809	-0.269803483	-0.015008858	-0.192553765
## 9	-0.7025587494	-0.58316408	-0.577435993	-0.347232804	-0.689663418
## 10	-0.7368287929	-0.58309276	-0.261243153	-0.343358145	-0.157133426
## 11	3.1452396305	1.50995376	-0.560498566	-0.420996889	-0.672272600
## 12	-0.3595487438	-0.56337583	-0.919062072	0.591419947	-1.049530560
## 13	-0.3509597991	-0.05504795	-0.250432413	-0.781496882	-0.291684050
## 14	-0.7790094247	-0.62691720	-0.011212864	0.471070375	0.261669426
## 15	0.1342178857	1.03752779	-0.045190949	-0.866795355	0.019131245
## 16	-0.6390925954	-0.58803182	-0.656133222	0.031005508	-0.814362259
## 17	-0.2389564059	-0.35490877	-1.505564693	-0.367591557	-0.725547473
## 18	0.4880670367	0.46812729	-0.355210648	-0.621415265	-0.398341704
## 19	-0.4694901763	-0.30931968	-0.222459721	-0.627294443	-0.248590520
## 20	-0.4804577923	-0.32441430	-0.243763769	-0.647541212	-0.350958069
## 21	-0.4479993079	-0.42823876	-0.353148633	-0.328195466	-0.394080764
## 22	-0.7660400621	-0.62381108	-0.082025918	0.302959482	-0.150055191
## 23	-0.4559172892	-0.29983103	-0.277599913	-0.628996605	-0.271744251
## 24	0.1206829375	0.15070687	-0.205950697	-0.563250598	-0.231666335
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## 28	-0.2275840480	-0.36553719	-0.610990836	-0.256805448	-0.612584444
## 29	-0.6138532757	-0.60948429	-0.749881354	0.676964785	-0.952844263
## 30	-0.4219061342	-0.17888309	-0.307598489	-0.750454822	-0.310270614
## 31	-0.6424197877	-0.62421140	-1.140131244	0.819655233	-1.207476981
## 32	-0.2529793428	-0.32377280	-0.462492205	-0.380973686	-0.542394136
## 33	-0.2191393938	-0.03865863	-0.152996397	-0.647753983	-0.172829784
## 34	-0.5436450785	-0.42222648	-0.264249720	-0.522667473	-0.282013087
## 35	-0.4280554841	-0.19476717	-0.055583608	-0.667228060	0.003796528
## 36	-0.6977759337	-0.61706275	-0.489339692	0.726036324	-0.489932955
## 37	-0.3174796087	-0.51665610	-0.720295696	0.307595633	-0.817990328

## 38	-0.7500935646	-0.58499205	-0.104886154	-0.407760340	-0.099615112
## 39	-0.1603467467	-0.17049969	-0.416160095	-0.525388693	-0.453246875
## 40	-0.7227647916	-0.48737568	-0.132647225	-0.808350727	-0.195616042
## 41	-0.5799739452	-0.30451370	-0.005857819	-0.746053838	0.063257200
## 42	-0.6648415659	-0.47472217	-0.218542151	-0.668079141	-0.237035527
## 43	0.2588192344	-0.41928116	-1.175931334	0.207593616	-1.178761571
## 44	-0.6424321695	-0.62421223	-1.142789411	0.808120846	-1.210480929
## 45	-0.6969745763	-0.64300574	-1.565458616	2.682156405	-1.267278878
## 46	-0.2341894102	0.47829490	-0.099002056	-0.757700209	-0.060773773
## 47	-0.3637995732	-0.60413889	-1.322233751	1.789271654	-1.174696033
## 48	0.8718982203	1.19650338	-0.218335691	-0.571391860	-0.225824677
## 49	-0.7291962671	-0.56209798	-0.198941395	-0.391813770	-0.249208808
## 50	-0.4689949027	-0.44167072	-0.493835349	-0.279471079	-0.588202886
## 51	-0.3920923985	-0.28885603	-0.117493092	-0.369909633	-0.129103383
## 52	-0.6685183468	-0.46276540	-0.055986204	-0.519184760	-0.011625683
## 53	-0.3977725488	-0.58291539	-1.052827231	0.852164288	-1.137076688
## 54	-0.6720007088	-0.49382534	-0.109115995	-0.455790424	-0.122135973
## 55	-0.4216411148	-0.48047057	-0.542975309	0.019829471	-0.588433286
## 56	-0.7262440041	-0.62589502	-0.805751896	0.569515810	-0.837396416
## 57	-0.1695934795	-0.26695250	-0.441257838	-0.243244144	-0.479328726
## 58	-0.3442403558	0.07263402	-0.104615176	-0.673219222	-0.078015851
## 59	-0.4116952529	-0.58447450	-1.164096039	0.656919588	-1.246537055
## 60	-0.0310923752	0.70991780	-0.183913719	-0.739323579	-0.157098429
## 61	0.2808944535	-0.03197887	-0.622913876	-0.269818028	-0.600341169
## 62	-0.2007786542	-0.49951825	-0.932461299	0.322332773	-1.023822014
## 63	0.6278376762	-0.17686617	-0.555001579	0.267102095	-0.636767684
## 64	1.7302618091	1.73516530	-0.259470181	-0.510662752	-0.298205242
## 65	-0.7391137590	-0.53716461	-0.005999760	-0.518770418	0.020601138
## 66	-0.1670481943	0.08132638	-0.302545391	-0.584740394	-0.271015138
## 67	-0.6355470499	-0.57845720	-0.636382783	0.130873144	-0.648853471
## 68	2.3018681519	3.79037042	-0.117841493	-0.668594269	-0.107757853
## 69	-0.5772950203	-0.54543639	-0.459841780	0.086840901	-0.506375924
## 70	-0.7463794097	-0.55123428	-0.051067304	-0.488198693	0.009982328
## 71	-0.4036364071	-0.24949538	-0.087780979	-0.392418485	-0.034362362
## 72	-0.2857486594	-0.34723652	-0.245245116	-0.065995328	-0.254216360
## 73	-0.5876496152	-0.57830889	-0.406193259	0.722732786	-0.319232878
## 74	-0.3826856033	-0.55690057	-1.022010559	0.713225315	-0.890528382
## 75	0.5776474976	0.54145494	-0.343878598	-0.441512421	-0.378075262
## 76	-0.7983645582	-0.63695585	-0.345602535	0.398918864	-0.351981745
## 77	-0.7226243599	-0.63943164	-1.228106250	1.770211920	-1.045526268
## 78	-0.6788192430	-0.47853609	-0.061299957	-0.487739557	-0.088083452
## 79	-0.5774356684	-0.54544586	-0.490036493	-0.044180779	-0.540498441
## 80	0.2501730688	-0.15669473	-0.648089041	-0.273233551	-0.724908769
## 81	-0.4735794647	-0.33763918	-0.248744606	-0.568659442	-0.282237654
## 82	-0.2610617861	-0.25862227	-0.493458561	-0.502241529	-0.529719226
## 83	-0.7699282358	-0.59542951	-0.115542049	-0.424882746	-0.061348314
## 84	-0.6138268290	-0.60948251	-0.744203715	0.701601341	-0.946428064
## 85	-0.6423933410	-0.62420961	-1.134453606	0.844291789	-1.201060781
## 86	-0.7500671179	-0.58499027	-0.099208516	-0.383123785	-0.093198913
## 87	-0.5689735233	-0.55048110	-0.632307787	0.191087124	-0.345075581
## 88	-0.1650446325	-0.21723557	-0.465534903	-0.456238362	-0.508254121
## 89	-0.2119593460	-0.21775978	-0.360403106	-0.453393959	-0.367141475
## 90	-0.1238914649	0.06653004	-0.288779699	-0.877758622	-0.326343194
## 91	0.2127742429	0.34337113	-0.274859162	-0.832382566	-0.276673059

## 92	0.1174600652	0.95013280	-0.123591392	-1.057930229	-0.096497423
## 93	-0.6791618472	-0.47855916	-0.134851181	-0.806894930	-0.171202402
## 94	0.8057716901	-0.09402560	-0.684113656	-0.219033130	-0.819436890
## 95	-0.4227954387	-0.50827290	-0.559195289	-0.078369598	-0.625530586
## 96	1.5847093560	1.15850309	-0.383477544	-0.739760318	-0.416003752
## 97	-0.3352767342	-0.04591745	-0.081736874	-0.899203623	-0.024542660
## 98	1.5847241421	1.15850409	-0.380303229	-0.725986244	-0.412416513
## 99	-0.2007389842	-0.49951558	-0.923944841	0.359287605	-1.014197715
## 100	-0.7701630099	-0.59544532	-0.165943993	-0.643588165	-0.118306669
## 101	-0.6426281151	-0.62422542	-1.184855549	0.625586370	-1.258019136
## 102	0.1174359026	0.95013117	-0.128778689	-1.080439081	-0.102359496
## 103	0.1175010575	0.95013556	-0.114791053	-1.019743568	-0.086552313
## 104	0.8057864761	-0.09402461	-0.680939340	-0.205259056	-0.815849651
## 105	0.1175359190	0.95013791	-0.107306893	-0.987268109	-0.078094595
## 106	-0.2591735558	-0.59347607	-1.541878352	1.317257655	-1.339805266
## 107	-0.7575106223	-0.51497810	-0.018240232	-0.682144374	0.122782035
## 108	0.7034092290	-0.37670717	-1.262644356	0.529839758	-1.199815455
## 109	-0.6143141686	-0.58080004	-0.791828778	0.045776243	-0.940248097
## 110	-0.6976284335	-0.61705282	-0.457673955	0.863441111	-0.454148059
## 111	-0.7226172915	-0.48736575	-0.100981488	-0.670945940	-0.159831146
## 112	-0.5798264451	-0.30450377	0.025807919	-0.608649051	0.099042096
## 113	0.1174853097	0.95013450	-0.118171828	-1.034413517	-0.090372868
## 114	-0.1652541621	-0.21724968	-0.510517283	-0.651427069	-0.559087921
## 115	-0.7987492367	-0.63698175	-0.428186366	0.040568971	-0.445308286
## 116	-0.6426028706	-0.62422372	-1.179435986	0.649103081	-1.251894581
## 117	-0.2391394888	-0.35492110	-1.544869435	-0.538143709	-0.769965073
## 118	3.1450565476	1.50994143	-0.599803307	-0.591549042	-0.716690201
## 119	-0.2345332165	0.47827175	-0.172811355	-1.077975426	-0.144184369
## 120	-0.1244552593	0.06649209	-0.409816625	-1.402965183	-0.463124906
## 121	0.2122104485	0.34333317	-0.395896088	-1.357589128	-0.413454771
## 122	0.1168962708	0.95009484	-0.244628318	-1.583136790	-0.233279134
## 123	-0.6797256416	-0.47859712	-0.255888107	-1.332101492	-0.307984114
## 124	0.8052078957	-0.09406356	-0.805150582	-0.744239691	-0.956218601
## 125	-0.4233592331	-0.50831086	-0.680232216	-0.603576160	-0.762312297
## 126	1.5841455616	1.15846513	-0.504514471	-1.264966879	-0.552785463
## 127	-0.3358405286	-0.04595541	-0.202773801	-1.424410185	-0.161324371
## 128	1.5841603477	1.15846613	-0.501340155	-1.251192805	-0.549198224
## 129	-0.2013027786	-0.49955354	-1.044981768	-0.165918956	-1.150979426
## 130	-0.7707268043	-0.59548328	-0.286980920	-1.168794727	-0.255088380
## 131	-0.6431919095	-0.62426338	-1.305892476	0.100379808	-1.394800847
## 132	0.1168721082	0.95009322	-0.249815615	-1.605645643	-0.239141208
## 133	0.1169372631	0.95009760	-0.235827979	-1.544950130	-0.223334025
## 134	0.8052226817	-0.09406256	-0.801976266	-0.730465617	-0.952631362
## 135	0.1169721246	0.95009995	-0.228343819	-1.512474671	-0.214876307
## 136	-0.2597373502	-0.59351403	-1.662915278	0.792051093	-1.476586978
## 137	-0.7580744167	-0.51501606	-0.139277158	-1.207350936	-0.013999677
## 138	0.7028454346	-0.37674512	-1.383681282	0.004633196	-1.336597167
## 139	-0.6148779630	-0.58083800	-0.912865704	-0.479430319	-1.077029808
## 140	-0.6981922279	-0.61709078	-0.578710881	0.338234549	-0.590929771
## 141	-0.7231810859	-0.48740371	-0.222018414	-1.196152501	-0.296612858
## 142	-0.5803902395	-0.30454173	-0.095229008	-1.133855612	-0.037739616
## 143	0.1169215153	0.95009654	-0.239208754	-1.559620079	-0.227154580
## 144	-0.1658179565	-0.21728764	-0.631554209	-1.176633631	-0.695869633
## 145	-0.6431666650	-0.62426168	-1.300472912	0.123896520	-1.388676293

## 146	-0.2397032832	-0.35495906	-1.665906361	-1.063350271	-0.906746785
## 147	3.1444927532	1.50990347	-0.720840234	-1.116755603	-0.853471912
## 148	-0.6120989375	-0.47043716	1.948824023	0.466893359	1.861236758
## 149	-0.0916962088	-0.22958264	1.359036114	0.691578742	1.183248602
## 150	0.0621087998	0.07604674	2.111720628	0.510701634	2.101447608
## 151	-0.4907430970	-0.27177200	2.234734405	0.212151379	2.336403008
## 152	0.0507484991	-0.51207197	0.241052349	2.954849475	0.085500998
## 153	-0.4977078209	-0.33389188	2.128474822	0.338940051	2.115382427
## 154	0.0030113671	-0.30718233	1.260756194	1.290179841	1.182787803
## 155	-0.6061944114	-0.59803124	0.735203021	2.389552519	0.684861542
## 156	0.5071066376	0.11985380	1.464191137	0.764032611	1.400996921
## 157	0.1578128852	0.79902685	2.137476460	-0.095917544	2.203622672
## 158	0.0229030910	-0.51519019	0.018514734	2.564360076	-0.133419735
## 159	0.7841088464	2.07359442	1.978879375	-0.228126258	2.045457516
## 160	1.4080825036	0.58980107	1.100879060	0.710884842	1.158972036
## 161	0.4447362884	-0.34527770	0.481784215	1.895186445	0.312010346
## 162	2.1019689490	0.30002647	1.236703654	1.784725090	1.086119005
## 163	4.3068172150	4.12408940	1.827766450	0.229195396	1.763243890
## 164	-0.6319339213	-0.42057041	2.334707293	0.212980063	2.400856650
## 165	0.5121972081	0.81641157	1.741616031	0.081040112	1.817624098
## 166	-0.4248005032	-0.50315559	1.073941247	1.512267187	1.061947431
## 167	5.4500299004	8.23449964	2.111023827	-0.086667638	2.144138668
## 168	-0.3082964439	-0.43711397	1.427023252	1.424202701	1.346902525
## 169	-0.6464652228	-0.44870975	2.244572203	0.274123514	2.379619029
## 170	0.0390207824	0.15476805	2.171144855	0.465683928	2.290929651
## 171	0.2747962778	-0.04071423	1.856216580	1.118530242	1.851221653
## 172	-0.3290056336	-0.50285898	1.534320294	2.695986471	1.721188617
## 173	0.0809223901	-0.46004234	0.302685694	2.676971530	0.578597610
## 174	2.0015885919	1.73666868	1.658949617	0.367496058	1.603503849
## 175	-0.7504355197	-0.62015289	1.655501742	2.048358627	1.655690884
## 176	-0.5989551232	-0.62510447	-0.109505687	4.790944738	0.268601838
## 177	-0.5113448892	-0.30331338	2.224106898	0.275041785	2.183487470
## 178	-0.3085777401	-0.43713291	1.366633826	1.162159342	1.278657492
## 179	1.3466397343	0.34036935	1.050528731	0.704053798	0.909836835
## 180	-0.1008653327	-0.02151955	1.849217600	0.113202015	1.795179065
## 181	0.3241700244	0.13651426	1.359789691	0.246037841	1.300215923
## 182	-0.6935628749	-0.53710022	2.115622714	0.400755407	2.236957745
## 183	-0.3813600614	-0.56520621	0.858299382	2.653723580	0.466798247
## 184	-0.4384930854	-0.59466042	0.077799601	2.939104476	-0.042467188
## 185	-0.6538406391	-0.51622174	2.148289780	0.484273329	2.173256548
## 186	-0.2916534500	-0.44720339	1.082091239	1.632695148	1.669503212
## 187	0.5162043316	0.21928766	1.415637007	0.338044176	1.343146132
## 188	0.4223749046	0.21823925	1.625900600	0.343732980	1.625371424
## 189	0.5985106669	0.78681889	1.769147415	-0.504996344	1.706967985
## 190	1.2718420825	1.34050106	1.796988489	-0.414244234	1.806308255
## 191	1.0812137271	2.55402441	2.099524028	-0.865339558	2.166659529
## 192	-0.5120300978	-0.30335951	2.077004450	-0.363268961	2.017249569
## 193	2.4578369768	0.46570760	0.978479501	0.812454640	0.720780595
## 194	0.0007027192	-0.36278700	1.228316233	1.093781703	1.108593203
## 195	4.0157123087	2.97076499	1.579751723	-0.228999736	1.527646870
## 196	0.1757401282	0.56192391	2.183233063	-0.547886347	2.310569055
## 197	4.0157418808	2.97076698	1.586100355	-0.201451588	1.534821348
##	GLVAR_area.W.PET	ZSVAR.W.PET	Entropy_area.W.PET	Min_hist.ADC	Max_hist.ADC
## 1	-0.27666046	-0.38203018	-0.501472665	0.41131260	-0.541421881

## 2	0.33037028	-0.43457258	-0.547775523	-0.86575050	-0.591789352
## 3	-0.89562464	0.03827969	-0.858984642	0.60903639	-0.018307091
## 4	-0.23782440	-0.23636331	-0.271108657	-0.86575050	-0.010354333
## 5	-0.92442114	0.02117985	-0.927356124	-0.86575050	-0.434501459
## 6	-0.92613128	0.79391402	-0.774785399	-0.86575050	-0.338184716
## 7	0.92665539	-0.43612883	-0.328756903	-0.86575050	-0.674851498
## 8	-0.69716285	-0.38575500	-0.872045334	0.91143749	-0.041281727
## 9	-0.58797493	-0.27380705	-0.587894200	0.66253813	-0.414177743
## 10	-0.37393527	-0.35812972	-0.721171918	-0.17022797	-0.083696440
## 11	-0.59115462	-0.29006447	-0.410961931	-0.86575050	-0.514912685
## 12	-0.90764510	-0.02812761	-0.779257425	-0.86575050	-0.616531268
## 13	0.36433642	-0.39954507	-0.240553485	0.34618006	0.175210035
## 14	-0.66881261	-0.42361328	-1.269387180	-0.86575050	-0.343486555
## 15	1.39072694	-0.44018054	-0.185118085	-0.82387958	-0.260424409
## 16	-0.79767896	-0.23825066	-0.723424801	-0.86575050	-0.571465636
## 17	-0.57905091	1.07344025	-0.421938437	-0.65406973	-0.591789352
## 18	0.08850552	-0.36659708	-0.300110024	-0.86575050	-0.528167283
## 19	-0.08568903	-0.40984973	-0.427968317	0.18102253	-0.318744639
## 20	0.01126234	-0.41353960	-0.382430215	-0.86575050	-0.198569620
## 21	-0.52850547	-0.34927435	-0.604797569	-0.86575050	-0.312559160
## 22	-0.78391245	-0.44752515	-1.107140485	0.90678517	-0.720800770
## 23	-0.18354512	-0.38785296	-0.438082447	0.12519464	-1.020354678
## 24	-0.29262801	-0.41453132	-0.477795803	-0.86575050	-0.398272226
## 25	-0.85079835	-0.36498831	-0.878002337	0.60205791	-0.848044908
## 26	-0.81041339	0.76084834	-0.639394254	-0.86575050	-0.528167283
## 27	0.06339769	-0.42597172	-0.671532022	0.57181780	-0.506076287
## 28	-0.67507644	-0.19858127	-0.547190709	0.18334870	-0.749960885
## 29	-0.91895689	-0.19357051	-0.919248355	0.18334870	-0.674851498
## 30	0.24357868	-0.37742500	-0.249628446	0.02284350	-0.888692341
## 31	-0.90816988	0.47889341	-0.863211046	0.90678517	-0.834790310
## 32	-0.30298966	-0.33913006	-0.458899569	-0.86575050	-0.006819773
## 33	-0.20742364	-0.42618812	-0.442148252	-0.86575050	0.139864441
## 34	0.01535597	-0.39660786	-0.468315521	1.03937642	-0.446872417
## 35	0.34307458	-0.43920692	-0.439534135	0.99517934	-0.458359735
## 36	-0.88886909	-0.31822759	-1.110979563	-0.86575050	-0.507843567
## 37	-0.83846205	-0.18335456	-0.767775281	-0.86575050	-0.124343873
## 38	-0.16213923	-0.43650174	-0.692884474	0.45550968	-0.600625750
## 39	-0.45234099	-0.31882831	-0.435049063	-0.86575050	-0.348788394
## 40	0.69665249	-0.43677575	-0.284519338	-0.34003782	-0.477799812
## 41	1.18305944	-0.44637957	-0.365164712	-0.86575050	-0.261308049
## 42	0.03570499	-0.40930205	-0.433599624	0.40200795	-0.960267168
## 43	-0.79015894	1.29482964	-0.445068273	-0.86575050	0.139864441
## 44	-0.90819665	0.47871249	-0.863674399	0.90678277	-0.834791220
## 45	-0.96497658	4.50487725	-1.138377190	0.90681627	-0.834778496
## 46	4.33517900	-0.42042454	0.015622854	-0.79593453	-0.523737270
## 47	-0.95724954	3.95121232	-0.934839941	-0.86571940	-0.215346963
## 48	0.12528904	-0.39571381	-0.281368091	0.62069831	-0.544060986
## 49	-0.31569029	-0.41190413	-0.578971741	0.90681627	-1.129030565
## 50	-0.55695357	-0.31434292	-0.484614282	-0.86571940	-0.438907844
## 51	-0.41327280	-0.42273608	-0.581109011	-0.54703516	-0.035084434
## 52	-0.05325517	-0.42936668	-0.511631781	-0.86571940	-0.035084434
## 53	-0.87360893	0.27170792	-0.685433496	-0.86571940	0.139876255
## 54	0.32775742	-0.42797887	-0.434561418	0.93240405	-0.895749645
## 55	-0.64157169	-0.26190609	-0.598232359	0.90681627	-1.145819722

## 56	-0.89628322	-0.11618354	-0.896305210	0.56952274	-0.612984894
## 57	-0.52046598	-0.28645680	-0.490447575	-0.72149734	-0.645679568
## 58	0.70229359	-0.42121180	-0.219596907	-0.39583461	-0.269248994
## 59	-0.89438218	0.70813908	-0.606078761	0.90681627	-0.931095239
## 60	1.62672007	-0.39636705	-0.039692884	-0.86571940	0.335160662
## 61	-0.50967416	-0.09476975	-0.388627442	-0.86571940	-0.349660220
## 62	-0.83663412	0.22439074	-0.585764129	-0.30744045	-0.316965545
## 63	-0.71686883	-0.21142494	-0.684340344	-0.13297828	0.355484378
## 64	0.21300446	-0.38204827	-0.277947380	0.18337980	-0.570570181
## 65	1.29766977	-0.44393716	-0.450340144	0.91146859	-0.677490603
## 66	0.14404767	-0.34965446	-0.248924870	0.24386002	-0.750832710
## 67	-0.77017904	-0.11925986	-0.707199367	0.30666640	-0.561733783
## 68	0.85039692	-0.41917848	-0.181870119	-0.86571940	-0.331987423
## 69	-0.68631736	-0.30586854	-0.718943328	-0.79593453	-0.602381216
## 70	0.24608695	-0.42506695	-0.512953910	-0.77732523	-0.607683055
## 71	-0.24365273	-0.41852770	-0.530173977	-0.41443600	-1.137863959
## 72	-0.46282471	-0.38228610	-0.633672526	-0.86571149	0.290981674
## 73	-0.79399344	-0.28434567	-1.012794273	0.88821488	-0.639491085
## 74	-0.86769886	1.43537509	-0.742884255	0.18338771	-0.652745683
## 75	-0.07276771	-0.35522465	-0.288402501	-0.86571149	-1.137863959
## 76	-0.85875148	-0.34837871	-1.089285220	0.80912536	-0.586472694
## 77	-0.96081436	1.23878918	-1.150767145	1.26737933	-0.750829706
## 78	0.21543390	-0.43699321	-0.437920498	-0.66566153	-1.109587484
## 79	-0.68662145	-0.30792364	-0.724206652	-0.79596174	-0.602391555
## 80	-0.55000883	-0.19758463	-0.427444234	-0.86574538	-0.493703385
## 81	-0.22358898	-0.40121550	-0.456210775	-0.86574538	-0.725217025
## 82	-0.19070553	-0.29513969	-0.340096893	-0.86574538	-0.006817829
## 83	0.06345487	-0.42558529	-0.670542337	-0.55636580	-0.812697370
## 84	-0.91889971	-0.19318408	-0.918258671	0.36712063	-0.563510933
## 85	-0.90811270	0.47927984	-0.862221361	0.44388399	-0.909014113
## 86	-0.16208205	-0.43611531	-0.691894789	0.47645026	-0.197684036
## 87	-0.64662412	0.22115686	-0.806119723	0.72302346	-0.217124113
## 88	-0.41514726	-0.24747490	-0.442057381	0.18335381	-0.635969400
## 89	-0.48139867	-0.34630763	-0.506677958	0.80443915	-0.883388557
## 90	-0.03792097	-0.39926228	-0.353643880	0.18330838	-0.635986658
## 91	-0.17652768	-0.40110028	-0.405133137	-0.19352991	-0.483116964
## 92	1.09581841	-0.43983557	-0.174572092	0.88813556	-0.639521217
## 93	0.21469316	-0.44199922	-0.450741417	-0.66572783	-1.109612667
## 94	-0.68757627	-0.26506813	-0.575693635	-0.86579367	-0.343502955
## 95	-0.77618045	-0.28895770	-0.780370371	-0.86579081	-0.332014551
## 96	-0.38952369	-0.35794336	-0.444072740	-0.82392275	-0.260440810
## 97	0.36336367	-0.44583049	-0.408301478	-0.54710658	-0.035111562
## 98	-0.38949172	-0.35772731	-0.443519416	-0.82391989	-0.260439723
## 99	-0.83654835	0.22497039	-0.584279601	-0.30743277	-0.316962629
## 100	0.06294727	-0.42901573	-0.679328040	-0.55641123	-0.812714627
## 101	-0.90862030	0.47584940	-0.871007064	0.44383856	-0.909031371
## 102	1.09576617	-0.44018862	-0.175476304	0.88813088	-0.639522993
## 103	1.09590704	-0.43923660	-0.173038080	0.88814349	-0.639518204
## 104	-0.68754431	-0.26485208	-0.575140311	-0.86579081	-0.343501869
## 105	1.09598241	-0.43872722	-0.171733496	0.88815024	-0.639515641
## 106	-0.94396068	6.96463028	-0.753697013	-0.86575638	-0.332001473
## 107	1.15411994	-0.42686209	-0.341571524	-0.86572196	-0.712837169
## 108	-0.88316908	1.25711223	-0.491702675	-0.19346105	-0.483090809
## 109	-0.78209605	-0.06041077	-0.591111126	-0.86572196	-0.931979851

## 110	-0.88855018	-0.31607237	-1.105459820	-0.86572196	-0.344359353
## 111	0.69697140	-0.43462053	-0.278999595	-0.86572196	-0.330221115
## 112	1.18337835	-0.44422435	-0.359644969	-0.70289060	-0.749950042
## 113	1.09587299	-0.43946670	-0.173627393	0.88814044	-0.639519362
## 114	-0.41560028	-0.25053647	-0.449898385	0.18331327	-0.635984802
## 115	-0.85958318	-0.35399950	-1.103680637	0.80905092	-0.586500971
## 116	-0.90856572	0.47621827	-0.870062365	0.44384344	-0.909029515
## 117	-0.57944675	1.07076511	-0.428789755	-0.65410516	-0.591802810
## 118	-0.59155046	-0.29273961	-0.417813250	-0.86578593	-0.514926143
## 119	4.33443566	-0.42544811	0.002756951	-0.79600106	-0.523762542
## 120	-0.03913994	-0.40750024	-0.374742163	0.18319929	-0.636028101
## 121	-0.17774665	-0.40933824	-0.426231420	-0.19363901	-0.483158407
## 122	1.09459944	-0.44807353	-0.195670375	0.88802646	-0.639562660
## 123	0.21347419	-0.45023718	-0.471839699	-0.66583692	-1.109654110
## 124	-0.68879524	-0.27330610	-0.596791918	-0.86590277	-0.343544398
## 125	-0.77739941	-0.29719566	-0.801468654	-0.86589991	-0.332055993
## 126	-0.39074266	-0.36618132	-0.465171023	-0.82403185	-0.260482252
## 127	0.36214470	-0.45406845	-0.429399761	-0.54721567	-0.035153005
## 128	-0.39071069	-0.36596527	-0.464617699	-0.82402899	-0.260481166
## 129	-0.83776732	0.21673242	-0.605377884	-0.30754187	-0.317004072
## 130	0.06172830	-0.43725369	-0.700426323	-0.55652032	-0.812756070
## 131	-0.90983927	0.46761144	-0.892105347	0.44372946	-0.909072813
## 132	1.09454720	-0.44842659	-0.196574587	0.88802178	-0.639564436
## 133	1.09468807	-0.44747457	-0.194136363	0.88803439	-0.639559647
## 134	-0.68876327	-0.27309005	-0.596238594	-0.86589991	-0.343543311
## 135	1.09476344	-0.44696518	-0.192831779	0.88804114	-0.639557084
## 136	-0.94517965	6.95639232	-0.774795296	-0.86586548	-0.332042915
## 137	1.15290098	-0.43510005	-0.362669806	-0.86583105	-0.712878611
## 138	-0.88438804	1.24887427	-0.512800958	-0.19357015	-0.483132251
## 139	-0.78331502	-0.06864873	-0.612209409	-0.86583105	-0.932021294
## 140	-0.88976915	-0.32431033	-1.126558103	-0.86583105	-0.344400795
## 141	0.69575243	-0.44285850	-0.300097878	-0.86583105	-0.330262558
## 142	1.18215938	-0.45246231	-0.380743252	-0.70299969	-0.749991485
## 143	1.09465402	-0.44770467	-0.194725676	0.88803135	-0.639560804
## 144	-0.41681924	-0.25877443	-0.470996668	0.18320417	-0.636026245
## 145	-0.90978469	0.46798030	-0.891160648	0.44373435	-0.909070958
## 146	-0.58066572	1.06252714	-0.449888038	-0.65421425	-0.591844253
## 147	-0.59276943	-0.30097757	-0.438911533	-0.86589502	-0.514967586
## 148	0.36320855	-0.35433060	1.564884158	2.67938892	0.287458160
## 149	-0.11931800	-0.15920819	1.753599075	-0.86568241	1.667703601
## 150	0.16804353	-0.37599451	1.560609619	-0.22831394	2.475350421
## 151	0.88807879	-0.38925570	1.699564079	-0.86568241	2.475350421
## 152	-0.75262873	1.01289350	1.351960647	-0.86568241	2.825271800
## 153	1.65010398	-0.38648009	1.853704804	2.73056449	0.754019999
## 154	-0.28855424	-0.05433452	1.526362922	2.67938892	0.253879846
## 155	-0.79797731	0.23711058	0.930217220	2.00480186	1.319549501
## 156	-0.04634282	-0.10343595	1.741932490	-0.57723829	1.254160152
## 157	2.39917631	-0.37294594	2.283633825	0.07408715	2.007021302
## 158	-0.79417522	1.88575581	1.510670118	2.67938892	0.683328811
## 159	4.24802927	-0.32325644	2.643441871	-0.86568241	3.215840612
## 160	-0.02475918	0.27993816	1.945572756	-0.86568241	1.846198850
## 161	-0.67867911	0.91825914	1.551299383	0.25087549	1.911588198
## 162	-0.43914853	0.04662778	1.354146951	0.59979983	3.256488045
## 163	1.42059806	-0.29461889	2.166932880	1.23251598	1.404378926

## 164	3.58992867	-0.41839666	1.822147351	2.68869357	1.190538083
## 165	1.28268447	-0.22983125	2.224977900	1.35347642	1.043853869
## 166	-0.54576895	0.23095793	1.308428907	1.47908918	1.422051723
## 167	2.69538297	-0.36887930	2.359087403	-0.86568241	1.881544444
## 168	-0.37804558	-0.14225942	1.284940985	-0.72611267	1.340756857
## 169	1.48676303	-0.38065625	1.696919821	-0.68889408	1.330153179
## 170	0.50728368	-0.36757773	1.662479686	0.03688438	0.269791372
## 171	0.06893971	-0.29509454	1.455482588	-0.86566659	3.127482636
## 172	-0.59339775	-0.09921368	0.697239095	2.64218614	1.266537119
## 173	-0.74080859	3.34022785	1.237059129	1.23253179	1.240027923
## 174	0.84905372	-0.24097165	2.146022637	-0.86566659	0.269791372
## 175	-0.72291382	-0.22727977	0.544257200	2.48400711	1.372573901
## 176	-0.92703958	2.94705601	0.421293349	3.40051505	1.043859877
## 177	1.42545693	-0.40450875	1.846986643	-0.46556668	0.326344322
## 178	-0.37865377	-0.14636962	1.274414336	-0.72616711	1.340736180
## 179	-0.10542852	0.07430839	1.867939172	-0.86573438	1.558112519
## 180	0.54741118	-0.33295335	1.810406089	-0.86573438	1.095085239
## 181	0.61317807	-0.12080172	2.042633854	-0.86573438	2.531883630
## 182	1.12149887	-0.38169293	1.381742965	-0.24697521	0.920124550
## 183	-0.84321029	0.08310949	0.886310299	1.59999765	1.418497423
## 184	-0.82163626	1.42803733	0.998384917	1.75352436	0.727491063
## 185	0.67042503	-0.40275296	1.339038062	1.81865691	2.150151217
## 186	-0.29865910	0.91179138	1.110588194	2.31180331	2.111271063
## 187	0.16429462	-0.02547214	1.838712877	1.23246401	1.273580488
## 188	0.03179179	-0.22313760	1.709471724	2.47463467	0.778742174
## 189	0.91874719	-0.32904690	2.015539880	1.23237315	1.273545973
## 190	0.64153377	-0.33272289	1.912561366	0.47869657	1.579285360
## 191	3.18622596	-0.41019348	2.373683456	2.64202750	1.266476855
## 192	1.42397546	-0.41452078	1.821344807	-0.46569927	0.326293954
## 193	-0.38056341	-0.06065861	1.571440370	-0.86583096	1.858513378
## 194	-0.55777176	-0.10843774	1.162086898	-0.86582524	1.881490188
## 195	0.21554176	-0.24640906	1.834682161	-0.78208912	2.024637670
## 196	1.72131647	-0.42218331	1.906224683	-0.22845677	2.475296165
## 197	0.21560570	-0.24597696	1.835788808	-0.78208339	2.024639843
##	Mean_hist.ADC	Variance_hist.ADC	Standard_Deviation_hist.ADC		
## 1	-0.38718583	0.036491007	-0.132390108		
## 2	-0.51874979	-0.351755709	-0.427737538		
## 3	-0.36354944	1.084982631	0.511335186		
## 4	-0.45842022	0.287535841	0.038330172		
## 5	-0.74534253	-0.005658790	-0.162425760		
## 6	-0.21005618	2.186991606	1.055214957		
## 7	-0.36772941	0.175983004	-0.035900172		
## 8	0.74971745	-0.186224284	-0.296330253		
## 9	0.61306201	-0.432355194	-0.495292004		
## 10	-0.62186203	1.474902217	0.715222518		
## 11	-0.46728710	-0.175587377	-0.288188011		
## 12	-1.06161034	0.101044856	-0.087200056		
## 13	-0.73345310	-0.532586133	-0.583128821		
## 14	-0.29422906	-0.167194196	-0.281787100		
## 15	-0.81446403	-0.015767814	-0.169694077		
## 16	-0.51904585	-0.222848496	-0.324629275		
## 17	-0.37288662	-0.588129775	-0.633865982		
## 18	-0.97155894	-0.103958553	-0.234216697		
## 19	-0.65561688	0.397695820	0.109337209		

## 20	-0.67189499	0.582516612	0.223884685
## 21	-0.49090419	0.082947773	-0.099772613
## 22	-0.41491923	-0.369111796	-0.442070611
## 23	-1.08781230	-0.987766209	-1.061432621
## 24	-0.53370333	0.089114035	-0.095480472
## 25	-0.26583022	-0.734584319	-0.776029765
## 26	-1.01566590	0.068522921	-0.109847022
## 27	-0.09365596	0.257961180	0.018887517
## 28	-0.66517744	-0.207051530	-0.312372372
## 29	-0.42629558	-0.033058949	-0.182185573
## 30	-1.09405248	-1.053621641	-1.147777244
## 31	-0.52406901	-0.715643015	-0.756878188
## 32	-0.60079221	0.192775878	-0.024567034
## 33	-0.54277664	0.888618938	0.402718056
## 34	0.03033901	-0.123119406	-0.248511152
## 35	0.13703406	-0.323445900	-0.404598252
## 36	-0.46541900	0.497037586	0.171582043
## 37	-0.66394572	1.287633707	0.619113122
## 38	-0.22137956	0.289745054	0.039775849
## 39	-0.96487502	0.0611111932	-0.115041427
## 40	-0.75547114	-0.826144840	-0.872371811
## 41	-0.81895233	0.231837151	0.001573442
## 42	-0.84826632	-0.721247079	-0.762518646
## 43	-0.62710905	0.803743173	0.354364756
## 44	-0.52407072	-0.715643028	-0.756884645
## 45	-0.51755145	-0.804002525	-0.848379789
## 46	-0.67219114	0.147105400	-0.055442632
## 47	-0.33041519	1.731409070	0.842096360
## 48	-0.42319280	-0.578125289	-0.624526198
## 49	-0.60845799	-0.973752108	-1.043775997
## 50	-0.57354173	-0.096084872	-0.228288483
## 51	-0.57753943	-0.191061392	-0.299960556
## 52	-0.50943075	0.162779065	-0.044768575
## 53	-0.44947899	1.309534819	0.630602801
## 54	-0.49090914	-0.926812495	-0.986703626
## 55	-0.68181200	-1.102263577	-1.216115297
## 56	-0.19037450	-0.238878081	-0.337063597
## 57	-0.25727813	-0.076231177	-0.213625964
## 58	-0.54615537	0.988968912	0.458855000
## 59	-0.56814638	-0.787999799	-0.831352466
## 60	-0.92167946	-0.046800694	-0.192083504
## 61	-1.08618810	0.408154622	0.116051454
## 62	-0.56535876	-0.336890547	-0.415467156
## 63	-0.05882265	1.098691119	0.518842234
## 64	-0.36737920	-1.109507728	-1.226698827
## 65	-0.38617759	-0.635010001	-0.677884322
## 66	-0.37567783	-0.673360285	-0.714907305
## 67	-0.37461734	-0.566457169	-0.613797285
## 68	-0.64857124	1.394299070	0.674327304
## 69	-0.84067554	-0.488084086	-0.543486004
## 70	-0.16041891	0.022561460	-0.142185036
## 71	-1.05011111	-1.038327765	-1.127025105
## 72	-0.08111298	1.244251681	0.596489847
## 73	-0.25923237	-0.812871183	-0.857885023

## 74	-0.35074246	-1.137824957	-1.269149855
## 75	-1.03401011	-1.018008769	-1.100169991
## 76	0.16022921	-0.608389358	-0.652670032
## 77	-0.31722565	-0.974310970	-1.044450625
## 78	-1.03286939	-0.995770015	-1.071482311
## 79	-0.84069495	-0.488084239	-0.543559353
## 80	-0.30880874	0.007879937	-0.152717365
## 81	-0.77007194	-0.578394286	-0.624844291
## 82	-0.66404079	-0.107890340	-0.237127854
## 83	-0.72928620	-0.734180419	-0.775605039
## 84	-0.70038635	-0.057278345	-0.199796790
## 85	-0.60692164	-0.953656991	-1.019087342
## 86	0.85947463	-0.656459197	-0.698551752
## 87	0.84370948	-0.617504092	-0.661341966
## 88	-0.35963962	-1.085778344	-1.192497583
## 89	-0.22444087	-0.750454445	-0.792256862
## 90	-0.35967202	-1.085778601	-1.192620021
## 91	-0.47785281	-0.761969676	-0.804277912
## 92	-0.25928896	-0.812871631	-0.858098803
## 93	-1.03291668	-0.995770390	-1.071660983
## 94	-0.29425986	-0.167194440	-0.281903443
## 95	-0.54835118	0.874140603	0.394424011
## 96	-0.81449483	-0.015768058	-0.169810408
## 97	-0.57759037	-0.191061796	-0.300153014
## 98	-0.81449279	-0.015768042	-0.169802697
## 99	-0.56535328	-0.336890504	-0.415446468
## 100	-0.72931861	-0.734180676	-0.775727477
## 101	-0.60695404	-0.953657248	-1.019209779
## 102	-0.25929229	-0.812871658	-0.858111404
## 103	-0.25928330	-0.812871587	-0.858077425
## 104	-0.29425782	-0.167194424	-0.281895732
## 105	-0.25927849	-0.812871548	-0.858059244
## 106	-0.54832662	0.874140798	0.394516795
## 107	-1.16324511	-0.030988255	-0.180608865
## 108	-0.47780369	-0.761969287	-0.804092344
## 109	-0.92330607	-0.740824756	-0.782317717
## 110	-0.47763567	-0.294290943	-0.380991735
## 111	-1.07423836	-0.298949368	-0.384731367
## 112	-0.52273006	0.025741918	-0.139932295
## 113	-0.25928547	-0.812871604	-0.858085637
## 114	-0.35966854	-1.085778573	-1.192606855
## 115	0.16017611	-0.608389779	-0.652870647
## 116	-0.60695056	-0.953657221	-1.019196614
## 117	-0.37291189	-0.588129975	-0.633961462
## 118	-0.46731238	-0.175587578	-0.288283490
## 119	-0.67223859	0.147105024	-0.055621931
## 120	-0.35974985	-1.085779218	-1.192914046
## 121	-0.47793063	-0.761970293	-0.804571937
## 122	-0.25936678	-0.812872248	-0.858392828
## 123	-1.03299450	-0.995771006	-1.071955008
## 124	-0.29433768	-0.167195057	-0.282197468
## 125	-0.54842900	0.874139987	0.394129985
## 126	-0.81457265	-0.015768674	-0.170104433
## 127	-0.57766819	-0.191062413	-0.300447039

## 128	-0.81457061	-0.015768659	-0.170096722
## 129	-0.56543111	-0.336891121	-0.415740493
## 130	-0.72939643	-0.734181292	-0.776021502
## 131	-0.60703187	-0.953657865	-1.019503805
## 132	-0.25937012	-0.812872275	-0.858405429
## 133	-0.25936112	-0.812872203	-0.858371450
## 134	-0.29433564	-0.167195041	-0.282189757
## 135	-0.25935631	-0.812872165	-0.858353269
## 136	-0.54840444	0.874140181	0.394222769
## 137	-1.16332293	-0.030988872	-0.180902890
## 138	-0.47788152	-0.761969904	-0.804386369
## 139	-0.92338390	-0.740825373	-0.782611743
## 140	-0.47771349	-0.294291560	-0.381285761
## 141	-1.07431619	-0.298949985	-0.385025392
## 142	-0.52280789	0.025741301	-0.140226320
## 143	-0.25936330	-0.812872221	-0.858379663
## 144	-0.35974636	-1.085779190	-1.192900881
## 145	-0.60702838	-0.953657837	-1.019490639
## 146	-0.37298972	-0.588130592	-0.634255487
## 147	-0.46739020	-0.175588194	-0.288577516
## 148	1.22492655	-0.491592803	0.156681168
## 149	1.29475907	1.263741669	1.787656197
## 150	1.28676367	1.073788630	1.644312051
## 151	1.42298102	1.781469544	2.154696013
## 152	1.54288454	4.074981052	3.505438766
## 153	1.46002425	-0.397713577	0.270825911
## 154	1.07821853	-0.748615740	-0.187997431
## 155	2.06109353	0.978155254	1.570105969
## 156	1.92728627	1.303449061	1.816981235
## 157	1.34953179	3.433849239	3.161943163
## 158	1.30554977	-0.120088183	0.581528231
## 159	0.59848360	1.362310026	1.860066154
## 160	0.26946632	2.272220657	2.476336072
## 161	1.31112501	0.782130319	1.413298851
## 162	2.32419723	3.653293651	3.281917631
## 163	1.70708413	-0.763104041	-0.209164491
## 164	1.66948734	0.185891413	0.888464519
## 165	1.69048687	0.109190844	0.814418553
## 166	1.69260785	0.322997076	1.016638592
## 167	1.14470004	4.244509555	3.592887770
## 168	0.76049145	0.479743244	1.157261155
## 169	2.12100471	1.501034335	1.959863091
## 170	0.34162031	-0.620744116	-0.009817047
## 171	2.27961657	3.944414776	3.437212857
## 172	1.92337778	-0.169830952	0.528463116
## 173	1.74035760	-0.819738501	-0.294066547
## 174	0.37382230	-0.580106123	0.043893180
## 175	2.76230094	0.239132699	0.938893098
## 176	1.80739123	-0.492710527	0.155331912
## 177	0.37610375	-0.535628615	0.101268542
## 178	0.76045263	0.479742936	1.157114456
## 179	1.82422506	1.471671289	1.938798432
## 180	0.90169865	0.299122843	0.994544582
## 181	1.11376095	1.240130735	1.769977455

## 182	0.98327012	-0.012449423	0.693023085	
## 183	1.04106983	1.341354726	1.844639583	
## 184	1.22799925	-0.451402568	0.206058479	
## 185	4.16079178	0.142993019	0.847129659	
## 186	4.12926149	0.220903230	0.921549232	
## 187	1.72256329	-0.715645274	-0.140762004	
## 188	1.99296079	-0.044997477	0.659719439	
## 189	1.72249848	-0.715645788	-0.141006879	
## 190	1.48613690	-0.068027938	0.635677339	
## 191	1.92326461	-0.169831849	0.528035557	
## 192	0.37600917	-0.535629365	0.100911197	
## 193	1.85332281	1.121522534	1.680426276	
## 194	1.34514017	3.204192621	3.033081184	
## 195	0.81285287	1.424375298	1.904612347	
## 196	1.28666179	1.073787822	1.643927135	
## 197	0.81285695	1.424375331	1.904627770	
##	Skewness_hist.ADC	Kurtosis_hist.ADC	Energy_hist.ADC	Entropy_hist.ADC
## 1	0.76018725	-0.36453465	0.17139759	-0.8808510
## 2	-1.31321013	0.35555305	0.08084621	-0.6160912
## 3	1.40148544	0.88374208	0.05339560	-0.4708601
## 4	-0.33350219	-0.48274378	0.03164901	-0.3251680
## 5	-0.22841106	-0.29275847	0.06337764	-0.5427299
## 6	-0.92346653	-1.38209055	0.04876108	-0.4722479
## 7	-1.34966867	-0.41576169	0.09118476	-0.6718212
## 8	-1.78136035	-0.37942193	0.06801216	-0.5563836
## 9	-1.64815210	0.43094258	0.16925858	-0.8741919
## 10	1.02482300	0.25689015	0.06230814	-0.5432609
## 11	-0.74359723	0.07833525	0.05767362	-0.5055701
## 12	0.07600374	-0.60702021	0.03699653	-0.3717819
## 13	1.72907679	2.97782686	0.06088213	-0.4821678
## 14	-0.09055679	-0.08452149	0.05161309	-0.4686710
## 15	0.55347278	-0.43276150	0.03557052	-0.3377356
## 16	-1.27999175	0.44735202	0.05339560	-0.4705657
## 17	-0.61638730	0.22086335	0.08690674	-0.6338939
## 18	-0.39657828	-0.29112251	0.03236201	-0.3247987
## 19	0.50239333	-0.52479519	0.03949204	-0.3746420
## 20	-0.84882224	-0.40209783	0.02416248	-0.2421016
## 21	-0.01999618	-0.49876912	0.03200551	-0.3243522
## 22	0.42410720	-0.62126021	0.30259014	-1.0862218
## 23	1.43340508	1.81868887	0.08512423	-0.6112037
## 24	-0.32649968	-0.64159597	0.03236201	-0.3296477
## 25	-0.91428160	-1.02187955	0.07300318	-0.5775195
## 26	-0.61610613	-0.41401903	0.02879700	-0.2902481
## 27	-0.31564111	-1.33018779	0.06337764	-0.5463237
## 28	0.14987146	-0.99029832	0.07514219	-0.5907146
## 29	-0.48296482	-1.26598684	0.07442919	-0.5990874
## 30	1.19126303	1.86813057	0.08334172	-0.6069823
## 31	0.46201177	-0.43279706	0.40276706	-1.1792926
## 32	0.89481475	0.80974668	0.03770953	-0.3530113
## 33	-0.50920747	-0.35772050	0.02166697	-0.2177242
## 34	-0.69984162	-1.13000971	0.10223630	-0.7088434
## 35	-0.67998557	-0.92691535	0.06765566	-0.5617925
## 36	-0.54448778	-1.03688775	0.03343152	-0.3431711
## 37	-0.65528266	-0.59414587	0.02380598	-0.2411506

## 38	-0.31432898	-1.32890747	0.16212855	-0.8618367
## 39	0.52374896	0.37078175	0.03450102	-0.3264641
## 40	0.70870612	1.24607984	0.07442919	-0.5671193
## 41	-0.83612937	-0.24895729	0.02737099	-0.2645456
## 42	0.22945632	-0.83959750	0.07835070	-0.5988099
## 43	-0.73647422	-0.37876043	0.02273647	-0.2306394
## 44	0.46063269	-0.43352969	0.36604740	-1.1795412
## 45	0.51587616	-0.38952224	0.84340290	-1.1393886
## 46	0.38446205	-0.14298234	0.54821966	-0.5700542
## 47	-0.40171970	-0.50743974	0.55855821	-0.6301987
## 48	-0.03547399	-0.67829137	0.52825558	-0.4661802
## 49	0.30419434	-0.84463343	0.81167426	-1.1172365
## 50	-0.22613491	-0.87024695	0.50793500	-0.3241833
## 51	-0.19772322	-0.81877096	0.50864800	-0.3322833
## 52	-0.40545526	-0.58849113	0.50330048	-0.2813274
## 53	-0.57812122	-0.57176872	0.49474444	-0.1721144
## 54	0.33142778	-0.44864458	0.56354923	-0.6304787
## 55	0.63001832	-0.23415537	0.83769887	-1.1350779
## 56	-0.48333971	-0.66918687	0.73787846	-1.0198623
## 57	-1.10886553	-0.67713197	0.52255156	-0.4342096
## 58	0.42196495	-0.74496761	0.51114351	-0.3324112
## 59	0.66389277	-0.17173975	0.91577270	-1.2091199
## 60	1.29028888	2.18006639	0.51399552	-0.3298359
## 61	-0.64797221	-0.60325037	0.50044847	-0.2343105
## 62	0.48119837	0.05225940	0.52469057	-0.4335821
## 63	-0.17579186	-0.84227195	0.50508298	-0.2911170
## 64	0.70435466	1.99966926	0.55356719	-0.5662890
## 65	0.32158679	-0.62813127	0.55499319	-0.5995557
## 66	0.23308477	-0.65086406	0.54608066	-0.5563184
## 67	-0.26166961	-0.72145950	0.52112555	-0.4213162
## 68	-0.59740154	-0.74627638	0.49652695	-0.1901489
## 69	0.69064421	0.73373122	0.57780929	-0.6807926
## 70	-0.96637863	0.14618512	0.72361840	-1.0054748
## 71	-0.28039428	0.04944340	0.68008957	-0.5999930
## 72	0.09825376	-0.21489579	0.61602625	-0.1621581
## 73	0.07160408	-0.21987340	0.68796825	-0.6461854
## 74	0.32556603	0.76769029	0.67370819	-0.5636826
## 75	-0.40800857	0.07384631	0.67570460	-0.5802722
## 76	-0.98683987	-0.70774941	0.76055195	-0.8647267
## 77	0.44452961	0.01703138	0.78126469	-0.8894461
## 78	-0.34087289	0.03165335	0.67235348	-0.5684111
## 79	0.67497895	0.72540914	0.16070255	-0.6836165
## 80	-0.95761679	-0.77047016	0.11421475	-0.3605678
## 81	-0.76582985	-0.25628997	0.11275310	-0.3388116
## 82	0.95184298	1.29934828	0.12059613	-0.3860805
## 83	-0.07748098	0.16129290	0.13970461	-0.5608990
## 84	0.75405637	-0.04416793	0.17064894	-0.6608483
## 85	0.10161443	-0.23982790	0.15588978	-0.5883879
## 86	-2.50714918	1.28601374	0.14369743	-0.5087939
## 87	-2.57133390	1.43667828	0.14070281	-0.7385725
## 88	0.06392944	0.68916327	0.14872410	-0.5412812
## 89	-1.17135920	-0.88080675	0.17214624	-0.6632880
## 90	0.03778051	0.67527179	-0.54752331	-0.5459950
## 91	0.12013157	-0.11571863	-0.57486697	-0.4092190

## 92	0.02594721	-0.24412835	-0.52770183	-0.6544158
## 93	-0.37903185	0.01138161	-0.34367576	-0.5752898
## 94	-0.11541233	-0.09772444	-0.61008932	-0.4731514
## 95	-0.99645191	-0.54605918	-0.58663152	-0.5672552
## 96	0.52862527	-0.44596516	-0.62598929	-0.5835757
## 97	-0.23882779	-0.84060824	-0.58588287	-0.3396926
## 98	0.53027213	-0.44509027	-0.58213960	-0.5832788
## 99	0.48561677	0.05460665	0.64233606	-0.4327856
## 100	-0.10362992	0.14740142	-0.55654280	-0.5656127
## 101	0.07546549	-0.25371937	-0.54035763	-0.5931017
## 102	0.02325600	-0.24555804	-0.59935863	-0.6549009
## 103	0.03051290	-0.24170286	-0.40613482	-0.6535928
## 104	-0.11376547	-0.09684955	-0.56623964	-0.4728545
## 105	0.03439574	-0.23964012	-0.30274939	-0.6528928
## 106	-0.97663603	-0.53553210	-0.05900932	-0.3223231
## 107	0.52004151	-0.19907744	0.48472675	-0.4389866
## 108	0.15976333	-0.09466447	0.48037743	-0.4020747
## 109	-0.95182467	-0.33484403	0.50034151	-0.5245178
## 110	-0.40898597	-0.41638051	0.47171445	-0.8308987
## 111	1.07832589	0.78118060	0.48226689	-0.3913137
## 112	-0.45479681	-1.16830623	0.50002066	-0.5358101
## 113	0.02875892	-0.24263465	-0.45283651	-0.6539090
## 114	0.04059222	0.67676550	-0.47265800	-0.5454881
## 115	-1.02968502	-0.73051066	-0.38025281	-0.8724502
## 116	0.07827721	-0.25222567	-0.46549232	-0.5925948
## 117	-0.63677891	0.21003042	-0.45604503	-0.6375699
## 118	-0.76398884	0.06750232	-0.48527815	-0.5092460
## 119	0.34616919	-0.16332520	-0.47137459	-0.5769571
## 120	-0.02501442	0.64191234	-2.21951529	-0.5573148
## 121	0.05733664	-0.14907808	-2.24685896	-0.4205387
## 122	-0.03684771	-0.27748781	-2.19969381	-0.6657356
## 123	-0.44182678	-0.02197784	-2.01566774	-0.5866096
## 124	-0.17820726	-0.13108389	-2.28208130	-0.4844711
## 125	-1.05924683	-0.57941863	-2.25862350	-0.5785750
## 126	0.46583035	-0.47932462	-2.29798127	-0.5948955
## 127	-0.30162272	-0.87396770	-2.25787485	-0.3510124
## 128	0.46747721	-0.47844973	-2.25413159	-0.5945986
## 129	0.42282185	0.02124719	-1.02965592	-0.4441054
## 130	-0.16642484	0.11404196	-2.22853478	-0.5769325
## 131	0.01267057	-0.28707883	-2.21234961	-0.6044215
## 132	-0.03953892	-0.27891750	-2.27135061	-0.6662207
## 133	-0.03228203	-0.27506231	-2.07812680	-0.6649126
## 134	-0.17656040	-0.13020901	-2.23823162	-0.4841743
## 135	-0.02839919	-0.27299958	-1.97474137	-0.6642126
## 136	-1.03943095	-0.56889156	-1.73100130	-0.3336429
## 137	0.45724659	-0.23243689	-1.18726523	-0.4503064
## 138	0.09696841	-0.12802393	-1.19161455	-0.4133945
## 139	-1.01461959	-0.36820348	-1.17165047	-0.5358376
## 140	-0.47178090	-0.44973997	-1.20027754	-0.8422185
## 141	1.01553096	0.74782114	-1.18972509	-0.4026335
## 142	-0.51759173	-1.20166568	-1.17197132	-0.5471299
## 143	-0.03403600	-0.27599410	-2.12482850	-0.6652287
## 144	-0.02220271	0.64340604	-2.14464998	-0.5568079
## 145	0.01548228	-0.28558512	-2.13748430	-0.6039146

## 146	-0.69957384	0.17667097	-2.12803701	-0.6488896
## 147	-0.82678377	0.03414286	-2.15727013	-0.5205658
## 148	1.26412656	-1.04037307	1.72182256	0.5113590
## 149	0.20346806	-1.09160010	1.11434403	2.0974655
## 150	0.26029144	-0.98864812	1.11577003	2.0812655
## 151	-0.15517263	-0.52808846	1.10507499	2.1831773
## 152	-0.50050455	-0.49464365	1.08796292	2.4016032
## 153	1.31859346	-0.24839538	1.22557249	1.4848747
## 154	1.91577454	0.18058306	1.77387178	0.4756763
## 155	-0.31094154	-0.68947995	1.57423095	0.7061075
## 156	-1.56199318	-0.70537014	1.14357715	1.8774128
## 157	1.49966778	-0.84104142	1.12076105	2.0810096
## 158	1.98352343	0.30541429	1.93001943	0.3275924
## 159	3.23631566	5.00902657	1.12646508	2.0861602
## 160	-0.64020652	-0.55760696	1.09937097	2.2772111
## 161	1.61813463	0.75341259	1.14785517	1.8786679
## 162	0.30415417	-1.03565011	1.10864000	2.1635982
## 163	2.06444721	4.64823231	1.20560841	1.6132540
## 164	1.29891147	-0.60736874	1.20846042	1.5467208
## 165	1.12190744	-0.65283433	1.19063535	1.6331952
## 166	0.13239867	-0.79402521	1.14072514	1.9031997
## 167	-0.53906519	-0.84365896	1.09152793	2.3655344
## 168	2.03702632	2.11635623	1.25409261	1.3842469
## 169	-1.27701936	0.94126403	1.54571083	0.7348824
## 170	0.09494933	0.74778060	1.45865317	1.5458461
## 171	0.85224541	0.21910220	1.33052653	2.4215159
## 172	0.79894604	0.20914700	1.47441053	1.4534612
## 173	1.30686996	2.18427438	1.44589041	1.6184669
## 174	-0.16027924	0.79658641	1.44988323	1.5852877
## 175	-1.31794184	-0.76660502	1.61957794	1.0163786
## 176	1.54479712	0.68295656	1.66100341	0.9669399
## 177	-0.02600789	0.71220050	1.44318100	1.6090100
## 178	2.00569580	2.09971206	0.41987913	1.3785991
## 179	-1.25949570	-0.89204654	0.32690354	2.0246965
## 180	-0.87592180	0.13631385	0.32398023	2.0682088
## 181	2.55942386	3.24759035	0.33966629	1.9736711
## 182	0.50077592	0.97147959	0.37788325	1.6240341
## 183	2.16385064	0.56055794	0.43977191	1.4241355
## 184	0.85896674	0.16923800	0.41025359	1.5690562
## 185	-4.35856048	3.22092128	0.38586889	1.7282442
## 186	-4.48692990	3.52225035	0.37987966	1.2686871
## 187	0.78359677	2.02722033	0.39592223	1.6632696
## 188	-1.68698052	-1.11271970	0.44276652	1.4192562
## 189	0.73129890	1.99943738	-0.99657259	1.6538421
## 190	0.89600102	0.41745654	-1.05125991	1.9273941
## 191	0.70763231	0.16063709	-0.95692962	1.4370005
## 192	-0.10232582	0.67165702	-0.58887748	1.5952525
## 193	0.42491323	0.45344492	-1.12170461	1.7995294
## 194	-1.33716592	-0.44322456	-1.07478901	1.6113217
## 195	1.71298844	-0.24303652	-1.15350454	1.5786807
## 196	0.17808231	-1.03232270	-1.07329171	2.0664469
## 197	1.71628216	-0.24128675	-1.06580517	1.5792744
##	AUC_hist.ADC	Volume.ADC	X3D_surface.ADC	ratio_3ds_vol.ADC
## 1	-0.55173115	-0.77171573	-0.833577815	0.407385650

## 2	-0.68114421	-0.83529619	-0.726369521	-0.203513645
## 3	-0.37092146	-0.51840678	-0.562295960	-0.515162503
## 4	-0.55824276	0.05016931	-0.077196412	-0.527824722
## 5	-0.62745417	-0.48828960	-0.559407232	-0.479391735
## 6	-0.68523956	-0.73987664	-0.520850758	-0.057845370
## 7	-0.63429340	-0.47639654	-0.747613673	0.240191604
## 8	-0.77992404	-0.19343394	-0.441716679	-0.162414193
## 9	-0.64076406	-0.75160863	-0.878016863	0.346448723
## 10	-0.49980212	-0.68558757	-0.709233230	-0.299166155
## 11	-0.63294194	-0.53211520	-0.551704323	-0.240708912
## 12	-0.49288098	-0.13346956	-0.268690406	-0.620311678
## 13	-0.04251536	0.52295323	0.178784854	-0.621947215
## 14	-0.53227824	-0.32069220	-0.371467670	-0.014582789
## 15	-0.05918344	1.05181195	1.667362287	-0.630546971
## 16	-0.65718641	-0.46761907	-0.451165364	-0.499334730
## 17	-0.64608801	-0.80470630	-0.742243583	-0.204990903
## 18	-0.57835093	0.80242131	0.321563592	-0.732530591
## 19	-0.27922658	-0.28801143	0.196784111	-0.754953270
## 20	-0.71296507	-0.53779055	0.614707575	-0.813357754
## 21	-0.40818914	-0.70251906	0.198600713	-0.724247390
## 22	-0.59727144	-1.02566078	-0.981265280	0.581702195
## 23	-0.37636828	-0.49811384	-0.375632832	-0.251893872
## 24	-0.52568473	0.15473711	0.019272229	-0.560271657
## 25	-0.64920048	-0.94430646	-0.702985465	0.082758017
## 26	-0.66873530	-0.40873664	0.638936725	-0.728309852
## 27	-0.60329161	-0.75389691	-0.686164989	-0.206151607
## 28	-0.51487301	-0.45200558	-0.684932464	-0.250891446
## 29	-0.59358563	-0.74734581	-0.684274532	-0.018803529
## 30	-0.41400454	-0.32692184	-0.314785877	-0.258066704
## 31	-0.54951966	-0.83548717	-0.994151112	0.739452337
## 32	-0.30457680	0.16258348	0.181180177	-0.779011486
## 33	-0.63584964	-0.20307226	0.838005457	-0.797002389
## 34	-0.66668762	-0.73763625	-0.819024953	0.127761653
## 35	-0.65341869	-0.52613209	-0.635762268	-0.038271690
## 36	-0.56921830	-0.39241233	-0.079547124	-0.511469356
## 37	-0.65513873	-0.70348512	0.140742027	-0.743451755
## 38	-0.63261431	-0.98204977	-0.836919464	0.220459646
## 39	-0.36477844	-0.19771661	0.308433930	-0.882525124
## 40	-0.42428387	-0.84079282	-0.448812633	-0.287875677
## 41	-0.67618883	-0.68759788	0.842048595	-1.028087880
## 42	-0.45626855	-0.80052508	-0.460474858	-0.353138863
## 43	-0.69760751	0.09343788	0.419240257	-0.887062419
## 44	-0.55373787	-0.83548719	-0.994151205	0.734018134
## 45	-0.50655945	-1.00882059	-0.978633310	0.991958082
## 46	-0.44643971	0.44420534	-0.494108416	-0.194491814
## 47	-0.59051412	-0.45478930	-0.739464852	0.186166137
## 48	-0.46736695	0.70883673	-0.422611997	-0.440560931
## 49	-0.53915843	-0.94158987	-0.977162848	1.013114539
## 50	-0.42420196	-0.57919644	0.026666473	-0.814307421
## 51	-0.43783948	-0.55546457	0.070882552	-0.793256482
## 52	-0.48853991	-0.83139350	0.329075777	-0.833300749
## 53	-0.59825433	0.79228737	1.070632038	-0.819688864
## 54	-0.45540853	-0.84837126	-0.626087258	0.013221333
## 55	-0.52380087	-0.36233039	-0.976297501	1.050995677

## 56	-0.52957531	-0.93096141	-0.947445274	1.210223077
## 57	-0.62438266	-0.31033135	-0.613084800	-0.273841718
## 58	-0.23511966	-0.07730749	0.286284546	-0.710477227
## 59	-0.53317922	-0.39573507	-0.991842767	1.307458365
## 60	-0.12049082	-0.46946983	1.510148269	-1.049297097
## 61	-0.68925300	0.40593863	0.983462703	-0.734957517
## 62	-0.34569411	-0.29294042	-0.289900227	-0.501761655
## 63	-0.48485409	0.43873438	0.268462505	-0.539484515
## 64	-0.37427965	0.70486418	-0.087324221	-0.640571228
## 65	-0.47625386	-0.85685478	-0.652314267	-0.045341429
## 66	-0.45033029	0.13849264	-0.565045085	-0.145425716
## 67	-0.48878563	-0.05131962	-0.221070619	-0.527508166
## 68	-0.59637047	0.84951707	0.622837910	-0.740497237
## 69	-0.47178993	-0.61247935	-0.590200845	0.082758017
## 70	-0.58375679	-0.95137706	-0.952024716	1.019603926
## 71	-0.54087848	-0.55480764	-0.556305530	-0.283480832
## 72	-0.34808989	-0.58567705	1.527363001	-0.988755864
## 73	-0.51814929	-0.96445443	-0.722469181	-0.009037793
## 74	-0.36207551	-0.72243037	-0.085805894	-0.665072621
## 75	-0.53699199	-0.89019510	-0.526809191	-0.314091746
## 76	-0.54132077	-0.96468604	-0.936392584	0.993999865
## 77	-0.53288845	-0.91939544	-0.886748532	0.542291039
## 78	-0.51481977	-0.19664339	-0.461204830	-0.270665611
## 79	-0.51970552	-0.61247961	-0.590201897	0.021029701
## 80	-0.68969120	-0.71312740	-0.409759658	-0.483776028
## 81	-0.65255047	-0.57981284	0.040497500	-0.488482153
## 82	-0.33544754	-0.51052906	0.057163767	-0.801998689
## 83	-0.51429556	-0.95285900	-0.540858213	-0.329581860
## 84	-0.49123465	-0.27813294	-0.663730640	-0.311437956
## 85	-0.53935501	-0.81146604	-0.735673460	-0.238329470
## 86	-0.97029638	-0.92864954	-0.447709530	-0.326294959
## 87	-0.96865004	-0.36566326	-0.424276976	-0.336166214
## 88	-0.49195543	-0.20726120	-0.009662712	-0.744111246
## 89	-0.68339255	-0.32157799	-0.827350270	0.152716776
## 90	-0.57193761	0.01562189	-0.009664469	-0.847150051
## 91	-0.44263104	0.45588475	0.614550754	-1.065457254
## 92	-0.65780071	0.99691981	-0.722472247	-0.188946817
## 93	-0.63153723	-0.19664403	-0.461207393	-0.421029459
## 94	-0.60828793	0.30338125	-0.371469339	-0.112493396
## 95	-0.74466308	-0.80173526	-0.293339655	-0.744021555
## 96	-0.13520132	2.05478739	1.667360618	-0.728478681
## 97	-0.56356262	-0.33258173	0.070879791	-0.955253743
## 98	-0.13016404	2.05478742	1.667360729	-0.721989294
## 99	-0.33217945	-0.29294035	-0.289899930	-0.484351104
## 100	-0.59427774	-0.95285943	-0.540859969	-0.432620665
## 101	-0.61933719	-0.81146648	-0.735675216	-0.341368275
## 102	-0.66603237	0.99691977	-0.722472428	-0.199551425
## 103	-0.64383557	0.99691989	-0.722471941	-0.170955915
## 104	-0.60325065	0.30338128	-0.371469228	-0.106004008
## 105	-0.63195906	0.99691996	-0.722471680	-0.155655734
## 106	-0.68405190	-0.57885141	-0.293338324	-0.665937873
## 107	-0.38128270	0.56989626	-0.433098395	-0.421335462
## 108	-0.32140868	-0.16818845	0.614553416	-0.909289889
## 109	-0.59642780	-0.62531402	-0.520105265	-0.365067728

## 110	-0.44905664	1.32184867	0.380606201	-0.808583043
## 111	-0.04958803	0.47130721	0.308828370	-0.885310812
## 112	-0.50164503	-0.65956556	-0.646190864	-0.191748333
## 113	-0.64920048	0.99691986	-0.722472059	-0.177867376
## 114	-0.56333737	-0.20726159	-0.009664280	-0.836070609
## 115	-0.67237197	-0.96468676	-0.936395461	0.825170281
## 116	-0.61073695	-0.81146643	-0.735675027	-0.330288834
## 117	-0.70846019	-0.80470664	-0.742244952	-0.285343233
## 118	-0.69531412	-0.53211554	-0.551705693	-0.321061242
## 119	-0.56356671	0.44420470	-0.494110988	-0.345383254
## 120	-0.76400951	0.01562084	-0.009668686	-1.094590908
## 121	-0.63470294	0.45588371	0.614546537	-1.312898111
## 122	-0.84987262	0.99691877	-0.722476465	-0.436387675
## 123	-0.82360914	-0.19664507	-0.461211610	-0.668470317
## 124	-0.80035984	0.30338020	-0.371473556	-0.359934253
## 125	-0.93673498	-0.80173631	-0.293343873	-0.991462413
## 126	-0.32727322	2.05478634	1.667356400	-0.975919539
## 127	-0.75563452	-0.33258277	0.070875573	-1.202694601
## 128	-0.32223594	2.05478637	1.667356511	-0.969430152
## 129	-0.52425136	-0.29294140	-0.289904147	-0.731791962
## 130	-0.78634965	-0.95286048	-0.540864187	-0.680061523
## 131	-0.81140909	-0.81146752	-0.735679434	-0.588809133
## 132	-0.85810427	0.99691872	-0.722476646	-0.446992283
## 133	-0.83590747	0.99691885	-0.722476158	-0.418396772
## 134	-0.79532256	0.30338023	-0.371473446	-0.353444866
## 135	-0.82403096	0.99691891	-0.722475897	-0.403096591
## 136	-0.87612381	-0.57885245	-0.293342542	-0.913378731
## 137	-0.57335460	0.56989521	-0.433102612	-0.668776320
## 138	-0.51348059	-0.16818949	0.614549199	-1.156730747
## 139	-0.78849970	-0.62531507	-0.520109483	-0.612508586
## 140	-0.64112854	1.32184763	0.380601984	-1.056023901
## 141	-0.24165994	0.47130617	0.308824152	-1.132751670
## 142	-0.69371693	-0.65956661	-0.646195081	-0.439189191
## 143	-0.84127238	0.99691882	-0.722476276	-0.425308233
## 144	-0.75540928	-0.20726263	-0.009668497	-1.083511467
## 145	-0.80280886	-0.81146748	-0.735679245	-0.577729692
## 146	-0.90053209	-0.80470769	-0.742249170	-0.532784091
## 147	-0.88738602	-0.53211659	-0.551709910	-0.568502100
## 148	1.61556889	-0.78376272	-0.884971257	3.695974893
## 149	1.84548183	-0.05897584	1.122687386	0.041130973
## 150	1.81820680	-0.01151210	1.211119543	0.083232851
## 151	1.71680594	-0.56336996	1.727505994	0.003144317
## 152	1.49737710	2.68399178	3.210618514	0.030368087
## 153	1.78306870	-0.59732548	-0.182820078	1.696188481
## 154	1.64628402	0.37475625	-0.883240564	3.771737168
## 155	1.63473513	-0.76250578	-0.825536109	4.090191970
## 156	1.44512044	0.47875434	-0.156815160	1.122062379
## 157	2.22364643	0.94480204	1.641923530	0.248791361
## 158	1.62752731	0.30794689	-0.914331095	4.284662546
## 159	2.45290410	0.16047737	4.089650977	-0.428848379
## 160	1.31537976	1.91129430	3.036279846	0.199830781
## 161	2.00249754	0.51353618	0.489553986	0.666222505
## 162	1.72417757	1.97688579	1.606279450	0.590776785
## 163	1.94532646	2.50914540	0.894705997	0.388603359

## 164	1.74137804	-0.61429253	-0.235274094	1.579062957
## 165	1.79322517	1.37640232	-0.060735730	1.378894383
## 166	1.71631450	0.99677779	0.627213201	0.614729482
## 167	1.50114482	2.79845117	2.315030259	0.188751340
## 168	1.75030590	-0.12554166	-0.111047252	1.835261850
## 169	1.52637218	-0.80333708	-0.834694994	3.708953667
## 170	1.61212880	-0.01019824	-0.043256622	1.102784151
## 171	1.99770598	-0.07193706	4.124080442	-0.307765912
## 172	1.65758718	-0.82949182	-0.375583923	1.651670230
## 173	1.96973474	-0.34544370	0.897742651	0.339600573
## 174	1.61990177	-0.68097317	0.015736057	1.041562324
## 175	1.61124420	-0.82995505	-0.803430728	3.657745544
## 176	1.62810885	-0.73937385	-0.704142626	2.754327893
## 177	1.66424622	0.70613025	0.146944780	1.128414592
## 178	1.65447472	-0.12554218	-0.111049356	1.711805217
## 179	1.31450335	-0.32683776	0.249835123	0.702193758
## 180	1.38878480	-0.06020864	1.150349440	0.692781509
## 181	2.02299067	0.07835892	1.183681974	0.065748437
## 182	1.66529463	-0.80630096	-0.012361986	1.010582095
## 183	1.71141646	0.54315116	-0.258106841	1.046869904
## 184	1.61517574	-0.52351505	-0.401992481	1.193086875
## 185	0.75329300	-0.75788204	0.173935380	1.017155897
## 186	0.75658566	0.36809052	0.220800487	0.997413388
## 187	1.70997490	0.68489463	1.050029014	0.181523324
## 188	1.32710065	0.45626106	-0.585346101	1.975179367
## 189	1.55001053	1.13066081	1.050025502	-0.024554286
## 190	1.80862368	2.01118654	2.298455948	-0.461168692
## 191	1.37828433	3.09325666	-0.375590056	1.291852181
## 192	1.43081128	0.70612898	0.146939654	0.827686897
## 193	1.47730989	1.70617953	0.326415761	1.444759024
## 194	1.20455959	-0.50405349	0.482675129	0.181702705
## 195	2.42348311	5.20899181	4.404075675	0.212788452
## 196	1.56676051	0.43425358	1.211114021	-0.240761671
## 197	2.43355767	5.20899187	4.404075896	0.225767226
##	ratio_3ds_vol_norm.ADC	irregularity.ADC	Compactness_v1.ADC	
## 1	-0.51023496	-0.31094495	-0.159269319	
## 2	-0.73090927	-0.53072823	-0.015731983	
## 3	-0.78875294	-0.75488376	0.029338740	
## 4	-0.34013535	-0.68415161	-0.247114169	
## 5	-0.74651165	-0.71144439	-0.003961922	
## 6	-0.25914021	-0.57101464	-0.283572652	
## 7	-0.40674661	-0.26115040	-0.214674731	
## 8	-0.25957439	-0.42145856	-0.283285578	
## 9	-0.69328987	-0.26915595	-0.043004077	
## 10	-0.78593779	-0.50972904	0.027042143	
## 11	-0.48691542	-0.53763764	-0.172474754	
## 12	-0.61819114	-0.58212389	-0.093816294	
## 13	-0.29722179	-0.56979533	-0.266635247	
## 14	-0.01308752	-0.58484578	-0.377158995	
## 15	0.38852683	-0.63412305	-0.490553491	
## 16	-0.64361154	-0.40957339	-0.077165963	
## 17	-0.76219807	-0.56442545	0.008095214	
## 18	-0.38764279	-0.67220486	-0.224148195	
## 19	-0.49286785	-0.55643221	-0.169029858	

## 20	-0.38150828	-0.69358585	-0.227306017
## 21	-0.44324555	-0.78003352	-0.196014877
## 22	-1.02235453	-0.33215351	0.251821611
## 23	-0.27808996	-0.37746495	-0.275247487
## 24	-0.31355247	-0.71132123	-0.259458380
## 25	-0.43893178	-0.39298342	-0.198311475
## 26	-0.22009223	-0.72151907	-0.299935909
## 27	-0.66125876	-0.34731480	-0.065395902
## 28	-0.70020870	-0.37817930	-0.038123808
## 29	-0.49023478	-0.39746653	-0.170465232
## 30	-0.21792134	-0.29957706	-0.300797133
## 31	-1.03418938	-0.17204241	0.265314120
## 32	-0.54009518	-0.45802547	-0.142044839
## 33	-0.25514857	-0.72429023	-0.285295100
## 34	-0.66872382	-0.49971594	-0.060228558
## 35	-0.42107447	-0.47459081	-0.207497864
## 36	-0.31975701	-0.58578181	-0.256587633
## 37	-0.50709768	-0.74618850	-0.160991767
## 38	-0.65075447	-0.38693614	-0.072285694
## 39	-0.64561436	-0.78568668	-0.075730590
## 40	-0.40365134	-0.44575850	-0.216397179
## 41	-0.70429838	-0.78693062	-0.035253061
## 42	-0.48918435	-0.55159193	-0.171039381
## 43	-0.60135625	-0.72882260	-0.104725132
## 44	-1.03563197	-0.17331099	0.235745429
## 45	-0.82560202	-0.10888474	0.459663673
## 46	-0.41662065	-0.35559132	0.183784914
## 47	-0.46926820	-0.54715809	0.211918231
## 48	-0.60827508	-0.56218390	0.295744036
## 49	-0.80603601	0.05961371	0.442726268
## 50	-0.77745031	-0.69517464	0.418899070
## 51	-0.71903241	-0.57897093	0.373254197
## 52	-0.65405982	-0.65565183	0.326461025
## 53	-0.32601758	-0.73596602	0.139001265
## 54	-0.40355330	-0.40771364	0.176895121
## 55	-0.78263243	-0.21715680	0.423205190
## 56	-0.52838639	-0.01494879	0.245793043
## 57	-0.65952205	-0.53048190	0.330192996
## 58	-0.46725137	-0.49041718	0.211057007
## 59	-0.78088172	0.08694345	0.421769817
## 60	-0.69595096	-0.72195014	0.356316791
## 61	-0.19324324	-0.71916667	0.080438032
## 62	-0.55594967	-0.65949450	0.262443374
## 63	-0.20509209	-0.75334423	0.085318301
## 64	-0.58543173	-0.58293676	0.280816153
## 65	-0.50184553	-0.45078352	0.230291010
## 66	-0.46201323	-0.44711328	0.207899186
## 67	-0.53051526	-0.56086606	0.247228416
## 68	-0.35499543	-0.76589448	0.152780849
## 69	-0.27935048	-0.28770421	0.117470664
## 70	-0.65030628	0.06489738	0.323877353
## 71	-0.60504956	-0.51255315	0.394239356
## 72	-0.58568524	-0.80197490	0.381722900
## 73	-0.60779609	-0.46194327	0.396047926

## 74	-0.64120816	-0.58580521	0.418468458
## 75	-0.59989125	-0.55308343	0.390880582
## 76	-0.58439671	-0.15107895	0.380890383
## 77	-0.63184953	-0.33726106	0.412095400
## 78	-0.47319680	-0.53291189	0.314461304
## 79	-0.29573718	-0.30211421	-0.218406702
## 80	-0.59209006	-0.62512111	-0.045415505
## 81	-0.21021118	-0.95123416	-0.239592813
## 82	-0.66290304	-0.51351875	0.001090592
## 83	-0.57298624	-0.72741978	-0.057300396
## 84	-0.73036865	-0.49649278	0.049433967
## 85	-0.78596160	-0.58699619	0.092581290
## 86	-0.45424565	-0.76850676	-0.125308386
## 87	-0.43815586	-0.77517723	-0.133834503
## 88	-0.61499783	-0.61528536	-0.030832111
## 89	-0.67806284	-0.46520707	0.011597525
## 90	-0.64235103	-0.63933897	-0.591488945
## 91	-0.70360789	-0.79484380	-0.550322438
## 92	-0.65555563	-0.50394164	-0.582876705
## 93	-0.51311314	-0.56801317	-0.503701511
## 94	-0.03908496	-0.60770595	-0.909969587
## 95	-0.70539923	-0.63429301	-0.549088016
## 96	0.36253640	-0.65698445	-1.023277960
## 97	-0.76203140	-0.61678178	-0.508007631
## 98	0.36425910	-0.65546955	-0.987967775
## 99	-0.55132778	-0.65543014	0.357178015
## 100	-0.60033943	-0.75147340	-0.617957230
## 101	-0.81331479	-0.61104981	-0.468075544
## 102	-0.65837078	-0.50641720	-0.640578714
## 103	-0.65077968	-0.49974180	-0.484984242
## 104	-0.03736225	-0.60619105	-0.874659402
## 105	-0.64671801	-0.49617009	-0.401732587
## 106	-0.68467074	-0.61606498	-0.124217502
## 107	-0.59164748	-0.51663106	0.252309638
## 108	-0.66215093	-0.75838773	0.299418591
## 109	-0.62741251	-0.78695279	0.275677516
## 110	-0.57796108	-0.64841850	0.243639983
## 111	-0.74637019	-0.76260728	0.361484135
## 112	-0.62504835	-0.37150882	0.274098605
## 113	-0.65261443	-0.50135523	-0.522591024
## 114	-0.63940982	-0.63675256	-0.531203264
## 115	-0.62921505	-0.19049091	-0.537748567
## 116	-0.81037358	-0.60846340	-0.407789863
## 117	-0.78352880	-0.58318308	-0.429119511
## 118	-0.50824615	-0.55639527	-0.609689480
## 119	-0.45667704	-0.39081576	-0.637248648
## 120	-0.70803791	-0.69710213	-1.937869157
## 121	-0.76929477	-0.85260696	-1.896702649
## 122	-0.72124251	-0.56170480	-1.929256917
## 123	-0.57880002	-0.62577633	-1.850081722
## 124	-0.10477184	-0.66546911	-2.256349798
## 125	-0.77108611	-0.69205617	-1.895468228
## 126	0.29684952	-0.71474761	-2.369658171
## 127	-0.82771828	-0.67454494	-1.854387842

## 128	0.29857222	-0.71323271	-2.334347986
## 129	-0.61701466	-0.71319330	-0.989202196
## 130	-0.66602631	-0.80923656	-1.964337442
## 131	-0.87900167	-0.66881296	-1.814455755
## 132	-0.72405766	-0.56418036	-1.986958926
## 133	-0.71646656	-0.55750496	-1.831364454
## 134	-0.10304913	-0.66395421	-2.221039613
## 135	-0.71240489	-0.55393325	-1.748112799
## 136	-0.75035763	-0.67382814	-1.470597713
## 137	-0.65733436	-0.57439422	-1.094070574
## 138	-0.72783781	-0.81615089	-1.046961620
## 139	-0.69309939	-0.84471594	-1.070702695
## 140	-0.64364796	-0.70618166	-1.102740229
## 141	-0.81205707	-0.82037044	-0.984896076
## 142	-0.69073523	-0.42927198	-1.072281606
## 143	-0.71830131	-0.55911839	-1.868971236
## 144	-0.70509670	-0.69451572	-1.877583476
## 145	-0.87606047	-0.66622655	-1.754170074
## 146	-0.84921568	-0.64094624	-1.775499722
## 147	-0.57393303	-0.61415842	-1.956069691
## 148	1.03770649	2.81921472	1.926041097
## 149	1.09487789	1.30963801	1.878386702
## 150	1.21171370	1.54204543	1.787096956
## 151	1.34165888	1.38868363	1.693510613
## 152	1.99774336	1.22805525	1.318591092
## 153	1.84267190	1.88456002	1.394378805
## 154	1.08451365	2.26567370	1.886998942
## 155	1.59300573	2.67008971	1.532174648
## 156	1.33073441	1.63902349	1.700974555
## 157	1.71527577	1.71915294	1.462702577
## 158	1.08801508	2.87387419	1.884128195
## 159	1.25787659	1.25608701	1.753222145
## 160	2.26329203	1.26165395	1.201464625
## 161	1.53787917	1.38099830	1.565475309
## 162	2.23959433	1.19329883	1.211225164
## 163	1.47891504	1.53411377	1.602220868
## 164	1.64608746	1.79842025	1.501170583
## 165	1.72575206	1.80576073	1.456386934
## 166	1.58874799	1.57825517	1.535045394
## 167	1.93978764	1.16819833	1.346150260
## 168	2.09107756	2.12457888	1.275529891
## 169	1.34916595	2.82978205	1.688343269
## 170	1.43967939	1.67488099	1.829067273
## 171	1.47840804	1.09603749	1.804034362
## 172	1.43418634	1.77610076	1.832684414
## 173	1.36736219	1.52837687	1.877525478
## 174	1.44999601	1.59382044	1.822349726
## 175	1.48098509	2.39782940	1.802369329
## 176	1.38607945	2.02546518	1.864779362
## 177	1.70338490	1.63416351	1.669511171
## 178	2.05830414	2.09575888	0.603775159
## 179	1.46559840	1.44974508	0.949757553
## 180	2.22935614	0.79751897	0.561402937
## 181	1.32397244	1.67294980	1.042769747

## 182	1.50380603	1.24514773	0.925987770
## 183	1.18904122	1.70700174	1.139456496
## 184	1.07785532	1.52599491	1.225751143
## 185	1.74128721	1.16297378	0.789971791
## 186	1.77346678	1.14963283	0.772919555
## 187	1.41978285	1.46941657	0.978924340
## 188	1.29365283	1.76957316	1.063783613
## 189	1.36507646	1.42130935	-0.142389329
## 190	1.24256272	1.11029970	-0.060056313
## 191	1.33866725	1.69210402	-0.125164848
## 192	1.62355223	1.56396095	0.033185541
## 193	2.57160860	1.48457540	-0.779350611
## 194	1.23898006	1.43140127	-0.057587471
## 195	3.37485131	1.38601840	-1.005967357
## 196	1.12571571	1.46642373	0.024573300
## 197	3.37829672	1.38904819	-0.935346988
##	Compactness_v2.ADC	Spherical_disproportion.ADC	Sphericity.ADC
## 1	-0.565412948	-0.51023496	-0.57614524
## 2	0.016930016	-0.73090927	-0.33771171
## 3	0.218054516	-0.78875294	-0.26585027
## 4	-0.874412346	-0.34013535	-0.72876795
## 5	0.068812451	-0.74651165	-0.31877589
## 6	-0.992055232	-0.25914021	-0.79381249
## 7	-0.764509122	-0.40674661	-0.67177113
## 8	-0.991468085	-0.25957439	-0.79346533
## 9	-0.101353394	-0.69328987	-0.38217933
## 10	0.207699380	-0.78593779	-0.26944808
## 11	-0.613612371	-0.48691542	-0.59848951
## 12	-0.312085752	-0.61819114	-0.46597033
## 13	-0.938784996	-0.29722179	-0.76379921
## 14	-1.266893356	-0.01308752	-0.96685432
## 15	-1.545467868	0.38852683	-1.18900304
## 16	-0.244296974	-0.64361154	-0.43832403
## 17	0.122669834	-0.76219807	-0.29939823
## 18	-0.797389348	-0.38764279	-0.68846621
## 19	-0.601495794	-0.49286785	-0.59284032
## 20	-0.807691108	-0.38150828	-0.69376824
## 21	-0.698535162	-0.44324555	-0.63907528
## 22	1.354450640	-1.02235453	0.07647779
## 23	-0.965953884	-0.27808996	-0.77901099
## 24	-0.914818727	-0.31355247	-0.75063882
## 25	-0.706541711	-0.43893178	-0.64298868
## 26	-1.043243766	-0.22009223	-0.82360484
## 27	-0.195136766	-0.66125876	-0.41869390
## 28	-0.080269483	-0.70020870	-0.37413160
## 29	-0.606886870	-0.49023478	-0.59533354
## 30	-1.046019370	-0.21792134	-0.82524595
## 31	1.430406098	-1.03418938	0.09645508
## 32	-0.500506528	-0.54009518	-0.54682628
## 33	-0.997446308	-0.25514857	-0.79690534
## 34	-0.173839347	-0.66872382	-0.41029902
## 35	-0.739155052	-0.42107447	-0.65905257
## 36	-0.905584508	-0.31975701	-0.74555771
## 37	-0.572031695	-0.50709768	-0.57917497

## 38	-0.224600865	-0.65075447	-0.43043411
## 39	-0.238799144	-0.64561436	-0.43611485
## 40	-0.769900198	-0.40365134	-0.67451682
## 41	-0.067725890	-0.70429838	-0.36936609
## 42	-0.609021950	-0.48918435	-0.59634345
## 43	-0.355160983	-0.60135625	-0.48392780
## 44	1.424908268	-1.03563197	0.09320443
## 45	0.507784819	-0.82560202	-0.15027865
## 46	-0.641848799	-0.41662065	-0.60404401
## 47	-0.540058878	-0.46926820	-0.55528428
## 48	-0.217608479	-0.60827508	-0.41430710
## 49	0.427826088	-0.80603601	-0.17663100
## 50	0.317068833	-0.77745031	-0.21412393
## 51	0.110873519	-0.71903241	-0.28724775
## 52	-0.090731373	-0.65405982	-0.36349598
## 53	-0.795841416	-0.32601758	-0.68275390
## 54	-0.665601559	-0.40355330	-0.61578422
## 55	0.336658188	-0.78263243	-0.20740171
## 56	-0.413288526	-0.52838639	-0.49759315
## 57	-0.074825030	-0.65952205	-0.35727872
## 58	-0.544168906	-0.46725137	-0.55717786
## 59	0.329986065	-0.78088172	-0.20967401
## 60	0.036092356	-0.69595096	-0.31492561
## 61	-0.982180489	-0.19324324	-0.78750055
## 62	-0.349182761	-0.55594967	-0.46956813
## 63	-0.967181555	-0.20509209	-0.77863227
## 64	-0.276696808	-0.58543173	-0.43876587
## 65	-0.472003215	-0.50184553	-0.52388238
## 66	-0.554684173	-0.46201323	-0.56213273
## 67	-0.408484597	-0.53051526	-0.49544709
## 68	-0.749243303	-0.35499543	-0.65826358
## 69	-0.866138912	-0.27935048	-0.72090958
## 70	-0.101566902	-0.65030628	-0.36775654
## 71	-0.195382301	-0.60504956	-0.40189151
## 72	-0.245812881	-0.58568524	-0.42271460
## 73	-0.188074991	-0.60779609	-0.39890597
## 74	-0.095855564	-0.64120816	-0.36191484
## 75	-0.209004108	-0.59989125	-0.40747758
## 76	-0.249100904	-0.58439671	-0.42408745
## 77	-0.122314538	-0.63184953	-0.37240213
## 78	-0.504168190	-0.47319680	-0.53626640
## 79	-0.928589991	-0.29573718	-0.75783443
## 80	-0.358870684	-0.59209006	-0.48351121
## 81	-1.040121212	-0.21021118	-0.82177122
## 82	-0.169948165	-0.66290304	-0.40644874
## 83	-0.405490148	-0.57298624	-0.50339698
## 84	0.037005102	-0.73036865	-0.32771991
## 85	0.230870331	-0.78596160	-0.25854420
## 86	-0.660157106	-0.45424565	-0.61922423
## 87	-0.690544627	-0.43815586	-0.63395945
## 88	-0.300631050	-0.61499783	-0.45916921
## 89	-0.125906810	-0.67806284	-0.38922661
## 90	-0.404876312	-0.64235103	-0.52080531
## 91	-0.235473758	-0.70360789	-0.45292986

## 92	-0.370090528	-0.65555563	-0.50652454
## 93	-0.656292612	-0.51311314	-0.62621155
## 94	-1.365987738	-0.03908496	-1.02542597
## 95	-0.230194774	-0.70539923	-0.45088164
## 96	-1.644551575	0.36253640	-1.24758100
## 97	-0.053009854	-0.76203140	-0.38413603
## 98	-1.637986206	0.36425910	-1.24369916
## 99	-0.331568354	-0.55132778	-0.45915343
## 100	-0.509735410	-0.60033943	-0.56503307
## 101	0.126625069	-0.81331479	-0.32018030
## 102	-0.380819303	-0.65837078	-0.51286804
## 103	-0.351888974	-0.65077968	-0.49576268
## 104	-1.359422368	-0.03736225	-1.02154412
## 105	-0.336409647	-0.64671801	-0.48661037
## 106	-0.151196828	-0.68467074	-0.40417328
## 107	-0.270702572	-0.59164748	-0.43727941
## 108	-0.077477867	-0.66215093	-0.35951315
## 109	-0.176086519	-0.62741251	-0.39851463
## 110	-0.305184107	-0.57796108	-0.45175584
## 111	0.192897940	-0.74637019	-0.25898604
## 112	-0.182550472	-0.62504835	-0.40112146
## 113	-0.358881360	-0.65261443	-0.49989701
## 114	-0.393667144	-0.63940982	-0.51417777
## 115	-0.419907273	-0.62921505	-0.52507849
## 116	0.137834237	-0.81037358	-0.31355276
## 117	0.041376678	-0.78352880	-0.34746366
## 118	-0.694905527	-0.50824615	-0.64655493
## 119	-0.794506991	-0.45667704	-0.69430475
## 120	-0.655214397	-0.70803791	-0.66882030
## 121	-0.485811843	-0.76929477	-0.60094485
## 122	-0.620428612	-0.72124251	-0.65453953
## 123	-0.906630697	-0.57880002	-0.77422654
## 124	-1.616325823	-0.10477184	-1.17344096
## 125	-0.480532858	-0.77108611	-0.59889663
## 126	-1.894889660	0.29684952	-1.39559599
## 127	-0.303347939	-0.82771828	-0.53215102
## 128	-1.888324290	0.29857222	-1.39171415
## 129	-0.581906438	-0.61701466	-0.60716842
## 130	-0.760073495	-0.66602631	-0.71304806
## 131	-0.123713016	-0.87900167	-0.46819529
## 132	-0.631157387	-0.72405766	-0.66088303
## 133	-0.602227059	-0.71646656	-0.64377768
## 134	-1.609760453	-0.10304913	-1.16955911
## 135	-0.586747731	-0.71240489	-0.63462536
## 136	-0.401534913	-0.75035763	-0.55218827
## 137	-0.521040656	-0.65733436	-0.58529440
## 138	-0.327815951	-0.72783781	-0.50752814
## 139	-0.426424603	-0.69309939	-0.54652962
## 140	-0.555522192	-0.64364796	-0.59977083
## 141	-0.057440144	-0.81205707	-0.40700103
## 142	-0.432888557	-0.69073523	-0.54913645
## 143	-0.609219444	-0.71830131	-0.64791200
## 144	-0.644005229	-0.70509670	-0.66219276
## 145	-0.112503848	-0.87606047	-0.46156775

## 146	-0.208961407	-0.84921568	-0.49547865
## 147	-0.945243612	-0.57393303	-0.79456992
## 148	2.939320238	1.03770649	2.30023733
## 149	2.717805728	1.09487789	2.22525149
## 150	2.305415100	1.21171370	2.07900384
## 151	1.902205315	1.34165888	1.92650737
## 152	0.491985230	1.99774336	1.28799153
## 153	0.752464943	1.84267190	1.42193090
## 154	2.756984439	1.08451365	2.23869592
## 155	1.257091010	1.59300573	1.65831305
## 156	1.934018002	1.33073441	1.93894189
## 157	0.995330249	1.71527577	1.53914362
## 158	2.743640191	1.08801508	2.23415132
## 159	2.155852773	1.25787659	2.02364813
## 160	0.119307084	2.26329203	1.07849825
## 161	1.385302541	1.53787917	1.71436307
## 162	0.149304952	2.23959433	1.09623480
## 163	1.530274447	1.47891504	1.77596760
## 164	1.139661631	1.64608746	1.60573459
## 165	0.974299715	1.72575206	1.52923387
## 166	1.266698868	1.58874799	1.66260516
## 167	0.585181455	1.93978764	1.33697218
## 168	0.351390238	2.09107756	1.21168018
## 169	1.880534257	1.34916595	1.91798625
## 170	1.692903461	1.43967939	1.84971631
## 171	1.592042300	1.47840804	1.80807013
## 172	1.707518081	1.43418634	1.85568741
## 173	1.891956933	1.36736219	1.92966965
## 174	1.665659845	1.44999601	1.83854418
## 175	1.585466255	1.48098509	1.80532444
## 176	1.839038985	1.38607945	1.90869508
## 177	1.075331682	1.70338490	1.58096653
## 178	0.226488080	2.05830414	1.13783048
## 179	1.365926693	1.46559840	1.68647692
## 180	0.003425638	2.22935614	1.00995689
## 181	1.743771733	1.32397244	1.84060187
## 182	1.272687767	1.50380603	1.64670539
## 183	2.157678266	1.18904122	1.99805952
## 184	2.545408724	1.07785532	2.13641093
## 185	0.763353849	1.74128721	1.41505088
## 186	0.702578808	1.77346678	1.38558043
## 187	1.482405962	1.41978285	1.73516091
## 188	1.831854442	1.29365283	1.87504613
## 189	1.273915437	1.36507646	1.61188873
## 190	1.612720546	1.24256272	1.74763962
## 191	1.343487007	1.33866725	1.64045026
## 192	0.771082837	1.62355223	1.40107625
## 193	-0.648307414	2.57160860	0.60264741
## 194	1.623278515	1.23898006	1.75173607
## 195	-1.205435089	3.37485131	0.15833734
## 196	1.977648353	1.12571571	1.88522728
## 197	-1.192304349	3.37829672	0.16610102
##	Asphericity.ADC Center_of_mass.ADC Max_3D_diam.ADC Major_axis_length.ADC		
## 1	-0.328105334	-0.159964662	-0.9223406101
			-0.636355430

## 2	-0.795955536	-0.134542920	-0.7388406995	-0.934719975
## 3	-0.918589538	0.312276820	-0.6298715412	-0.733053727
## 4	0.032521773	0.165270038	-0.2750517696	-0.280602322
## 5	-0.829034054	-0.522302606	-0.7007593056	-0.814755381
## 6	0.204239069	0.420452490	-0.5900803634	-0.451633623
## 7	-0.108700337	-0.642766370	-0.7894134749	-0.621339099
## 8	0.203318572	-0.659907204	-0.3452164246	-0.279540405
## 9	-0.716198895	-0.605231159	-1.0848601830	-1.071847843
## 10	-0.912621152	0.888594878	-0.7903049542	-0.834695272
## 11	-0.278665719	-0.004575873	-0.5327414583	-0.797047740
## 12	-0.556982547	-0.715327704	-0.3767654417	-0.578621074
## 13	0.123502543	0.272912641	0.0614953017	0.019470934
## 14	0.725893826	-0.603484907	-0.4086117315	-0.239073175
## 15	1.577353875	2.001554325	0.9474705682	0.285370283
## 16	-0.610876182	-0.465034756	-0.4545248634	-0.398372897
## 17	-0.862290733	-0.483186578	-0.8134305676	-0.906132399
## 18	-0.068198453	0.592476620	0.3361142890	0.371794354
## 19	-0.291285440	-0.368522206	0.1851492228	0.212185073
## 20	-0.055192717	0.985640493	0.3906596778	0.505974705
## 21	-0.186081501	-0.642270067	0.0825693100	-0.273181175
## 22	-1.413846806	-0.500713426	-1.3479605734	-1.399210237
## 23	0.164063814	-0.428666776	-0.4079814456	-0.418752448
## 24	0.088879965	0.452941954	-0.0645451009	-0.455080715
## 25	-0.176935915	-0.201516251	-0.7531871981	-0.292955017
## 26	0.287024444	0.524143051	0.4501836642	0.543645917
## 27	-0.648289945	0.236857148	-0.6840293744	-0.531343542
## 28	-0.730867466	-0.039445754	-0.7483114178	-0.650802000
## 29	-0.285703069	0.105842350	-0.6999650539	-0.569478094
## 30	0.291626930	-0.723112309	-0.2624043835	-0.204092132
## 31	-1.438937783	-0.642077060	-1.3855993613	-1.403041924
## 32	-0.391382104	-0.477543429	0.0282100766	-0.257037022
## 33	0.212701706	0.905625423	0.4713051006	0.542842489
## 34	-0.664116561	-0.250870826	-0.9471822745	-0.940852100
## 35	-0.139076749	-0.550748120	-0.5516446137	-0.349247711
## 36	0.075725761	-0.400147735	-0.2149185012	-0.291984969
## 37	-0.321453999	0.239834966	0.0009045213	-0.108679717
## 38	-0.626019848	0.009651479	-0.9634404652	-0.985360433
## 39	-0.615122347	0.762607445	0.1818124851	0.218765987
## 40	-0.102138082	-0.794368550	-0.3778962636	-0.629791348
## 41	-0.739537957	0.767837008	0.4307996215	0.480188854
## 42	-0.283476060	-0.109874824	-0.4878939347	-0.205584864
## 43	-0.521291004	0.760815240	0.3167803846	0.579366478
## 44	-1.441996209	-0.643023712	-1.3856168081	-1.403071310
## 45	-0.996713039	-0.687654217	-1.2885062046	-1.164069088
## 46	-0.129634228	0.518582619	-0.5045716948	-0.659305605
## 47	-0.241251955	-0.381665045	-0.7077788369	-0.470531854
## 48	-0.535959575	-0.395965923	-0.4414179326	-0.658004030
## 49	-0.955231271	-0.713682552	-1.2733986541	-1.281801432
## 50	-0.894626914	-0.561960891	-0.1141262898	-0.278626564
## 51	-0.770775480	-0.141573879	-0.0405784853	-0.133099229
## 52	-0.633027505	-0.380038274	0.1234325326	-0.094046841
## 53	0.062452783	1.211118293	0.6468609703	0.677522700
## 54	-0.101930227	-0.661102008	-0.5954189067	-0.354530188
## 55	-0.905613495	-0.785104228	-1.2908781189	-1.176223208

## 56	-0.366588062	-0.651681442	-1.1614762482	-1.048349306
## 57	-0.644607956	0.239926874	-0.6487672436	-0.534527009
## 58	-0.236976097	0.690928427	0.2982547909	0.313261992
## 59	-0.901901812	-0.795480637	-1.3061393027	-1.314251222
## 60	-0.721810959	-0.250778918	0.7996235623	0.745623721
## 61	0.343946812	0.485780668	0.6551712241	0.705779889
## 62	-0.425024797	-0.268875595	-0.2889654867	-0.489589858
## 63	0.318826142	1.329771470	0.0386959261	0.404998214
## 64	-0.487529537	-0.944573730	-0.1125250825	-0.236334218
## 65	-0.310318950	-0.606242146	-0.5909230595	-0.294098246
## 66	-0.225870742	-0.543873404	-0.5525415133	-0.252638144
## 67	-0.371101469	-0.532568725	-0.2979622626	-0.401876194
## 68	0.001017009	1.138161754	0.4646072336	0.372301061
## 69	0.161391402	-0.444943675	-0.7381789078	-0.863689982
## 70	-0.625069657	-0.824146730	-1.1701559332	-1.210690982
## 71	-0.529121170	-0.850292706	-0.6046107477	-0.730123158
## 72	-0.488066989	0.542091757	0.9885615305	0.993699765
## 73	-0.534944059	-0.682453146	-0.8324377091	-0.702120206
## 74	-0.605780784	-0.767372425	-0.0469792999	-0.083032954
## 75	-0.518185068	-0.904621340	-0.5688464716	-0.702760381
## 76	-0.485335190	-0.711391286	-1.0826263016	-1.075364235
## 77	-0.585939612	-0.760958169	-1.0127669821	-0.971323793
## 78	-0.249580972	-0.950011924	-0.5114026147	-0.520854878
## 79	0.126650050	-0.455696907	-0.7383770896	-0.864023792
## 80	-0.501645809	0.128039961	-0.4599572466	-0.480945168
## 81	0.307973182	-0.557564014	0.0347414879	0.080413207
## 82	-0.651775958	-0.683652545	-0.0742873960	-0.354796980
## 83	-0.461143926	-0.253027906	-0.5738769014	-0.654350775
## 84	-0.794809369	0.418303682	-0.7305999956	-0.553212086
## 85	-0.912671631	-0.421029224	-0.8220193600	-0.913838426
## 86	-0.209402747	-0.916703560	-0.4565112886	-0.437547968
## 87	-0.175290897	-0.688984126	-0.3951088098	-0.388496619
## 88	-0.550212437	-0.756932600	0.0554071401	-0.078660295
## 89	-0.683916162	-0.569814426	-0.9796365420	-0.971242851
## 90	-0.608203770	-0.774882225	0.0550763289	-0.079217501
## 91	-0.738074069	-0.484487075	0.3755117286	0.112884994
## 92	-0.636198767	-0.713793761	-0.8330153159	-0.703093107
## 93	-0.334207341	-0.976205693	-0.5118853653	-0.521668006
## 94	0.670776820	-0.620541187	-0.4089261122	-0.239602821
## 95	-0.741871863	0.677076059	-0.2783369971	-0.449524513
## 96	1.522251716	1.984496208	0.9471562214	0.284840751
## 97	-0.861937380	-0.169792380	-0.0410984330	-0.133975124
## 98	1.525904012	1.985626676	0.9471770559	0.284875844
## 99	-0.415225955	-0.265842633	-0.2889095892	-0.489495706
## 100	-0.519135259	-0.270977531	-0.5742077126	-0.654907981
## 101	-0.970662964	-0.438978849	-0.8223501711	-0.914395632
## 102	-0.642167153	-0.715641111	-0.8330493625	-0.703150454
## 103	-0.626073296	-0.710659699	-0.8329575552	-0.702995817
## 104	0.674429116	-0.619410719	-0.4089052777	-0.239567728
## 105	-0.617462192	-0.707994368	-0.8329084332	-0.702913077
## 106	-0.697925538	0.690678437	-0.2780863056	-0.449102257
## 107	-0.500707496	0.124771714	-0.5210732426	-0.682879948
## 108	-0.650181419	-0.457282319	0.3760131116	0.113729506
## 109	-0.576532723	-0.234602198	-0.5114315459	-0.651745685

## 110	-0.471691044	-0.469006099	0.2904823550	0.034079588
## 111	-0.828734150	0.934350337	0.1157239384	-0.224527032
## 112	-0.571520466	0.045443196	-0.6626780641	-0.644272441
## 113	-0.629963140	-0.711863693	-0.8329797448	-0.703033192
## 114	-0.601968143	-0.772952157	0.0551119000	-0.079157587
## 115	-0.580354271	-0.740801834	-1.0831683372	-1.076277221
## 116	-0.964427337	-0.437048782	-0.8223146000	-0.914335718
## 117	-0.907513877	-0.497184160	-0.8136885427	-0.906566924
## 118	-0.323888863	-0.018573456	-0.5329994334	-0.797482264
## 119	-0.214557532	0.492296943	-0.5050561392	-0.660121586
## 120	-0.747466111	-0.817987058	0.0542819079	-0.080555596
## 121	-0.877336410	-0.527591909	0.3747173075	0.111546900
## 122	-0.775461108	-0.756898594	-0.8338097369	-0.704431201
## 123	-0.473469682	-1.019310527	-0.5126797863	-0.523006101
## 124	0.531514479	-0.663646020	-0.4097205332	-0.240940915
## 125	-0.881134204	0.633971226	-0.2791314181	-0.450862607
## 126	1.382989375	1.941391374	0.9463618004	0.283502657
## 127	-1.001199721	-0.212897214	-0.0418928541	-0.135313219
## 128	1.386641671	1.942521842	0.9463826348	0.283537750
## 129	-0.554488296	-0.308947466	-0.2897040103	-0.490833801
## 130	-0.658397600	-0.314082364	-0.5750021336	-0.656246076
## 131	-1.109925305	-0.482083682	-0.8231445922	-0.915733727
## 132	-0.781429494	-0.758745944	-0.8338437835	-0.704488548
## 133	-0.765335637	-0.753764533	-0.8337519763	-0.704333911
## 134	0.535166775	-0.662515552	-0.4096996987	-0.240905822
## 135	-0.756724533	-0.751099202	-0.8337028543	-0.704251172
## 136	-0.837187879	0.647573604	-0.2788807266	-0.450440351
## 137	-0.639969837	0.081666880	-0.5218676637	-0.684218043
## 138	-0.789443760	-0.500387153	0.3752186905	0.112391411
## 139	-0.715795064	-0.277707031	-0.5122259669	-0.653083779
## 140	-0.610953385	-0.512110932	0.2896879340	0.032741493
## 141	-0.967996491	0.891245503	0.1149295174	-0.225865127
## 142	-0.710782807	0.002338362	-0.6634724851	-0.645610536
## 143	-0.769225481	-0.754968527	-0.8337741658	-0.704371287
## 144	-0.741230484	-0.816056991	0.0543174790	-0.080495681
## 145	-1.103689678	-0.480153615	-0.8231090211	-0.915673812
## 146	-1.046776218	-0.540288994	-0.8144829637	-0.907905018
## 147	-0.463151204	-0.061678289	-0.5337938544	-0.798820359
## 148	-0.015670718	-0.372152571	-0.8315846974	-0.628057532
## 149	0.105537998	-0.068709248	1.4869600311	1.378292205
## 150	0.353240866	0.772064774	1.6340556401	1.669346875
## 151	0.628736815	0.295135986	1.9620776759	1.747451650
## 152	2.019697392	3.477449118	3.0089345513	3.290590732
## 153	1.690931371	-0.266991482	0.5243747973	1.226484956
## 154	0.083564836	-0.514995923	-0.8665436271	-0.416901084
## 155	1.161615701	-0.248150350	-0.6077398857	-0.161153279
## 156	0.605575914	1.535066281	0.4176781235	0.866491315
## 157	1.420839632	2.437069387	2.3117221925	2.562069317
## 158	0.090988201	-0.535748740	-0.8970659947	-0.692957112
## 159	0.451169907	0.553654697	3.3144597352	3.426792775
## 160	2.582685449	2.026773870	3.0255550590	3.347105110
## 161	1.044742231	0.517461342	1.1372816374	0.956365616
## 162	2.532444110	3.714755472	1.7926044629	2.745541760
## 163	0.919732752	-0.833934927	1.4901624456	1.462876896

## 164	1.274153925	-0.157271759	0.5333664916	1.347348841
## 165	1.443050342	-0.032534275	0.6101295840	1.430269045
## 166	1.152588888	-0.009924917	1.1192880856	1.131792944
## 167	1.896825843	3.331536040	2.6444270778	2.680147455
## 168	2.217574629	0.165325182	0.2388547951	0.208165368
## 169	0.644652511	-0.593080926	-0.6250992558	-0.485836631
## 170	0.836549485	-0.645372879	0.5059911153	0.475299017
## 171	0.918657848	2.139396046	3.6923356717	3.922944863
## 172	0.824903708	-0.309693759	0.0503371924	0.531304919
## 173	0.683230258	-0.479532317	1.6212540109	1.769479425
## 174	0.858421689	-0.754030147	0.5775196676	0.530024571
## 175	0.924121445	-0.367570040	-0.4500399924	-0.215183138
## 176	0.722912602	-0.466703804	-0.3103213535	-0.007102253
## 177	1.395629882	-0.844811315	0.6924073812	0.893835576
## 178	2.148091926	0.143818720	0.2384584315	0.207497748
## 179	0.891500207	1.311292455	0.7952981176	0.973654996
## 180	2.510738189	-0.059915495	1.7846955865	2.096371746
## 181	0.591239910	-0.312092557	1.5666378187	1.225951373
## 182	0.972503974	0.549156722	0.5674588079	0.626843783
## 183	0.305173088	1.891819897	0.2540126195	0.829121160
## 184	0.069448563	0.213154085	0.0711738907	0.107868481
## 185	1.475986331	-0.778194588	0.8021900334	1.060449397
## 186	1.544210032	-0.322755718	0.9249949912	1.158552095
## 187	0.794366951	-0.458652667	1.8260268908	1.778224743
## 188	0.526959501	-0.084416319	-0.2440604734	-0.006940370
## 189	0.678384285	-0.494551916	1.8253652685	1.777110330
## 190	0.418643687	0.086238382	2.4662360678	2.161315321
## 191	0.622394291	-0.372374988	0.0491819789	0.529359119
## 192	1.226377143	-0.897198853	0.6914418801	0.892209320
## 193	3.236345465	-0.185869840	0.8973603863	1.456339691
## 194	0.411048100	2.409364651	1.1585386166	1.036496307
## 195	4.939295257	5.024204949	3.6095250535	2.505226835
## 196	0.170917065	0.715627772	1.6330157446	1.667595084
## 197	4.946599849	5.026465885	3.6095667225	2.505297020
##	Minor_axis_length.ADC	Least_axis_length.ADC	Elongation.ADC	Flatness.ADC
## 1	-1.069470855	-1.048838516	-1.265833254	-1.287968073
## 2	-0.765073427	-0.594839480	-0.257885921	0.023725997
## 3	-0.476248885	-0.490927601	-0.114429105	-0.180527302
## 4	-0.250962669	-0.078362343	-0.466003509	-0.218442586
## 5	-0.523935023	-0.255894100	-0.034041495	0.438872138
## 6	-0.555271195	-0.676788234	-0.674121097	-0.864644811
## 7	-0.886644301	-0.850672802	-0.982048804	-0.967208273
## 8	-0.115031137	-0.909182834	-0.291740434	-1.326617201
## 9	-0.918999422	-1.104866019	-0.288530325	-0.905250856
## 10	-0.736373347	-0.712330018	-0.402691522	-0.425701151
## 11	-0.504654546	-0.448730941	-0.035633062	0.022118529
## 12	-0.289320263	-0.069311260	-0.087372470	0.260233495
## 13	-0.039624636	0.009644269	-0.541670370	-0.443348357
## 14	-0.609117813	-0.582068445	-0.966402894	-0.925169484
## 15	0.688225217	0.916696422	-0.071160069	0.231683462
## 16	-0.597826598	-0.420897967	-0.795376904	-0.548183241
## 17	-0.728880783	-0.693304529	-0.243993431	-0.252688648
## 18	0.202411422	-0.103065605	-0.611078867	-0.839309714
## 19	-0.163771135	0.122858964	-0.837890620	-0.496394808

## 20	0.117650824	0.210774736	-0.787203265	-0.637712232
## 21	0.138662901	0.390083084	0.026276188	0.393828083
## 22	-1.260797404	-1.113908064	-0.322762499	-0.072267812
## 23	-0.573235065	-0.373073248	-0.738269330	-0.454670524
## 24	0.056595623	0.167775875	0.213865262	0.397322579
## 25	-1.000191002	-0.849389281	-1.426365692	-1.238101614
## 26	0.360850880	0.157339131	-0.602932203	-0.710991816
## 27	-0.911223957	-0.778410565	-1.114526507	-0.941069442
## 28	-0.788671207	-0.754049877	-0.784937305	-0.770013856
## 29	-0.706117670	-0.880005778	-0.755749589	-1.066347128
## 30	-0.597061757	-0.389070260	-0.981779047	-0.707672045
## 31	-1.319996470	-1.161580930	-0.545096285	-0.253527327
## 32	0.005672318	0.279565139	-0.167112663	0.222353157
## 33	0.352423231	0.200037901	-0.609595203	-0.672447524
## 34	-0.939942753	-0.895002638	-0.620223632	-0.627508303
## 35	-0.637928750	-0.847723415	-0.901148656	-1.197006339
## 36	-0.101362255	-0.057215429	-0.257508261	-0.175425338
## 37	0.089599689	0.016970282	-0.255485083	-0.302100823
## 38	-0.786549447	-1.087781178	-0.188558351	-0.995338967
## 39	-0.108568319	0.399768697	-0.788066488	-0.218442586
## 40	-0.211603042	-0.611068791	0.133073017	-0.553564765
## 41	0.469599777	0.575799095	-0.457748942	-0.286270756
## 42	-0.705976219	-0.530710428	-1.115146948	-0.886869807
## 43	0.084743218	0.055392305	-0.864137984	-0.823409757
## 44	-1.320033543	-1.161627480	-0.547874783	-0.257126658
## 45	-1.372164037	-1.179433623	-1.249189242	-0.902420315
## 46	-0.464092770	-0.488789002	-0.193980468	-0.254785345
## 47	-0.941273397	-0.828892263	-1.178755668	-1.028641515
## 48	-0.353004718	-0.249688004	-0.010248920	0.156167400
## 49	-1.292023079	-1.171092996	-0.774254925	-0.625271826
## 50	-0.095721866	0.396024340	-0.232070168	0.457253188
## 51	-0.111199732	0.256234883	-0.427859857	0.064716437
## 52	0.197530836	0.439000604	-0.111731534	0.233884995
## 53	0.548255683	0.378977011	-0.509029763	-0.560379033
## 54	-0.823303215	-0.788395364	-1.110911762	-1.064250431
## 55	-1.342312556	-1.191754522	-1.146169013	-0.916083794
## 56	-1.188083864	-1.255749347	-0.959254331	-1.272557345
## 57	-0.702293104	-0.638218877	-0.756774666	-0.670944890
## 58	-0.061099936	0.126826129	-0.777492010	-0.528544173
## 59	-1.341940753	-1.226405072	-0.859686993	-0.735103839
## 60	0.834096085	1.124263476	-0.329803159	0.009153948
## 61	0.542343551	0.374202674	-0.534359953	-0.582813698
## 62	-0.168156824	-0.334559480	-0.018611390	-0.257685777
## 63	0.380357030	-0.470266075	-0.438838971	-1.160244240
## 64	0.044105497	-0.198143786	-0.110760409	-0.382614014
## 65	-0.831898590	-0.824444229	-1.170662955	-1.157623367
## 66	-0.850206188	-0.596986666	-1.224938080	-0.887149366
## 67	-0.336682108	-0.013094392	-0.391523579	0.088933295
## 68	0.309353494	0.316129220	-0.476443108	-0.392468493
## 69	-0.563382111	-0.569456946	0.034234022	-0.033793410
## 70	-1.199282938	-1.159669658	-0.662926178	-0.753310164
## 71	-0.369853288	-0.603139658	0.113782688	-0.333138938
## 72	0.610128563	1.185828152	-0.661979330	-0.126876303
## 73	-0.900583559	-0.764733472	-0.864278258	-0.666325166

## 74	0.033334265	-0.244303452	-0.305948540	-0.583191103
## 75	-0.335600785	-0.553025436	0.116960426	-0.286476931
## 76	-1.190190614	-1.182970899	-0.909268344	-1.042413324
## 77	-1.084906034	-1.044557431	-0.838732263	-0.858319773
## 78	-0.359565076	-0.511879094	-0.245593091	-0.477709737
## 79	-0.563803223	-0.569985721	0.002672444	-0.074679014
## 80	-0.352588213	-0.390837361	-0.334148945	-0.393785918
## 81	-0.404181231	-0.133102574	-0.980632580	-0.648981982
## 82	-0.012312032	0.312280690	-0.043399368	0.433574482
## 83	-0.455014303	-0.650712825	-0.217476310	-0.580157881
## 84	-0.726745239	-0.705402258	-0.801886143	-0.794975042
## 85	-0.795140071	-0.677779528	-0.360021347	-0.195903085
## 86	-0.313458111	-0.703796862	-0.339854307	-0.910607919
## 87	-0.359808314	-0.651453245	-0.471123498	-0.880747449
## 88	0.108775967	-0.150780953	-0.263219018	-0.526562793
## 89	-1.023607919	-0.750716744	-0.741741104	-0.236138714
## 90	0.108073033	-0.151663600	-0.315902576	-0.594810303
## 91	0.555157646	0.467320502	-0.055182357	-0.096778208
## 92	-0.901810904	-0.766274602	-0.956265423	-0.785487485
## 93	-0.360590863	-0.513167135	-0.322473859	-0.577302877
## 94	-0.609785727	-0.582907118	-1.016464413	-0.990027333
## 95	-0.180041268	-0.254407565	-0.183316971	-0.299752522
## 96	0.687557088	0.915857433	-0.121229681	0.166832603
## 97	-0.112304739	0.254847280	-0.510683374	-0.042561100
## 98	0.687601359	0.915913022	-0.117911669	0.171130833
## 99	-0.168038049	-0.334410339	-0.009709406	-0.246153940
## 100	-0.455717237	-0.651595472	-0.270159868	-0.648405390
## 101	-0.795843005	-0.678662175	-0.412704905	-0.264150595
## 102	-0.901883249	-0.766365442	-0.961687540	-0.792511422
## 103	-0.901688169	-0.766120489	-0.947066706	-0.773571253
## 104	-0.609741456	-0.582851529	-1.013146401	-0.985729102
## 105	-0.901583791	-0.765989425	-0.939243751	-0.763437214
## 106	-0.179508579	-0.253738688	-0.143392923	-0.248033979
## 107	-0.409218565	-0.333292455	-0.061146687	0.053527060
## 108	0.556223025	0.468658257	0.024665738	0.006658878
## 109	-0.329405607	-0.687996944	0.014320554	-0.612988672
## 110	0.222773042	0.528333446	-0.238058775	0.166318912
## 111	0.220998575	0.618587982	0.091398245	0.653734728
## 112	-0.670590636	-0.720709874	-0.565023240	-0.678590848
## 113	-0.901735320	-0.766179693	-0.950600524	-0.778149043
## 114	0.108148617	-0.151568692	-0.310237677	-0.587471861
## 115	-1.191342375	-1.184417120	-0.995590610	-1.154237201
## 116	-0.795767421	-0.678567267	-0.407040006	-0.256812153
## 117	-0.729428949	-0.693992840	-0.285077435	-0.305909824
## 118	-0.505202713	-0.449419252	-0.076717065	-0.031102648
## 119	-0.465122156	-0.490081562	-0.271130993	-0.354727935
## 120	0.106384983	-0.153783218	-0.442418647	-0.758702172
## 121	0.553469597	0.465200885	-0.181698428	-0.260670077
## 122	-0.903498953	-0.768394219	-1.082781494	-0.949379354
## 123	-0.362278913	-0.515286752	-0.448989930	-0.741194746
## 124	-0.611473776	-0.585026735	-1.142980484	-1.153919202
## 125	-0.181729318	-0.256527183	-0.309833042	-0.463644391
## 126	0.685869038	0.913737815	-0.247745752	0.002940734
## 127	-0.113992788	0.252727662	-0.637199445	-0.206452969

## 128	0.685913309	0.913793404	-0.244427740	0.007238964
## 129	-0.169726099	-0.336529956	-0.136225477	-0.410045809
## 130	-0.457405286	-0.653715090	-0.396675939	-0.812297259
## 131	-0.797531055	-0.680781792	-0.539220976	-0.428042464
## 132	-0.903571298	-0.768485060	-1.088203611	-0.956403291
## 133	-0.903376219	-0.768240106	-1.073582777	-0.937463122
## 134	-0.611429505	-0.584971146	-1.139662472	-1.149620971
## 135	-0.903271841	-0.768109042	-1.065759822	-0.927329083
## 136	-0.181196629	-0.255858306	-0.269908994	-0.411925848
## 137	-0.410906614	-0.335412073	-0.187662757	-0.110364809
## 138	0.554534975	0.466538639	-0.101850332	-0.157232991
## 139	-0.331093657	-0.690116561	-0.112195517	-0.776880541
## 140	0.221084993	0.526213828	-0.364574846	0.002427043
## 141	0.219310525	0.616468365	-0.035117826	0.489842859
## 142	-0.672278685	-0.722829491	-0.691539311	-0.842482717
## 143	-0.903423369	-0.768299311	-1.077116595	-0.942040912
## 144	0.106460568	-0.153688309	-0.436753748	-0.751363730
## 145	-0.797455471	-0.680686884	-0.533556077	-0.420704022
## 146	-0.731116999	-0.696112458	-0.411593505	-0.469801693
## 147	-0.506890762	-0.451538870	-0.203233136	-0.194994516
## 148	-0.785900502	-0.679160488	0.923380337	1.089023144
## 149	1.606701924	2.455074184	2.007749850	3.254073171
## 150	1.575746192	2.175495270	1.616170472	2.468999669
## 151	2.193207328	2.541026711	2.248427118	2.807336785
## 152	2.894657024	2.420979525	1.453830660	1.218808731
## 153	0.151539227	0.086234775	0.250066663	0.211065935
## 154	-0.886479456	-0.720483540	0.179552162	0.507399207
## 155	-0.578022071	-0.848473190	0.553381524	-0.205547895
## 156	0.393559448	0.386587749	0.958340854	0.997677015
## 157	1.675945784	1.916677761	0.916906167	1.282478451
## 158	-0.885735850	-0.789784640	0.752516202	0.869359117
## 159	3.466337827	3.911552454	1.812283870	2.357874692
## 160	2.882832759	2.411430852	1.403170281	1.173939401
## 161	1.461832008	0.993906543	2.434667407	1.824195242
## 162	2.558859716	0.722493353	1.594212245	0.019078317
## 163	1.886356650	1.266737932	2.250369369	1.574338768
## 164	0.134348476	0.014137045	0.130564276	0.024320061
## 165	0.097733280	0.469052171	0.022014026	0.565268063
## 166	1.124781441	1.636836720	1.688843029	2.517433386
## 167	2.416852646	2.295283943	1.519003971	1.554629810
## 168	0.671381435	0.524111610	2.540358231	2.271979977
## 169	-0.600420219	-0.656313813	1.146037831	0.832946467
## 170	1.058439081	0.456746187	2.699455562	1.673288921
## 171	3.018402782	4.034681808	1.147931526	2.085814190
## 172	-0.003021461	0.133558559	0.743333670	1.006916463
## 173	1.864814187	1.174418599	1.859993107	1.173184589
## 174	1.126944087	0.556974631	2.705811039	1.766612934
## 175	-0.582235572	-0.702916294	0.653353499	0.254740147
## 176	-0.371666411	-0.426089358	0.794425662	0.622927250
## 177	1.079015504	0.639267315	1.980704005	1.384147321
## 178	0.670539210	0.523054061	2.477235074	2.190208767
## 179	1.092969231	0.881350782	1.803592296	1.551994960
## 180	0.989783195	1.396820354	0.510625027	1.041602832
## 181	1.773521593	2.287586884	2.385091450	3.206715760

## 182	0.888117051	0.361599853	2.036937567	1.179251035
## 183	0.344655180	0.252220987	0.868117901	0.749616713
## 184	0.207865514	0.307466447	1.751847493	1.947760625
## 185	1.171229435	0.255431779	1.792181572	0.518350958
## 186	1.078529029	0.360119013	1.529643190	0.578071897
## 187	2.015697591	1.361463597	1.945452150	1.286441209
## 188	-0.249070182	0.161592015	0.988407978	1.867289368
## 189	2.014291722	1.359698303	1.840085034	1.149946190
## 190	2.908460949	2.597666508	2.361525472	2.146010380
## 191	-0.005476151	0.130476300	0.559359341	0.768591827
## 192	1.076963930	0.636691234	1.826942469	1.184961041
## 193	0.578574203	0.497211268	0.438961361	0.359512131
## 194	1.438063120	1.154210373	2.105256245	1.740061753
## 195	3.173259832	3.494740369	2.229430824	2.673232001
## 196	1.573536179	2.172720062	1.450523439	2.254444595
## 197	3.173348374	3.494851547	2.236066849	2.681828462
##	Max_cooc.L.ADC	Average_cooc.L.ADC	Variance_cooc.L.ADC	Entropy_cooc.L.ADC
## 1	0.1714684472	-0.720893258	0.559285697	-0.6503058
## 2	-0.0341425362	-0.044293049	-0.714513434	-0.6089983
## 3	0.0404044477	-1.190709148	0.951207834	-0.5126260
## 4	0.0088520033	-0.588737475	-0.774911939	-0.6127855
## 5	-0.0015499014	-0.531868707	-0.627133020	-0.5521907
## 6	-0.1107699010	-0.101717623	1.247617039	-0.3423719
## 7	-0.0667351710	0.234517377	0.109127191	-0.4459053
## 8	0.1166850823	0.108533636	-0.398522633	-0.5904542
## 9	-0.0535594250	0.516883726	-0.105178821	-0.5504788
## 10	0.0456054000	-1.060248162	0.406220768	-0.5272547
## 11	-0.0487052028	-0.091598812	-0.636252292	-0.5606673
## 12	-0.0435042505	-0.769719273	-0.149481481	-0.4454589
## 13	0.7886481275	-1.564744403	-1.164335924	-0.9823992
## 14	-0.0001629808	-0.149724303	-0.792974530	-0.6420642
## 15	0.4134860971	-0.811583344	-0.761791398	-0.7692087
## 16	-0.0237406315	-0.123188009	-0.653195109	-0.5662448
## 17	-0.0462780917	0.035023556	-0.852104183	-0.6238169
## 18	-0.0764436154	-0.681550163	-0.517550147	-0.4813741
## 19	0.1055897173	-1.173930938	0.184193470	-0.4987192
## 20	-0.0525192346	-0.678751285	-0.331249644	-0.5012716
## 21	0.0837457173	-0.405599535	-0.625117596	-0.5847675
## 22	0.0005304795	-0.892346961	1.248872707	-0.5974421
## 23	0.0345100350	-1.140622988	-0.560508402	-0.6247691
## 24	-0.0272079331	-0.347142751	-0.513460309	-0.5225202
## 25	-0.1083427899	-0.037613799	0.369727286	-0.3711259
## 26	-0.0930866630	-0.710308311	-0.356201424	-0.4397604
## 27	-0.1197848851	-0.229457079	1.318518434	-0.3295857
## 28	-0.0136854569	-0.742938616	0.597275704	-0.4183860
## 29	-0.0809511075	-0.407969923	0.764416998	-0.3641570
## 30	0.0622484476	-1.167758211	-0.937907955	-0.7201963
## 31	0.0619017174	-0.965594881	0.769903637	-0.6707826
## 32	0.1513580980	-0.746466476	-0.853961741	-0.6819162
## 33	-0.0261677426	-0.779834661	-0.537658079	-0.5457442
## 34	-0.0088312347	-0.501057091	1.004277185	-0.4085583
## 35	-0.1319204406	-0.196183353	0.624642985	-0.3102604
## 36	-0.0171527585	-0.170211078	0.001346435	-0.4433148
## 37	-0.0948203138	-0.660563711	0.003087029	-0.4149835

## 38	-0.0095246950	-0.272065190	1.810008692	-0.4491796
## 39	-0.0067508538	-0.808549686	-0.566041185	-0.5738405
## 40	0.1936591773	-0.796181643	-1.195925724	-0.8272439
## 41	-0.0077910442	-0.745653302	-0.517979802	-0.5775921
## 42	-0.0369163775	-1.062362550	0.312260307	-0.4225459
## 43	-0.0070975839	-0.857010868	-0.556776892	-0.5700059
## 44	0.0261885112	-0.965665384	0.769886228	-0.6710272
## 45	0.5608464140	-0.909550923	0.522696717	-0.6757214
## 46	0.6308859058	-0.495241667	-0.455520405	-0.5848649
## 47	0.4127926368	-0.284552334	0.569912650	-0.3979353
## 48	0.3417129545	-0.864534778	-0.072950622	-0.4230944
## 49	0.4353300970	-0.655866743	1.341930926	-0.5505714
## 50	0.4148730177	-0.369481755	-0.613015415	-0.5739189
## 51	0.4585610176	-0.822851412	-0.910028199	-0.6773526
## 52	0.4457320017	-0.616296397	-0.786122019	-0.6208038
## 53	0.4048178432	-0.690588849	-0.295798862	-0.4874313
## 54	0.3531550497	-0.830826401	0.277168867	-0.3948224
## 55	0.5025957476	-0.823763837	0.716896825	-0.6107553
## 56	0.4006570813	-0.240144700	0.578856138	-0.5337606
## 57	0.4322095256	0.272870700	-0.221460563	-0.4692291
## 58	0.5878913663	-0.774146552	0.149991933	-0.5118591
## 59	0.6322728265	-0.968291086	0.856305242	-0.7164994
## 60	0.8781045081	-1.155149912	-1.098897167	-0.8372282
## 61	0.3899084464	-0.902420595	-0.326392782	-0.4485647
## 62	0.5459370173	-0.724979662	-0.772946376	-0.6386736
## 63	0.5403893347	-0.785120974	-0.390215346	-0.5749256
## 64	0.9120840636	-0.436791728	-1.285908578	-0.8792552
## 65	0.3836673036	-0.898295860	0.424474692	-0.4172582
## 66	0.4093253352	-0.252920699	-0.154491984	-0.4944547
## 67	0.3580092719	-0.560733635	-0.287673105	-0.4429634
## 68	0.3437933354	-0.487758826	0.449890270	-0.3256798
## 69	0.6107755567	-0.594603551	-0.845960722	-0.7072250
## 70	0.4360235573	0.380701090	-0.184580020	-0.6401861
## 71	0.5342868840	-0.370250847	-0.746103015	-0.5529154
## 72	0.5624760458	-0.434524561	-0.385978729	-0.5131491
## 73	0.4728463001	-0.635879919	-0.165716516	-0.4471291
## 74	0.9161408064	-0.308020951	-1.262345640	-0.8439127
## 75	0.5649378299	-0.067014477	-0.951512358	-0.6245264
## 76	0.5188573920	0.183006451	-0.028325433	-0.5023323
## 77	0.6115730361	-0.978323582	0.092806174	-0.5392089
## 78	0.5338361348	-0.221985669	-0.843848921	-0.5854734
## 79	0.2051012725	-0.595404404	-0.846158478	-0.7100030
## 80	0.0090253684	0.052011494	-0.399188142	-0.5067411
## 81	0.0376306064	-0.262819583	-0.754537120	-0.5570936
## 82	0.2494480596	-0.785341859	-0.968583074	-0.7228858
## 83	0.0402310826	-0.231052350	-0.677263526	-0.5799434
## 84	0.1193549045	-1.093481365	0.395934700	-0.5156434
## 85	-0.0208280982	-0.582131945	-0.323728920	-0.4758140
## 86	0.5085941793	0.619147368	-0.963866247	-0.7918503
## 87	0.4508982811	0.560404330	-0.785859781	-0.7288368
## 88	0.3746869925	-0.342439007	-1.200260476	-0.8088869
## 89	-0.0121251712	-0.006224063	0.806281846	-0.3521114
## 90	-0.3024770051	-0.343775815	-1.200590577	-0.8135241
## 91	-0.6136326484	-0.497053648	-0.969098339	-0.6557401

## 92	-0.7095035369	-0.638214029	-0.166292883	-0.4552258
## 93	-0.4543448141	-0.223936465	-0.844330635	-0.5922405
## 94	-0.6437288261	-0.150994716	-0.793288304	-0.6464721
## 95	-0.6981654608	-0.408896174	0.161441975	-0.3950701
## 96	-0.2299757292	-0.812853620	-0.762105154	-0.7736161
## 97	-0.6059699119	-0.824953138	-0.910547182	-0.6846418
## 98	-0.1873279198	-0.812769427	-0.762084364	-0.7733241
## 99	0.6603579692	-0.724753780	-0.772890599	-0.6378900
## 100	-0.6369329150	-0.232389159	-0.677593627	-0.5845806
## 101	-0.6979920957	-0.583468753	-0.324059021	-0.4804512
## 102	-0.7791962986	-0.638351611	-0.166326856	-0.4557031
## 103	-0.5912685532	-0.637980618	-0.166235246	-0.4544161
## 104	-0.6010810167	-0.150910524	-0.793267514	-0.6461800
## 105	-0.4907168076	-0.637782116	-0.166186229	-0.4537276
## 106	-0.1850048277	-0.407883129	0.161692128	-0.3915560
## 107	0.4241653859	-0.844588270	-0.217167527	-0.5036119
## 108	0.4126886177	-0.495027558	-0.968598032	-0.6487118
## 109	0.3417476275	-0.193897363	-0.683177590	-0.5268772
## 110	0.5165689729	-0.328395264	-0.850780923	-0.6394654
## 111	0.6902807818	-0.984320601	-0.957339730	-0.7643502
## 112	0.4107469289	-0.007395909	0.162868068	-0.4453958
## 113	-0.6366902039	-0.638070286	-0.166257388	-0.4547272
## 114	-0.2296636720	-0.343632072	-1.200555082	-0.8130255
## 115	-0.5906791120	0.180816084	-0.028866305	-0.5099304
## 116	-0.6251787626	-0.583325010	-0.324023526	-0.4799526
## 117	-0.5743481216	0.033981079	-0.852361605	-0.6274332
## 118	-0.5767752327	-0.092641290	-0.636509713	-0.5642835
## 119	-0.3607623446	-0.497199307	-0.456003810	-0.5916557
## 120	-1.9286414437	-0.346986071	-1.201383292	-0.8246601
## 121	-2.2397970870	-0.500263904	-0.969891055	-0.6668760
## 122	-2.3356679755	-0.641424285	-0.167085598	-0.4663618
## 123	-2.0805092526	-0.227146721	-0.845123351	-0.6033764
## 124	-2.2698932647	-0.154204973	-0.794081019	-0.6576080
## 125	-2.3243298994	-0.412106430	0.160649259	-0.4062060
## 126	-1.8561401677	-0.816063876	-0.762897870	-0.7847521
## 127	-2.2321343505	-0.828163394	-0.911339898	-0.6957777
## 128	-1.8134923584	-0.815979684	-0.762877080	-0.7844600
## 129	-0.9658064694	-0.727964036	-0.773683315	-0.6490260
## 130	-2.2630973536	-0.235599415	-0.678386342	-0.5957166
## 131	-2.3241565343	-0.586679010	-0.324851737	-0.4915872
## 132	-2.4053607372	-0.641561868	-0.167119572	-0.4668390
## 133	-2.2174329918	-0.641190874	-0.167027962	-0.4655521
## 134	-2.2272454553	-0.154120780	-0.794060229	-0.6573160
## 135	-2.1168812462	-0.640992372	-0.166978945	-0.4648635
## 136	-1.8111692663	-0.411093386	0.160899412	-0.4026919
## 137	-1.2019990526	-0.847798527	-0.217960242	-0.5147478
## 138	-1.2134758208	-0.498237815	-0.969390748	-0.6598478
## 139	-1.2844168111	-0.197107619	-0.683970305	-0.5380132
## 140	-1.1095954657	-0.331605521	-0.851573639	-0.6506014
## 141	-0.9358836568	-0.987530857	-0.958132446	-0.7754862
## 142	-1.2154175097	-0.010606166	0.162075353	-0.4565317
## 143	-2.2628546425	-0.641280543	-0.167050103	-0.4658631
## 144	-1.8558281106	-0.346842329	-1.201347798	-0.8241614
## 145	-2.2513432012	-0.586535267	-0.324816242	-0.4910885

## 146	-2.2005125601	0.030770822	-0.853154320	-0.6385691
## 147	-2.2029396712	-0.095851547	-0.637302429	-0.5754195
## 148	1.1714382213	1.070394902	4.422573800	1.7696379
## 149	1.1305240628	1.643164878	0.512681119	1.7229429
## 150	1.2179000625	0.736425563	-0.081344449	1.5160755
## 151	1.1922420308	1.149535594	0.166467910	1.6291730
## 152	1.1104137136	1.000950690	1.147114224	1.8959181
## 153	1.0070881267	0.720475586	2.293049683	2.0811358
## 154	1.3059695225	0.734600714	3.172505599	1.6492699
## 155	1.1020921899	1.901838988	2.896424224	1.8032595
## 156	1.1651970785	2.927869787	1.295790822	1.9323225
## 157	1.4765607599	0.833835283	2.038695815	1.8470624
## 158	1.5653236802	0.445546216	3.451322433	1.4377819
## 159	2.0569870436	0.071828564	-0.459082386	1.1963241
## 160	1.0805949201	0.577287198	1.085926384	1.9736513
## 161	1.3926520618	0.932169065	0.192819196	1.5934335
## 162	1.3815566968	0.811886439	0.958281257	1.7209294
## 163	2.1249461544	1.508544932	-0.833105208	1.1122703
## 164	1.0681126344	0.585536668	2.587661333	2.0362643
## 165	1.1194286977	1.876286989	1.429727980	1.8818712
## 166	1.0167965711	1.260661117	1.163365739	1.9848538
## 167	0.9883646982	1.406610735	2.638492488	2.2194210
## 168	1.5223291407	1.192921285	0.046790505	1.4563307
## 169	1.1728251420	3.143530568	1.369551909	1.5904085
## 170	1.3693517952	1.641626693	0.246505918	1.7649499
## 171	1.4257301188	1.513079265	0.966754491	1.8444824
## 172	1.2464706274	1.110368549	1.407278917	1.9765225
## 173	2.1330596401	1.766086485	-0.785979331	1.1829553
## 174	1.4306536871	2.248099433	-0.164312767	1.6217278
## 175	1.3384928112	2.748141290	1.682061083	1.8661161
## 176	1.5239240994	0.425481224	1.924324297	1.7923628
## 177	1.3684502968	1.938157049	0.051014107	1.6998338
## 178	0.7109805722	1.191319579	0.046394992	1.4507746
## 179	0.3188287641	2.486151376	0.940335664	1.8572985
## 180	0.3760392401	1.856489222	0.229637708	1.7565934
## 181	0.7996741465	0.811444669	-0.198454199	1.4250090
## 182	0.3812401925	1.920023687	0.384184897	1.7108938
## 183	0.5394878363	0.195165657	2.530581348	1.8394938
## 184	0.2591218310	1.217864498	1.091254109	1.9191526
## 185	1.3179663859	3.620423123	-0.189020546	1.2870800
## 186	1.2025745895	3.502937048	0.166992387	1.4131071
## 187	1.0501520123	1.697250374	-0.661809003	1.2530068
## 188	0.2765276849	2.369680262	3.351275641	2.1665578
## 189	-0.3041759829	1.694576758	-0.662469205	1.2437324
## 190	-0.9264872695	1.388021092	-0.199484729	1.5593005
## 191	-1.1182290466	1.105700330	1.406126183	1.9603290
## 192	-0.6079116008	1.934255458	0.050050679	1.6862997
## 193	-0.9866796248	2.080138955	0.152135341	1.5778365
## 194	-1.0955528943	1.564336040	2.061595898	2.0806405
## 195	-0.1591734310	0.756421148	0.214501640	1.3235484
## 196	-0.9111617965	0.732222112	-0.082382416	1.5014971
## 197	-0.0738778123	0.756589533	0.214543220	1.3241325
##	DAVE_cooc.L.ADC	DVAR_cooc.L.ADC	DENT_cooc.L.ADC	SAVE_cooc.L.ADC
## 1	0.108018805	1.340469734	-0.3378751	-0.721198440

## 2	-0.585195788	-0.644348162	-0.6023649	-0.044408303
## 3	-0.214633520	0.915343165	-0.4453804	-1.191146791
## 4	-0.867378806	-0.905194554	-0.7262579	-0.589005493
## 5	-0.488329131	-0.593707308	-0.5615696	-0.532120732
## 6	0.056530715	0.562594492	-0.3536147	-0.101848341
## 7	0.206835578	0.403133556	-0.3198645	0.234480870
## 8	-0.523323016	-0.170873565	-0.5571750	0.108462044
## 9	0.120836728	0.519198376	-0.3552903	0.516926625
## 10	-0.236062147	0.746806186	-0.4483260	-1.060648432
## 11	-0.540466421	-0.628533231	-0.5825996	-0.091726685
## 12	-0.246114680	-0.082093777	-0.4539378	-0.770038185
## 13	-1.286427244	-1.036770922	-0.9758618	-1.565286888
## 14	-0.841302612	-0.892595174	-0.7173264	-0.149868864
## 15	-1.118591469	-1.022166696	-0.8560052	-0.811914029
## 16	-0.526591662	-0.426781249	-0.5669707	-0.123324765
## 17	-0.513992655	-0.578953434	-0.5780311	0.034930949
## 18	-0.336919622	-0.322859004	-0.4968093	-0.681844281
## 19	-0.196025640	0.627086929	-0.4278598	-1.174363178
## 20	-0.614065051	-0.598320311	-0.5990927	-0.679044616
## 21	-0.721716477	-0.681452763	-0.6471439	-0.405816394
## 22	0.194805251	0.459978840	-0.3321526	-0.892700357
## 23	-0.564023820	-0.192173923	-0.5823835	-1.141046546
## 24	-0.649111778	-0.694869549	-0.6217509	-0.347342829
## 25	-0.091328325	-0.175181297	-0.4188281	-0.037727175
## 26	-0.216963594	-0.133864223	-0.4497592	-0.710610858
## 27	0.078920561	0.320309518	-0.3505374	-0.229623719
## 28	-0.031106232	0.265614013	-0.3797032	-0.743249997
## 29	0.098781547	0.238498121	-0.3483348	-0.408187106
## 30	-0.825706718	-0.635910011	-0.7071091	-1.168189057
## 31	0.206010239	0.506240595	-0.3372322	-0.965969219
## 32	-0.813346758	-0.687131538	-0.6931822	-0.746779191
## 33	-0.762850081	-0.738313766	-0.6680790	-0.780156075
## 34	-0.048483651	-0.023241759	-0.3982513	-0.501300451
## 35	0.318289101	0.387339688	-0.2924269	-0.196340979
## 36	-0.343985332	-0.192050683	-0.4864287	-0.170361400
## 37	-0.316970566	-0.020320159	-0.4763958	-0.660852269
## 38	0.632330721	2.090846161	-0.1960452	-0.272244154
## 39	-0.612668516	-0.538708734	-0.6028971	-0.808879175
## 40	-1.017187962	-0.982632825	-0.8092607	-0.796508339
## 41	-0.909048378	-0.969681961	-0.7521831	-0.745965447
## 42	0.181260123	0.580571150	-0.3143580	-1.062763758
## 43	-0.806442090	-0.816055736	-0.6892565	-0.857353985
## 44	0.205751062	0.506208213	-0.3377750	-0.966004480
## 45	0.083938020	0.235933979	-0.3679684	-0.910366526
## 46	-0.528526680	-0.348337567	-0.5523799	-0.495940760
## 47	0.277505259	1.234384820	-0.2801019	-0.285192178
## 48	-0.275753924	-0.381731142	-0.4764222	-0.865337721
## 49	0.779980911	1.378577544	-0.1732606	-0.656611348
## 50	-0.808782229	-0.878191527	-0.6943994	-0.370146167
## 51	-1.019291571	-1.082645981	-0.8087443	-0.823643318
## 52	-0.925399155	-0.940678174	-0.7512452	-0.617029875
## 53	-0.675595609	-0.669972287	-0.6219669	-0.691343218
## 54	-0.022636439	0.108363847	-0.3803145	-0.831619865
## 55	0.648482713	1.304700965	-0.2118586	-0.824555657

## 56	0.707544802	1.056768340	-0.1915083	-0.240772398
## 57	-0.524369788	-0.559814801	-0.5650632	0.272387269
## 58	-0.314159883	0.297968224	-0.4663893	-0.774924419
## 59	0.455345758	1.105797330	-0.2666862	-0.969123549
## 60	-1.087686537	-0.927165814	-0.8319769	-1.156034580
## 61	-0.279150900	-0.252313356	-0.4654777	-0.903234534
## 62	-0.716658757	-0.655142331	-0.6384178	-0.725743360
## 63	-0.922736933	-0.781203719	-0.7425139	-0.785901928
## 64	-1.261649450	-1.171711861	-0.9500262	-0.437474726
## 65	-0.210489209	-0.133418108	-0.4442159	-0.899108297
## 66	-0.500830003	-0.523128964	-0.5545034	-0.253552332
## 67	-0.307506843	-0.447145677	-0.4892794	-0.561451488
## 68	-0.095054934	0.263891171	-0.3922074	-0.488456157
## 69	-0.631955791	-0.406192349	-0.5975382	-0.595330586
## 70	0.036611855	0.240980208	-0.3681370	0.380247983
## 71	-0.311710537	-0.401077741	-0.4913023	-0.371031564
## 72	-0.726774448	-0.613200569	-0.6395560	-0.435323318
## 73	0.138355562	0.069535965	-0.3435107	-0.636735300
## 74	-1.199139053	-1.158010963	-0.9075536	-0.308784099
## 75	-0.540843108	-0.679538051	-0.5801320	-0.067709885
## 76	0.256249248	0.289494421	-0.3122091	0.182381353
## 77	0.047622838	0.358916040	-0.3602793	-0.979275263
## 78	-0.414016382	-0.491993067	-0.5267708	-0.222724691
## 79	-0.634899837	-0.406560182	-0.6037033	-0.595731125
## 80	-0.650554612	-0.608859920	-0.6189023	0.051848349
## 81	-0.683468792	-0.615426588	-0.6282085	-0.263071228
## 82	-0.870093619	-0.766159414	-0.7223718	-0.785740514
## 83	-0.692497703	-0.798318170	-0.6486630	-0.231295097
## 84	-0.298183528	0.213759405	-0.4653507	-1.093966674
## 85	-0.309009816	-0.461549293	-0.4982805	-0.582473454
## 86	-0.891665674	-0.426200639	-0.7343880	0.619143710
## 87	-0.819049148	-0.317451419	-0.6911003	0.560384153
## 88	-1.162560416	-1.108954684	-0.8867471	-0.342713111
## 89	0.166434714	0.230591881	-0.3325204	-0.006403619
## 90	-1.167474708	-1.109568682	-0.8970381	-0.343381703
## 91	-0.852259244	-0.941343292	-0.7334564	-0.496702605
## 92	0.129775053	0.068463904	-0.3614792	-0.637902683
## 93	-0.421187775	-0.492889070	-0.5417885	-0.223700363
## 94	-0.845971567	-0.893178677	-0.7271058	-0.150504283
## 95	-0.293137886	-0.143205357	-0.4788882	-0.408520340
## 96	-1.123262940	-1.022750198	-0.8657840	-0.812549243
## 97	-1.027016798	-1.083611212	-0.8249234	-0.824694305
## 98	-1.122953438	-1.022711528	-0.8651359	-0.812507135
## 99	-0.715828385	-0.655038583	-0.6366789	-0.725630387
## 100	-0.697411995	-0.798932168	-0.6589541	-0.231963689
## 101	-0.313924108	-0.462163291	-0.5085715	-0.583142046
## 102	0.129269281	0.068400713	-0.3625383	-0.637971494
## 103	0.130633104	0.068571110	-0.3596823	-0.637785945
## 104	-0.845662065	-0.893140007	-0.7264576	-0.150462175
## 105	0.131362824	0.068662283	-0.3581542	-0.637686666
## 106	-0.289413794	-0.142740064	-0.4710896	-0.408013676
## 107	-0.344874333	-0.142066553	-0.4838804	-0.845348255
## 108	-0.844811059	-0.940412706	-0.7178591	-0.495689276
## 109	-0.303301135	-0.473225003	-0.4923672	-0.194474398

## 110	-0.868826170	-0.891857151	-0.7210792	-0.329010157
## 111	-0.993785817	-0.868828543	-0.7817510	-0.985119915
## 112	-0.191329007	-0.003139656	-0.4302727	-0.007920498
## 113	0.130303471	0.068529926	-0.3603726	-0.637830791
## 114	-1.166946289	-1.109502661	-0.8959316	-0.343309811
## 115	0.248197157	0.288488382	-0.3290711	0.181285862
## 116	-0.313395689	-0.462097269	-0.5074650	-0.583070155
## 117	-0.517824947	-0.579432245	-0.5860563	0.034409564
## 118	-0.544298713	-0.629012042	-0.5906248	-0.092248071
## 119	-0.535723236	-0.349236714	-0.5674502	-0.496919855
## 120	-1.179276054	-1.111043158	-0.9217514	-0.344987282
## 121	-0.864060590	-0.942817768	-0.7581696	-0.498308185
## 122	0.117973706	0.066989429	-0.3861924	-0.639508263
## 123	-0.432989121	-0.494363546	-0.5665017	-0.225305943
## 124	-0.857772913	-0.894653153	-0.7518190	-0.152109863
## 125	-0.304939232	-0.144679833	-0.5036015	-0.410125920
## 126	-1.135064286	-1.024224674	-0.8904973	-0.814154822
## 127	-1.038818144	-1.085085688	-0.8496366	-0.826299885
## 128	-1.134754784	-1.024186004	-0.8898491	-0.814112714
## 129	-0.727629731	-0.656513059	-0.6613922	-0.727235967
## 130	-0.709213341	-0.800406644	-0.6836673	-0.233569268
## 131	-0.325725454	-0.463637766	-0.5332848	-0.584747626
## 132	0.117467934	0.066926237	-0.3872516	-0.639577073
## 133	0.118831757	0.067096635	-0.3843956	-0.639391524
## 134	-0.857463411	-0.894614483	-0.7511709	-0.152067755
## 135	0.119561478	0.067187807	-0.3828675	-0.639292245
## 136	-0.301215140	-0.144214540	-0.4958028	-0.409619255
## 137	-0.356675679	-0.143541029	-0.5085937	-0.846953835
## 138	-0.856612405	-0.941887182	-0.7425724	-0.497294855
## 139	-0.315102481	-0.474699478	-0.5170805	-0.196079978
## 140	-0.880627516	-0.893331626	-0.7457925	-0.330615736
## 141	-1.005587163	-0.870303019	-0.8064643	-0.986725494
## 142	-0.203130353	-0.004614132	-0.4549859	-0.009526077
## 143	0.118502125	0.067055450	-0.3850859	-0.639436371
## 144	-1.178747636	-1.110977136	-0.9206448	-0.344915391
## 145	-0.325197035	-0.463571745	-0.5321782	-0.584675734
## 146	-0.529626294	-0.580906721	-0.6107695	0.032803984
## 147	-0.556100060	-0.630486518	-0.6153381	-0.093853650
## 148	3.801726905	4.406803015	2.4613361	1.069591424
## 149	0.624200626	-0.106735127	1.4190584	1.642521787
## 150	0.203181942	-0.515644035	1.1903685	0.735527484
## 151	0.390966773	-0.231708422	1.3053669	1.148754371
## 152	0.890573866	0.309703353	1.5639234	1.000127684
## 153	2.196492206	1.866375620	2.0472283	0.719574390
## 154	3.538730510	4.259049856	2.3841401	0.733702806
## 155	3.656854687	3.763184606	2.4248406	1.901269324
## 156	1.193025508	0.530018324	1.6777309	2.927588658
## 157	1.613445318	2.245584374	1.8750786	0.832965281
## 158	3.152456599	3.861242588	2.2744849	0.444567022
## 159	0.066392010	-0.204683702	1.1439034	0.070744960
## 160	1.683463283	1.145021215	1.8769018	0.576345052
## 161	0.808447569	0.339363266	1.5310216	0.931327400
## 162	0.396291218	0.087240488	1.3228295	0.811010264
## 163	-0.281533816	-0.693775796	0.9078048	1.507864668

## 164	1.820786665	1.382811710	1.9194255	0.584597525
## 165	1.240105079	0.603389998	1.6988504	1.875709455
## 166	1.626751398	0.755356573	1.8292985	1.259911145
## 167	2.051655216	2.177430269	2.0234425	1.405901806
## 168	0.977853502	0.837263230	1.6127808	1.192152948
## 169	2.314988793	2.131608342	2.0715833	3.143310086
## 170	1.618344009	0.847492444	1.8252527	1.640750993
## 171	0.788216187	0.423246788	1.5287452	1.512167485
## 172	2.518476208	1.788719856	2.1208359	1.109343520
## 173	-0.156513023	-0.666374000	0.9927499	1.765245922
## 174	1.160078867	0.290571826	1.6475933	2.247394351
## 175	2.754263580	2.228636768	2.1834389	2.747576827
## 176	2.337010759	2.367480007	2.0872986	0.424263595
## 177	1.413732320	0.665661793	1.7543156	1.937364738
## 178	0.971965410	0.836527564	1.6004505	1.191351870
## 179	0.940655860	0.431928086	1.5700527	2.486510819
## 180	0.874827499	0.418794752	1.5514403	1.856671663
## 181	0.501577846	0.117329099	1.3631137	0.811333092
## 182	0.856769678	0.053011587	1.5105312	1.920223927
## 183	1.645398028	2.077166736	1.8771558	0.194880773
## 184	1.623745452	0.726549342	1.8112963	1.217867212
## 185	0.458433735	0.797246649	1.3390812	3.621101539
## 186	0.603666787	1.014745089	1.4256567	3.503582426
## 187	-0.083355748	-0.568261441	1.0343631	1.697387899
## 188	2.574634511	2.110831689	2.1428165	2.370006883
## 189	-0.093184332	-0.569489437	1.0137810	1.696050714
## 190	0.537246596	-0.233038657	1.3409445	1.389408909
## 191	2.501315189	1.786575735	2.0848989	1.107008754
## 192	1.399389533	0.663869786	1.7242803	1.935413394
## 193	0.549821950	-0.136709427	1.3536457	2.081805553
## 194	1.655489312	1.363237212	1.8500808	1.565773439
## 195	-0.004760796	-0.395852469	1.0762892	0.757715635
## 196	0.187731488	-0.517574498	1.1580105	0.733425509
## 197	-0.004141792	-0.395775130	1.0775855	0.757799851
##	SVAR_cooc.L.ADC	SENT_cooc.L.ADC	ASM_cooc.L.ADC	Contrast_cooc.L.ADC
## 1	0.416886779	-0.214222736	0.11178526	0.802499685
## 2	-0.731608147	-1.152156990	0.07978965	-0.587553713
## 3	1.176197993	0.075523170	0.08346730	0.337079018
## 4	-0.687280334	-0.186920321	0.08199624	-0.870800706
## 5	-0.649793572	-0.219042333	0.06728562	-0.498864600
## 6	1.547365743	-0.824804405	0.03933543	0.431913847
## 7	-0.080408124	-1.406710334	0.04926510	0.512386755
## 8	-0.398380903	-1.370455387	0.09707463	-0.349033800
## 9	-0.363150218	-1.843652618	0.06324019	0.475468538
## 10	0.454221112	0.060511592	0.07721529	0.249695475
## 11	-0.639202332	-1.012362753	0.07133104	-0.550207106
## 12	-0.162989037	-0.032555007	0.05514935	-0.101132571
## 13	-1.115826670	-0.054588686	0.34494867	-1.125412082
## 14	-0.721638789	-0.858494082	0.09119038	-0.850750304
## 15	-0.588476992	-0.148626978	0.18423509	-1.047832529
## 16	-0.705201921	-0.974747436	0.08126071	-0.457100130
## 17	-0.958663433	-1.344094435	0.08273177	-0.511093146
## 18	-0.599162193	-0.061960597	0.06066583	-0.273298131
## 19	0.151271764	0.174856109	0.08457060	0.233493179

## 20	-0.195750267	-0.070183280	0.06397573	-0.587980154
## 21	-0.559260310	-0.454295694	0.08714496	-0.691848598
## 22	1.507346334	-0.090662250	0.07169880	0.523821668
## 23	-0.607888379	0.104898530	0.09560357	-0.386193303
## 24	-0.421754437	-0.530316638	0.06507902	-0.651035500
## 25	0.520322459	-0.975887556	0.04007096	-0.007948415
## 26	-0.453111856	-0.013764623	0.05404605	-0.098485309
## 27	1.682329757	-0.690356639	0.03639330	0.352997540
## 28	0.731058698	-0.132613477	0.05257499	0.228108482
## 29	0.914632768	-0.493824166	0.03933543	0.338177084
## 30	-0.976516868	0.091109126	0.12061163	-0.735654970
## 31	0.824126673	-0.010141288	0.08457060	0.554170196
## 32	-0.852846472	-0.114902752	0.12870248	-0.749612539
## 33	-0.414841453	0.051969331	0.07243433	-0.740651557
## 34	1.361297769	-0.413592552	0.04521968	0.093026934
## 35	0.591008308	-0.740694657	0.03529001	0.620385260
## 36	0.104000555	-0.807141185	0.05441382	-0.224748802
## 37	0.064544147	-0.081122384	0.05147169	-0.132588521
## 38	1.768574515	-0.523652983	0.05110393	1.674551775
## 39	-0.535525695	-0.068589703	0.09229368	-0.562410834
## 40	-1.224860407	-0.094505836	0.16768563	-0.982664207
## 41	-0.305551404	0.057190561	0.08089294	-0.920590378
## 42	0.181784948	0.141149158	0.05367829	0.560158563
## 43	-0.415114242	0.131164472	0.07647976	-0.798840509
## 44	0.824120590	-0.010586107	0.04669074	0.554156813
## 45	0.585035941	-0.032675929	0.58105420	0.319699395
## 46	-0.442124750	-0.281403433	0.58142197	-0.428405004
## 47	0.376135759	-0.575416150	0.53876115	0.924485513
## 48	0.012283888	0.075242458	0.53765786	-0.251769348
## 49	1.168729272	-0.206069152	0.55163295	1.554611618
## 50	-0.480677688	-0.532488911	0.56376922	-0.827872163
## 51	-0.805403581	0.066337432	0.58473186	-1.026739801
## 52	-0.681060868	-0.142732041	0.57480219	-0.919301439
## 53	-0.113596402	-0.055011913	0.55273625	-0.660064567
## 54	0.310939713	0.033718776	0.53729009	0.167754580
## 55	0.381450100	-0.044150544	0.56376922	1.364760443
## 56	0.202968373	-0.660463043	0.55052966	1.332970304
## 57	-0.076595157	-1.434980123	0.54758753	-0.512885706
## 58	0.210114105	-0.103998197	0.58326080	-0.001480204
## 59	0.714167438	0.013788273	0.59061611	1.061422509
## 60	-1.083471229	-0.004432051	0.70572675	-0.995724586
## 61	-0.365005469	0.172929998	0.54538094	-0.201015700
## 62	-0.771452154	-0.081351272	0.59392600	-0.679918250
## 63	-0.158336619	0.051187658	0.57075676	-0.851956994
## 64	-1.264406878	-0.388384676	0.70756558	-1.172697289
## 65	0.636574688	0.029542656	0.54133551	-0.095716950
## 66	0.002536056	-0.615998370	0.55163295	-0.481057627
## 67	-0.264003690	-0.223745328	0.54023222	-0.304168341
## 68	0.552562502	-0.292329581	0.53287690	0.167269019
## 69	-0.944970109	-0.173459134	0.61047545	-0.522676832
## 70	-0.384140523	-1.716399699	0.57112453	0.277148569
## 71	-0.911597770	-0.454943921	0.68744880	-0.289131352
## 72	-0.235428545	-0.340639135	0.68972895	-0.669408280
## 73	-0.369364522	-0.091977275	0.66652294	0.302555576

## 74	-1.245669716	-0.612678634	0.80388340	-1.141554388
## 75	-1.068982238	-1.133138151	0.70289496	-0.574491164
## 76	-0.272196446	-1.366464104	0.67156132	0.511245382
## 77	-0.022967827	0.161098231	0.67928440	0.335390859
## 78	-0.995366441	-0.753654450	0.69498800	-0.405394734
## 79	-0.945039207	-0.178511937	0.18018966	-0.522828854
## 80	-0.277634071	-1.182330002	0.14146394	-0.616791623
## 81	-0.763388027	-0.673637041	0.15562292	-0.640762425
## 82	-0.983270036	-0.089513925	0.22285048	-0.815178820
## 83	-0.618415960	-0.688082014	0.15786629	-0.722103288
## 84	0.563029424	0.146526723	0.15337955	-0.021378961
## 85	-0.312030235	-0.191898844	0.13429251	-0.309084602
## 86	-1.035067628	-1.972680065	0.28264917	-0.686715322
## 87	-0.825472562	-1.883542128	0.25032257	-0.600485769
## 88	-1.175882596	-0.538056928	0.25429444	-1.103806105
## 89	0.944894518	-1.017736432	0.11969222	0.400272911
## 90	-1.175997936	-0.546491224	-0.46395184	-1.104059865
## 91	-0.956715178	-0.288011809	-0.54471317	-0.874678878
## 92	-0.369565910	-0.106703822	-0.58755787	0.302112503
## 93	-0.995534757	-0.765962562	-0.35314405	-0.405765044
## 94	-0.721748377	-0.866509038	-0.59130908	-0.850991473
## 95	0.298962221	-0.433169360	-0.59057355	-0.160948757
## 96	-0.588586616	-0.156641502	-0.49822760	-1.048073698
## 97	-0.805584860	0.053078356	-0.54445574	-1.027138749
## 98	-0.588579352	-0.156110310	-0.45299242	-1.048057716
## 99	-0.771432665	-0.079926122	0.71528866	-0.679875372
## 100	-0.618531301	-0.696516309	-0.56037999	-0.722357048
## 101	-0.312145575	-0.200333140	-0.58395376	-0.309338362
## 102	-0.369577781	-0.107571868	-0.66147876	0.302086387
## 103	-0.369545771	-0.105231168	-0.46214979	0.302156811
## 104	-0.721741113	-0.865977846	-0.54607390	-0.850975491
## 105	-0.369528645	-0.103978763	-0.35549775	0.302194491
## 106	0.299049627	-0.426777779	-0.04628041	-0.160756455
## 107	-0.209531635	-0.005914639	0.52151295	-0.207183414
## 108	-0.956540366	-0.275228647	0.54387310	-0.874294275
## 109	-0.813480033	-0.823043266	0.51312789	-0.311391010
## 110	-0.794808065	-0.604514254	0.54295368	-0.867840525
## 111	-0.917603309	-0.032369306	0.62353113	-0.925340896
## 112	0.239096722	-0.967756429	0.50290401	-0.025623077
## 113	-0.369553508	-0.105796909	-0.51032708	0.302139789
## 114	-1.175985534	-0.545584310	-0.38672106	-1.104032579
## 115	-0.272385432	-1.380283738	-0.50528870	0.510829595
## 116	-0.312133173	-0.199426226	-0.50672298	-0.309311076
## 117	-0.958753379	-1.350671717	-0.47737528	-0.511291034
## 118	-0.639292277	-1.018940035	-0.48877602	-0.550404994
## 119	-0.442293656	-0.293754731	-0.47038774	-0.428776613
## 120	-1.176274919	-0.566745625	-2.18877265	-1.104669252
## 121	-0.956992160	-0.308266210	-2.26953398	-0.875288265
## 122	-0.369842893	-0.126958224	-2.31237868	0.301503116
## 123	-0.995811739	-0.786216963	-2.07796486	-0.406374431
## 124	-0.722025360	-0.886763440	-2.31612989	-0.851600860
## 125	0.298685239	-0.453423761	-2.31539436	-0.161558144
## 126	-0.588863598	-0.176895904	-2.22304841	-1.048683085
## 127	-0.805861842	0.032823955	-2.26927655	-1.027748136

## 128	-0.588856334	-0.176364712	-2.17781323	-1.048667103
## 129	-0.771709647	-0.100180523	-1.00953215	-0.680484759
## 130	-0.618808283	-0.716770710	-2.28520080	-0.722966435
## 131	-0.312422558	-0.220587541	-2.30877457	-0.309947750
## 132	-0.369854763	-0.127826270	-2.38629957	0.301476999
## 133	-0.369822754	-0.125485569	-2.18697060	0.301547423
## 134	-0.722018096	-0.886232247	-2.27089471	-0.851584878
## 135	-0.369805627	-0.124233165	-2.08031856	0.301585104
## 136	0.298772644	-0.447032180	-1.77110122	-0.161365843
## 137	-0.209808618	-0.026169040	-1.20330786	-0.207792801
## 138	-0.956817349	-0.295483049	-1.18094771	-0.874903662
## 139	-0.813757016	-0.843297667	-1.21169292	-0.312000397
## 140	-0.795085048	-0.624768655	-1.18186713	-0.868449913
## 141	-0.917880291	-0.052623707	-1.10128968	-0.925950284
## 142	0.238819740	-0.988010830	-1.22191680	-0.026232464
## 143	-0.369830490	-0.126051310	-2.23514789	0.301530402
## 144	-1.176262516	-0.565838712	-2.11154187	-1.104641966
## 145	-0.312410156	-0.219680628	-2.23154379	-0.309920464
## 146	-0.959030361	-1.370926118	-2.20219609	-0.511900421
## 147	-0.639569260	-1.039194437	-2.21359683	-0.551014382
## 148	4.055880143	1.743812136	1.18823526	4.674973135
## 149	0.757066223	1.090972616	1.21250779	-0.089994426
## 150	0.107614437	2.288625302	1.25443307	-0.487729704
## 151	0.356299862	1.870486358	1.23457373	-0.272852979
## 152	1.491228794	2.045926614	1.19044185	0.245620766
## 153	2.340301026	2.223387992	1.15954954	1.901259059
## 154	2.481321799	2.067649351	1.21250779	4.295270784
## 155	2.124358344	0.835024354	1.18602867	4.231690508
## 156	1.565231285	-0.714009807	1.18014442	0.539978488
## 157	2.138649809	1.947954045	1.25149095	1.562789492
## 158	3.146756474	2.183526984	1.26620157	3.688594917
## 159	-0.448520858	2.147086336	1.49642286	-0.425699272
## 160	0.988410661	2.501810434	1.17573123	1.163718500
## 161	0.175517291	1.993247896	1.27282135	0.205913400
## 162	1.401748361	2.258325754	1.22648289	-0.138164090
## 163	-0.810392158	1.379181087	1.50010051	-0.779644679
## 164	2.991570974	2.215035750	1.16764038	1.374316000
## 165	1.723493711	0.923953700	1.18823526	0.603634645
## 166	1.190414218	1.708459784	1.16543379	0.957413217
## 167	2.823546602	1.571291277	1.15072317	1.900287937
## 168	-0.171518619	1.809032172	1.30592026	0.520396235
## 169	0.950140553	-1.276848959	1.22721842	2.120047036
## 170	-0.104773940	1.246062597	1.45986695	0.987487196
## 171	1.247564510	1.474672169	1.46442725	0.226933339
## 172	0.979692555	1.971995890	1.41801523	2.170861051
## 173	-0.772917834	0.930593170	1.69273615	-0.717358876
## 174	-0.419542877	-0.110325862	1.49075927	0.416767571
## 175	1.174028707	-0.576977769	1.42809200	2.588240663
## 176	1.672485944	2.478146902	1.44353816	2.236531617
## 177	-0.272311284	0.648641538	1.47494535	0.754960432
## 178	-0.171656815	1.798926564	0.44534868	0.520092191
## 179	1.163153457	-0.208709565	0.36789724	0.332166654
## 180	0.191645545	0.808676357	0.39621520	0.284225050
## 181	-0.248118472	1.976922589	0.53067031	-0.064607740

## 182	0.481589678	0.779786412	0.40070194	0.121543323
## 183	2.844480447	2.449003885	0.39172846	1.522991978
## 184	1.094361129	1.772152751	0.35355438	0.947580694
## 185	-0.351713656	-1.789409690	0.65026769	0.192319256
## 186	0.067476475	-1.611133818	0.58561450	0.364778361
## 187	-0.633343593	1.079836582	0.59355823	-0.641862310
## 188	3.608210634	0.120477576	0.32435379	2.366295721
## 189	-0.633574274	1.062967991	-0.84293432	-0.642369830
## 190	-0.195008757	1.579926821	-1.00445699	-0.183607856
## 191	0.979289778	1.942542794	-1.09014638	2.169974906
## 192	-0.272647915	0.624025315	-0.62131875	0.754219812
## 193	0.274924844	0.422932363	-1.09764880	-0.136233047
## 194	2.316346041	1.289611720	-1.09617773	1.243852386
## 195	0.541248367	1.842667434	-0.91148583	-0.530397496
## 196	0.107251879	2.262107152	-1.00394211	-0.488527598
## 197	0.541262895	1.843729819	-0.82101549	-0.530365533
##	Dissimilarity_cooc.L.ADC	Inv_diff_cooc.L.ADC	Inv_diff_norm_cooc.L.ADC	
## 1	0.108018805	-0.514449068	-0.6074400	
## 2	-0.585195788	-0.476049198	-0.5436049	
## 3	-0.214633520	-0.417226927	-0.5736895	
## 4	-0.867378806	-0.206818655	-0.5106365	
## 5	-0.488329131	-0.523006342	-0.5549202	
## 6	0.056530715	-0.700623714	-0.6088330	
## 7	0.206835578	-0.841207505	-0.6280422	
## 8	-0.523323016	-0.315186825	-0.5459755	
## 9	0.120836728	-0.821216561	-0.6177533	
## 10	-0.236062147	-0.447357161	-0.5730052	
## 11	-0.540466421	-0.501145742	-0.5489571	
## 12	-0.246114680	-0.599662260	-0.5792616	
## 13	-1.286427244	0.452594828	-0.4570414	
## 14	-0.841302612	-0.257515112	-0.5138625	
## 15	-1.118591469	0.178762053	-0.4790367	
## 16	-0.526591662	-0.460804307	-0.5485905	
## 17	-0.513992655	-0.551123100	-0.5518409	
## 18	-0.336919622	-0.610161101	-0.5709034	
## 19	-0.196025640	-0.416507828	-0.5780886	
## 20	-0.614065051	-0.368328217	-0.5393281	
## 21	-0.721716477	-0.267438673	-0.5265708	
## 22	0.194805251	-0.804677292	-0.6260871	
## 23	-0.564023820	-0.383357379	-0.5418942	
## 24	-0.649111778	-0.385874225	-0.5360532	
## 25	-0.091328325	-0.753621286	-0.5988374	
## 26	-0.216963594	-0.660210369	-0.5834896	
## 27	0.078920561	-0.755562853	-0.6138186	
## 28	-0.031106232	-0.685091183	-0.6014768	
## 29	0.098781547	-0.792668344	-0.6169713	
## 30	-0.825706718	-0.218539964	-0.5133737	
## 31	0.206010239	-0.816110961	-0.6271624	
## 32	-0.813346758	-0.205955737	-0.5151822	
## 33	-0.762850081	-0.261613974	-0.5221718	
## 34	-0.048483651	-0.731329227	-0.6023322	
## 35	0.318289101	-0.908155591	-0.6408972	
## 36	-0.343985332	-0.511572673	-0.5683862	
## 37	-0.316970566	-0.536956856	-0.5702680	

## 38	0.632330721	-0.777423452	-0.6608640
## 39	-0.612668516	-0.403348323	-0.5390103
## 40	-1.017187962	-0.058612419	-0.4922094
## 41	-0.909048378	-0.199555759	-0.5060175
## 42	0.181260123	-0.769009998	-0.6232032
## 43	-0.806442090	-0.224077023	-0.5173817
## 44	0.205751062	-0.823517677	-0.6296796
## 45	0.083938020	-0.696956311	-0.5825365
## 46	-0.528526680	-0.253631979	-0.5141313
## 47	0.277505259	-0.654313759	-0.5955381
## 48	-0.275753924	-0.569172477	-0.5457311
## 49	0.779980911	-0.918726342	-0.6507462
## 50	-0.808782229	-0.180715373	-0.4847554
## 51	-1.019291571	0.009270496	-0.4598764
## 52	-0.925399155	-0.056814672	-0.4704585
## 53	-0.675595609	-0.233856765	-0.4993212
## 54	-0.022636439	-0.648057601	-0.5711478
## 55	0.648482713	-0.873063576	-0.6370602
## 56	0.707544802	-0.878384906	-0.6452229
## 57	-0.524369788	-0.389253989	-0.5171129
## 58	-0.314159883	-0.256436464	-0.5337070
## 59	0.455345758	-0.791373967	-0.6171423
## 60	-1.087686537	0.255202242	-0.4490009
## 61	-0.279150900	-0.519338939	-0.5439715
## 62	-0.716658757	-0.171151361	-0.4938957
## 63	-0.922736933	0.037459164	-0.4689188
## 64	-1.261649450	0.425772447	-0.4287164
## 65	-0.210489209	-0.562556769	-0.5511322
## 66	-0.500830003	-0.399393280	-0.5196301
## 67	-0.307506843	-0.554215224	-0.5425540
## 68	-0.095054934	-0.566583721	-0.5611522
## 69	-0.631955791	-0.170072713	-0.5019117
## 70	0.036611855	-0.653666571	-0.5768666
## 71	-0.311710537	-0.544291662	-0.5332696
## 72	-0.726774448	-0.113278300	-0.4836972
## 73	0.138355562	-0.741691439	-0.5819255
## 74	-1.199139053	0.337747579	-0.4284940
## 75	-0.540843108	-0.398127666	-0.5079897
## 76	0.256249248	-0.792057110	-0.5934486
## 77	0.047622838	-0.654551062	-0.5689336
## 78	-0.414016382	-0.474129205	-0.5217123
## 79	-0.634899837	-0.254207258	-0.5305055
## 80	-0.650554612	-0.357153424	-0.5295475
## 81	-0.683468792	-0.288839050	-0.5253317
## 82	-0.870093619	-0.149901995	-0.5033609
## 83	-0.692497703	-0.376820773	-0.5262824
## 84	-0.298183528	-0.437491128	-0.5646250
## 85	-0.309009816	-0.647654906	-0.5702094
## 86	-0.891665674	0.156757634	-0.4964276
## 87	-0.819049148	0.066453222	-0.5048053
## 88	-1.162560416	0.203218599	-0.4688333
## 89	0.166434714	-0.814068721	-0.6195325
## 90	-1.167474708	0.062778628	-0.5165630
## 91	-0.852259244	-0.398249913	-0.5559393

## 92	0.129775053	-0.986904087	-0.6652630
## 93	-0.421187775	-0.679072327	-0.5913639
## 94	-0.845971567	-0.390979825	-0.5592264
## 95	-0.293137886	-0.706052909	-0.6171423
## 96	-1.123262940	0.045290149	-0.5244079
## 97	-1.027016798	-0.211464033	-0.5349070
## 98	-1.122953438	0.054135062	-0.5214019
## 99	-0.715828385	-0.147421105	-0.4858307
## 100	-0.697411995	-0.517260743	-0.5740121
## 101	-0.313924108	-0.788094877	-0.6179390
## 102	0.129269281	-1.001357970	-0.6701753
## 103	0.130633104	-0.962382822	-0.6569293
## 104	-0.845662065	-0.382134912	-0.5562204
## 105	0.131362824	-0.941528960	-0.6498419
## 106	-0.289413794	-0.599626305	-0.5809724
## 107	-0.344874333	-0.440647971	-0.5375758
## 108	-0.844811059	-0.185396706	-0.4835994
## 109	-0.303301135	-0.576018296	-0.5461148
## 110	-0.868826170	-0.112731785	-0.4799385
## 111	-0.993785817	0.091801451	-0.4634078
## 112	-0.191329007	-0.531160921	-0.5548054
## 113	0.130303471	-0.971803015	-0.6601308
## 114	-1.166946289	0.077879700	-0.5114308
## 115	0.248197157	-1.022168686	-0.6716539
## 116	-0.313395689	-0.772993804	-0.6128068
## 117	-0.517824947	-0.660641828	-0.5890617
## 118	-0.544298713	-0.610664470	-0.5861779
## 119	-0.535723236	-0.459294199	-0.5840273
## 120	-1.179276054	-0.274478649	-0.6311826
## 121	-0.864060590	-0.735507191	-0.6705590
## 122	0.117973706	-1.324161364	-0.7798827
## 123	-0.432989121	-1.016329604	-0.7059835
## 124	-0.857772913	-0.728237103	-0.6738461
## 125	-0.304939232	-1.043310187	-0.7317620
## 126	-1.135064286	-0.291967129	-0.6390276
## 127	-1.038818144	-0.548721310	-0.6495267
## 128	-1.134754784	-0.283122215	-0.6360216
## 129	-0.727629731	-0.484678383	-0.6004504
## 130	-0.709213341	-0.854518021	-0.6886317
## 131	-0.325725454	-1.125352154	-0.7325587
## 132	0.117467934	-1.338615248	-0.7847949
## 133	0.118831757	-1.299640100	-0.7715489
## 134	-0.857463411	-0.719392189	-0.6708400
## 135	0.119561478	-1.278786238	-0.7644616
## 136	-0.301215140	-0.936883583	-0.6955920
## 137	-0.356675679	-0.777905248	-0.6521954
## 138	-0.856612405	-0.522653983	-0.5982191
## 139	-0.315102481	-0.913275574	-0.6607344
## 140	-0.880627516	-0.449989063	-0.5945581
## 141	-1.005587163	-0.245455827	-0.5780275
## 142	-0.203130353	-0.868418198	-0.6694250
## 143	0.118502125	-1.309060292	-0.7747504
## 144	-1.178747636	-0.259377577	-0.6260504
## 145	-0.325197035	-1.110251082	-0.7274265

## 146	-0.529626294	-0.997899105	-0.7036814
## 147	-0.556100060	-0.947921748	-0.7007976
## 148	3.801726905	0.371840047	1.4772200
## 149	0.624200626	1.847861983	1.8092015
## 150	0.203181942	2.227833722	1.8589596
## 151	0.390966773	2.095663386	1.8377953
## 152	0.890573866	1.741579199	1.7800700
## 153	2.196492206	0.913177528	1.6364167
## 154	3.538730510	0.463165578	1.5045919
## 155	3.656854687	0.452522918	1.4882665
## 156	1.193025508	1.430784753	1.7444866
## 157	1.613445318	1.696419803	1.7112982
## 158	3.152456599	0.626544797	1.5444277
## 159	0.066392010	2.719697214	1.8807105
## 160	1.683463283	1.170614853	1.6907694
## 161	0.808447569	1.866990008	1.7909210
## 162	0.396291218	2.284211058	1.8408746
## 163	-0.281533816	3.060837625	1.9212795
## 164	1.820786665	1.084179192	1.6764480
## 165	1.240105079	1.410506170	1.7394522
## 166	1.626751398	1.100862282	1.6936043
## 167	2.051655216	1.076125287	1.6564079
## 168	0.977853502	1.869147304	1.7748889
## 169	2.314988793	0.901959589	1.6249791
## 170	1.618344009	1.120709405	1.7121732
## 171	0.788216187	1.982736130	1.8113179
## 172	2.518476208	0.725909852	1.6148613
## 173	-0.156513023	2.884787888	1.9217243
## 174	1.160078867	1.413037398	1.7627329
## 175	2.754263580	0.625178509	1.5918152
## 176	2.337010759	0.900190606	1.6408450
## 177	1.413732320	1.261034320	1.7352877
## 178	0.971965410	1.700878214	1.7177013
## 179	0.940655860	1.494985882	1.7196173
## 180	0.874827499	1.631614630	1.7280488
## 181	0.501577846	1.909488739	1.7719904
## 182	0.856769678	1.455651185	1.7261475
## 183	1.645398028	1.334310475	1.6494623
## 184	1.623745452	0.913982918	1.6382936
## 185	0.458433735	2.522807998	1.7858572
## 186	0.603666787	2.342199175	1.7691017
## 187	-0.083355748	2.615729928	1.8410457
## 188	2.574634511	0.581155289	1.5396474
## 189	-0.093184332	2.334849986	1.7455864
## 190	0.537246596	1.412792904	1.6668336
## 191	2.501315189	0.235484557	1.4481863
## 192	1.399389533	0.851148076	1.5959845
## 193	0.549821950	1.427333079	1.6602595
## 194	1.655489312	0.797186912	1.5444277
## 195	-0.004760796	2.299873027	1.7298964
## 196	0.187731488	1.786364665	1.7088983
## 197	-0.004141792	2.317562854	1.7359085
##	IDM_cooc.L.ADC	IDM_norm_cooc.L.ADC	Inv_var_cooc.L.ADC
## 1	-0.402526010	-0.5963440	-0.447374115

## 2	-0.456380879	-0.5504203	-0.423970659
## 3	-0.320385626	-0.5792879	-0.308151189
## 4	-0.101407043	-0.5395436	-0.103232733
## 5	-0.501057006	-0.5542055	-0.479622973
## 6	-0.684912847	-0.5864250	-0.688319153
## 7	-0.852846380	-0.5902330	-0.861541589
## 8	-0.198814112	-0.5585607	-0.194727350
## 9	-0.847133080	-0.5865618	-0.875823226
## 10	-0.370119427	-0.5762324	-0.429867592
## 11	-0.480264343	-0.5520165	-0.451059699
## 12	-0.571770791	-0.5680920	-0.554163904
## 13	0.842692235	-0.5288266	0.771632709
## 14	-0.184015730	-0.5403873	-0.196478002
## 15	0.451752712	-0.5325434	0.409063408
## 16	-0.425098225	-0.5548439	-0.400382923
## 17	-0.556504106	-0.5532478	-0.476582366
## 18	-0.605394962	-0.5619126	-0.595995280
## 19	-0.297813411	-0.5779198	-0.304189187
## 20	-0.295284574	-0.5503747	-0.347034098
## 21	-0.160881552	-0.5464755	-0.169388961
## 22	-0.797586600	-0.5904154	-0.843205810
## 23	-0.329096066	-0.5558016	-0.349798286
## 24	-0.328627763	-0.5480489	-0.343717072
## 25	-0.764992697	-0.5723332	-0.783038655
## 26	-0.658313225	-0.5681832	-0.656254574
## 27	-0.744668337	-0.5845780	-0.733651833
## 28	-0.663932863	-0.5796756	-0.678644495
## 29	-0.799085171	-0.5843956	-0.816577467
## 30	-0.128287648	-0.5435340	-0.116500834
## 31	-0.823343277	-0.5908487	-0.916825345
## 32	-0.097847939	-0.5436936	-0.083422720
## 33	-0.164346995	-0.5443777	-0.195188047
## 34	-0.729307992	-0.5757308	-0.821460866
## 35	-0.922529898	-0.5948391	-0.909362038
## 36	-0.456661861	-0.5636684	-0.472159666
## 37	-0.500307721	-0.5660170	-0.520348673
## 38	-0.716289163	-0.6248696	-0.802203690
## 39	-0.355883010	-0.5509676	-0.329896133
## 40	0.084977635	-0.5348692	0.088786180
## 41	-0.104966148	-0.5376967	-0.086555467
## 42	-0.757874488	-0.5914415	-0.793174010
## 43	-0.115362479	-0.5423483	-0.165519098
## 44	-0.832990323	-0.5931973	-0.926315723
## 45	-0.680042494	-0.5524497	-0.732638297
## 46	-0.114238551	-0.5255659	-0.098902172
## 47	-0.609984333	-0.5706231	-0.654596061
## 48	-0.546857060	-0.5328398	-0.534446031
## 49	-0.887688139	-0.5939042	-0.849287023
## 50	-0.073964475	-0.5108128	-0.063428429
## 51	0.168429268	-0.5030373	0.168118370
## 52	0.088349419	-0.5071189	0.099935071
## 53	-0.124728543	-0.5170834	-0.160543560
## 54	-0.613356116	-0.5472964	-0.584569970
## 55	-0.848912633	-0.5868355	-0.860251634

## 56	-0.830929789	-0.5884088	-0.880522345
## 57	-0.330688297	-0.5228068	-0.323077803
## 58	-0.087357947	-0.5401365	-0.084712675
## 59	-0.739891645	-0.5765061	-0.620320133
## 60	0.544570409	-0.5038125	0.494016113
## 61	-0.476611578	-0.5342991	-0.496300240
## 62	-0.035750933	-0.5162626	-0.046751162
## 63	0.230057971	-0.5094447	0.186638429
## 64	0.781157193	-0.4970631	0.759193864
## 65	-0.531122072	-0.5379019	-0.545594922
## 66	-0.342770520	-0.5239925	-0.348416192
## 67	-0.528686895	-0.5310156	-0.526245607
## 68	-0.522411632	-0.5461335	-0.535091008
## 69	-0.009994256	-0.5216895	0.014613807
## 70	-0.617102542	-0.5508992	-0.642525775
## 71	-0.522280507	-0.5234544	-0.459730035
## 72	0.042586829	-0.5088359	0.033235219
## 73	-0.729345456	-0.5453856	-0.753351278
## 74	0.646201572	-0.4906374	0.626300928
## 75	-0.353681984	-0.5129357	-0.352534832
## 76	-0.786487814	-0.5524885	-0.757101359
## 77	-0.627377115	-0.5442021	-0.616072497
## 78	-0.441938408	-0.5190741	-0.412066223
## 79	-0.119577208	-0.5483681	-0.093189517
## 80	-0.294160646	-0.5440174	-0.285521705
## 81	-0.193541018	-0.5432057	-0.195989662
## 82	-0.028192519	-0.5361917	-0.018842079
## 83	-0.325977166	-0.5405013	-0.285254500
## 84	-0.345168232	-0.5644072	-0.352009636
## 85	-0.653386675	-0.5562782	-0.654881694
## 86	0.458196564	-0.5405834	0.379265463
## 87	0.329478743	-0.5433813	0.251753479
## 88	0.475786033	-0.5253789	0.462799219
## 89	-0.810717823	-0.5818235	-0.832794036
## 90	0.292866798	-0.5699117	0.282850592
## 91	-0.367422001	-0.5790462	-0.345688860
## 92	-1.048728248	-0.6231412	-1.067547292
## 93	-0.708871240	-0.5840604	-0.674664065
## 94	-0.357896713	-0.5827014	-0.367498302
## 95	-0.718574482	-0.6053281	-0.736360737
## 96	0.277871729	-0.5748620	0.238043108
## 97	-0.119137003	-0.5730470	-0.114768610
## 98	0.289391988	-0.5720573	0.249376278
## 99	-0.004842921	-0.5087378	-0.016345096
## 100	-0.508896402	-0.5850341	-0.465203127
## 101	-0.836305910	-0.6008110	-0.834830321
## 102	-1.067554037	-0.6277244	-1.086067351
## 103	-1.016789969	-0.6153656	-1.036127691
## 104	-0.346376454	-0.5798967	-0.356165132
## 105	-0.989628382	-0.6087530	-1.009407209
## 106	-0.579956731	-0.5715808	-0.599994138
## 107	-0.374549576	-0.5359340	-0.377145317
## 108	-0.090186498	-0.5115516	-0.072955663
## 109	-0.559295193	-0.5332616	-0.580073558

## 110	0.016399313	-0.5116200	0.001852474
## 111	0.307346733	-0.5091027	0.315670716
## 112	-0.482736984	-0.5425832	-0.535579348
## 113	-1.029059513	-0.6183527	-1.048197978
## 114	0.312535533	-0.5651232	0.302199907
## 115	-1.086201871	-0.6254556	-1.051948059
## 116	-0.816637175	-0.5960225	-0.815481006
## 117	-0.699149265	-0.5879756	-0.616910968
## 118	-0.622909502	-0.5867443	-0.591388300
## 119	-0.382107990	-0.5907803	-0.362421410
## 120	-0.146401616	-0.6768541	-0.149284102
## 121	-0.806690415	-0.6859887	-0.777823554
## 122	-1.487996662	-0.7300837	-1.499681986
## 123	-1.148139654	-0.6910029	-1.106798759
## 124	-0.797165128	-0.6896439	-0.799632996
## 125	-1.157842896	-0.7122705	-1.168495431
## 126	-0.161396685	-0.6818045	-0.194091586
## 127	-0.558405417	-0.6799894	-0.546903304
## 128	-0.149876426	-0.6789998	-0.182758416
## 129	-0.444111335	-0.6156803	-0.448479790
## 130	-0.948164816	-0.6919766	-0.897337821
## 131	-1.275574324	-0.7077534	-1.266965015
## 132	-1.506822451	-0.7346669	-1.518202045
## 133	-1.456058383	-0.7223081	-1.468262385
## 134	-0.785644869	-0.6868392	-0.788299826
## 135	-1.428896796	-0.7156954	-1.441541903
## 136	-1.019225145	-0.6785232	-1.032128832
## 137	-0.813817990	-0.6428765	-0.809280011
## 138	-0.529454913	-0.6184941	-0.505090357
## 139	-0.998563608	-0.6402041	-1.012208252
## 140	-0.422869101	-0.6185625	-0.430282221
## 141	-0.131921681	-0.6160451	-0.116463979
## 142	-0.922005398	-0.6495256	-0.967714043
## 143	-1.468327927	-0.7252952	-1.480332672
## 144	-0.126732881	-0.6720657	-0.129934787
## 145	-1.255905589	-0.7029650	-1.247615700
## 146	-1.138417679	-0.6949180	-1.049045662
## 147	-1.062177916	-0.6936867	-1.023522994
## 148	0.090035310	1.6095895	0.189218337
## 149	1.717482637	1.7757722	1.760935526
## 150	2.202270124	1.7913233	2.224029123
## 151	2.042110425	1.7831601	2.087662525
## 152	1.615954501	1.7632310	1.566705262
## 153	0.638699355	1.7028051	0.718652442
## 154	0.167586322	1.6237269	0.167289114
## 155	0.203552009	1.6205802	0.126747693
## 156	1.204034994	1.7517843	1.241636776
## 157	1.690695694	1.7171249	1.718367033
## 158	0.385628298	1.6443857	0.647152118
## 159	2.954552406	1.7897728	2.875824609
## 160	0.912188432	1.7287996	0.895191904
## 161	1.793909722	1.7648727	1.794290059
## 162	2.325527530	1.7785085	2.261069240
## 163	3.427725973	1.8032717	3.406180110

## 164	0.803167444	1.7215941	0.796602539
## 165	1.179870548	1.7494128	1.190959999
## 166	0.808037797	1.7353667	0.835301168
## 167	0.820588323	1.7051309	0.817610366
## 168	1.845423075	1.7540189	1.917019997
## 169	0.631206504	1.6955996	0.602740834
## 170	0.820850573	1.7504891	0.968332313
## 171	1.950585245	1.7797261	1.954262821
## 172	0.406720675	1.7066267	0.381089827
## 173	3.157814733	1.8161230	3.140394238
## 174	1.158047619	1.7715264	1.182722720
## 175	0.292435959	1.6924209	0.373589664
## 176	0.610657359	1.7089936	0.655647388
## 177	0.981534771	1.7592497	1.063659937
## 178	1.626257171	1.7006617	1.701413348
## 179	1.277090296	1.7093630	1.316748973
## 180	1.478329552	1.7109865	1.495813059
## 181	1.809026550	1.7250144	1.850108224
## 182	1.213457255	1.7163952	1.317283382
## 183	1.175075124	1.6685835	1.183773111
## 184	0.558638238	1.6848415	0.578028995
## 185	2.781804717	1.7162310	2.646323309
## 186	2.524369074	1.7106354	2.391299342
## 187	2.816983654	1.7466401	2.813390820
## 188	0.243975943	1.6337508	0.222204312
## 189	2.451145184	1.6575746	2.453493567
## 190	1.130567586	1.6393054	1.196414663
## 191	-0.232044908	1.5511155	-0.247302202
## 192	0.447669108	1.6292770	0.538464253
## 193	1.149618161	1.6319950	1.152795780
## 194	0.428262623	1.5867417	0.415070909
## 195	2.421155046	1.6476738	2.363878599
## 196	1.627137581	1.6513039	1.658255163
## 197	2.444195564	1.6532832	2.386544939
##	Correlation_cooc.L.ADC	Autocorrelation_.L.ADC	Tendency_cooc.L.ADC
## 1	-0.704711654	-0.69982384	0.416886779
## 2	-0.518121594	0.23540085	-0.731608147
## 3	0.094129416	-1.11209879	1.176197993
## 4	0.060383597	-0.56029639	-0.687280334
## 5	-0.529750221	-0.49523264	-0.649793572
## 6	0.189172541	0.26950151	1.547365743
## 7	-0.937208189	0.74243768	-0.080408124
## 8	-0.401417302	0.51652240	-0.398380903
## 9	-1.246050841	1.28300412	-0.363150218
## 10	-0.249447108	-1.04292709	0.454221112
## 11	-0.434251072	0.16211903	-0.639202332
## 12	-0.435315129	-0.76929761	-0.162989037
## 13	-0.052330480	-1.49795578	-1.115826670
## 14	-0.026071065	0.07153208	-0.721638789
## 15	0.532255038	-0.81682376	-0.588476992
## 16	-0.681834421	0.10277110	-0.705201921
## 17	-1.097652840	0.35223726	-0.958663433
## 18	-0.773457361	-0.68986638	-0.599162193
## 19	-0.470163008	-1.16731333	0.151271764

## 20	0.125481107	-0.64750620	-0.195750267
## 21	-0.097096894	-0.30894184	-0.559260310
## 22	0.113852480	-0.80717556	1.507346334
## 23	-0.631975732	-1.17202757	-0.607888379
## 24	-0.002661802	-0.21622138	-0.421754437
## 25	0.016377224	0.31707252	0.520322459
## 26	-0.780677750	-0.71996205	-0.453111856
## 27	0.291322048	0.07823822	1.682329757
## 28	-0.055484650	-0.68497149	0.731058698
## 29	-0.037433677	-0.24064104	0.914632768
## 30	-0.719570455	-1.21091551	-0.976516868
## 31	-0.246140930	-0.93331745	0.824126673
## 32	-0.437443244	-0.77031975	-0.852846472
## 33	0.144596137	-0.77821253	-0.414841453
## 34	0.347869097	-0.32979710	1.361297769
## 35	-0.443789586	0.04367566	0.591008308
## 36	-0.062287017	0.07738002	0.104000555
## 37	-0.191151965	-0.62133024	0.064544147
## 38	-0.414299996	-0.02366884	1.768574515
## 39	-0.272210335	-0.82534585	-0.535525695
## 40	-0.812713477	-0.84681687	-1.224860407
## 41	0.536321257	-0.72482726	-0.305551404
## 42	-0.719456449	-1.07440203	0.181784948
## 43	0.238803216	-0.86305390	-0.415114242
## 44	-0.250055141	-0.93331918	0.824120590
## 45	-0.167400684	-0.88553873	0.585035941
## 46	-0.297443696	-0.43476061	-0.442124750
## 47	-0.772849328	-0.11882773	0.376135759
## 48	-0.056320695	-0.85951650	0.012283888
## 49	-0.610238560	-0.59258877	1.168729272
## 50	0.273309077	-0.24847679	-0.480677688
## 51	0.285811751	-0.84663671	-0.805403581
## 52	0.216115993	-0.59465813	-0.681060868
## 53	0.342016781	-0.65484373	-0.113596402
## 54	-0.232118174	-0.81468277	0.310939713
## 55	-1.056458619	-0.84054238	0.381450100
## 56	-1.198282265	-0.07679119	0.202968373
## 57	0.178227950	0.84682844	-0.076595157
## 58	-0.153757949	-0.75209527	0.210114105
## 59	-0.609022495	-0.96122969	0.714167438
## 60	-0.308844311	-1.19983977	-1.083471229
## 61	-0.495130354	-0.92881321	-0.365005469
## 62	-0.373827814	-0.74242625	-0.771452154
## 63	0.585191892	-0.76343321	-0.158336619
## 64	-0.252297262	-0.38881762	-1.264406878
## 65	0.213721864	-0.85646571	0.636574688
## 66	0.201105184	-0.05191615	0.002536056
## 67	-0.255641442	-0.51329637	-0.264003690
## 68	-0.063807099	-0.37301579	0.552562502
## 69	-0.994819296	-0.59863218	-0.944970109
## 70	-1.037761611	1.00913516	-0.384140523
## 71	-1.273039896	-0.29807313	-0.911597770
## 72	0.268589222	-0.32894710	-0.235428545
## 73	-1.029648173	-0.63700295	-0.369364522

## 74	-0.294905159	-0.20297475	-1.245669716
## 75	-1.206623715	0.17107657	-1.068982238
## 76	-1.095403119	0.63082965	-0.272196446
## 77	-0.659474015	-1.00061782	-0.022967827
## 78	-1.299196706	-0.07818009	-0.995366441
## 79	-1.039281693	-0.59865188	-0.945039207
## 80	0.099924729	0.43353634	-0.277634071
## 81	-0.472154316	-0.11527729	-0.763388027
## 82	-0.558046547	-0.82280153	-0.983270036
## 83	-0.113589783	-0.05358087	-0.618415960
## 84	0.062724523	-1.05769565	0.563029424
## 85	-0.344228018	-0.54341419	-0.312030235
## 86	-0.953218453	1.48921617	-1.035067628
## 87	-0.653013667	1.37592728	-0.825472562
## 88	-0.269595794	-0.24862526	-1.175882596
## 89	-0.058464011	0.38708298	0.944894518
## 90	-0.343813796	-0.24865814	-1.175997936
## 91	-0.442626724	-0.45663450	-0.956715178
## 92	-1.159235160	-0.63706035	-0.369565910
## 93	-1.407502546	-0.07822807	-0.995534757
## 94	-0.096610468	0.07150084	-0.721748377
## 95	-0.050635589	-0.26800664	0.298962221
## 96	0.461704234	-0.81685501	-0.588586616
## 97	0.169126460	-0.84668839	-0.805584860
## 98	0.466378486	-0.81685294	-0.588579352
## 99	-0.361287138	-0.74242069	-0.771432665
## 100	-0.187807785	-0.05361375	-0.618531301
## 101	-0.418446020	-0.54344707	-0.312145575
## 102	-1.166873572	-0.63706373	-0.369577781
## 103	-1.146276461	-0.63705461	-0.369545771
## 104	-0.091936216	0.07150291	-0.721741113
## 105	-1.135255867	-0.63704973	-0.369528645
## 106	0.005607443	-0.26798173	0.299049627
## 107	-0.317793793	-0.85480683	-0.209531635
## 108	-0.330140659	-0.45658467	-0.956540366
## 109	-1.048329981	-0.02393246	-0.813480033
## 110	-0.053546546	-0.20946294	-0.794808065
## 111	-0.136626625	-1.02926310	-0.917603309
## 112	-0.112685334	0.34742535	0.239096722
## 113	-1.151254730	-0.63705681	-0.369553508
## 114	-0.335833366	-0.24865460	-1.175985534
## 115	-1.217009675	0.63077578	-0.272385432
## 116	-0.410465590	-0.54344353	-0.312133173
## 117	-1.155529960	0.35221162	-0.958753379
## 118	-0.492128192	0.16209339	-0.639292277
## 119	-0.406129556	-0.43480875	-0.442293656
## 120	-0.522043405	-0.24873709	-1.176274919
## 121	-0.620856333	-0.45671344	-0.956992160
## 122	-1.337464770	-0.63713930	-0.369842893
## 123	-1.585732155	-0.07830701	-0.995811739
## 124	-0.274840077	0.07142189	-0.722025360
## 125	-0.228865198	-0.26808559	0.298685239
## 126	0.283474625	-0.81693396	-0.588863598
## 127	-0.009103150	-0.84676733	-0.805861842

## 128	0.288148877	-0.81693189	-0.588856334
## 129	-0.539516747	-0.74249964	-0.771709647
## 130	-0.366037394	-0.05369269	-0.618808283
## 131	-0.596675629	-0.54352602	-0.312422558
## 132	-1.345103181	-0.63714268	-0.369854763
## 133	-1.324506071	-0.63713356	-0.369822754
## 134	-0.270165825	0.07142396	-0.722018096
## 135	-1.313485477	-0.63712868	-0.369805627
## 136	-0.172622166	-0.26806068	0.298772644
## 137	-0.496023402	-0.85488578	-0.209808618
## 138	-0.508370268	-0.45666362	-0.956817349
## 139	-1.226559590	-0.02401141	-0.813757016
## 140	-0.231776155	-0.20954189	-0.795085048
## 141	-0.314856235	-1.02934205	-0.917880291
## 142	-0.290914944	0.34734640	0.238819740
## 143	-1.329484339	-0.63713576	-0.369830490
## 144	-0.514062975	-0.24873355	-1.176262516
## 145	-0.588695199	-0.54352248	-0.312410156
## 146	-1.333759570	0.35213267	-0.959030361
## 147	-0.670357802	0.16201444	-0.639569260
## 148	0.746738602	0.58139802	4.055880143
## 149	2.513833877	1.26962197	0.757066223
## 150	2.538839225	0.07330214	0.107614437
## 151	2.399447710	0.57725929	0.356299862
## 152	2.651249286	0.45688809	1.491228794
## 153	1.502979376	0.13721000	2.340301026
## 154	-0.145701515	0.08549078	2.481321799
## 155	-0.429348808	1.61299318	2.124358344
## 156	2.323671624	3.46023244	1.565231285
## 157	1.659699825	0.26238501	2.138649809
## 158	0.749170733	-0.15588384	3.146756474
## 159	1.349527102	-0.63310400	-0.448520858
## 160	0.976955015	-0.09105086	0.988410661
## 161	1.219560095	0.28172306	0.175517291
## 162	3.137599508	0.23970912	1.401748361
## 163	1.462621200	0.98894032	-0.810392158
## 164	2.394659452	0.05364413	2.991570974
## 165	2.369426091	1.66274326	1.723493711
## 166	1.455932839	0.73998281	1.190414218
## 167	1.839601525	1.02054397	2.823546602
## 168	-0.022422868	0.56931118	-0.171518619
## 169	-0.108307498	3.78484586	0.950140553
## 170	-0.578864069	1.17042930	-0.104773940
## 171	2.504394168	1.10868135	1.247564510
## 172	-0.092080623	0.49256965	0.979692555
## 173	1.377405405	1.36062605	-0.772917834
## 174	-0.446031707	2.10872869	-0.419542877
## 175	-0.223590514	3.02823485	1.174028707
## 176	0.648267693	-0.23466009	1.672485944
## 177	-0.631177689	1.61021537	-0.272311284
## 178	-0.111347662	0.56927179	-0.171656815
## 179	2.167065181	2.63364824	1.163153457
## 180	1.022907092	1.53602098	0.191645545
## 181	0.851122630	0.12097250	-0.248118472

## 182	1.740036157	1.65941381	0.481589678
## 183	2.092664769	-0.34881576	2.844480447
## 184	1.278759687	0.67974716	1.094361129
## 185	0.060778818	4.74500788	-0.351713656
## 186	0.661188390	4.51843011	0.067476475
## 187	1.428024134	1.26932502	-0.633343593
## 188	1.850287701	2.54074150	3.608210634
## 189	1.279588131	1.26925927	-0.633574274
## 190	1.081962276	0.85330656	-0.195008757
## 191	-0.351254597	0.49245485	0.979289778
## 192	-0.847789368	1.61011942	-0.272647915
## 193	1.773994788	1.90957723	0.274924844
## 194	1.865944545	1.23056226	2.316346041
## 195	2.890624192	0.13286553	0.541248367
## 196	2.305468643	0.07319878	0.107251879
## 197	2.899972696	0.13286967	0.541262895
##	Shade_.L.ADC	Prominence_cooc.L.ADC	IC1_.L.ADC IC2_.L.ADC
## 1	1.564391432	0.95591510	-0.6883998951 0.02448574
## 2	-0.843638766	-0.61510972	0.5967581268 -0.55782502
## 3	4.152229414	3.98320255	0.1773428927 -0.27185532
## 4	-0.358255567	-0.70967565	0.3808910000 -0.41652989
## 5	-0.364889323	-0.61362086	0.6439494478 -0.57515917
## 6	-1.029887221	1.24015641	-0.1924172166 -0.05807723
## 7	-0.891573685	-0.16550751	0.4316832651 -0.39686510
## 8	-1.405116053	-0.28869512	0.4652289029 -0.46218133
## 9	-1.151073027	-0.09085502	0.0818231105 -0.23573038
## 10	2.084979791	1.53982735	0.1392486938 -0.25693921
## 11	-0.614548394	-0.55645661	0.6788217492 -0.60432132
## 12	0.134956330	-0.25775805	0.8412432836 -0.70774353
## 13	0.057083120	-0.63878953	0.4989640641 -0.61778077
## 14	-0.187085811	-0.65725610	0.3526520168 -0.40895530
## 15	0.211117326	-0.56241974	-0.0891269759 -0.22713614
## 16	-0.713626556	-0.54800125	0.8372632927 -0.73900326
## 17	-0.537823100	-0.80493496	0.8689136967 -0.78517910
## 18	-0.232257987	-0.54309376	1.1058179184 -1.00029730
## 19	0.800168601	0.25042007	0.6818541233 -0.58812336
## 20	-0.682214506	-0.24250110	0.4472241821 -0.42320135
## 21	-0.064061324	-0.55839559	0.6164685581 -0.56467128
## 22	2.166496714	2.29125927	-1.6962852160 0.25556884
## 23	0.451707963	-0.20395662	0.7857129341 -0.71121036
## 24	-0.255256871	-0.53084670	0.5247392434 -0.48076819
## 25	-0.993460864	0.31018982	0.2904883490 -0.29134531
## 26	-0.342391287	-0.41834110	1.1346254718 -1.02675008
## 27	-0.403576145	1.45816820	-0.1196402396 -0.08356862
## 28	1.053489700	0.81056077	0.1854923979 -0.24837411
## 29	-0.114652966	0.61684852	0.1432286848 -0.21154997
## 30	-0.054184655	-0.68174651	0.8696717902 -0.81512784
## 31	1.622814420	1.30085050	-1.4817447528 0.20330420
## 32	0.118426166	-0.54327653	0.9047336151 -0.83651147
## 33	-0.434101981	-0.44544061	0.3520834466 -0.37845303
## 34	-1.083952466	1.25246142	-0.8064729592 0.11928458
## 35	-0.920448271	0.58931494	0.4585955847 -0.37507360
## 36	-0.284796643	-0.21582609	0.4193642456 -0.38835826
## 37	-0.532951210	0.08756394	0.5889876684 -0.49376152

## 38	0.473321653	1.85508643	-1.0500104992	0.16779105
## 39	0.393368442	-0.25280853	0.8310090213	-0.73556557
## 40	-0.326324462	-0.90717237	0.9795953491	-0.95511199
## 41	-0.918450621	-0.29553804	-0.0902641162	-0.16586940
## 42	0.677601565	0.20462065	0.7322673416	-0.60636063
## 43	-0.563912573	-0.45092475	0.2639550762	-0.33562750
## 44	1.622814138	1.30085049	-1.5012656607	0.20030350
## 45	1.261060927	0.81785782	-0.9067308259	0.17571524
## 46	0.257210013	-0.28526972	0.5740153215	-0.33425824
## 47	-0.446867964	0.60850817	0.2340103825	-0.10661284
## 48	0.001767012	-0.17452220	0.8613327616	-0.47191175
## 49	1.826624267	1.81775144	-1.2732690377	0.27610762
## 50	-0.226477070	-0.62953475	0.5543048903	-0.31954607
## 51	-0.358569145	-0.83263598	0.5080611862	-0.32668366
## 52	-0.369254133	-0.72033106	0.5114726070	-0.31031090
## 53	-0.426081198	-0.21674505	0.5044602420	-0.26544606
## 54	0.743336820	0.52246324	0.6642284492	-0.33093708
## 55	1.222216892	0.84460130	-0.9846249340	0.20854815
## 56	-0.268264366	0.19012936	-0.7877101449	0.18436774
## 57	-1.009748326	-0.19314691	0.4970688303	-0.25603609
## 58	0.926798583	0.36538547	0.8270290303	-0.47342667
## 59	1.926285046	1.55465170	-1.8154954204	0.32283698
## 60	-0.048710351	-0.69002797	1.1116931431	-0.80396989
## 61	-0.507874951	-0.36744858	1.3093660257	-0.89326259
## 62	-0.039073930	-0.64817433	1.0389161662	-0.67727040
## 63	-0.181191515	-0.33118415	-0.2593189688	0.02993361
## 64	-0.360464241	-0.91117319	0.7987900471	-0.57367339
## 65	1.103969439	0.88050612	0.3022387984	-0.14297085
## 66	0.386153066	-0.08505316	0.4819069601	-0.25533690
## 67	-0.289881968	-0.43221337	1.0737884677	-0.64997276
## 68	-0.354920453	0.62451886	0.8901403150	-0.46544422
## 69	-0.138961991	-0.74052868	0.8694822669	-0.56516654
## 70	-0.471786898	-0.35820970	-0.1692953645	-0.01898072
## 71	-0.420151130	-0.78172985	1.5130088947	-1.08952008
## 72	0.174069998	-0.16812994	0.6725106208	-0.32234575
## 73	-0.083135023	-0.30052421	1.0899927164	-0.59923470
## 74	-0.369950511	-0.93010284	0.9964439774	-0.64770330
## 75	-0.462807528	-0.87811131	1.5246835348	-1.12389704
## 76	-0.843057702	-0.35093741	0.3172490499	-0.13517485
## 77	0.428792519	0.12504141	0.1013440184	-0.05524842
## 78	-0.436728127	-0.83359252	1.5551399415	-1.15899650
## 79	-0.138965194	-0.74052873	0.6477399153	-0.59925217
## 80	-0.768239683	-0.45113134	0.3326193958	-0.32502599
## 81	-0.559431001	-0.67038278	0.9252779492	-0.77304811
## 82	0.025846390	-0.61053461	1.0484302398	-0.94587391
## 83	-0.169320517	-0.50675138	0.6069165799	-0.52006572
## 84	1.594583286	1.25804953	-0.2665398094	-0.05531834
## 85	-0.004188450	-0.32641922	0.7268280207	-0.57767335
## 86	-0.996447417	-0.73706682	0.8094981179	-0.74256914
## 87	-1.322539087	-0.44945823	0.6689475813	-0.61211732
## 88	-0.415605997	-0.88415885	0.6039221105	-0.59240300
## 89	-1.807473999	1.11945876	0.0432361509	-0.13507580
## 90	-0.415611344	-0.88415893	0.2337829545	-0.64929979
## 91	-0.290201519	-0.80902759	0.6053245835	-0.90630836

## 92	-0.083144357	-0.30052434	0.4437179996	-0.69857829
## 93	-0.436735928	-0.83359263	1.0149983160	-1.24202560
## 94	-0.187090892	-0.65725618	0.0008397714	-0.46303201
## 95	-1.019755140	0.35239931	0.1311749980	-0.44910643
## 96	0.211112247	-0.56241982	-0.4409392213	-0.28122158
## 97	-0.358577548	-0.83263610	-0.0737755823	-0.41612785
## 98	0.211112583	-0.56241981	-0.4176278459	-0.27763822
## 99	-0.039073026	-0.64817432	1.1014588808	-0.66765650
## 100	-0.169325863	-0.50675146	0.2367774238	-0.57696250
## 101	-0.004193796	-0.32641929	0.3566888647	-0.63457013
## 102	-0.083144907	-0.30052435	0.4056238007	-0.70443402
## 103	-0.083143424	-0.30052432	0.5083454713	-0.68864393
## 104	-0.187090555	-0.65725617	0.0241511468	-0.45944865
## 105	-0.083142630	-0.30052431	0.5633072507	-0.68019535
## 106	-1.019751089	0.35239937	0.4116695965	-0.40598956
## 107	0.598536100	-0.03635021	0.9629362442	-0.59354210
## 108	-0.290193416	-0.80902748	1.1663137805	-0.82007462
## 109	-0.593859754	-0.76780744	1.3953906867	-1.05117520
## 110	-0.378517679	-0.78573294	0.7818656095	-0.49909286
## 111	0.043084594	-0.69264638	0.9310963168	-0.64926774
## 112	-0.139102570	-0.09940062	0.4719001258	-0.24975210
## 113	-0.083143782	-0.30052433	0.4835179088	-0.69246035
## 114	-0.415610769	-0.88415892	0.2735828637	-0.64318185
## 115	-0.843066461	-0.35093753	-0.2892257577	-0.22840051
## 116	-0.004193222	-0.32641928	0.3964887740	-0.62845220
## 117	-0.537827269	-0.80493502	0.5802695930	-0.82954868
## 118	-0.614552563	-0.55645667	0.3901776455	-0.64869091
## 119	0.257202184	-0.28526984	0.0319784623	-0.41757867
## 120	-0.415624182	-0.88415911	-0.6550816854	-0.78593364
## 121	-0.290214357	-0.80902778	-0.2835400564	-1.04294221
## 122	-0.083157196	-0.30052452	-0.4451466403	-0.83521214
## 123	-0.436748767	-0.83359281	0.1261336761	-1.37865946
## 124	-0.187103730	-0.65725636	-0.8880248685	-0.59966586
## 125	-1.019767979	0.35239913	-0.7576896419	-0.58574028
## 126	0.211099408	-0.56242000	-1.3298038612	-0.41785544
## 127	-0.358590387	-0.83263628	-0.9626402222	-0.55276170
## 128	0.211099745	-0.56241999	-1.3064924858	-0.41427208
## 129	-0.039085865	-0.64817450	0.2125942409	-0.80429036
## 130	-0.169338701	-0.50675164	-0.6520872160	-0.71359636
## 131	-0.004206635	-0.32641947	-0.5321757752	-0.77120399
## 132	-0.083157746	-0.30052453	-0.4832408391	-0.84106788
## 133	-0.083156262	-0.30052451	-0.3805191686	-0.82527778
## 134	-0.187103393	-0.65725635	-0.8647134931	-0.59608250
## 135	-0.083155468	-0.30052450	-0.3255573892	-0.81682921
## 136	-1.019763927	0.35239919	-0.4771950434	-0.54262341
## 137	0.598523262	-0.03635039	0.0740716044	-0.73017596
## 138	-0.290206255	-0.80902766	0.2774491406	-0.95670848
## 139	-0.593872593	-0.76780763	0.5065260469	-1.18780906
## 140	-0.378530517	-0.78573312	-0.1069990304	-0.63572671
## 141	0.043071756	-0.69264657	0.0422316770	-0.78590159
## 142	-0.139115409	-0.09940080	-0.4169645141	-0.38638595
## 143	-0.083156621	-0.30052451	-0.4053467310	-0.82909421
## 144	-0.415623607	-0.88415910	-0.6152817761	-0.77981571
## 145	-0.004206060	-0.32641947	-0.4923758659	-0.76508605

## 146	-0.537840108	-0.80493520	-0.3085950469	-0.96618254
## 147	-0.614565401	-0.55645685	-0.4986869944	-0.78532476
## 148	4.180219233	4.68955352	-4.1024740151	2.97233930
## 149	0.074016559	-0.20501886	-0.4473261591	1.78103192
## 150	-0.190167590	-0.61122132	-0.5398135673	1.76675675
## 151	-0.211537568	-0.38661147	-0.5329907257	1.79950226
## 152	-0.325191697	0.62056054	-0.5470154556	1.88923195
## 153	2.013644338	2.09897712	-0.2274790414	1.75824990
## 154	2.971404484	2.74325325	-3.5251858077	2.83722036
## 155	-0.009558033	1.43430935	-3.1313562295	2.78885955
## 156	-1.492525952	0.66775682	-0.5617982791	1.90805188
## 157	2.380567865	1.78482159	0.0981221210	1.47327072
## 158	4.379540790	4.16335404	-5.1869267805	3.06579802
## 159	0.429549997	-0.32600530	0.6674503466	0.81218428
## 160	-0.488779203	0.31915349	1.0627961118	0.63359888
## 161	0.448822840	-0.24229802	0.5218963928	1.06558327
## 162	0.164587669	0.39168234	-2.0745738772	2.47999129
## 163	-0.193957783	-0.76829574	0.0416441545	1.27277729
## 164	2.734909576	2.81506289	-0.9514583429	2.13418237
## 165	1.299276831	0.88394433	-0.5921220194	1.90945027
## 166	-0.052793237	0.18962389	0.5916409956	1.12017855
## 167	-0.182870207	2.30308836	0.2243446903	1.48923562
## 168	0.249046717	-0.42700673	0.1830285940	1.28979098
## 169	-0.416603098	0.33763124	-1.8945266687	2.38216262
## 170	-0.313331560	-0.50940907	1.4700818498	0.24108390
## 171	0.875110694	0.71779076	-0.2109146982	1.77543256
## 172	0.360700654	0.45300223	0.6240494932	1.22165467
## 173	-0.212930323	-0.80615503	0.4369520150	1.12471747
## 174	-0.398644357	-0.70217197	1.4934311298	0.17232998
## 175	-1.159144704	0.35217583	-0.9214378400	2.14977436
## 176	1.384555736	1.30413347	-1.3532479030	2.30962723
## 177	-0.346485555	-0.61313439	1.5543439433	0.10213106
## 178	0.249040311	-0.42700682	-0.2604561090	1.22161971
## 179	-1.009508667	0.15178796	-0.8906971481	1.77007208
## 180	-0.591891304	-0.28671491	0.2946199586	0.87402785
## 181	0.578663479	-0.16701857	0.5409245398	0.52837624
## 182	0.188329666	0.04054788	-0.3421027800	1.37999263
## 183	3.716137272	3.57014970	-2.0890155586	2.30948739
## 184	0.518593798	0.40121221	-0.1022798983	1.26477737
## 185	-1.465924135	-0.42008300	0.0630602961	0.93498578
## 186	-2.118107475	0.15513419	-0.2180407772	1.19588943
## 187	-0.304241296	-0.71426706	-0.3480917187	1.23531806
## 188	-3.087977299	3.29296815	-1.4694636380	2.14997246
## 189	-0.304251988	-0.71426721	-1.0883700307	1.12152449
## 190	-0.053432339	-0.56400455	-0.3452867727	0.60750735
## 191	0.360681984	0.45300196	-0.6684999405	1.02296749
## 192	-0.346501158	-0.61313461	0.4740606923	-0.06392714
## 193	0.152788916	-0.26046171	-1.5542563970	1.49406004
## 194	-1.512539581	1.75884927	-1.2935859438	1.52191121
## 195	0.949195192	-0.07078899	-2.4378143823	1.85768089
## 196	-0.190184398	-0.61122156	-1.7034871043	1.58786836
## 197	0.949195866	-0.07078898	-2.3911916315	1.86484762
##	Coarseness_vdif_.L.ADC	Contrast_vdif_.L.ADC	Busyness_vdif_.L.ADC	
## 1	0.301907443	0.640904793	-0.636543667	

## 2	0.056613103	-0.451857064	-0.625068067
## 3	-0.075963314	-0.070279596	-0.190509404
## 4	-0.139734248	-0.642714816	-0.228256690
## 5	0.008225508	-0.356175122	-0.538151021
## 6	-0.003801467	0.384479949	-0.579829764
## 7	0.135207983	0.178645293	-0.653943014
## 8	-0.003801467	-0.219680541	-0.601505897
## 9	0.365958075	0.426051786	-0.687440079
## 10	0.010463084	0.069665885	-0.429876609
## 11	-0.035686934	-0.481557806	-0.566388436
## 12	-0.135818489	-0.269005399	-0.147449339
## 13	-0.168263350	-0.766441068	0.927617820
## 14	-0.069809978	-0.571649291	-0.494825318
## 15	-0.193715785	-0.695628609	0.781144535
## 16	-0.096381201	-0.534333564	-0.526967624
## 17	0.055774012	-0.409318975	-0.609315681
## 18	-0.180570022	-0.431887858	0.252921598
## 19	-0.154278496	-0.001468658	0.326397316
## 20	-0.188960934	-0.467616172	0.542361735
## 21	-0.169941533	-0.625713384	-0.120008842
## 22	1.245885092	1.392303664	-0.682632015
## 23	-0.088549682	-0.486366060	-0.331085505
## 24	-0.153159708	-0.568566487	-0.237049338
## 25	0.011581873	0.011713778	-0.586231661
## 26	-0.188121843	-0.331834777	0.520526218
## 27	0.043747037	0.426327858	-0.553133055
## 28	0.040110975	0.196037827	-0.503538274
## 29	0.081226446	0.396397056	-0.567929141
## 30	-0.099737566	-0.634225603	-0.251739168
## 31	1.458454874	1.675737549	-0.679630295
## 32	-0.167424259	-0.700712935	-0.075461200
## 33	-0.190639117	-0.623895910	0.516594762
## 34	0.302746534	0.291742775	-0.661274648
## 35	0.019693088	0.171697482	-0.581928311
## 36	-0.131063639	-0.319802640	-0.370878211
## 37	-0.166025774	-0.213353892	0.114842502
## 38	0.343582308	1.335708912	-0.660849626
## 39	-0.187003055	-0.534218534	0.518082340
## 40	-0.075403919	-0.687691540	-0.412291314
## 41	-0.195953361	-0.633098309	0.719542876
## 42	-0.033169660	0.479448705	-0.288423899
## 43	-0.185324872	-0.610552432	0.488118273
## 44	1.429646074	1.673367931	-0.682366376
## 45	1.609491298	1.296414668	-0.639226620
## 46	0.408192334	-0.235876763	-0.541657455
## 47	0.490702973	0.375990736	-0.596591578
## 48	0.275615917	-0.164765226	-0.197442579
## 49	1.489221553	2.323517409	-0.654208653
## 50	0.208768315	-0.561043526	-0.018720732
## 51	0.208488618	-0.600659853	0.411454889
## 52	0.194783461	-0.637009329	0.259748518
## 53	0.177162545	-0.503252461	0.867663122
## 54	0.403437484	0.141007482	-0.450251112
## 55	1.384894541	1.962553315	-0.627033795

## 56	1.124496559	1.232066895	-0.663213812
## 57	0.308899870	-0.321712138	-0.514562288
## 58	0.216599833	0.018339505	0.200298534
## 59	1.929185061	2.312612567	-0.653889887
## 60	0.162618297	-0.792828947	3.000398093
## 61	0.177162545	-0.244826096	1.347035066
## 62	0.242891359	-0.553957679	-0.225095587
## 63	0.254918333	-0.510775422	-0.196512843
## 64	0.211844983	-0.802928580	-0.148325948
## 65	0.418261429	0.092786912	-0.439041151
## 66	0.358126556	-0.063584851	-0.413592945
## 67	0.234220749	-0.296934679	-0.165167453
## 68	0.188070731	-0.040394806	0.440090762
## 69	0.489863882	-0.329672213	-0.555975391
## 70	1.125055953	0.736333669	-0.666029584
## 71	0.395941602	-0.380280806	-0.437954688
## 72	0.257099971	-0.584626974	2.168308172
## 73	0.494702641	0.044807905	-0.494485300
## 74	0.302466837	-0.751749439	-0.047460204
## 75	0.388249932	-0.436132465	-0.424574457
## 76	0.907787260	0.587098367	-0.639008796
## 77	0.876069611	0.575484939	-0.569262648
## 78	0.376474685	-0.397342053	-0.396143126
## 79	0.162618297	-0.356589230	-0.587055141
## 80	-0.064244006	-0.493189638	-0.416297149
## 81	-0.150978071	-0.658349692	1.828351487
## 82	-0.104520386	-0.733494180	-0.054215401
## 83	-0.024554990	-0.625352190	-0.507289095
## 84	0.195818340	0.059517939	-0.516976945
## 85	0.010966539	-0.285321252	-0.474660670
## 86	-0.084913620	-0.605985742	-0.456068604
## 87	-0.084605953	-0.571702205	-0.472559466
## 88	-0.106897811	-0.767671889	-0.075663085
## 89	0.166114510	0.402995176	-0.633911186
## 90	-0.653146210	-0.812602602	-0.127542361
## 91	-0.680612464	-0.768357468	0.463474953
## 92	-0.459064406	-0.033642545	-0.585068163
## 93	-0.420661996	-0.462909145	-0.471850210
## 94	-0.588927761	-0.614355323	-0.544138522
## 95	-0.610660224	-0.265069073	-0.378685338
## 96	-0.712749658	-0.738327740	0.731831331
## 97	-0.650237361	-0.671283663	0.329890467
## 98	-0.678346917	-0.735498002	0.735098689
## 99	0.335191396	-0.546365700	-0.216329504
## 100	-0.570803390	-0.670282902	-0.559168371
## 101	-0.535281860	-0.330251964	-0.526539945
## 102	-0.515283519	-0.038266751	-0.590407504
## 103	-0.363687701	-0.025797500	-0.576009876
## 104	-0.554525020	-0.611525586	-0.540871164
## 105	-0.282575547	-0.019125761	-0.568306348
## 106	-0.196708544	-0.231020197	-0.339370782
## 107	0.243590602	-0.235586887	-0.262688803
## 108	0.147290897	-0.700259716	0.542104065
## 109	0.247366512	-0.307038913	-0.397614766

## 110	0.169610724	-0.677467675	-0.043890017
## 111	0.155653839	-0.667460066	0.694192956
## 112	0.363272983	0.088767764	-0.513212842
## 113	-0.400328019	-0.028811286	-0.579489746
## 114	-0.594409823	-0.807771342	-0.121963944
## 115	0.012756601	0.513479176	-0.724013241
## 116	-0.476545473	-0.325420705	-0.520961529
## 117	-0.370204643	-0.444357109	-0.649772484
## 118	-0.461665589	-0.516595940	-0.606845239
## 119	-0.391741318	-0.301673915	-0.617630178
## 120	-1.964925521	-0.920500728	-0.252127001
## 121	-1.992391774	-0.876255594	0.338890313
## 122	-1.770843716	-0.141540672	-0.709652803
## 123	-1.732441307	-0.570807271	-0.596434851
## 124	-1.900707071	-0.722253450	-0.668723162
## 125	-1.922439534	-0.372967199	-0.503269979
## 126	-2.024528969	-0.846225866	0.607246691
## 127	-1.962016671	-0.779181790	0.205305827
## 128	-1.990126228	-0.843396129	0.610514049
## 129	-0.976587915	-0.654263826	-0.340914144
## 130	-1.882582700	-0.778181029	-0.683753011
## 131	-1.847061171	-0.438150091	-0.651124586
## 132	-1.827062830	-0.146164877	-0.714992145
## 133	-1.675467012	-0.133695627	-0.700594517
## 134	-1.866304330	-0.719423712	-0.665455804
## 135	-1.594354858	-0.127023888	-0.692890989
## 136	-1.508487854	-0.338918323	-0.463955423
## 137	-1.068188709	-0.343485014	-0.387273444
## 138	-1.164488414	-0.808157843	0.417519425
## 139	-1.064412799	-0.414937040	-0.522199406
## 140	-1.142168587	-0.785365802	-0.168474658
## 141	-1.156125471	-0.775358193	0.569608316
## 142	-0.948506328	-0.019130362	-0.637797483
## 143	-1.712107329	-0.136709412	-0.704074386
## 144	-1.906189134	-0.915669469	-0.246548584
## 145	-1.788324784	-0.433318831	-0.645546169
## 146	-1.681983954	-0.552255235	-0.774357124
## 147	-1.773444899	-0.624494066	-0.731429879
## 148	3.273688931	5.646618662	-0.544074769
## 149	0.712782455	-0.122503209	0.726901073
## 150	0.712223061	-0.201735863	1.587252316
## 151	0.684812747	-0.274434814	1.283839574
## 152	0.649570915	-0.006921080	2.499668782
## 153	1.102120792	1.281598806	-0.136159686
## 154	3.065034908	4.924690473	-0.489725051
## 155	2.544238943	3.463717632	-0.562085086
## 156	0.913045565	0.356159567	-0.264782038
## 157	0.728445492	1.036262853	1.164939606
## 158	4.153615948	5.624808977	-0.543437235
## 159	0.620482419	-0.586074051	6.765138723
## 160	0.649570915	0.509931651	3.458412670
## 161	0.781028543	-0.108331515	0.314151363
## 162	0.805082492	-0.021967002	0.371316853
## 163	0.718935791	-0.606273316	0.467690642

## 164	1.131768683	1.185157666	-0.113739764	
## 165	1.011498938	0.872414142	-0.062843352	
## 166	0.763687324	0.405714484	0.434007631	
## 167	0.671387287	0.918794232	1.644524061	
## 168	1.274973589	0.340239417	-0.347608244	
## 169	2.545357731	2.472251181	-0.567716630	
## 170	1.087129029	0.239022232	-0.111566838	
## 171	0.809445767	-0.169670105	5.100958881	
## 172	1.284651108	1.089199652	-0.224628063	
## 173	0.900179500	-0.503915034	0.669422130	
## 174	1.071745689	0.127318913	-0.084806376	
## 175	2.110820346	2.173780577	-0.513675054	
## 176	2.047385048	2.150553722	-0.374182759	
## 177	1.048195195	0.204899737	-0.027943715	
## 178	0.620482419	0.286405383	-0.409767745	
## 179	0.166757813	0.013204566	-0.068251760	
## 180	-0.006710316	-0.317115540	4.421045512	
## 181	0.086205054	-0.467404517	0.655911736	
## 182	0.246135845	-0.251120537	-0.250235652	
## 183	0.686882506	1.118619722	-0.269611353	
## 184	0.317178904	0.428941339	-0.184978802	
## 185	0.125418585	-0.212387640	-0.147794670	
## 186	0.126033918	-0.143820566	-0.180776395	
## 187	0.081450204	-0.535759935	0.613016367	
## 188	0.627474846	1.805574194	-0.503479833	
## 189	-1.011046595	-0.625621360	0.509257816	
## 190	-1.065979102	-0.537131093	1.691292444	
## 191	-0.622882986	0.932298752	-0.405793787	
## 192	-0.546078168	0.073765553	-0.179357883	
## 193	-0.882609696	-0.229126803	-0.323934506	
## 194	-0.926074622	0.469445698	0.006971861	
## 195	-1.130253491	-0.477071637	2.228005200	
## 196	-1.005228896	-0.342983483	1.424123473	
## 197	-1.061448009	-0.471412161	2.234539916	
##	Complexity_vdif_.L.ADC	Strength_vdif_.L.ADC	SRE_align.L.ADC	LRE_align.L.ADC
## 1	0.22407022	1.08878436	-0.5432046	-0.6178635
## 2	-0.81824272	-0.05349273	-0.5458232	-0.6137933
## 3	0.53724325	0.06221020	-0.5607702	-0.5566774
## 4	-0.90701554	-0.48069605	-0.5791469	-0.4858621
## 5	-0.67309236	-0.20159009	-0.5426021	-0.6154515
## 6	0.29045891	-0.09788725	-0.5308298	-0.6668765
## 7	-0.08009937	0.10532774	-0.5234838	-0.6918070
## 8	-0.75734589	-0.22098033	-0.5620911	-0.5357607
## 9	-0.54767551	0.37385053	-0.5250133	-0.6938987
## 10	0.42320212	0.18908408	-0.5616972	-0.5510808
## 11	-0.57432222	-0.23508831	-0.5443401	-0.6143209
## 12	0.08168907	-0.44868822	-0.5493456	-0.5972860
## 13	-1.22457256	-0.42547522	-0.6488997	-0.1634995
## 14	-1.05653084	-0.34939299	-0.5595652	-0.5617087
## 15	-0.87097040	-0.57774695	-0.6173371	-0.3034155
## 16	-0.19669596	-0.33165641	-0.5552549	-0.5804396
## 17	-0.98375827	-0.20351664	-0.5378051	-0.6440942
## 18	0.12740364	-0.56991657	-0.5484650	-0.6034291
## 19	0.67309205	-0.42118830	-0.5683248	-0.5161254

## 20	-0.53711581	-0.59604447	-0.5762966	-0.4908368
## 21	-0.20149968	-0.51201933	-0.5759953	-0.4905730
## 22	-0.52835500	2.97487130	-0.5284893	-0.6795208
## 23	0.02847986	-0.12384722	-0.5620679	-0.5572804
## 24	-0.40393763	-0.49285008	-0.5666332	-0.5387757
## 25	-0.10798436	-0.12363322	-0.5350706	-0.6523102
## 26	0.27403475	-0.59134239	-0.5456378	-0.6139440
## 27	0.28074568	0.03302980	-0.5360671	-0.6538177
## 28	0.16098410	0.05781367	-0.5428106	-0.6281712
## 29	-0.07000666	0.02882860	-0.5314787	-0.6674041
## 30	-0.72750094	-0.29158904	-0.5706886	-0.5186693
## 31	-0.86696852	2.63178876	-0.5284893	-0.6850986
## 32	-0.36079871	-0.47682780	-0.5824376	-0.4689591
## 33	-0.36682770	-0.57753296	-0.5832023	-0.4659817
## 34	-0.17169674	0.62474693	-0.5359281	-0.6500112
## 35	0.50543520	-0.08785685	-0.5227191	-0.6990430
## 36	0.06988021	-0.42628630	-0.5559038	-0.5779899
## 37	-0.14324920	-0.54462483	-0.5562514	-0.5697739
## 38	0.36719415	0.72432438	-0.5308530	-0.6572473
## 39	-0.16282956	-0.56630138	-0.5642463	-0.5437693
## 40	-1.20647446	-0.35939015	-0.5824839	-0.4701274
## 41	-0.70225929	-0.59728238	-0.5859368	-0.4601590
## 42	0.31596591	-0.20584785	-0.5365074	-0.6515941
## 43	-0.67586800	-0.57327520	-0.5901313	-0.4347763
## 44	-0.86696882	2.63172870	-0.5308762	-0.6870395
## 45	-1.05391679	2.23927084	-0.4944704	-0.6697785
## 46	-0.32018840	-0.04664778	-0.5285125	-0.5250762
## 47	0.59336768	0.11517155	-0.5020713	-0.6361798
## 48	-0.36504416	-0.39005511	-0.5104138	-0.6081212
## 49	0.12850852	2.44822582	-0.4816553	-0.7114989
## 50	-0.77335458	-0.53827784	-0.5460086	-0.4688083
## 51	-1.42365398	-0.57767406	-0.5631803	-0.3967870
## 52	-0.93670455	-0.57490320	-0.5568307	-0.4205868
## 53	-0.31879080	-0.60389817	-0.5484882	-0.4556741
## 54	0.06900965	-0.05087755	-0.5027665	-0.6380830
## 55	-0.26460077	1.80619576	-0.4836946	-0.6928999
## 56	0.12110918	1.21381798	-0.4867072	-0.6825546
## 57	-0.58126889	-0.31293323	-0.5232289	-0.5503647
## 58	0.17626525	-0.47381087	-0.5422081	-0.4652845
## 59	-0.65063259	2.94371130	-0.4782025	-0.7149850
## 60	-0.60012670	-0.61082359	-0.6020889	-0.2158856
## 61	0.07011527	-0.61077753	-0.5203322	-0.5632162
## 62	-0.51891682	-0.40827217	-0.5432046	-0.4770620
## 63	-1.05006878	-0.42727873	-0.5572478	-0.4141987
## 64	-1.21109105	-0.48385234	-0.6033866	-0.1813635
## 65	-0.20773228	0.01628448	-0.5103907	-0.6073486
## 66	-0.95797330	-0.29462872	-0.5207725	-0.5739950
## 67	-0.17320447	-0.48040567	-0.5131483	-0.5975121
## 68	0.46706486	-0.58023385	-0.5171574	-0.5792712
## 69	-1.06496033	-0.05036268	-0.5281185	-0.5346489
## 70	-1.03603193	0.67958176	-0.4956986	-0.6574734
## 71	-0.38792519	-0.36817273	-0.4967228	-0.6234734
## 72	-0.26686278	-0.64397260	-0.5523373	-0.3960068
## 73	0.16099803	-0.12801920	-0.4872216	-0.6549314

## 74	-1.35850786	-0.54892993	-0.5864258	-0.2278854
## 75	-0.97536072	-0.44091493	-0.5115586	-0.5713455
## 76	-0.48338486	0.43211605	-0.4760983	-0.6949106
## 77	-0.53919743	0.60507926	-0.4852287	-0.6590337
## 78	-0.70562616	-0.44342124	-0.5033019	-0.5992590
## 79	-1.06496377	-0.05104490	-0.5552317	-0.5566963
## 80	-0.56085056	-0.43983311	-0.5601075	-0.5331056
## 81	-0.26310671	-0.65013317	-0.5662438	-0.4968594
## 82	-0.56815532	-0.48064777	-0.5818559	-0.4468326
## 83	-0.55986920	-0.29111610	-0.5470004	-0.5817247
## 84	0.15912377	0.57657834	-0.5508334	-0.5762826
## 85	-0.01762261	-0.20896963	-0.5371169	-0.6263489
## 86	-0.76586397	-0.45914329	-0.6071685	-0.3131351
## 87	-0.38365730	-0.42577767	-0.6001747	-0.3506439
## 88	-1.27485432	-0.55212541	-0.6179698	-0.2694833
## 89	0.36499202	0.13263507	-0.5259031	-0.6647811
## 90	-1.27486007	-0.55326420	-0.6632280	-0.3062854
## 91	-0.55832611	-0.60075652	-0.6177659	-0.5241698
## 92	0.16098798	-0.13000756	-0.5662438	-0.7191891
## 93	-0.70563456	-0.44508306	-0.5693468	-0.6529641
## 94	-1.05653631	-0.35047551	-0.6025778	-0.5966887
## 95	-0.17040478	-0.44961255	-0.5931114	-0.6145546
## 96	-0.87097588	-0.57882941	-0.6603451	-0.3383935
## 97	-1.42366303	-0.57946417	-0.6343165	-0.4546377
## 98	-0.87097551	-0.57875769	-0.6574948	-0.3360757
## 99	-0.51891585	-0.40807974	-0.5355573	-0.4708435
## 100	-0.55987496	-0.29225488	-0.5922586	-0.6185268
## 101	-0.01762837	-0.21010841	-0.5823750	-0.6631511
## 102	0.16098739	-0.13012476	-0.5709018	-0.7229767
## 103	0.16098899	-0.12980872	-0.5583416	-0.7127633
## 104	-1.05653595	-0.35040379	-0.5997275	-0.5943709
## 105	0.16098984	-0.12963962	-0.5516213	-0.7072986
## 106	-0.17040041	-0.44874956	-0.5588144	-0.5866656
## 107	-0.02304172	-0.31237679	-0.5248881	-0.5583771
## 108	-0.55831739	-0.59903056	-0.5491718	-0.4683919
## 109	-0.58927365	-0.44846647	-0.5113477	-0.6161243
## 110	-0.67522953	-0.54361450	-0.5560057	-0.4339867
## 111	-0.87265904	-0.56184654	-0.5773023	-0.3490441
## 112	-0.55983858	-0.18615202	-0.5193496	-0.5834753
## 113	0.16098860	-0.12988511	-0.5613774	-0.7152318
## 114	-1.27485945	-0.55314175	-0.6583615	-0.3023282
## 115	-0.48339429	0.43025015	-0.5502540	-0.7552110
## 116	-0.01762775	-0.20998596	-0.5775086	-0.6591939
## 117	-0.98376276	-0.20440469	-0.5730986	-0.6727935
## 118	-0.57432671	-0.23597637	-0.5796336	-0.6430201
## 119	-0.32019683	-0.04831544	-0.5947892	-0.5789697
## 120	-1.27487390	-0.55599891	-0.7719124	-0.3946633
## 121	-0.55833994	-0.60349123	-0.7264503	-0.6125477
## 122	0.16097415	-0.13274227	-0.6749283	-0.8075669
## 123	-0.70564839	-0.44781778	-0.6780313	-0.7413419
## 124	-1.05655014	-0.35321022	-0.7112623	-0.6850665
## 125	-0.17041860	-0.45234726	-0.7017959	-0.7029324
## 126	-0.87098970	-0.58156412	-0.7690296	-0.4267714
## 127	-1.42367685	-0.58219888	-0.7430010	-0.5430156

## 128	-0.87098934	-0.58149240	-0.7661793	-0.4244536
## 129	-0.51892968	-0.41081446	-0.6442418	-0.5592213
## 130	-0.55988878	-0.29498960	-0.7009431	-0.7069047
## 131	-0.01764219	-0.21284313	-0.6910595	-0.7515289
## 132	0.16097356	-0.13285947	-0.6795862	-0.8113545
## 133	0.16097516	-0.13254344	-0.6670261	-0.8011412
## 134	-1.05654977	-0.35313850	-0.7084120	-0.6827487
## 135	0.16097601	-0.13237434	-0.6603058	-0.7956764
## 136	-0.17041424	-0.45148428	-0.6674989	-0.6750435
## 137	-0.02305554	-0.31511150	-0.6335726	-0.6467550
## 138	-0.55833121	-0.60176527	-0.6578563	-0.5567697
## 139	-0.58928748	-0.45120119	-0.6200322	-0.7045021
## 140	-0.67524336	-0.54634921	-0.6646902	-0.5223646
## 141	-0.87267286	-0.56458125	-0.6859868	-0.4374219
## 142	-0.55985241	-0.18888673	-0.6280341	-0.6718532
## 143	0.16097477	-0.13261982	-0.6700619	-0.8036097
## 144	-1.27487328	-0.55587646	-0.7670460	-0.3907060
## 145	-0.01764157	-0.21272068	-0.6861931	-0.7475717
## 146	-0.98377659	-0.20713941	-0.6817831	-0.7611714
## 147	-0.57434054	-0.23871108	-0.6883181	-0.7313980
## 148	2.61225651	5.58282158	1.8434281	1.2975996
## 149	0.80853030	-0.39018573	1.7147215	1.7829806
## 150	-0.49206849	-0.46897818	1.6803782	1.9270234
## 151	0.48183037	-0.46343644	1.6930773	1.8794237
## 152	1.71765786	-0.52142640	1.7097624	1.8092490
## 153	2.49325876	0.58461484	1.8012057	1.4444312
## 154	1.82603793	4.29876147	1.8393495	1.3347974
## 155	2.59745782	3.11400591	1.8333244	1.3554880
## 156	1.19270168	0.06050349	1.7602810	1.6198679
## 157	2.70776997	-0.26125178	1.7223225	1.7900283
## 158	1.05397428	6.57379254	1.8503338	1.2906273
## 159	1.15498606	-0.53527723	1.6025610	2.2888262
## 160	2.49547000	-0.53518510	1.7660744	1.5941648
## 161	1.31740582	-0.13017438	1.7203296	1.7664734
## 162	0.25510190	-0.16818750	1.6922431	1.8921999
## 163	-0.06694264	-0.28133474	1.5999656	2.3578702
## 164	1.93977491	0.71893892	1.7859574	1.5059000
## 165	0.43929287	0.09711252	1.7651938	1.5726074
## 166	2.00883052	-0.27444139	1.7804421	1.5255730
## 167	3.28936918	-0.47409775	1.7724240	1.5620548
## 168	0.22531881	0.58564459	1.7505017	1.6512995
## 169	0.28317561	2.04553348	1.8153416	1.4056505
## 170	1.57938909	-0.04997551	1.8132931	1.4736506
## 171	1.82151390	-0.60157524	1.7020641	1.9285836
## 172	2.67723553	0.43033155	1.8322955	1.4107346
## 173	-0.36177625	-0.41148992	1.6338872	2.2648266
## 174	0.40451803	-0.19545990	1.7836215	1.5779063
## 175	1.38846975	1.55060205	1.8545422	1.3307761
## 176	1.27684461	1.89652847	1.8362813	1.4025299
## 177	0.94398715	-0.20047253	1.8001350	1.5220794
## 178	0.22531192	0.58428015	1.6962753	1.6072048
## 179	1.23353835	-0.19329627	1.6865238	1.6543861
## 180	1.82902605	-0.61389639	1.6742511	1.7268786
## 181	1.21892883	-0.27492559	1.6430269	1.8269321

## 182	1.23550107	0.10413776	1.7127379	1.5571479
## 183	2.67348700	1.83952663	1.7050720	1.5680321
## 184	2.31999425	0.26843070	1.7325050	1.4678994
## 185	0.82351152	-0.23191663	1.5924017	2.0943270
## 186	1.58792487	-0.16518538	1.6063893	2.0193095
## 187	-0.19446917	-0.41788087	1.5707992	2.1816308
## 188	3.08522350	0.95164008	1.7549325	1.3910352
## 189	-0.19448068	-0.42015844	1.4802828	2.1080265
## 190	1.23858724	-0.51514308	1.5712070	1.6722577
## 191	2.67721543	0.42635484	1.6742511	1.2822192
## 192	0.94397034	-0.20379618	1.6680452	1.4146692
## 193	0.24216684	-0.01458106	1.6015831	1.5272200
## 194	2.01442991	-0.21285514	1.6205160	1.4914882
## 195	0.61328771	-0.47128887	1.4860484	2.0438103
## 196	-0.49208659	-0.47255838	1.5381058	1.8113219
## 197	0.61328844	-0.47114542	1.4917492	2.0484459
##	GLNU_align.L.ADC	RLNU_align.L.ADC	RP_align.L.ADC	LGRE_align.L.ADC
## 1	-6.261970e-01	-0.667844396	-0.5353171	6.109942e-02
## 2	-5.441134e-01	-0.574749189	-0.5400544	-3.801424e-02
## 3	-4.608465e-01	-0.454975485	-0.5598945	2.092792e-01
## 4	-1.783430e-01	-0.143034979	-0.5840029	2.904285e-02
## 5	-5.346359e-01	-0.542689220	-0.5370995	-6.973871e-05
## 6	-5.690912e-01	-0.519565645	-0.5193700	-4.259375e-02
## 7	-6.036642e-01	-0.617595375	-0.5103411	-3.441606e-02
## 8	-5.204135e-01	-0.539871484	-0.5645849	-7.497742e-02
## 9	-6.298767e-01	-0.662886440	-0.5101769	-1.051062e-03
## 10	-5.552929e-01	-0.561579443	-0.5620990	7.156686e-02
## 11	-4.870534e-01	-0.494838457	-0.5388115	-6.939002e-03
## 12	-3.513721e-01	-0.252283674	-0.5455421	3.754766e-02
## 13	3.570125e-01	-0.093283455	-0.6818433	1.886714e-01
## 14	-4.103872e-01	-0.429338702	-0.5579715	-7.072502e-02
## 15	8.504837e-01	0.711609269	-0.6394661	-7.334188e-02
## 16	-3.887956e-01	-0.398906803	-0.5523431	1.170614e-02
## 17	-5.433382e-01	-0.579501315	-0.5291025	-7.137923e-02
## 18	3.097770e-02	0.190668106	-0.5438067	2.056811e-01
## 19	-3.078292e-01	-0.212808800	-0.5720894	1.189975e-01
## 20	3.267229e-01	0.593104675	-0.5814232	4.961528e-01
## 21	-1.456647e-02	0.064429161	-0.5817515	-5.829492e-02
## 22	-6.543132e-01	-0.694396633	-0.5156412	3.358700e-01
## 23	-3.921219e-01	-0.425689245	-0.5607857	7.647348e-02
## 24	-1.662543e-01	-0.054523679	-0.5666252	-3.016365e-02
## 25	-5.631180e-01	-0.530539331	-0.5254205	-2.492993e-02
## 26	1.361630e-01	0.399188324	-0.5399606	4.526474e-01
## 27	-5.879978e-01	-0.554572341	-0.5255612	1.137903e-02
## 28	-5.758753e-01	-0.562108839	-0.5351764	5.390304e-02
## 29	-5.965828e-01	-0.580995131	-0.5202612	-1.969621e-02
## 30	-3.221296e-01	-0.402645545	-0.5735200	3.133261e-02
## 31	-6.557887e-01	-0.699598672	-0.5143044	4.032542e-01
## 32	1.173647e-01	0.008643606	-0.5901238	-6.974370e-02
## 33	4.811626e-01	0.720442409	-0.5900534	3.185332e-01
## 34	-6.235471e-01	-0.631309026	-0.5265697	2.629249e-01
## 35	-5.790114e-01	-0.547783050	-0.5086526	2.740731e-02
## 36	-3.609118e-01	-0.236090112	-0.5529763	-3.343473e-02
## 37	-1.487871e-01	0.071439134	-0.5546882	7.113897e-01

## 38	-6.388417e-01	-0.662824725	-0.5207067	5.782834e-02
## 39	2.949453e-01	0.326484767	-0.5649835	1.118011e-01
## 40	-3.418201e-01	-0.458873256	-0.5893029	-5.338831e-02
## 41	8.008583e-01	0.999638927	-0.5935008	2.099335e-01
## 42	-5.535165e-01	-0.526474394	-0.5266635	2.455882e-01
## 43	3.643489e-01	0.522354285	-0.5995748	5.269009e-01
## 44	-6.557937e-01	-0.699598904	-0.5167200	3.695621e-01
## 45	-6.516845e-01	-0.696776468	-0.4794083	7.627456e-01
## 46	-5.474906e-01	-0.559978784	-0.5287507	3.901698e-01
## 47	-6.035878e-01	-0.609677925	-0.4908527	6.086778e-01
## 48	-4.459356e-01	-0.372445567	-0.5019923	4.827413e-01
## 49	-6.569963e-01	-0.696049572	-0.4629687	7.104084e-01
## 50	-2.551265e-02	0.097545862	-0.5504435	3.483000e-01
## 51	8.347224e-02	0.083132229	-0.5739655	3.754500e-01
## 52	2.486884e-01	0.328053823	-0.5658513	4.209180e-01
## 53	6.473946e-01	1.104399745	-0.5538909	8.091949e-01
## 54	-5.666087e-01	-0.545572397	-0.4912514	5.350786e-01
## 55	-6.545631e-01	-0.696361905	-0.4681281	7.221842e-01
## 56	-6.500429e-01	-0.686505173	-0.4723025	6.822771e-01
## 57	-4.652837e-01	-0.419815739	-0.5209647	3.587675e-01
## 58	-2.718169e-01	-0.166424755	-0.5482625	3.829735e-01
## 59	-6.574355e-01	-0.701514664	-0.4598965	8.778875e-01
## 60	3.068507e+00	1.779857241	-0.6281859	5.357328e-01
## 61	3.626720e-01	0.730803211	-0.5170483	1.467009e+00
## 62	-2.758144e-01	-0.302039197	-0.5468085	3.823193e-01
## 63	-2.775083e-01	-0.198757805	-0.5651477	4.189553e-01
## 64	2.171233e-01	-0.101554756	-0.6337439	3.388139e-01
## 65	-5.679966e-01	-0.552407458	-0.5022503	5.717147e-01
## 66	-5.199004e-01	-0.507086500	-0.5147500	3.590946e-01
## 67	-3.357829e-01	-0.229705933	-0.5058149	3.833006e-01
## 68	1.950044e-02	0.490451416	-0.5117717	9.966277e-01
## 69	-5.598537e-01	-0.608372604	-0.5264993	3.973662e-01
## 70	-6.435096e-01	-0.686356284	-0.4825508	5.167606e-01
## 71	-4.565156e-01	-0.471137244	-0.4860592	5.019099e-01
## 72	2.336234e+00	2.885038381	-0.5623499	5.502237e-01
## 73	-5.739366e-01	-0.577832950	-0.4737119	5.561770e-01
## 74	2.164641e-01	-0.061228771	-0.6119409	4.435865e-01
## 75	-4.173811e-01	-0.457691845	-0.5055616	4.547409e-01
## 76	-6.364350e-01	-0.666268746	-0.4587450	5.634715e-01
## 77	-6.318217e-01	-0.663528991	-0.4714629	9.007197e-01
## 78	-4.097026e-01	-0.431181344	-0.4949873	4.615775e-01
## 79	-5.599101e-01	-0.608375240	-0.5539378	1.465011e-02
## 80	-3.163912e-01	-0.239845348	-0.5610835	-2.689258e-02
## 81	2.330935e+00	2.742619244	-0.5694417	1.500379e-03
## 82	1.386183e-01	-0.043006352	-0.5909962	6.210731e-03
## 83	-3.897056e-01	-0.405206303	-0.5433376	-1.524754e-02
## 84	-5.924205e-01	-0.606661550	-0.5475191	3.202996e-01
## 85	-5.103238e-01	-0.493372050	-0.5292221	2.168293e-02
## 86	-1.149664e-01	-0.287128967	-0.6264176	-4.504706e-02
## 87	-1.394212e-01	-0.261948316	-0.6164600	-1.367742e-02
## 88	2.388436e-01	-0.005774850	-0.6424187	-3.094871e-02
## 89	-6.050639e-01	-0.597613278	-0.5141356	1.732320e-01
## 90	2.387494e-01	-0.005779250	-0.6882198	-6.697902e-01
## 91	7.357119e-01	0.695434435	-0.6233407	-6.639023e-01

## 92	-5.741010e-01	-0.577840633	-0.5536822	-5.592605e-01
## 93	-4.098400e-01	-0.431187765	-0.5618246	-4.706797e-01
## 94	-4.104767e-01	-0.429342883	-0.6015096	-6.778371e-01
## 95	-3.728598e-01	-0.254979432	-0.5911064	-2.272461e-01
## 96	8.503942e-01	0.711605088	-0.6829901	-6.806175e-01
## 97	8.332425e-02	0.083125313	-0.6459740	-6.288036e-01
## 98	8.504001e-01	0.711605365	-0.6801056	-6.403832e-01
## 99	-2.757985e-01	-0.302038454	-0.5390694	4.902648e-01
## 100	-3.897997e-01	-0.405210703	-0.5891388	-6.540890e-01
## 101	-5.104180e-01	-0.493376450	-0.5750232	-6.171586e-01
## 102	-5.741107e-01	-0.577841086	-0.5583960	-6.250092e-01
## 103	-5.740846e-01	-0.577839865	-0.5456851	-4.477167e-01
## 104	-4.104707e-01	-0.429342606	-0.5986250	-6.376028e-01
## 105	-5.740706e-01	-0.577839211	-0.5388842	-3.528555e-01
## 106	-3.727885e-01	-0.254976097	-0.5563979	2.568734e-01
## 107	-4.277916e-01	-0.392532867	-0.5222100	4.051841e-01
## 108	7.358546e-01	0.695441104	-0.5539237	3.043368e-01
## 109	-4.431009e-01	-0.443101156	-0.5024496	3.415289e-01
## 110	1.215588e-01	0.135589244	-0.5646787	3.297203e-01
## 111	6.340410e-01	0.346166293	-0.5924079	3.940951e-01
## 112	-5.621781e-01	-0.546945929	-0.5137510	3.258605e-01
## 113	-5.740909e-01	-0.577840160	-0.5487573	-4.905679e-01
## 114	2.387596e-01	-0.005778777	-0.6832950	-6.010976e-01
## 115	-6.365892e-01	-0.666275956	-0.5337904	-4.832734e-01
## 116	-5.104078e-01	-0.493375977	-0.5700984	-5.484659e-01
## 117	-5.434116e-01	-0.579504746	-0.5648194	-5.695644e-01
## 118	-4.871268e-01	-0.494841889	-0.5745284	-5.051241e-01
## 119	-5.476284e-01	-0.559985227	-0.5958225	-5.453584e-01
## 120	2.385233e-01	-0.005789817	-0.7982083	-2.203926e+00
## 121	7.354858e-01	0.695423868	-0.7333292	-2.198038e+00
## 122	-5.743271e-01	-0.577851200	-0.6636706	-2.093396e+00
## 123	-4.100660e-01	-0.431198332	-0.6718130	-2.004815e+00
## 124	-4.107027e-01	-0.429353450	-0.7114980	-2.211973e+00
## 125	-3.730859e-01	-0.254989999	-0.7010948	-1.761382e+00
## 126	8.501681e-01	0.711594521	-0.7929785	-2.214753e+00
## 127	8.309816e-02	0.083114746	-0.7559624	-2.162939e+00
## 128	8.501741e-01	0.711594798	-0.7900940	-2.174519e+00
## 129	-2.760246e-01	-0.302049020	-0.6490579	-1.043871e+00
## 130	-3.900258e-01	-0.405221269	-0.6991272	-2.188225e+00
## 131	-5.106441e-01	-0.493387017	-0.6850116	-2.151294e+00
## 132	-5.743368e-01	-0.577851653	-0.6683844	-2.159145e+00
## 133	-5.743107e-01	-0.577850431	-0.6556736	-1.981852e+00
## 134	-4.106968e-01	-0.429353172	-0.7086134	-2.171738e+00
## 135	-5.742967e-01	-0.577849778	-0.6488726	-1.886991e+00
## 136	-3.730146e-01	-0.254986664	-0.6663863	-1.277262e+00
## 137	-4.280176e-01	-0.392543433	-0.6321984	-1.128951e+00
## 138	7.356285e-01	0.695430537	-0.6639122	-1.229799e+00
## 139	-4.433269e-01	-0.443111723	-0.6124380	-1.192607e+00
## 140	1.213327e-01	0.135578677	-0.6746671	-1.204415e+00
## 141	6.338149e-01	0.346155727	-0.7023964	-1.140040e+00
## 142	-5.624042e-01	-0.546956495	-0.6237394	-1.208275e+00
## 143	-5.743170e-01	-0.577850727	-0.6587458	-2.024703e+00
## 144	2.385335e-01	-0.005789343	-0.7932834	-2.135233e+00
## 145	-5.106339e-01	-0.493386544	-0.6800868	-2.082601e+00

## 146	-5.436377e-01	-0.579515313	-0.6748078	-2.103700e+00
## 147	-4.873529e-01	-0.494852455	-0.6845168	-2.039260e+00
## 148	-6.424406e-01	-0.671813068	1.8811687	1.656731e+00
## 149	6.205267e-01	0.915377799	1.7062191	9.325145e-01
## 150	8.384965e-01	0.886550534	1.6591750	9.868144e-01
## 151	1.168929e+00	1.376393722	1.6754035	1.077750e+00
## 152	1.966341e+00	2.929085566	1.6993243	1.854304e+00
## 153	-4.616655e-01	-0.370858718	1.8246032	1.306072e+00
## 154	-6.375742e-01	-0.672437735	1.8708499	1.680283e+00
## 155	-6.285338e-01	-0.652724271	1.8625011	1.600469e+00
## 156	-2.590153e-01	-0.119345402	1.7651766	9.534494e-01
## 157	1.279181e-01	0.387436567	1.7105811	1.001861e+00
## 158	-6.433189e-01	-0.682743252	1.8873130	1.991690e+00
## 159	6.808565e+00	4.280000557	1.5507343	1.307380e+00
## 160	1.396896e+00	2.181892498	1.7730095	3.169932e+00
## 161	1.199232e-01	0.116207682	1.7134891	1.000553e+00
## 162	1.165355e-01	0.322770466	1.6768106	1.073825e+00
## 163	1.105799e+00	0.517176563	1.5396182	9.135423e-01
## 164	-4.644413e-01	-0.384528840	1.8026055	1.379344e+00
## 165	-3.682488e-01	-0.293886924	1.7776060	9.541037e-01
## 166	-1.370646e-05	0.260874210	1.7954762	1.002516e+00
## 167	7.105529e-01	1.701188907	1.7835627	2.229170e+00
## 168	-4.481553e-01	-0.496459133	1.7541074	1.030647e+00
## 169	-6.154671e-01	-0.652426492	1.8420043	1.269436e+00
## 170	-2.414793e-01	-0.221988412	1.8349876	1.239734e+00
## 171	5.344019e+00	6.490362838	1.6824062	1.336362e+00
## 172	-4.763212e-01	-0.435379825	1.8596822	1.348269e+00
## 173	1.104480e+00	0.597828534	1.5832243	1.123088e+00
## 174	-1.632101e-01	-0.195097613	1.7959827	1.145396e+00
## 175	-6.013179e-01	-0.612251416	1.8896160	1.362858e+00
## 176	-5.920913e-01	-0.606771906	1.8641803	2.037354e+00
## 177	-1.478531e-01	-0.142076612	1.8171315	1.159069e+00
## 178	-4.482681e-01	-0.496464405	1.6992304	2.652147e-01
## 179	3.876957e-02	0.240595380	1.6849390	1.821293e-01
## 180	5.333422e+00	6.205524563	1.6682226	2.389152e-01
## 181	9.487887e-01	0.634273371	1.6251137	2.483359e-01
## 182	-1.078591e-01	-0.090126529	1.7204308	2.054194e-01
## 183	-5.132891e-01	-0.493037024	1.7120679	8.765137e-01
## 184	-3.490956e-01	-0.266458025	1.7486619	2.792803e-01
## 185	4.416192e-01	0.146028142	1.5542708	1.458203e-01
## 186	3.927096e-01	0.196389444	1.5741860	2.085596e-01
## 187	1.149239e+00	0.708736376	1.5222687	1.740170e-01
## 188	-5.385758e-01	-0.474940480	1.7788349	5.823784e-01
## 189	1.149051e+00	0.708727576	1.4306664	-1.103666e+00
## 190	2.142976e+00	2.111154945	1.5604246	-1.091890e+00
## 191	-4.766500e-01	-0.435395190	1.6997417	-8.826065e-01
## 192	-1.481279e-01	-0.142089455	1.6834568	-7.054450e-01
## 193	-1.494013e-01	-0.138399690	1.6040869	-1.119760e+00
## 194	-7.416767e-02	0.210327212	1.6248933	-2.185777e-01
## 195	2.372340e+00	2.143496251	1.4411258	-1.125320e+00
## 196	8.382005e-01	0.886536701	1.5151581	-1.021693e+00
## 197	2.372352e+00	2.143496805	1.4468949	-1.044852e+00
##	HGRE_align.L.ADC	LGSRE_align.L.ADC	HGSRE_align.L.ADC	LGHRE_align.L.ADC
## 1	-0.54292539	0.0676238438	-0.524086480	0.02829577

## 2	0.06789313	-0.0304200662	0.069573766	-0.07624384
## 3	-1.12656204	0.2061355422	-1.128047702	0.21305610
## 4	-0.62025951	0.0294591003	-0.635420490	0.03082241
## 5	-0.53892281	0.0070866645	-0.534187577	-0.03644930
## 6	0.35906171	-0.0353551624	0.384239356	-0.07877047
## 7	0.64622903	-0.0264719893	0.682970984	-0.07403303
## 8	0.35998676	-0.0675977905	0.341300963	-0.11098509
## 9	1.35054018	0.0074156709	1.396807139	-0.04245007
## 10	-0.96192665	0.0728879464	-0.959672851	0.06051039
## 11	0.03536605	-0.0008094894	0.041573684	-0.03897594
## 12	-0.75407988	0.0426193567	-0.750221949	0.01029348
## 13	-1.57741216	0.1702738436	-1.594741162	0.27495870
## 14	0.03456066	-0.0636497136	0.033662462	-0.10593182
## 15	-0.82536998	-0.0705588482	-0.844909152	-0.08761370
## 16	0.04386681	0.0192599016	0.041702222	-0.02665858
## 17	0.20627679	-0.0636497136	0.220732530	-0.10877429
## 18	-0.76097130	0.2094256063	-0.764219830	0.18494726
## 19	-1.05970897	0.1153297732	-1.057916764	0.13030874
## 20	-0.66486186	0.4361110224	-0.677146775	0.83555628
## 21	-0.30271481	-0.0527925021	-0.310288192	-0.08603455
## 22	-0.73335440	0.3400411509	-0.716553854	0.30622583
## 23	-1.16009600	0.0788100617	-1.163193533	0.06019456
## 24	-0.24942506	-0.0231819252	-0.256845154	-0.06487397
## 25	0.20150131	-0.0172598098	0.218920788	-0.06266316
## 26	-0.80656886	0.4496002852	-0.809433177	0.46287732
## 27	-0.09132852	0.0182728824	-0.076709512	-0.02444778
## 28	-0.60262826	0.0567666323	-0.589912572	0.03366487
## 29	-0.21606082	-0.0129827265	-0.195401864	-0.05413576
## 30	-1.26029887	0.0343941964	-1.269012546	0.01187263
## 31	-0.86526971	0.4091324969	-0.849546170	0.36749678
## 32	-0.78989899	-0.0643077264	-0.801374688	-0.09614110
## 33	-0.81728483	0.2923352215	-0.833456669	0.45277078
## 34	-0.36483550	0.2693047728	-0.352411640	0.22632094
## 35	-0.09430549	0.0353812157	-0.072380344	-0.01276208
## 36	0.10368285	-0.0264719893	0.111131479	-0.06866392
## 37	-0.68848707	0.6621384258	-0.693651869	0.95872983
## 38	-0.07469965	0.0646627861	-0.061968469	0.02292667
## 39	-0.91794988	0.1130267283	-0.926337421	0.11009564
## 40	-0.88951589	-0.0478574059	-0.903995247	-0.08098128
## 41	-0.81107031	0.1962653499	-0.829856731	0.27843283
## 42	-0.91707825	0.2475903498	-0.907530529	0.23990161
## 43	-0.90675218	0.4614445160	-0.925759904	0.90030135
## 44	-0.86527146	0.3752448367	-0.849547987	0.33496633
## 45	-0.88735058	0.7730135858	-0.875671388	0.70575030
## 46	-0.29937163	0.3992623046	-0.290291467	0.34254624
## 47	-0.09435811	0.6124584579	-0.078308148	0.57847097
## 48	-0.88793796	0.4903970800	-0.885364793	0.43982176
## 49	-0.43334056	0.7216885859	-0.402727671	0.64984846
## 50	-0.26194147	0.3564914713	-0.273249825	0.30433086
## 51	-0.91875586	0.3821539713	-0.939222437	0.33875628
## 52	-0.66425439	0.4262408302	-0.683796735	0.38865736
## 53	-0.69589407	0.7772906691	-0.710692823	0.95999315
## 54	-0.76349903	0.5440251248	-0.753245199	0.48624872
## 55	-0.74642680	0.7332038102	-0.726582993	0.66311330

## 56	-0.15022695	0.6943810539	-0.121773281	0.61921299
## 57	0.70426230	0.3673486829	0.704478743	0.31222660
## 58	-0.60083385	0.3893921123	-0.596803663	0.34854700
## 59	-0.80213875	0.8898108611	-0.781299638	0.81407986
## 60	-1.30872722	0.5265877851	-1.332454528	0.58194509
## 61	-1.03309173	1.4096409881	-1.040636990	1.77199110
## 62	-0.75963957	0.3903791315	-0.767697862	0.33938794
## 63	-0.79136342	0.4255828173	-0.808480525	0.38328826
## 64	-0.48468210	0.3466212791	-0.534074102	0.29896175
## 65	-0.83905319	0.5792288106	-0.831886781	0.52888572
## 66	-0.07306777	0.3686647085	-0.063843579	0.31001579
## 67	-0.52666235	0.3923531700	-0.520391497	0.33559799
## 68	-0.41472159	0.9746945148	-0.412581112	1.09927401
## 69	-0.53527253	0.4065004456	-0.532381532	0.34949449
## 70	0.85630296	0.5282328171	0.889155019	0.45813988
## 71	-0.35977130	0.5126708139	-0.349576994	0.44582253
## 72	-0.43835260	0.5543888267	-0.462178488	0.53052803
## 73	-0.65764673	0.5663317593	-0.644152532	0.50169279
## 74	-0.28791535	0.4524955416	-0.335811543	0.39727951
## 75	0.10805605	0.4652938910	0.112019027	0.39996406
## 76	0.46033449	0.5751820317	0.499890781	0.50276661
## 77	-0.99695527	0.9112620790	-0.988774599	0.84054638
## 78	-0.14138467	0.4721372243	-0.133695039	0.40672282
## 79	-0.53529240	0.0215629465	-0.532402168	-0.02002616
## 80	0.31077800	-0.0193983515	0.298756543	-0.06389490
## 81	-0.18380456	0.0066589561	-0.201908109	-0.02144740
## 82	-0.88031967	0.0116927542	-0.895500744	-0.02211064
## 83	-0.15658028	-0.0076857233	-0.156524785	-0.05261978
## 84	-1.04176881	0.3212877855	-1.040404396	0.30619425
## 85	-0.55235234	0.0289326900	-0.546953881	-0.01497289
## 86	1.30297737	-0.0374279028	1.208587608	-0.08186560
## 87	1.18536345	-0.0067645054	1.103066833	-0.04822975
## 88	-0.33394646	-0.0248927585	-0.379220678	-0.06045235
## 89	0.27734235	0.1716556705	0.299160587	0.16846095
## 90	-0.33397963	-0.6674422763	-0.379255123	-0.67726760
## 91	-0.52238838	-0.6610924526	-0.537247425	-0.67458305
## 92	-0.65770465	-0.5555800971	-0.644212674	-0.57528622
## 93	-0.14143307	-0.4655310428	-0.133745304	-0.49339160
## 94	0.03452914	-0.6741540071	0.033629725	-0.69214318
## 95	-0.31135379	-0.2553946490	-0.312313200	-0.08012854
## 96	-0.82540151	-0.6812276449	-0.844941889	-0.67376189
## 97	-0.91880800	-0.6279615072	-0.939276578	-0.63077748
## 98	-0.82539942	-0.6407598565	-0.844939720	-0.63491485
## 99	-0.75963397	0.4989512467	-0.767692042	0.44361172
## 100	-0.15661345	-0.6502352411	-0.156559230	-0.66943503
## 101	-0.55238551	-0.6136168277	-0.546988326	-0.63178814
## 102	-0.65770806	-0.6217103854	-0.644216219	-0.63876797
## 103	-0.65769885	-0.4433889114	-0.644206660	-0.46758832
## 104	0.03453123	-0.6336862187	0.033631894	-0.65329613
## 105	-0.65769393	-0.3479770527	-0.644201545	-0.37599773
## 106	-0.31132865	0.2315348370	-0.312287097	0.38729930
## 107	-0.79758095	0.4105472244	-0.793865419	0.37236056
## 108	-0.52233811	0.3127665195	-0.537195220	0.26027262
## 109	-0.09779933	0.3514247726	-0.088404731	0.29062385

## 110	-0.27303448	0.3371129938	-0.291879648	0.28961320
## 111	-1.07781748	0.3985713911	-1.094899992	0.36904435
## 112	0.38668879	0.3354021605	0.404647627	0.27660102
## 113	-0.65770108	-0.4864887511	-0.644208970	-0.50896200
## 114	-0.33397606	-0.5983509303	-0.379251419	-0.61094338
## 115	0.46028014	-0.4776384787	0.499834343	-0.50788818
## 116	-0.55238194	-0.5445254817	-0.546984622	-0.56546392
## 117	0.20625092	-0.5647264753	0.220705669	-0.58978280
## 118	0.03534018	-0.5018862510	0.041546824	-0.51998445
## 119	-0.29942021	-0.5416960266	-0.290341908	-0.56072647
## 120	-0.33405929	-2.2104823368	-0.379337840	-2.15850852
## 121	-0.52246805	-2.2041325131	-0.537330142	-2.15582396
## 122	-0.65778431	-2.0986201576	-0.644295391	-2.05652713
## 123	-0.14151273	-2.0085711033	-0.133828021	-1.97463251
## 124	0.03444948	-2.2171940676	0.033547008	-2.17338409
## 125	-0.31143345	-1.7984347096	-0.312395916	-1.56136945
## 126	-0.82548117	-2.2242677054	-0.845024606	-2.15500281
## 127	-0.91888766	-2.1710015677	-0.939359295	-2.11201840
## 128	-0.82547908	-2.1837999170	-0.845022437	-2.11615576
## 129	-0.75971363	-1.0440888139	-0.767774759	-1.03762920
## 130	-0.15669311	-2.1932753016	-0.156641946	-2.15067594
## 131	-0.55246517	-2.1566568883	-0.547071042	-2.11302905
## 132	-0.65778772	-2.1647504459	-0.644298936	-2.12000888
## 133	-0.65777851	-1.9864289720	-0.644289377	-1.94882923
## 134	0.03445157	-2.1767262792	0.033549178	-2.13453705
## 135	-0.65777359	-1.8910171132	-0.644284262	-1.85723864
## 136	-0.31140831	-1.3115052235	-0.312369814	-1.09394162
## 137	-0.79766061	-1.1324928361	-0.793948136	-1.10888036
## 138	-0.52241777	-1.2302735410	-0.537277937	-1.22096829
## 139	-0.09787899	-1.1916152879	-0.088487448	-1.19061706
## 140	-0.27311415	-1.2059270667	-0.291962364	-1.19162772
## 141	-1.07789714	-1.1444686694	-1.094982708	-1.11219657
## 142	0.38660913	-1.2076379001	0.404564911	-1.20463990
## 143	-0.65778074	-2.0295288116	-0.644291687	-1.99020291
## 144	-0.33405572	-2.1413909908	-0.379334136	-2.09218430
## 145	-0.55246160	-2.0875655423	-0.547067339	-2.04670483
## 146	0.20617126	-2.1077665358	0.220622952	-2.07102371
## 147	0.03526052	-2.0449263116	0.041464107	-2.00122536
## 148	1.08863164	1.6718590965	1.166481551	1.57017597
## 149	1.43142981	0.9414648674	1.425437243	0.87914076
## 150	0.11780104	0.9927898673	0.093492020	0.94799162
## 151	0.62680398	1.0809635851	0.604343422	1.04779378
## 152	0.56352461	1.7830632629	0.550551246	2.19046534
## 153	0.42831469	1.3165321743	0.465446495	1.24297648
## 154	0.46245915	1.6948895452	0.518770907	1.59670566
## 155	1.65485884	1.6172440325	1.728390330	1.50890502
## 156	3.36383735	0.9631792905	3.380894378	0.89493224
## 157	0.75364506	1.0072661493	0.778329567	0.96757306
## 158	0.35103525	2.0081036470	0.409337618	1.89863877
## 159	-0.66214168	1.2816574948	-0.692972164	1.43436923
## 160	-0.11087071	3.0477639010	-0.109337088	3.81446124
## 161	0.43603361	1.0092401878	0.436541168	0.94925494
## 162	0.37258591	1.0796475594	0.354975843	1.03705557
## 163	0.98594855	0.9217244829	0.903788689	0.86840256

## 164	0.27720638	1.3869395459	0.308163330	1.32825048
## 165	1.80917722	0.9658113417	1.844249734	0.89051063
## 166	0.90198805	1.0131882647	0.931153898	0.94167503
## 167	1.12586957	2.1778709543	1.146774669	2.46902707
## 168	0.88476769	1.0414828159	0.907173828	0.96946803
## 169	3.66791868	1.2849475589	3.750246930	1.18675881
## 170	1.23577015	1.2538235526	1.272782906	1.16212410
## 171	1.07860756	1.3372595781	1.047579916	1.33153511
## 172	0.64001930	1.3611454434	0.683631828	1.27386462
## 173	1.37948205	1.1334730080	1.300313806	1.06503808
## 174	2.17142485	1.1590697067	2.195974946	1.07040718
## 175	2.87598174	1.3788459882	2.971718455	1.27601226
## 176	-0.03859779	2.0510060828	-0.005612306	1.95157182
## 177	1.67254342	1.1727563733	1.704546815	1.08392469
## 178	0.88472795	0.2716078177	0.907132558	0.23042673
## 179	2.57686875	0.1896852217	2.569449980	0.14268926
## 180	1.58770364	0.2417998370	1.568120674	0.22758426
## 181	0.19467341	0.2518674331	0.180935405	0.22625777
## 182	1.64215219	0.2131104781	1.658887323	0.16523949
## 183	-0.12822488	0.8710574958	-0.108871899	0.88286755
## 184	0.85060808	0.2863473048	0.878029131	0.24053327
## 185	4.56126750	0.1536261192	4.389112108	0.10674785
## 186	4.32603965	0.2149529140	4.178070560	0.17401956
## 187	1.28741984	0.1786964076	1.213495536	0.14957434
## 188	2.50999745	0.5717932657	2.570258067	0.60740096
## 189	1.28735349	-1.1064026279	1.213426647	-1.08405615
## 190	0.91053598	-1.0937029804	0.897442042	-1.07868705
## 191	0.63990346	-0.8826782694	0.683511545	-0.88009338
## 192	1.67244661	-0.7025801608	1.704446285	-0.71630414
## 193	2.02437103	-1.1198260894	2.039196343	-1.11380730
## 194	1.33260517	-0.2823073733	1.347310493	0.11022197
## 195	0.30450974	-1.1339733650	0.282053114	-1.07704473
## 196	0.11769675	-1.0274410896	0.093383737	-0.99107591
## 197	0.30451392	-1.0530377882	0.282057453	-0.99935065
##	HGLRE_align.L.ADC	GLNU_norm_align.L.ADC	RLNU_norm_align.L.ADC	
## 1	-0.607176042	-0.120327900	-0.5125345	
## 2	0.051361897	-0.112833628	-0.5226589	
## 3	-1.106416174	-0.222571182	-0.5600825	
## 4	-0.559615544	-0.173055457	-0.6053373	
## 5	-0.547689921	-0.230600759	-0.5127052	
## 6	0.256920048	-0.527695112	-0.4824053	
## 7	0.492339375	-0.342747186	-0.4636446	
## 8	0.436104620	-0.174126067	-0.5628149	
## 9	1.137501413	-0.265930899	-0.4669869	
## 10	-0.957395563	-0.294569724	-0.5627905	
## 11	0.007840605	-0.177605550	-0.5184627	
## 12	-0.760998031	-0.339267703	-0.5316366	
## 13	-1.485959662	0.571286341	-0.7701088	
## 14	0.030561476	-0.102127526	-0.5565451	
## 15	-0.734523200	0.011357164	-0.6967496	
## 16	0.041287938	-0.118989637	-0.5472745	
## 17	0.140880943	-0.062514945	-0.5020929	
## 18	-0.741874529	-0.237292074	-0.5295874	
## 19	-1.050980429	-0.318123150	-0.5784040	

## 20	-0.613343253	-0.276904654	-0.5988236
## 21	-0.273041861	-0.189649916	-0.5980429
## 22	-0.787729329	-0.342211881	-0.4770137
## 23	-1.133716832	-0.047794054	-0.5641567
## 24	-0.226471823	-0.268607424	-0.5749885
## 25	0.126101481	-0.459176054	-0.4947253
## 26	-0.787931075	-0.292428503	-0.5223661
## 27	-0.151869399	-0.538936520	-0.4967502
## 28	-0.646489981	-0.425987136	-0.5148521
## 29	-0.295028552	-0.495576804	-0.4851376
## 30	-1.209639244	0.113332794	-0.5855521
## 31	-0.912669359	-0.227656581	-0.4768185
## 32	-0.736760344	0.076664391	-0.6149494
## 33	-0.747661033	-0.238362684	-0.6156813
## 34	-0.407566149	-0.497450372	-0.4967746
## 35	-0.182008968	-0.491829668	-0.4625956
## 36	0.063532228	-0.393868827	-0.5483480
## 37	-0.662764964	-0.372724274	-0.5491774
## 38	-0.113151721	-0.457034834	-0.4803316
## 39	-0.877068339	-0.079377057	-0.5697434
## 40	-0.822005844	0.278206777	-0.6141199
## 41	-0.732453702	-0.179479118	-0.6232197
## 42	-0.942260203	-0.416083991	-0.4988482
## 43	-0.824358537	-0.207850291	-0.6323194
## 44	-0.912670836	-0.255224796	-0.4793313
## 45	-0.920913036	0.228958704	-0.4369065
## 46	-0.327301302	0.112529836	-0.5241470
## 47	-0.160204335	-0.049132317	-0.4561550
## 48	-0.889132871	-0.015943398	-0.4788922
## 49	-0.542544131	-0.052344147	-0.4027763
## 50	-0.222074654	0.113600446	-0.5682552
## 51	-0.829436486	0.262147623	-0.6101678
## 52	-0.583104237	0.200587532	-0.5947982
## 53	-0.633967538	0.036248853	-0.5741835
## 54	-0.795116507	-0.066262081	-0.4590826
## 55	-0.807615333	0.078537959	-0.4072164
## 56	-0.251433324	-0.011660957	-0.4153647
## 57	0.690714072	0.017245521	-0.5108755
## 58	-0.606211135	0.040798947	-0.5576429
## 59	-0.866802155	0.133942041	-0.3923348
## 60	-1.195438721	0.806820603	-0.7013117
## 61	-0.992939052	0.050166787	-0.5039958
## 62	-0.721502780	0.293462973	-0.5606924
## 63	-0.713177582	0.066761246	-0.5924562
## 64	-0.256194823	0.743654597	-0.7023363
## 65	-0.856016686	-0.053682410	-0.4788922
## 66	-0.115811730	0.047757914	-0.5053620
## 67	-0.547983441	0.023669183	-0.4858451
## 68	-0.422325807	-0.112030671	-0.4962135
## 69	-0.537584557	0.371082219	-0.5225613
## 70	0.709424030	0.207278846	-0.4391265
## 71	-0.400324600	0.332647310	-0.4555646
## 72	-0.341653385	0.240681887	-0.5936589
## 73	-0.700668311	0.131559934	-0.4302659

## 74	-0.075750306	0.754360699	-0.6738514
## 75	0.078244102	0.437299465	-0.4939202
## 76	0.298412556	0.098103362	-0.4009002
## 77	-1.011824535	0.150001196	-0.4247865
## 78	-0.178068436	0.375016712	-0.4726980
## 79	-0.537601335	0.057928712	-0.5511047
## 80	0.346405969	-0.231055769	-0.5659205
## 81	-0.105876004	-0.088691366	-0.5775453
## 82	-0.811025034	0.256205736	-0.6206776
## 83	-0.157461892	-0.038292388	-0.5323026
## 84	-1.034941968	-0.272220734	-0.5433639
## 85	-0.571286488	-0.243287491	-0.5085433
## 86	1.697720922	0.320736770	-0.6765984
## 87	1.517439539	0.195368306	-0.6604238
## 88	-0.135129089	0.289528481	-0.7043295
## 89	0.181861605	-0.431661370	-0.4777505
## 90	-0.135157094	-0.233196989	-0.7519751
## 91	-0.463127745	-0.479009110	-0.6448469
## 92	-0.700717210	-0.781135331	-0.5134566
## 93	-0.178109304	-0.387793114	-0.5422270
## 94	0.030534862	-0.598917461	-0.6018365
## 95	-0.306081323	-0.854793319	-0.5831125
## 96	-0.734549809	-0.485379241	-0.7420313
## 97	-0.829480506	-0.559519003	-0.6850687
## 98	-0.734548045	-0.452457975	-0.7390305
## 99	-0.721498048	0.381788322	-0.5526417
## 100	-0.157489898	-0.561017857	-0.5799483
## 101	-0.571314494	-0.766012961	-0.5561889
## 102	-0.700720092	-0.834933498	-0.5183603
## 103	-0.700712320	-0.689865805	-0.5051376
## 104	0.030536626	-0.565996195	-0.5988358
## 105	-0.700708161	-0.612246559	-0.4980627
## 106	-0.306060100	-0.458667514	-0.5470062
## 107	-0.802426791	0.054342167	-0.5119099
## 108	-0.463085299	0.313242498	-0.5726343
## 109	-0.140549728	0.161831439	-0.4774724
## 110	-0.198872522	0.228878408	-0.5897214
## 111	-0.997835690	0.529264888	-0.6407483
## 112	0.303779654	-0.071427776	-0.4975455
## 113	-0.700714198	-0.724928291	-0.5083335
## 114	-0.135154083	-0.176989949	-0.7468519
## 115	0.298366669	-0.758384863	-0.4789678
## 116	-0.571311482	-0.709805921	-0.5510657
## 117	0.140859104	-0.470149810	-0.5392482
## 118	0.007818765	-0.585240415	-0.5556180
## 119	-0.327342314	-0.652956515	-0.5939199
## 120	-0.135224348	-1.488487544	-0.8663930
## 121	-0.463194998	-1.734299665	-0.7592647
## 122	-0.700784463	-2.036425886	-0.6278745
## 123	-0.178176557	-1.643083669	-0.6566448
## 124	0.030467608	-1.854208016	-0.7162543
## 125	-0.306148577	-2.110083873	-0.6975303
## 126	-0.734617062	-1.740669796	-0.8564491
## 127	-0.829547759	-1.814809558	-0.7994866

## 128	-0.734615298	-1.707748530	-0.8534484
## 129	-0.721565302	-0.873502233	-0.6670595
## 130	-0.157557151	-1.816308412	-0.6943661
## 131	-0.571381747	-2.021303516	-0.6706067
## 132	-0.700787345	-2.090224053	-0.6327781
## 133	-0.700779573	-1.945156359	-0.6195554
## 134	0.030469372	-1.821286750	-0.7132536
## 135	-0.700775415	-1.867537114	-0.6124805
## 136	-0.306127354	-1.713958069	-0.6614240
## 137	-0.802494044	-1.200948388	-0.6263278
## 138	-0.463152553	-0.942048056	-0.6870522
## 139	-0.140616982	-1.093459115	-0.5918902
## 140	-0.198939775	-1.026412147	-0.7041392
## 141	-0.997902944	-0.726025667	-0.7551661
## 142	0.303712401	-1.326718330	-0.6119633
## 143	-0.700781452	-1.980218846	-0.6227513
## 144	-0.135221336	-1.432280504	-0.8612698
## 145	-0.571378736	-1.965096476	-0.6654835
## 146	0.140791850	-1.725440365	-0.6536661
## 147	0.007751512	-1.840530970	-0.6700359
## 148	0.778654512	1.096420684	1.9959728
## 149	1.419593466	1.428309872	1.6650149
## 150	0.204869803	1.725404225	1.5811898
## 151	0.697534300	1.602284042	1.6119290
## 152	0.595807698	1.273606686	1.6531584
## 153	0.273509760	1.068584817	1.8833603
## 154	0.248512109	1.358184898	1.9870926
## 155	1.360876127	1.177787066	1.9707960
## 156	3.245170918	1.235600021	1.7797743
## 157	0.651320504	1.282706873	1.6862396
## 158	0.130138464	1.468993062	2.0168559
## 159	-0.527134667	2.814750186	1.3989020
## 160	-0.122135330	1.301442553	1.7935337
## 161	0.420737214	1.788034926	1.6801405
## 162	0.437387611	1.334631472	1.6166130
## 163	1.351353129	2.688418173	1.3968527
## 164	0.151709403	1.093744159	1.8437409
## 165	1.632119314	1.296624807	1.7908014
## 166	0.767775892	1.248447344	1.8298352
## 167	1.019091160	0.977047638	1.8090984
## 168	0.788573660	1.943273417	1.7564028
## 169	3.282590835	1.615666671	1.9232723
## 170	1.063093574	1.866403599	1.8903961
## 171	1.180436004	1.682472752	1.6142076
## 172	0.462406152	1.464228846	1.9409937
## 173	1.712242162	2.709830378	1.4538225
## 174	2.020230979	2.075707909	1.8136849
## 175	2.460567886	1.397315704	1.9997249
## 176	-0.159906295	1.501111371	1.9519524
## 177	1.507605903	1.951142402	1.8561293
## 178	0.788540105	1.316966402	1.6993159
## 179	2.556554712	0.738997442	1.6696843
## 180	1.651990766	1.023726246	1.6464348
## 181	0.241692707	1.713520450	1.5601701

## 182	1.548818990	1.124524204	1.7369201
## 183	-0.206141161	0.656667511	1.7147977
## 184	0.721169798	0.714533997	1.7844388
## 185	5.259184618	1.842582520	1.4483285
## 186	4.898621852	1.591845592	1.4806778
## 187	1.593484597	1.780165941	1.3928664
## 188	2.227465985	0.337786239	1.8460244
## 189	1.593428586	0.734715001	1.2975751
## 190	0.937487285	0.243090760	1.5118317
## 191	0.462308355	-0.361161683	1.7746121
## 192	1.507524166	0.425522752	1.7170714
## 193	1.924812498	0.003274057	1.5978524
## 194	1.251580128	-0.508477658	1.6353004
## 195	0.394643157	0.230350497	1.3174628
## 196	0.204781762	0.082070973	1.4313879
## 197	0.394646685	0.296193030	1.3234643
##	GLVAR_align.L.ADC	RLVAR_align.L.ADC	Entropy_align.L.ADC SZSE.L.ADC
## 1	0.65247559	-0.445827628	-0.5883206 -0.5014454
## 2	-0.68812271	-0.437306784	-0.6382575 -0.5322334
## 3	0.67396218	-0.246584902	-0.5106176 -0.6485655
## 4	-0.75815594	-0.011989737	-0.5812684 -0.5869649
## 5	-0.55326615	-0.417908266	-0.5837223 -0.5609116
## 6	0.98015078	-0.612981216	-0.3955007 -0.5031381
## 7	-0.03698742	-0.689668817	-0.5390671 -0.4794154
## 8	-0.34172843	-0.131462854	-0.5659780 -0.5900069
## 9	-0.19984974	-0.721939249	-0.6049906 -0.4724973
## 10	0.49435158	-0.220115896	-0.4914981 -0.5456526
## 11	-0.61005261	-0.424797459	-0.5973583 -0.5064500
## 12	-0.21147939	-0.372222035	-0.4983096 -0.5024267
## 13	-1.07346012	1.178752960	-0.7768130 -0.7331773
## 14	-0.78013656	-0.266527305	-0.6291554 -0.5392496
## 15	-0.72411876	0.687625986	-0.6137661 -0.6714786
## 16	-0.57775191	-0.327986162	-0.5859140 -0.5724418
## 17	-0.84394327	-0.539738213	-0.6814602 -0.5434692
## 18	-0.52906474	-0.400322693	-0.5464931 -0.5064745
## 19	0.29561664	-0.077618369	-0.4680639 -0.5697432
## 20	-0.41199786	-0.003106303	-0.4999728 -0.5781088
## 21	-0.61796636	-0.001293357	-0.5585218 -0.6040394
## 22	1.26207462	-0.666281818	-0.5543618 -0.5342941
## 23	-0.43200267	-0.260363289	-0.6151757 -0.5464866
## 24	-0.51877180	-0.198723138	-0.5272361 -0.5685166
## 25	0.28350096	-0.560768382	-0.4391847 -0.5151589
## 26	-0.37659982	-0.435312544	-0.5175796 -0.5161893
## 27	1.06007138	-0.585061854	-0.3863470 -0.5196483
## 28	0.61804758	-0.494777161	-0.4406330 -0.5427087
## 29	0.65678825	-0.620051704	-0.4282218 -0.5022549
## 30	-0.89929939	-0.115508933	-0.7017873 -0.6555817
## 31	0.79527616	-0.700909080	-0.6355974 -0.3982626
## 32	-0.80012208	0.065966926	-0.6458813 -0.6299945
## 33	-0.56313501	0.071405763	-0.5187958 -0.7005494
## 34	0.83951485	-0.558774142	-0.4127809 -0.4859655
## 35	0.43558226	-0.723027017	-0.4183247 -0.4448003
## 36	-0.02868534	-0.322184736	-0.4623869 -0.5339261
## 37	-0.04470058	-0.272691320	-0.4534868 -0.5331411

## 38	1.29823127	-0.565300746	-0.4520557	-0.5630950
## 39	-0.59193076	-0.199267021	-0.5863094	-0.5366492
## 40	-1.08717145	0.051463361	-0.7575731	-0.6445422
## 41	-0.57126441	0.078476251	-0.5247263	-0.6185625
## 42	0.47100665	-0.571283467	-0.4593357	-0.5161893
## 43	-0.61828379	0.187978168	-0.5348168	-0.6452536
## 44	0.79526001	-0.719582420	-0.6360400	-0.4007894
## 45	0.49849172	-0.485531138	-0.6687310	-0.4120988
## 46	-0.24555985	0.055270547	-0.5320020	-0.5143494
## 47	0.40705768	-0.358987532	-0.4537446	-0.4368274
## 48	-0.19716770	-0.267071188	-0.4930323	-0.4783850
## 49	1.47330541	-0.612256038	-0.5198186	-0.4338590
## 50	-0.63437227	0.208464453	-0.5439834	-0.5226413
## 51	-0.94940419	0.463002021	-0.6240930	-0.5621628
## 52	-0.81552221	0.388671250	-0.5753422	-0.5623590
## 53	-0.35111832	0.264665768	-0.4655928	-0.5602983
## 54	0.34026984	-0.373491097	-0.4473113	-0.4409488
## 55	0.71149349	-0.520520989	-0.5978353	-0.4736503
## 56	0.57770123	-0.486075022	-0.5250142	-0.4497313
## 57	-0.25786844	-0.048067355	-0.4886231	-0.5182745
## 58	0.29609891	0.272461434	-0.4600147	-0.5279157
## 59	1.04597393	-0.602466132	-0.6301739	-0.3736813
## 60	-1.12274593	1.129803428	-0.7396526	-0.6594578
## 61	-0.34931973	-0.095022647	-0.5115717	-0.4907002
## 62	-0.73834984	0.187071695	-0.6146127	-0.5427823
## 63	-0.39031836	0.401905753	-0.4856922	-0.6710861
## 64	-1.23236235	1.324332495	-0.7388360	-0.6847751
## 65	0.38047880	-0.263264002	-0.4488197	-0.4492162
## 66	-0.22054917	-0.166634000	-0.5207382	-0.5189124
## 67	-0.37785999	-0.231537454	-0.5134282	-0.4905040
## 68	0.38355309	-0.158294450	-0.3814565	-0.4782624
## 69	-0.77969021	-0.007638667	-0.6835531	-0.5869158
## 70	-0.27138655	-0.425522637	-0.6683872	-0.4451683
## 71	-0.74863349	-0.279707419	-0.6335109	-0.4334223
## 72	-0.51898930	0.519203336	-0.4977604	-0.5522542
## 73	-0.21544335	-0.376428069	-0.5414797	-0.4519859
## 74	-1.22604808	1.162726521	-0.7272530	-0.6718908
## 75	-0.94086426	-0.113986058	-0.6745103	-0.4741728
## 76	0.02659532	-0.510259716	-0.5532612	-0.3850127
## 77	0.07779837	-0.380452809	-0.5724689	-0.4652137
## 78	-0.83925751	-0.198922562	-0.6486768	-0.4510070
## 79	-0.77987370	-0.219753307	-0.6885811	-0.6156186
## 80	-0.48021080	-0.133874072	-0.5201542	-0.6104006
## 81	-0.78310955	0.007517559	-0.5777849	-0.5900486
## 82	-0.97383958	0.166621668	-0.6963527	-0.6154076
## 83	-0.73599502	-0.293612712	-0.6197104	-0.6338584
## 84	0.51684568	-0.298380759	-0.4824927	-0.5228277
## 85	-0.32893958	-0.458699542	-0.5355590	-0.4978710
## 86	-0.85456717	0.684471461	-0.6770570	-0.6882930
## 87	-0.68944166	0.527452239	-0.6353606	-0.6350727
## 88	-1.14949325	0.842632839	-0.6932882	-0.6866813
## 89	0.69204139	-0.587871919	-0.4161596	-0.5096392
## 90	-1.14979954	0.488564555	-0.7016812	-0.7345928
## 91	-0.97485925	-0.338664412	-0.6588984	-0.6341552

## 92	-0.21597816	-0.994642533	-0.5561341	-0.5356409
## 93	-0.83970449	-0.715612069	-0.6609246	-0.5209240
## 94	-0.78042763	-0.603082533	-0.6371316	-0.5847717
## 95	-0.01732413	-0.626632697	-0.4557090	-0.5708374
## 96	-0.72440988	0.351070757	-0.6217440	-0.7170203
## 97	-0.94988566	-0.093517902	-0.6372876	-0.6374671
## 98	-0.72439058	0.373369989	-0.6212154	-0.7140029
## 99	-0.73829808	0.246898901	-0.6131945	-0.5346866
## 100	-0.73630132	-0.647680996	-0.6281034	-0.6817699
## 101	-0.32924588	-0.812767826	-0.5439520	-0.5457826
## 102	-0.21600969	-1.031082740	-0.5569979	-0.5405719
## 103	-0.21592468	-0.932821086	-0.5546687	-0.5272754
## 104	-0.78040834	-0.580783302	-0.6366030	-0.5817543
## 105	-0.21587920	-0.880245663	-0.5534224	-0.5201611
## 106	-0.01709202	-0.358316742	-0.4493487	-0.5345296
## 107	-0.18446675	-0.092412005	-0.5167244	-0.5106401
## 108	-0.97439501	0.197967498	-0.6461778	-0.5615397
## 109	-0.74503168	-0.306937863	-0.6186188	-0.4878938
## 110	-0.87593719	0.339612941	-0.6078025	-0.5648883
## 111	-0.87295876	0.621743542	-0.6717152	-0.5957426
## 112	0.04744561	-0.192522863	-0.4850948	-0.4867432
## 113	-0.21594523	-0.956570674	-0.5552316	-0.5304891
## 114	-1.14976661	0.526636413	-0.7007787	-0.7294410
## 115	0.02609345	-1.090402321	-0.5670132	-0.4635160
## 116	-0.32921295	-0.774695968	-0.5430495	-0.5406308
## 117	-0.84418214	-0.815849834	-0.6880053	-0.5808318
## 118	-0.61029147	-0.700909080	-0.6039033	-0.5438126
## 119	-0.24600840	-0.463231907	-0.5442928	-0.5845117
## 120	-1.15053510	-0.361706951	-0.7218364	-0.8496492
## 121	-0.97559480	-1.188935917	-0.6790536	-0.7492116
## 122	-0.21671372	-1.844914038	-0.5762894	-0.6506973
## 123	-0.84044005	-1.565883575	-0.6810799	-0.6359804
## 124	-0.78116319	-1.453354039	-0.6572868	-0.6998281
## 125	-0.01805969	-1.476904203	-0.4758642	-0.6858938
## 126	-0.72514543	-0.499200748	-0.6418992	-0.8320767
## 127	-0.95062121	-0.943789408	-0.6574428	-0.7525235
## 128	-0.72512614	-0.476901517	-0.6413706	-0.8290593
## 129	-0.73903364	-0.603372605	-0.6333498	-0.6497430
## 130	-0.73703687	-1.497952502	-0.6482586	-0.7968263
## 131	-0.32998144	-1.663039332	-0.5641073	-0.6608390
## 132	-0.21674524	-1.881354246	-0.5771532	-0.6556283
## 133	-0.21666024	-1.783092592	-0.5748239	-0.6423318
## 134	-0.78114390	-1.431054807	-0.6567582	-0.6968106
## 135	-0.21661476	-1.730517168	-0.5735776	-0.6352174
## 136	-0.01782757	-1.208588248	-0.4695040	-0.6495860
## 137	-0.18520231	-0.942683511	-0.5368796	-0.6256965
## 138	-0.97513057	-0.652304007	-0.6663330	-0.6765960
## 139	-0.74576724	-1.157209368	-0.6387741	-0.6029501
## 140	-0.87667275	-0.510658564	-0.6279577	-0.6799447
## 141	-0.87369432	-0.228527964	-0.6918704	-0.7107989
## 142	0.04671006	-1.042794369	-0.5052501	-0.6017996
## 143	-0.21668078	-1.806842180	-0.5753869	-0.6455455
## 144	-1.15050217	-0.323635092	-0.7209340	-0.8444974
## 145	-0.32994850	-1.624967473	-0.5632048	-0.6556872

## 146	-0.84491769	-1.666121339	-0.7081605	-0.6958882
## 147	-0.61102702	-1.551180586	-0.6240586	-0.6588690
## 148	4.72403086	-0.027943658	1.8236519	1.9324757
## 149	0.50867550	1.613497325	1.7753223	1.7549110
## 150	-0.12138833	2.122572461	1.6151031	1.6758680
## 151	0.14637562	1.973910918	1.7126047	1.6754755
## 152	1.07518341	1.725899955	1.9321035	1.6795969
## 153	2.45795973	0.449586224	1.9686665	1.9182960
## 154	3.20040703	0.155526441	1.6676185	1.8528929
## 155	2.93282250	0.224418375	1.8132606	1.9007309
## 156	1.26168315	1.100433709	1.8860429	1.7636445
## 157	2.36961786	1.741491287	1.9432598	1.7443621
## 158	3.86936790	-0.008363845	1.6029412	2.0528310
## 159	-0.46807181	3.456175274	1.3839839	1.4812780
## 160	1.07878058	1.006523124	1.8401457	1.8187931
## 161	0.30072037	1.570711808	1.6340637	1.7146290
## 162	0.99678332	2.000379925	1.8919047	1.4580214
## 163	-0.68730465	3.845233409	1.3856170	1.4306433
## 164	2.53837765	0.670040414	1.9656497	1.9017612
## 165	1.33632170	0.863300419	1.8218126	1.7623688
## 166	1.02170006	0.733493511	1.8364327	1.8191856
## 167	2.54452622	0.879979519	2.1003761	1.8436688
## 168	0.21803963	1.181291084	1.4961829	1.6263619
## 169	1.23464695	0.345523144	1.5265146	1.9098569
## 170	0.28015306	0.637153580	1.5962672	1.9333490
## 171	0.73944145	2.234975091	1.8677683	1.6956852
## 172	1.34653334	0.443712280	1.7803297	1.8962219
## 173	-0.67467612	3.522021460	1.4087831	1.4564121
## 174	-0.10430847	0.968596302	1.5142685	1.8518479
## 175	1.83061068	0.176048985	1.7567666	2.0301681
## 176	1.93301679	0.435662801	1.7183513	1.8697662
## 177	0.09890503	0.798723295	1.5659355	1.8981795
## 178	0.21767263	0.757061804	1.4861268	1.5689563
## 179	0.81699845	0.928820274	1.8229806	1.5793924
## 180	0.21120095	1.211603535	1.7077193	1.6200963
## 181	-0.17025912	1.529811754	1.4705836	1.5693783
## 182	0.30543001	0.609342993	1.6238683	1.5324768
## 183	2.81111141	0.599806899	1.8983037	1.7545381
## 184	1.11954088	0.279169333	1.7921711	1.8044515
## 185	0.06828570	2.565511340	1.5091751	1.4236075
## 186	0.39853673	2.251472896	1.5925680	1.5300481
## 187	-0.52156645	2.881834095	1.4767127	1.4268310
## 188	3.16150281	0.020824580	2.0309699	1.7809152
## 189	-0.52217904	2.173697528	1.4599267	1.3310079
## 190	-0.17229845	0.519239595	1.5454923	1.5318832
## 191	1.34546372	-0.792716647	1.7510208	1.7289117
## 192	0.09801107	-0.234655720	1.5414398	1.7583455
## 193	0.21656478	-0.009596648	1.5890260	1.6306501
## 194	1.74277178	-0.056696976	1.9518711	1.6585188
## 195	0.32860029	1.898709933	1.6198012	1.3661529
## 196	-0.12235127	1.009532614	1.5887140	1.5252594
## 197	0.32863887	1.943308396	1.6208584	1.3721878
##	LZSE.L.ADC	LGLZE.L.ADC	HGLZE.L.ADC	SZLGE.L.ADC SZHGE.L.ADC
## 1	-0.745054662	0.072534917	-0.521165428	0.0876410579 -0.45317623

## 2	-0.680109910	-0.027139144	0.037761686	-0.0082925708	0.03009910
## 3	-0.238609594	0.207736365	-1.110613115	0.1822422751	-1.14244498
## 4	-0.469558713	0.019901749	-0.634245867	0.0146915278	-0.66509515
## 5	-0.513134213	0.016612176	-0.564423660	0.0336783918	-0.58843096
## 6	-0.785499174	-0.033060375	0.317364034	-0.0146215254	0.33501384
## 7	-0.737552690	-0.023520614	0.641782747	-0.0039622334	0.72693518
## 8	-0.283921087	-0.064311318	0.304882920	-0.0469325046	0.22384989
## 9	-0.845060280	0.010033031	1.327912252	0.0303473630	1.43434434
## 10	-0.590251586	0.076482404	-0.961677292	0.0806458975	-0.95330578
## 11	-0.681856236	0.008388244	0.008791777	0.0280156429	0.02856882
## 12	-0.755098623	0.049507906	-0.765598242	0.0649900623	-0.74174499
## 13	1.970793312	0.184380397	-1.568413457	0.1485988845	-1.61108424
## 14	-0.608593182	-0.062666532	0.032992899	-0.0449338873	0.04847330
## 15	0.687005542	-0.071219421	-0.793191190	-0.0619221340	-0.84225873
## 16	-0.482309997	0.031086297	0.037612771	0.0496673299	0.01620981
## 17	-0.575257976	-0.061679660	0.201534520	-0.0436014758	0.20836949
## 18	-0.725514403	0.204775749	-0.783882975	0.1998967276	-0.77953008
## 19	-0.159435896	0.111351877	-1.021472456	0.1012982759	-1.00815934
## 20	-0.442330483	0.434387941	-0.671065626	0.3341371872	-0.68957771
## 21	-0.187015457	-0.046218667	-0.278599830	-0.0306104636	-0.30161453
## 22	-0.525761498	0.365964824	-0.669514208	0.3714447095	-0.61472461
## 23	-0.600150881	0.090298610	-1.169952473	0.0989665558	-1.17119869
## 24	-0.544196095	-0.018257297	-0.259093063	-0.0009643075	-0.27691878
## 25	-0.636844408	-0.012993980	0.198464027	0.0053646472	0.23337795
## 26	-0.680068576	0.444914574	-0.829665428	0.4140818778	-0.83248074
## 27	-0.681484238	0.022533408	-0.094901476	0.0383418321	-0.07325048
## 28	-0.593310241	0.071548045	-0.573707395	0.0843100292	-0.53986964
## 29	-0.771538894	-0.011349194	-0.221000770	0.0043653386	-0.17149424
## 30	-0.107821093	0.041612931	-1.256865575	0.0436714781	-1.29110725
## 31	-0.988207401	0.411689887	-0.881097156	0.4317363303	-0.80678398
## 32	-0.019616096	-0.063653404	-0.775861170	-0.0515959448	-0.80910712
## 33	0.569495324	0.223526315	-0.814197727	0.1742478061	-0.90014489
## 34	-0.752845965	0.277146354	-0.348857441	0.2881689901	-0.28410690
## 35	-0.862027549	0.037336486	-0.108776287	0.0566624903	-0.02862727
## 36	-0.596751227	-0.022533742	0.114768671	-0.0049615420	0.14774611
## 37	-0.637268073	0.607419478	-0.705663191	0.4950258770	-0.70880720
## 38	-0.468556383	0.074837618	-0.107698132	0.0889734694	-0.14023170
## 39	-0.647694366	0.111022920	-0.935290052	0.1132899795	-0.94182847
## 40	-0.208405376	-0.044573880	-0.889362812	-0.0322759779	-0.93297195
## 41	-0.339989540	0.172537934	-0.820135683	0.1279465061	-0.86327122
## 42	-0.614493493	0.200499304	-0.918316071	0.1762464233	-0.90333606
## 43	-0.001677497	0.417282162	-0.914456910	0.3168158376	-0.97118295
## 44	-0.989271730	0.377807286	-0.881098920	0.3974267339	-0.80678593
## 45	-0.895796753	0.782095801	-0.894611937	0.8061439645	-0.84190354
## 46	-0.435148844	0.402150126	-0.280069330	0.4237418612	-0.25556395
## 47	-0.817098387	0.640315207	-0.129195010	0.6669069618	-0.08086546
## 48	-0.698864838	0.492942339	-0.901718514	0.5093493007	-0.89176662
## 49	-0.815393393	0.738344481	-0.419110821	0.7635067962	-0.34298151
## 50	-0.572137321	0.356754019	-0.268289947	0.3784398699	-0.26845888
## 51	-0.434125848	0.382083731	-0.929743046	0.3994253512	-0.95918724
## 52	-0.430106197	0.433072112	-0.676554456	0.4480583713	-0.71012280
## 53	-0.400635642	0.785056417	-0.707118592	0.7165392905	-0.73864887
## 54	-0.823794361	0.548536122	-0.790913545	0.5693078187	-0.76730410
## 55	-0.747090321	0.758081919	-0.751366861	0.7818274545	-0.72631637

## 56	-0.752773632	0.714659556	-0.151416796	0.7421882121	-0.08579825
## 57	-0.569047666	0.372215012	0.681951334	0.3964274253	0.67034586
## 58	-0.340568205	0.387018090	-0.558201373	0.4024232771	-0.52818119
## 59	-0.960555506	0.893941282	-0.805646814	0.9197320457	-0.72525622
## 60	0.579198287	0.552483610	-1.304682096	0.5393285597	-1.35212913
## 61	-0.631016430	1.322243680	-1.055583654	1.1772205700	-1.06741546
## 62	-0.498419603	0.391294535	-0.756444304	0.4104177461	-0.76261751
## 63	0.086765165	0.431756282	-0.793793205	0.4423956224	-0.87957049
## 64	0.820914698	0.347872172	-0.489697833	0.3667812692	-0.60664683
## 65	-0.738245021	0.586037254	-0.851467314	0.6052829294	-0.82343370
## 66	-0.572302654	0.368925439	-0.074391911	0.3914308821	-0.06714153
## 67	-0.630737431	0.392939322	-0.537623012	0.4140818778	-0.52547770
## 68	-0.686010220	0.934731986	-0.426801820	0.8714321285	-0.40622198
## 69	-0.146829277	0.412676759	-0.505412949	0.4317363303	-0.52042567
## 70	-0.809493083	0.536364702	0.785941732	0.5633119669	0.82302766
## 71	-0.825968486	0.512548194	-0.383674527	0.5382626305	-0.34524574
## 72	-0.408977710	0.547779520	-0.448111109	0.5560503242	-0.48201008
## 73	-0.736621661	0.571168384	-0.681381903	0.5951899123	-0.66190957
## 74	0.736502020	0.453039819	-0.283212475	0.4742402575	-0.40552682
## 75	-0.713119617	0.463895410	0.093646658	0.4889967149	0.12073755
## 76	-0.904821852	0.575411933	0.459796903	0.6029178990	0.59837101
## 77	-0.655271771	0.928975234	-0.989856592	0.9411505607	-0.96413626
## 78	-0.761169434	0.470540348	-0.151195899	0.4956254622	-0.10726470
## 79	-0.158919231	0.027796724	-0.505432992	0.0420059637	-0.52044788
## 80	-0.348231376	-0.019277064	0.309051625	-0.0016971338	0.24471506
## 81	-0.459638751	0.004374965	-0.210284269	0.0134923574	-0.26659781
## 82	-0.145676082	0.012993646	-0.880207108	0.0259504050	-0.91305382
## 83	-0.218642570	-0.005789815	-0.172597232	0.0109274653	-0.25493063
## 84	-0.644304013	0.337279747	-1.042848407	0.3408991756	-1.03096679
## 85	-0.743125436	0.028257265	-0.561768659	0.0453703028	-0.53790067
## 86	0.085542736	-0.036942071	1.244521195	-0.0183522777	0.99370701
## 87	-0.147507141	-0.000723873	1.135168152	0.0185888314	0.96861665
## 88	0.445546430	-0.024112737	-0.346647603	-0.0087922251	-0.45908989
## 89	-0.698224174	0.149247758	0.255999086	0.1226501703	0.27595885
## 90	0.425365507	-0.666566333	-0.346681059	-0.6593421447	-0.45912696
## 91	-0.487659544	-0.662322784	-0.532218978	-0.6544788427	-0.56400324
## 92	-0.771858193	-0.550575991	-0.681440318	-0.5406908998	-0.66197431
## 93	-0.790619321	-0.466987943	-0.151244721	-0.4537177385	-0.10731880
## 94	-0.627767643	-0.673079688	0.032961110	-0.6630728969	0.04843807
## 95	-0.691741065	-0.326194221	-0.319501444	-0.3970236287	-0.30592998
## 96	0.667831082	-0.681698369	-0.793222986	-0.6803276260	-0.84229397
## 97	-0.465844927	-0.627683581	-0.929795644	-0.6233337236	-0.95924552
## 98	0.669102077	-0.641236622	-0.793220879	-0.6393559720	-0.84229163
## 99	-0.495009616	0.499850443	-0.756438651	0.5203416957	-0.76261125
## 100	-0.238823493	-0.648243412	-0.172630688	-0.6396224543	-0.25496770
## 101	-0.763306359	-0.614196332	-0.561802114	-0.6051796168	-0.53793774
## 102	-0.773935185	-0.616696408	-0.681443761	-0.6076445781	-0.66197812
## 103	-0.768334540	-0.438401554	-0.681434476	-0.4271028186	-0.66196783
## 104	-0.626496647	-0.632617941	0.032963217	-0.6221012430	0.04844041
## 105	-0.765337884	-0.343003938	-0.681429509	-0.3305029841	-0.66196233
## 106	-0.676447790	0.160662576	-0.319476091	0.0959686299	-0.30590188
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## 108	-0.457072994	0.311390808	-0.532168272	0.3315056745	-0.56394704
## 109	-0.628694539	0.353168385	-0.116154421	0.3765078732	-0.10109218

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## 110 -0.198593913 0.342115420 -0.270787261 0.3625175524 -0.30395476
## 111 -0.210437934 0.407709504 -1.078370947 0.4219431057 -1.10872419
## 112 -0.664968534 0.335667857 0.378585256 0.3587534899 0.42432550
## 113 -0.769688201 -0.481494959 -0.681436720 -0.4707392955 -0.66197032
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## 115 -0.937888393 -0.477251410 0.459742086 -0.4630113087 0.59831027
## 116 -0.761136367 -0.545115300 -0.561798517 -0.5352280126 -0.53793376
## 117 -0.590995583 -0.562681620 0.201508431 -0.5509171581 0.20834058
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## 121 -0.536122692 -2.205132497 -0.532299320 -2.2167313378 -0.56409227
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## 170	0.469088773	1.257504884	1.224607493	1.2903423071	1.34188402
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## 175	0.311382042	1.383232362	2.911550354	1.4196528442	3.22911753
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## 180	1.201748245	0.241158426	1.571388010	0.2408017610	1.49917988
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## 184	0.634774875	0.288923025	0.868419231	0.3045576517	0.95657416
## 185	2.292111219	0.158524353	4.480998939	0.1771124908	4.01978952
## 186	1.826011464	0.230960750	4.262292852	0.2509947090	3.96960880
## 187	3.012118606	0.184183022	1.298661342	0.1962325960	1.11419573
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## 190	1.145706659	-1.092237073	0.927518591	-1.0951406392	0.90436903
## 191	0.577309361	-0.868743487	0.629075912	-0.8675647534	0.70842689
## 192	0.539787104	-0.701567390	1.689467106	-0.6936184308	1.81773790
## 193	0.865490461	-1.113750880	2.057878769	-1.1123287477	2.12925165
## 194	0.737543616	-0.419979945	1.352953660	-0.5802302113	1.42051554
## 195	3.456687910	-1.130988242	0.405510576	-1.1468382058	0.34778757
## 196	1.189335893	-1.022958667	0.132365261	-1.0328504011	0.11388445
## 197	3.459229900	-1.050064748	0.405514790	-1.0648948979	0.34779224
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## 3	0.296453924	-0.9488709700	-0.48269135	-0.48711846	-0.6694902
## 4	0.001412627	-0.5186855680	-0.15663954	-0.13010000	-0.5806975
## 5	-0.124720269	-0.4456794347	-0.54242653	-0.54634438	-0.5542942
## 6	-0.178463851	0.0089869276	-0.57199146	-0.50419384	-0.4347400
## 7	-0.172979812	0.2322009534	-0.61150331	-0.61051225	-0.4375435
## 8	-0.196835382	0.7047449763	-0.53637541	-0.54851811	-0.6267250
## 9	-0.148301637	0.5967895086	-0.63880820	-0.65987541	-0.3955683
## 10	-0.001603594	-0.9239929110	-0.55963665	-0.55498880	-0.5217487
## 11	-0.143914406	-0.1277955006	-0.48155293	-0.47457989	-0.4682284
## 12	-0.092912843	-0.8148923424	-0.32550620	-0.19287021	-0.4449089
## 13	0.957554824	-1.0979815425	0.11867079	-0.20982694	-0.9792453
## 14	-0.199303200	-0.1031734619	-0.40153511	-0.41103367	-0.5146637
## 15	-0.075912322	-0.3507116382	0.70544166	0.57816743	-0.8018637
## 16	-0.118687826	0.0603477490	-0.39465722	-0.40005609	-0.5687446
## 17	-0.200400007	0.1011663798	-0.54935045	-0.58013432	-0.5228191
## 18	0.109173993	-0.7663421515	0.10206143	0.30062038	-0.4571421
## 19	0.221596792	-0.9477397945	-0.32943917	-0.21069195	-0.6269798

## 20	1.237789216	-0.5602506792	0.38634798	0.63849593	-0.5790664
## 21	-0.160640725	-0.1246079950	-0.01921063	0.04295385	-0.6500190
## 22	0.282195423	-0.8032589741	-0.66872657	-0.69916817	-0.5264891
## 23	-0.023813952	-1.0495328081	-0.38448134	-0.40889906	-0.5197353
## 24	-0.156253494	-0.2673105166	-0.14012343	-0.03019780	-0.5475149
## 25	-0.156527695	0.0142791677	-0.56712497	-0.52126265	-0.4868841
## 26	0.431087081	-0.7714816247	0.20455227	0.50669871	-0.4762820
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## 28	-0.052056753	-0.6675481876	-0.58691682	-0.56041337	-0.5199392
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## 31	0.204047868	-1.0175425348	-0.66783332	-0.69877510	-0.2954089
## 32	-0.150221051	-0.4865325811	0.07316440	-0.03781932	-0.6961739
## 33	3.050812503	-0.2286986544	0.40801154	0.46151013	-0.8179453
## 34	0.136319986	-0.5481350189	-0.63195741	-0.62451371	-0.4364731
## 35	-0.120058836	-0.4079455788	-0.57954971	-0.51994534	-0.3737779
## 36	-0.161463331	-0.0756371176	-0.34585511	-0.20139399	-0.5125228
## 37	1.301129866	-0.6699190082	-0.10837584	0.13710533	-0.5003661
## 38	-0.031217405	0.0154900545	-0.65264199	-0.66935014	-0.5690760
## 39	0.057075623	-0.8593292954	0.37404608	0.42665499	-0.4992957
## 40	-0.148301637	-0.6304009496	-0.36420516	-0.48111775	-0.6760146
## 41	0.414634964	-0.6149117113	0.86795870	0.97453922	-0.6291461
## 42	0.337584217	-0.8941238278	-0.55930046	-0.51699648	-0.4914460
## 43	2.563555639	-0.5801537297	0.36374275	0.43735423	-0.7013475
## 44	0.175805067	-1.0175434791	-0.66783932	-0.69877541	-0.2980339
## 45	0.514170272	-0.9858678705	-0.66413147	-0.69742942	-0.3206399
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## 47	0.382279134	-0.3540079619	-0.60815590	-0.59661860	-0.3654695
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## 66	0.164288585	-0.1783632157	-0.52336738	-0.50258611	-0.4933830
## 67	0.191982982	-0.5695127595	-0.31526953	-0.19437207	-0.4562756
## 68	1.188707067	-0.5103005590	0.08592662	0.62504841	-0.4336187
## 69	0.227629235	-0.3003316273	-0.57678092	-0.62201102	-0.6351863
## 70	0.289324674	0.3575185299	-0.65397319	-0.68703442	-0.3728859
## 71	0.273969365	-0.5659545016	-0.44192299	-0.43503596	-0.3546278
## 72	0.439395400	-0.3373160444	2.55630842	3.02765151	-0.5501068
## 73	0.332922784	-0.7099013383	-0.57822337	-0.56798044	-0.3965750

## 74	0.274545189	0.6909439020	0.12646044	-0.16102234	-0.8199256
## 75	0.234347183	-0.1422613328	-0.40295989	-0.43251240	-0.4172414
## 76	0.323051513	-0.1275625623	-0.64626804	-0.66001860	-0.2963289
## 77	0.693306405	-0.9602851081	-0.64381673	-0.66476320	-0.4303055
## 78	0.240297365	-0.3751467594	-0.39204789	-0.39521040	-0.3873797
## 79	-0.093187045	-0.3003423533	-0.57684910	-0.62201452	-0.6650047
## 80	-0.157926125	0.4436022691	-0.31645195	-0.26581568	-0.6229709
## 81	-0.111037592	-0.0840934340	2.55202692	2.74998725	-0.5803025
## 82	-0.094229013	-0.6040880570	0.11732544	-0.06750736	-0.6670002
## 83	-0.140130419	0.1452500273	-0.40497104	-0.44350855	-0.6616635
## 84	0.219019294	-1.0003618477	-0.60029433	-0.60106506	-0.4893078
## 85	-0.117207136	-0.6537535151	-0.50390643	-0.47121460	-0.4436448
## 86	-0.176736379	2.2773029971	-0.17056065	-0.33921643	-0.7642594
## 87	-0.148959722	1.7335573166	-0.16159360	-0.28014123	-0.6780891
## 88	-0.131465637	0.4488506364	0.17649365	-0.08454165	-0.8006175
## 89	0.130287543	0.0291169896	-0.61294960	-0.59371825	-0.4631185
## 90	-0.666982044	0.4488327323	0.17637984	-0.08454748	-0.8503913
## 91	-0.687410089	-0.4373955972	0.82130318	0.72409246	-0.6266842
## 92	-0.602105863	-0.7099325994	-0.57842209	-0.56799062	-0.4834817
## 93	-0.541178190	-0.3751728867	-0.39221397	-0.39521891	-0.4600143
## 94	-0.708139756	-0.1031904795	-0.40164325	-0.41103922	-0.5619578
## 95	0.273448381	-0.4129271825	-0.35362547	-0.21606354	-0.5305694
## 96	-0.584858560	-0.3507286540	0.70533350	0.57816188	-0.8491680
## 97	-0.634900416	-0.7769667330	0.13881178	0.11581382	-0.6321764
## 98	-0.551131720	-0.3507275264	0.70534067	0.57816225	-0.8460333
## 99	0.291792491	-0.7018301936	-0.26520720	-0.28874304	-0.5189708
## 100	-0.675646825	0.1452321232	-0.40508485	-0.44351438	-0.7114374
## 101	-0.652723542	-0.6537714191	-0.50402025	-0.47122043	-0.4934187
## 102	-0.657220454	-0.7099344421	-0.57843380	-0.56799122	-0.4886044
## 103	-0.508602998	-0.7099294733	-0.57840222	-0.56798960	-0.4747910
## 104	-0.674412917	-0.1031893519	-0.40163609	-0.41103885	-0.5588230
## 105	-0.429084433	-0.7099268147	-0.57838532	-0.56798874	-0.4674001
## 106	0.679267265	-0.4129136146	-0.35353922	-0.21605912	-0.4928503
## 107	0.230069633	-0.7726804049	-0.42446714	-0.37561511	-0.4866573
## 108	0.124227680	-0.4373684614	0.82147568	0.72410130	-0.5512461
## 109	0.145779953	-0.1978797569	-0.43675822	-0.42574306	-0.4577614
## 110	0.159161008	-0.0596589298	0.13423779	0.13989382	-0.6043560
## 111	0.256173658	-0.8612770460	0.61714782	0.34222845	-0.6317406
## 112	0.130698846	0.0933034424	-0.56367132	-0.53456589	-0.4480054
## 113	-0.544523453	-0.7099306743	-0.57840985	-0.56799000	-0.4781297
## 114	-0.609399635	0.4488346575	0.17639208	-0.08454686	-0.8450393
## 115	-0.554394724	-0.1275918982	-0.64645453	-0.66002816	-0.3778836
## 116	-0.595141133	-0.6537694940	-0.50400801	-0.47121980	-0.4880666
## 117	-0.618009576	0.1011524177	-0.54943920	-0.58013887	-0.5616341
## 118	-0.561523974	-0.1278094627	-0.48164169	-0.47458444	-0.5070434
## 119	-0.579347101	-0.3363710486	-0.55539505	-0.55616409	-0.5901018
## 120	-1.952989185	0.4487897368	0.17610652	-0.08456149	-0.9699200
## 121	-1.973417230	-0.4374385927	0.82102987	0.72407845	-0.7462128
## 122	-1.888113004	-0.7099755949	-0.57869540	-0.56800463	-0.6030104
## 123	-1.827185331	-0.3752158822	-0.39248728	-0.39523292	-0.5795430
## 124	-1.994146898	-0.1032334750	-0.40191657	-0.41105323	-0.6814864
## 125	-1.012558760	-0.4129701780	-0.35389878	-0.21607755	-0.6500980
## 126	-1.870865701	-0.3507716495	0.70506019	0.57814787	-0.9686967
## 127	-1.920907557	-0.7770097285	0.13853847	0.11579981	-0.7517050

## 128	-1.837138861	-0.3507705219	0.70506736	0.57814824	-0.9655619
## 129	-0.994214650	-0.7018731891	-0.26548051	-0.28875705	-0.6384994
## 130	-1.961653967	0.1451891277	-0.40535817	-0.44352839	-0.8309660
## 131	-1.938730684	-0.6538144146	-0.50429356	-0.47123444	-0.6129473
## 132	-1.943227596	-0.7099774376	-0.57870712	-0.56800523	-0.6081330
## 133	-1.794610139	-0.7099724688	-0.57867553	-0.56800361	-0.5943197
## 134	-1.960420058	-0.1032323474	-0.40190940	-0.41105286	-0.6783516
## 135	-1.715091574	-0.7099698102	-0.57865863	-0.56800275	-0.5869288
## 136	-0.606739876	-0.4129566101	-0.35381253	-0.21607313	-0.6123790
## 137	-1.055937509	-0.7727234003	-0.42474045	-0.37562912	-0.6061859
## 138	-1.161779461	-0.4374114569	0.82120237	0.72408729	-0.6707747
## 139	-1.140227188	-0.1979227524	-0.43703153	-0.42575707	-0.5772900
## 140	-1.126846133	-0.0597019253	0.13396448	0.13987981	-0.7238847
## 141	-1.029833483	-0.8613200414	0.61687450	0.34221444	-0.7512692
## 142	-1.155308295	0.0932604469	-0.56394463	-0.53457990	-0.5675341
## 143	-1.830530595	-0.7099736697	-0.57868317	-0.56800400	-0.5976583
## 144	-1.895406776	0.4487916620	0.17611876	-0.08456086	-0.9645680
## 145	-1.881148274	-0.6538124895	-0.50428132	-0.47123381	-0.6075953
## 146	-1.904016717	0.1011094222	-0.54971252	-0.58015288	-0.6811627
## 147	-1.847531115	-0.1278524582	-0.48191500	-0.47459844	-0.6265720
## 148	1.311001136	0.2833061945	-0.65361415	-0.67085263	2.0441159
## 149	0.669368575	0.9666663436	0.75416592	1.05437218	1.7819175
## 150	0.768629681	0.0687214270	0.96452621	0.95736088	1.6653452
## 151	0.859116324	0.5255436784	1.31356315	1.44474725	1.6608597
## 152	2.406712124	0.5046417484	2.13257838	2.99517445	1.6485245
## 153	1.002249741	-0.0685027455	-0.44397683	-0.31919820	2.0430455
## 154	1.350486217	-0.0002488694	-0.64979440	-0.67466864	1.9498693
## 155	1.246837880	0.8801905405	-0.64037762	-0.65071933	1.9882509
## 156	0.672658999	2.6727966003	-0.24497006	-0.09297228	1.7856384
## 157	0.832244533	0.4122296897	0.12674303	0.43965981	1.6694739
## 158	1.567105756	-0.3236683577	-0.65333664	-0.67898012	2.2292452
## 159	1.555040871	-0.1368265328	6.06483633	3.80425708	1.1953351
## 160	5.025889142	-0.2453443338	1.60342768	2.45667780	1.8586809
## 161	0.757661603	0.2189321614	0.15609199	0.14822684	1.7184577
## 162	0.953441794	0.8466812157	0.08691247	0.15816612	1.3143540
## 163	0.750532352	2.5704377331	0.96710946	0.35067473	1.1353414
## 164	1.115769348	-0.1385536679	-0.45214348	-0.33790678	1.9776488
## 165	0.683627076	1.2658721677	-0.36018990	-0.27945732	1.7864540
## 166	0.739015870	0.4835730803	0.05600579	0.33697076	1.8606688
## 167	2.732464040	0.6019974812	0.85839809	1.97581172	1.9059826
## 168	0.810308377	1.0219353446	-0.46701697	-0.51830715	1.5028474
## 169	0.933699254	2.3376356590	-0.62140151	-0.64835395	2.0274482
## 170	0.902988636	0.4906895959	-0.19730112	-0.14435703	2.0639643
## 171	1.233840707	0.9479665103	5.79916169	6.78101791	1.6730062
## 172	1.020895474	0.2027959226	-0.46990188	-0.41024598	1.9800700
## 173	0.904140284	3.0044864032	0.93946574	0.40367022	1.1333688
## 174	0.823744272	1.3380759337	-0.11937492	-0.13930990	1.9387370
## 175	1.001152933	1.3674734746	-0.60599123	-0.59432231	2.1805621
## 176	1.741662717	-0.2979716170	-0.60108859	-0.60381150	1.9126089
## 177	0.835644637	0.8723050804	-0.09755091	-0.06470591	1.9984606
## 178	0.168675816	1.0219138927	-0.46715334	-0.51831414	1.4432105
## 179	0.039197656	2.5098031374	0.05364096	0.19408353	1.5272781
## 180	0.132974722	1.4544117312	5.79059871	6.22568939	1.6126150
## 181	0.166591881	0.4144224852	0.92119575	0.59070018	1.4392194

## 182	0.074789069	1.9130986538	-0.12339722	-0.16130220	1.4498929
## 183	0.793088495	-0.3781250961	-0.51404380	-0.47641524	1.7946043
## 184	0.120635635	0.3150915691	-0.32126801	-0.21671430	1.8859303
## 185	0.001577148	6.1772045934	0.34542355	0.04728204	1.2447012
## 186	0.057130463	5.0897132324	0.36335766	0.16543243	1.4170416
## 187	0.092118632	2.5202998720	1.03953216	0.55663159	1.1719850
## 188	0.615624993	1.6808325785	-0.53935435	-0.46172160	1.8469829
## 189	-0.978914181	2.5202640638	1.03930453	0.55661993	1.0724372
## 190	-1.019770272	0.7478074049	2.32915123	2.17389980	1.5198516
## 191	-0.849161819	0.2027334003	-0.47029932	-0.41026635	1.8062565
## 192	-0.727306473	0.8722528258	-0.09788309	-0.06472294	1.8531912
## 193	-1.061229606	1.4162176403	-0.11674165	-0.09636354	1.6493044
## 194	0.901946668	0.7967442343	-0.02070607	0.29358781	1.7120812
## 195	-0.814667214	0.9211412912	2.09721186	1.88203866	1.0748839
## 196	-0.914750925	0.0686651332	0.96416842	0.95734254	1.5088672
## 197	-0.747213534	0.9211435464	2.09722620	1.88203939	1.0811534
##	GLNU_norm.L.ADC	ZSNU_norm.L.ADC	GLVAR_area.L.ADC	ZSVAR.L.ADC	
## 1	-0.1479370506	-0.4206376	0.657576783	-0.612594857	
## 2	-0.0875094015	-0.4944409	-0.698366956	-0.565468395	
## 3	-0.2477383717	-0.7518699	0.648262458	-0.059909400	
## 4	-0.1514916182	-0.6179428	-0.767245308	-0.326540001	
## 5	-0.2193018309	-0.5559436	-0.523838527	-0.351499665	
## 6	-0.5039406671	-0.4273670	0.933088637	-0.681158449	
## 7	-0.3232045761	-0.3587763	-0.027162071	-0.571607667	
## 8	-0.1977009970	-0.6189357	-0.334073340	-0.023224733	
## 9	-0.2310592468	-0.3503921	-0.253189608	-0.727681048	
## 10	-0.2739874863	-0.5235099	0.477326405	-0.443135850	
## 11	-0.1528587596	-0.4295734	-0.611517707	-0.516983242	
## 12	-0.3136345864	-0.4230370	-0.220629130	-0.633478447	
## 13	0.3404058519	-0.9116943	-1.033588106	3.920578261	
## 14	-0.0831345490	-0.5069896	-0.784179569	-0.467416168	
## 15	-0.0546980082	-0.7937634	-0.731947272	1.676473012	
## 16	-0.1287970713	-0.5836061	-0.533518514	-0.320451051	
## 17	-0.0470420165	-0.5182697	-0.829576756	-0.409797589	
## 18	-0.2097318412	-0.4312833	-0.545782547	-0.593673822	
## 19	-0.3467194079	-0.5703678	0.290474374	0.279084097	
## 20	-0.2548475069	-0.5971477	-0.427965958	-0.255158382	
## 21	-0.1894981487	-0.6513694	-0.606824927	0.133804764	
## 22	-0.3461725514	-0.4950476	1.269971049	-0.299844232	
## 23	-0.0380188833	-0.5259645	-0.400162029	-0.461427861	
## 24	-0.2480118000	-0.5778419	-0.513797235	-0.406778275	
## 25	-0.4317556020	-0.4499824	0.280524535	-0.458232421	
## 26	-0.2712532035	-0.4541745	-0.383091365	-0.534394620	
## 27	-0.5137840851	-0.4631655	0.990647205	-0.542848700	
## 28	-0.4303884607	-0.5156221	0.681903588	-0.445425496	
## 29	-0.4651138518	-0.4243608	0.650522526	-0.656827809	
## 30	0.0798287040	-0.7642531	-0.861721491	0.140396933	
## 31	-0.1987947101	-0.1527559	0.745331241	-0.845459462	
## 32	0.0303381859	-0.7073286	-0.761292234	0.377010520	
## 33	-0.2272312509	-0.8537493	-0.563677698	1.320143619	
## 34	-0.4642935670	-0.3781372	0.788412835	-0.606103332	
## 35	-0.4599187146	-0.2731137	0.412083821	-0.716308298	
## 36	-0.3696873832	-0.4941099	-0.047031575	-0.432543089	
## 37	-0.3467194079	-0.4945512	-0.074082873	-0.496753837	

## 38	-0.4446067311	-0.5570744	1.103557932	-0.288018585
## 39	-0.0650882827	-0.5041765	-0.598362618	-0.519147084
## 40	0.2280268301	-0.7415826	-1.065923214	-0.009512015
## 41	-0.1575070403	-0.6878298	-0.595079912	-0.167774398
## 42	-0.4027722047	-0.4522439	0.464902794	-0.416389759
## 43	-0.1941464294	-0.7420791	-0.630692128	0.401592769
## 44	-0.2269578227	-0.1555966	0.745315221	-0.848051040
## 45	0.2408779591	-0.2434379	0.487050252	-0.753621989
## 46	0.1263115111	-0.4862221	-0.233000637	-0.152552023
## 47	-0.0063012032	-0.3037548	0.373401204	-0.669408285
## 48	0.0254164769	-0.4053860	-0.219910717	-0.549264743
## 49	-0.0153243364	-0.2950947	1.501400913	-0.662967082
## 50	0.1563886215	-0.5101337	-0.665312968	-0.422252260
## 51	0.3032196062	-0.6000160	-0.975775706	-0.263235048
## 52	0.2395108177	-0.6000160	-0.835789417	-0.260542826
## 53	0.0664307184	-0.5942242	-0.359257916	-0.208409335
## 54	-0.0227068998	-0.3161656	0.284334969	-0.684731305
## 55	0.0940469744	-0.3968914	0.753763999	-0.616142551
## 56	-0.0082152012	-0.3357472	0.650464668	-0.580489483
## 57	0.0358067514	-0.4989364	-0.238134513	-0.409319531
## 58	0.0300647576	-0.5154014	0.267625767	-0.028936269
## 59	0.1752551726	-0.1388557	1.007900155	-0.801327153
## 60	0.6983234663	-0.7985623	-1.093501463	1.321376506
## 61	0.0839301282	-0.4339861	-0.387106949	-0.456370510
## 62	0.3065007455	-0.5562194	-0.735799078	-0.337359210
## 63	0.0885784089	-0.8273004	-0.394884751	0.375425380
## 64	0.7018780339	-0.8505776	-1.216798457	1.773267192
## 65	-0.0183320474	-0.3324377	0.349073466	-0.558674938
## 66	0.0721727122	-0.5011152	-0.224080280	-0.416062666
## 67	0.0601418681	-0.4334621	-0.395149160	-0.452898299
## 68	-0.0782128400	-0.4049171	0.354623084	-0.525663770
## 69	0.3595458312	-0.6477565	-0.762432456	0.164425642
## 70	0.2690410716	-0.3261771	-0.321655328	-0.669257319
## 71	0.3666276236	-0.3097092	-0.766516786	-0.685634583
## 72	0.2728417246	-0.5862620	-0.535282413	-0.217341473
## 73	0.1635250996	-0.3523171	-0.223469264	-0.573952668
## 74	0.7120222230	-0.8300418	-1.206668043	1.522352121
## 75	0.4702569406	-0.4090982	-0.955886698	-0.571023933
## 76	0.1278973951	-0.1807327	-0.005555577	-0.739501663
## 77	0.1688022653	-0.3817254	0.099147824	-0.465254842
## 78	0.4076145223	-0.3519200	-0.849910949	-0.610028440
## 79	0.0396347473	-0.6800247	-0.762614431	0.134987329
## 80	-0.2087474994	-0.6743295	-0.479099623	-0.185970798
## 81	-0.0555182931	-0.6321684	-0.805456797	-0.318730042
## 82	0.2243355483	-0.6803281	-0.949249165	0.155347571
## 83	-0.0323589180	-0.7255671	-0.720182955	-0.003395387
## 84	-0.2576364753	-0.4765472	0.511871702	-0.498640908
## 85	-0.2066147589	-0.4179706	-0.356162535	-0.615719847
## 86	0.2386905329	-0.8343994	-0.796789012	0.346515447
## 87	0.1519317406	-0.7258925	-0.649818721	0.111112102
## 88	0.2520885184	-0.8304169	-1.129880913	1.069683962
## 89	-0.4036198324	-0.4467942	0.670420181	-0.558174235
## 90	-0.2819169063	-0.8842800	-1.130184672	1.020544624
## 91	-0.4688871620	-0.6770985	-0.981235643	-0.376298299

## 92	-0.7688653246	-0.4463639	-0.223999636	-0.659751512
## 93	-0.3716560668	-0.4305221	-0.850354222	-0.681737151
## 94	-0.5906721166	-0.5581831	-0.784468287	-0.514127474
## 95	-0.8363474233	-0.5323961	-0.060441833	-0.590548831
## 96	-0.5622355758	-0.8449596	-0.732235928	1.629771770
## 97	-0.5362872323	-0.6846747	-0.976253258	-0.340471620
## 98	-0.5286038977	-0.8415673	-0.732216797	1.632866567
## 99	0.3967320769	-0.5471181	-0.735747752	-0.329056097
## 100	-0.5663643428	-0.7794303	-0.720486713	-0.052534725
## 101	-0.7406201836	-0.4718338	-0.356466293	-0.664859185
## 102	-0.8238244083	-0.4519074	-0.224030898	-0.664808863
## 103	-0.6756262822	-0.4369592	-0.223946599	-0.651171628
## 104	-0.5570404385	-0.5547908	-0.784449156	-0.511032677
## 105	-0.5963320819	-0.4289611	-0.223901494	-0.643874952
## 106	-0.4316735736	-0.4915781	-0.060211642	-0.553310624
## 107	0.0718445983	-0.4774931	-0.181191565	-0.408944633
## 108	0.3404605375	-0.5954626	-0.980775262	-0.301821883
## 109	0.1903484135	-0.4227971	-0.743107011	-0.444298286
## 110	0.2407959306	-0.5971946	-0.874480776	0.154700934
## 111	0.4908187470	-0.6658350	-0.865327553	0.031573303
## 112	-0.0298707207	-0.4208086	0.018055708	-0.505809264
## 113	-0.7114453865	-0.4405722	-0.223966974	-0.654467712
## 114	-0.2244969682	-0.8784883	-1.130152009	1.025828423
## 115	-0.7470730909	-0.2689878	-0.006053287	-0.820016708
## 116	-0.6832002455	-0.4660420	-0.356433631	-0.659575385
## 117	-0.4634732822	-0.5602736	-0.829813635	-0.448117718
## 118	-0.5692900253	-0.4715773	-0.611754586	-0.555303371
## 119	-0.6556933608	-0.5651001	-0.233445465	-0.224512344
## 120	-1.5642955249	-1.0136289	-1.130914127	0.902539762
## 121	-1.7512657806	-0.8064473	-0.981965099	-0.494303160
## 122	-2.0512439432	-0.5757127	-0.224729091	-0.777756374
## 123	-1.6540346853	-0.5598710	-0.851083678	-0.799742013
## 124	-1.8730507351	-0.6875319	-0.785197743	-0.632132336
## 125	-2.1187260419	-0.6617449	-0.061171289	-0.708553693
## 126	-1.8446141943	-0.9743085	-0.732965383	1.511766909
## 127	-1.8186658509	-0.8140235	-0.976982714	-0.458476482
## 128	-1.8109825163	-0.9709162	-0.732946253	1.514861706
## 129	-0.8856465417	-0.6764669	-0.736477207	-0.447060958
## 130	-1.8487429613	-0.9087791	-0.721216169	-0.170539587
## 131	-2.0229988022	-0.6011826	-0.357195749	-0.782864047
## 132	-2.1062030268	-0.5812563	-0.224760354	-0.782813725
## 133	-1.9580049008	-0.5663081	-0.224676054	-0.769176489
## 134	-1.8394190571	-0.6841396	-0.785178612	-0.629037539
## 135	-1.8787107005	-0.5583100	-0.224630949	-0.761879813
## 136	-1.7140521921	-0.6209269	-0.060941098	-0.671315485
## 137	-1.2105340203	-0.6068420	-0.181921020	-0.526949495
## 138	-0.9419180810	-0.7248114	-0.981504717	-0.419826745
## 139	-1.0920302051	-0.5521459	-0.743836467	-0.562303148
## 140	-1.0415826880	-0.7265434	-0.875210232	0.036696072
## 141	-0.7915598716	-0.7951838	-0.866057009	-0.086431559
## 142	-1.3122493392	-0.5501574	0.017326252	-0.623814125
## 143	-1.9938240050	-0.5699210	-0.224696429	-0.772472574
## 144	-1.5068755867	-1.0078371	-1.130881465	0.907823562
## 145	-1.9655788640	-0.5953909	-0.357163087	-0.777580247

## 146	-1.7458519007	-0.6896225	-0.830543091	-0.566122580
## 147	-1.8516686439	-0.6009261	-0.612484041	-0.673308233
## 148	1.1511206928	2.1605197	4.808432350	-0.397946781
## 149	1.4945466086	1.7304417	0.475004589	0.083482861
## 150	1.7882085779	1.5506772	-0.145920887	0.401517286
## 151	1.6607910009	1.5506772	0.134051690	0.406901730
## 152	1.3146308024	1.5622607	1.087114693	0.511168712
## 153	1.1363555659	2.1183779	2.374300464	-0.441475227
## 154	1.3698633143	1.9569263	3.313158522	-0.304297720
## 155	1.1653389632	2.0792147	3.106559860	-0.232991584
## 156	1.2533828684	1.7528365	1.329361499	0.109348319
## 157	1.2418988807	1.7199063	2.340882059	0.870114844
## 158	1.5322797108	2.4729978	3.821430835	-0.674666924
## 159	2.5784162981	1.1535846	-0.381372401	3.570740394
## 160	1.3496296218	1.8827369	1.031416626	0.015246361
## 161	1.7947708566	1.6382703	0.334032369	0.253268961
## 162	1.3589261832	1.0961085	1.015861022	1.678838141
## 163	2.5855254333	1.0495539	-0.627966389	4.474521766
## 164	1.1451052707	2.0858338	2.503777457	-0.189362495
## 165	1.3261147900	1.7484789	1.357469964	0.095862050
## 166	1.3020531016	1.8837849	1.015332205	0.022190784
## 167	1.0253436854	1.9408749	2.514876693	-0.123340158
## 168	1.9008610280	1.4551962	0.280765613	1.256838666
## 169	1.7198515087	2.0983550	1.162319869	-0.410527257
## 170	1.9150246128	2.1312907	0.272596954	-0.443281783
## 171	1.7274528148	1.5781852	0.735065700	0.493304437
## 172	1.5088195646	2.0460749	1.358691997	-0.219917954
## 173	2.6058138115	1.0906256	-0.607705562	3.972691624
## 174	2.1222832466	1.9325127	-0.106142872	-0.214060485
## 175	1.4375641557	2.3892437	1.794519371	-0.551015945
## 176	1.5193738961	1.9872585	2.003926173	-0.002522302
## 177	1.9969984102	2.0468692	0.105808626	-0.292069498
## 178	1.2610388601	1.3906597	0.280401663	1.197962040
## 179	0.7642743667	1.4020502	0.847431279	0.556045785
## 180	1.0707327794	1.4863724	0.194716931	0.290527298
## 181	1.6304404622	1.3900530	-0.092867804	1.238682523
## 182	1.1170515295	1.2995750	0.365264615	0.921196607
## 183	0.6664964149	1.7976149	2.829373928	-0.069294435
## 184	0.7685398478	1.9147679	1.093305455	-0.303452312
## 185	1.6591504313	1.0819104	0.212052501	1.621018275
## 186	1.4856328467	1.2989241	0.505993082	1.150211586
## 187	1.6859464024	1.0898754	-0.454131302	3.067355305
## 188	0.3745297008	1.8571208	3.146470887	-0.188361089
## 189	0.6179355529	0.9821491	-0.454738819	2.969076629
## 190	0.2439950414	1.3965121	-0.156840761	0.175390784
## 191	-0.3559612837	1.8579813	1.357631253	-0.391515642
## 192	0.4384572320	1.8896649	0.104922081	-0.435486921
## 193	0.0004251324	1.6343430	0.236693951	-0.100267566
## 194	-0.4909254812	1.6859171	1.684746859	-0.253110281
## 195	0.0572982140	1.0607899	0.341158669	4.187530923
## 196	0.1091949009	1.3813599	-0.146875992	0.247044142
## 197	0.1245615701	1.0675745	0.341196931	4.193720517
##	Entropy_area.L.ADC	Max_cooc.H.ADC	Average_cooc.H.ADC	Variance_cooc.H.ADC
## 1	-0.6257851	0.08340477	-0.6642144	-0.6262628

## 2	-0.6568559	0.06727003	-0.3985375	-0.6128917
## 3	-0.4381783	0.14134316	-0.6189469	-0.4471629
## 4	-0.5720668	0.08230468	-0.6063365	-0.6286703
## 5	-0.5622679	0.05736917	-0.5691155	-0.6641421
## 6	-0.4352778	0.09513913	-0.6231404	-0.4813925
## 7	-0.5868760	0.06066946	-0.4457075	-0.4581453
## 8	-0.5360340	0.05846926	-0.4402715	-0.6978645
## 9	-0.6707736	0.07350391	-0.5792830	-0.6426188
## 10	-0.5187276	0.08157128	-0.6753935	-0.6064421
## 11	-0.6321106	0.07130372	-0.4387415	-0.6416028
## 12	-0.5461596	0.06213625	-0.6497916	-0.5299710
## 13	-0.6170351	0.12154144	-0.7327870	-0.7023974
## 14	-0.6340631	0.06653664	-0.6110957	-0.6020919
## 15	-0.5260455	0.08487157	-0.7097165	-0.5751753
## 16	-0.5526546	0.04893510	-0.5628626	-0.6337057
## 17	-0.6735007	0.05150199	-0.4068316	-0.6289611
## 18	-0.5797679	0.06983692	-0.5350372	-0.5860717
## 19	-0.4475173	0.05920266	-0.7351862	-0.6194069
## 20	-0.4974718	0.33716025	-0.6445350	-0.5693706
## 21	-0.5145241	0.11567426	-0.6676563	-0.5854600
## 22	-0.6045979	0.08120458	-0.5760059	-0.5865039
## 23	-0.6190360	0.07167042	-0.6987029	-0.5860341
## 24	-0.5254283	0.05333548	-0.6010625	-0.5870077
## 25	-0.4626009	0.04856840	-0.4545150	-0.5369207
## 26	-0.5369982	0.06873683	-0.4960705	-0.5853416
## 27	-0.4164142	0.06873683	-0.3924603	-0.4893599
## 28	-0.4485742	0.05736917	-0.6345823	-0.5990861
## 29	-0.4748001	0.06653664	-0.5681867	-0.5683277
## 30	-0.6101126	0.05883596	-0.6872116	-0.5901528
## 31	-0.7648453	0.10283980	-0.5778460	-0.6037708
## 32	-0.5708686	0.08927195	-0.6663841	-0.6302939
## 33	-0.4008829	0.11017378	-0.6385929	-0.5990410
## 34	-0.4864143	0.06763673	-0.5266850	-0.5221276
## 35	-0.5013769	0.05663577	-0.3989361	-0.4901404
## 36	-0.4881127	0.07827099	-0.6045153	-0.5779691
## 37	-0.4781242	0.20698223	-0.5098455	-0.5782714
## 38	-0.4789108	0.09587253	-0.4535710	-0.3576259
## 39	-0.6055298	0.10504000	-0.5252450	-0.5972018
## 40	-0.6841387	0.05626907	-0.6870112	-0.7234438
## 41	-0.4987466	0.11860785	-0.5755637	-0.5603409
## 42	-0.4819042	0.04416802	-0.7483513	-0.6496800
## 43	-0.4769664	0.33202647	-0.6522343	-0.5890216
## 44	-0.7652608	0.06506984	-0.5779208	-0.6037782
## 45	-0.7365379	0.58394845	-0.5112245	-0.5849599
## 46	-0.5446307	0.62061832	-0.7638692	-0.7233099
## 47	-0.5330649	0.57808128	-0.5409793	-0.5199879
## 48	-0.5237178	0.54764529	-0.6078760	-0.4477348
## 49	-0.6170472	0.56157984	-0.5576248	-0.6499177
## 50	-0.5688274	0.56708032	-0.6499078	-0.5744339
## 51	-0.6267695	0.54837868	-0.6440710	-0.5438567
## 52	-0.5723048	0.59934980	-0.6097923	-0.5552915
## 53	-0.4545084	0.59348262	-0.6130774	-0.5671180
## 54	-0.5193166	0.54361160	-0.6184807	-0.5967765
## 55	-0.6490781	0.58504855	-0.5377043	-0.5707650

## 56	-0.5826079	0.59164913	-0.3812667	-0.6276361
## 57	-0.4902266	0.58541525	-0.4595835	-0.5672676
## 58	-0.4604063	0.56488012	-0.7374859	-0.6448643
## 59	-0.7473453	0.59714961	-0.6328236	-0.6879619
## 60	-0.6302025	0.68222370	-0.5807636	-0.5587951
## 61	-0.5338112	0.64738732	-0.4651146	-0.6178153
## 62	-0.6061188	0.56378003	-0.6627091	-0.5945101
## 63	-0.3943113	0.63381947	-0.6477482	-0.5895437
## 64	-0.6347288	0.59568281	-0.5685904	-0.6604968
## 65	-0.5153067	0.56194653	-0.6194297	-0.5343522
## 66	-0.5257188	0.54544509	-0.5828695	-0.5292638
## 67	-0.5318425	0.54104471	-0.6148891	-0.4797954
## 68	-0.4203677	0.55974634	-0.5178383	-0.5748660
## 69	-0.6352492	0.55864625	-0.7939660	-0.6193305
## 70	-0.7389866	0.57184740	-0.3756194	-0.5441306
## 71	-0.6880369	0.65204440	-0.5277757	-0.5884091
## 72	-0.4969272	0.81456525	-0.5189532	-0.4778728
## 73	-0.5706472	0.70690252	-0.5265627	-0.5172756
## 74	-0.6096547	0.69091446	-0.5876291	-0.6612007
## 75	-0.7002691	0.64661726	-0.5523607	-0.6025441
## 76	-0.6437842	0.67712659	-0.3414260	-0.6029023
## 77	-0.6048162	0.68097692	-0.5715917	-0.5741910
## 78	-0.6873527	0.65013756	-0.5347828	-0.6189153
## 79	-0.6399691	0.12960881	-0.7948156	-0.6194152
## 80	-0.4778692	0.16165827	-0.4894013	-0.5257293
## 81	-0.5523698	0.21391283	-0.5696897	-0.5785405
## 82	-0.6344383	0.19543122	-0.6422480	-0.5925656
## 83	-0.5392597	0.20558877	-0.5271775	-0.4956762
## 84	-0.5278754	0.15707454	-0.5704656	-0.6766568
## 85	-0.5800104	0.13972969	-0.6053145	-0.5503537
## 86	-0.5694438	0.13932632	-0.4274200	-0.7013441
## 87	-0.5801475	0.17614287	-0.4214451	-0.6633402
## 88	-0.6003258	0.25589983	-0.5789961	-0.6634575
## 89	-0.4613955	0.13529264	-0.4356909	-0.5145887
## 90	-0.6082044	-0.46026267	-0.5804143	-0.6635989
## 91	-0.6364618	-0.53440914	-0.6018612	-0.5753598
## 92	-0.5844035	-0.54353994	-0.5290389	-0.5175224
## 93	-0.6988499	-0.39495364	-0.5368523	-0.6191216
## 94	-0.6415505	-0.61394608	-0.6124431	-0.6022262
## 95	-0.4878371	-0.52817526	-0.5507293	-0.5056384
## 96	-0.5335332	-0.59561115	-0.7110640	-0.5753096
## 97	-0.6391522	-0.57756957	-0.6463006	-0.5440789
## 98	-0.5330370	-0.55050721	-0.7109747	-0.5753007
## 99	-0.6047875	0.68479059	-0.6624694	-0.5944863
## 100	-0.5471383	-0.51057373	-0.5285956	-0.4958175
## 101	-0.5878890	-0.57643281	-0.6067326	-0.5504950
## 102	-0.5852144	-0.61724637	-0.5291848	-0.5175370
## 103	-0.5830279	-0.41849569	-0.5287913	-0.5174978
## 104	-0.6410543	-0.56884214	-0.6123538	-0.6022173
## 105	-0.5818580	-0.31215308	-0.5285807	-0.5174768
## 106	-0.4818666	0.01453876	-0.5496546	-0.5055313
## 107	-0.5241031	0.50254135	-0.7144671	-0.5905316
## 108	-0.6245208	0.55101891	-0.5997118	-0.5751456
## 109	-0.6269857	0.49381392	-0.5366705	-0.5214612

## 110	-0.5793189	0.53250063	-0.5975242	-0.5490967
## 111	-0.6286243	0.51878610	-0.6358753	-0.6318090
## 112	-0.5194739	0.51398235	-0.5996667	-0.5449218
## 113	-0.5835564	-0.46653322	-0.5288864	-0.5175072
## 114	-0.6073573	-0.38325595	-0.5802618	-0.6635837
## 115	-0.6566934	-0.49630915	-0.3437496	-0.6031339
## 116	-0.5870418	-0.49942609	-0.6065801	-0.5504798
## 117	-0.6796447	-0.50698008	-0.4079375	-0.6290714
## 118	-0.6382546	-0.48717835	-0.4398475	-0.6417130
## 119	-0.5561683	-0.42813987	-0.7659460	-0.7235169
## 120	-0.6271245	-2.18007942	-0.5838199	-0.6639383
## 121	-0.6553819	-2.25422589	-0.6052669	-0.5756993
## 122	-0.6033235	-2.26335669	-0.5324445	-0.5178619
## 123	-0.7177700	-2.11477039	-0.5402580	-0.6194610
## 124	-0.6604705	-2.33376283	-0.6158487	-0.6025657
## 125	-0.5067572	-2.24799201	-0.5541350	-0.5059779
## 126	-0.5524533	-2.31542790	-0.7144696	-0.5756491
## 127	-0.6580722	-2.29738632	-0.6497063	-0.5444183
## 128	-0.5519571	-2.27032396	-0.7143803	-0.5756402
## 129	-0.6237076	-1.03502616	-0.6658751	-0.5948257
## 130	-0.5660583	-2.23039048	-0.5320013	-0.4961570
## 131	-0.6068090	-2.29624956	-0.6101383	-0.5508345
## 132	-0.6041344	-2.33706312	-0.5325905	-0.5178764
## 133	-0.6019479	-2.13831244	-0.5321969	-0.5178372
## 134	-0.6599743	-2.28865889	-0.6157594	-0.6025568
## 135	-0.6007780	-2.03196983	-0.5319863	-0.5178162
## 136	-0.5007867	-1.70527798	-0.5530603	-0.5058707
## 137	-0.5430231	-1.21727540	-0.7178727	-0.5908710
## 138	-0.6434409	-1.16879783	-0.6031175	-0.5754850
## 139	-0.6459057	-1.22600283	-0.5400762	-0.5218007
## 140	-0.5982389	-1.18731612	-0.6009299	-0.5494362
## 141	-0.6475444	-1.20103065	-0.6392810	-0.6321485
## 142	-0.5383940	-1.20583440	-0.6030724	-0.5452613
## 143	-0.6024764	-2.18634997	-0.5322920	-0.5178467
## 144	-0.6262773	-2.10307270	-0.5836675	-0.6639231
## 145	-0.6059619	-2.21924284	-0.6099858	-0.5508193
## 146	-0.6985647	-2.22679683	-0.4113431	-0.6294108
## 147	-0.6571746	-2.20699510	-0.4432531	-0.6420524
## 148	1.6262954	1.20990308	1.7244962	1.5771664
## 149	1.7227351	1.22090404	1.5399304	1.7281338
## 150	1.6068509	1.18350078	1.5516040	1.7892883
## 151	1.7157802	1.28544300	1.6201614	1.7664188
## 152	1.9513729	1.27370865	1.6135911	1.7427656
## 153	1.8217566	1.17396661	1.6027846	1.6834488
## 154	1.5622335	1.25684051	1.7643372	1.7354717
## 155	1.6951739	1.27004166	2.0772125	1.6217295
## 156	1.8799367	1.25757391	1.9205788	1.7424664
## 157	1.9395771	1.21650366	1.3647740	1.5872731
## 158	1.3656992	1.28104262	1.5740987	1.5010779
## 159	1.5999848	1.45119080	1.6782186	1.7594115
## 160	1.7927674	1.38151806	1.9095166	1.6413712
## 161	1.6481522	1.21430346	1.5143277	1.6879814
## 162	2.0717672	1.35438235	1.5442495	1.6979143
## 163	1.5909323	1.27810903	1.7025650	1.5560080

## 164	1.8297764	1.21063648	1.6008864	1.8082974
## 165	1.8089523	1.17763360	1.6740069	1.8184740
## 166	1.7967047	1.16883283	1.6099676	1.9174110
## 167	2.0196545	1.20623609	1.8040693	1.7272698
## 168	1.5898914	1.20403590	1.2518139	1.6383406
## 169	1.3824166	1.23043820	2.0885071	1.7887405
## 170	1.4843161	1.39083220	1.7841945	1.7001836
## 171	1.8665353	1.71587390	1.8018394	1.9212561
## 172	1.7190955	1.50054844	1.7866205	1.8424504
## 173	1.6410804	1.46857232	1.6644877	1.5546003
## 174	1.4598515	1.37997792	1.7350244	1.6719135
## 175	1.5728215	1.44099658	2.1568940	1.6711971
## 176	1.6507575	1.44869725	1.6965625	1.7286197
## 177	1.4856844	1.38701854	1.7701803	1.6391711
## 178	1.5804516	0.34596102	1.2501147	1.6381713
## 179	1.9046513	0.41005995	1.8609433	1.8255431
## 180	1.7556503	0.51456907	1.7003665	1.7199206
## 181	1.5915132	0.47760584	1.5552498	1.6918704
## 182	1.7818704	0.49792095	1.7853910	1.8856493
## 183	1.8046390	0.40089248	1.6988147	1.5236880
## 184	1.7003691	0.36620279	1.6291170	1.7762943
## 185	1.7215022	0.36539605	1.9849059	1.4743135
## 186	1.7000948	0.43902914	1.9968558	1.5503214
## 187	1.6597382	0.59854306	1.6817536	1.5500867
## 188	1.9375988	0.35732868	1.9683641	1.8478243
## 189	1.6439809	-0.83378193	1.6789173	1.5498040
## 190	1.5874661	-0.98207487	1.6360234	1.7262820
## 191	1.6915828	-1.00033647	1.7816681	1.8419568
## 192	1.4626900	-0.70316387	1.7660412	1.6387586
## 193	1.5772889	-1.14114875	1.6148597	1.6725492
## 194	1.8847155	-0.96960712	1.7382873	1.8657249
## 195	1.7933233	-1.10447889	1.4176179	1.7263824
## 196	1.5820854	-1.06839574	1.5471447	1.7888439
## 197	1.7943157	-1.01427102	1.4177965	1.7264003
##	Entropy_cooc.H.ADC	DAVE_cooc.H.ADC	DVAR_cooc.H.ADC	DENT_cooc.H.ADC
## 1	-0.5135162	-0.403570871	-0.345774303	-0.5427089
## 2	-0.5879123	-0.449090658	-0.534795674	-0.5544867
## 3	-0.5521140	-0.674229838	-0.534647328	-0.6002605
## 4	-0.5364986	-0.837886522	-0.920515104	-0.6518222
## 5	-0.5449454	-0.473623948	-0.472130661	-0.5533171
## 6	-0.5896604	-0.836228115	-0.716195094	-0.6504806
## 7	-0.5679987	-0.189744859	-0.081787667	-0.4920803
## 8	-0.5495374	-0.625838906	-0.432415880	-0.5880398
## 9	-0.6536105	-0.107363000	-0.060095322	-0.4812313
## 10	-0.5700040	-0.639703250	-0.528594908	-0.5918368
## 11	-0.5339079	-0.510930261	-0.564750160	-0.5657356
## 12	-0.5146263	-0.531265395	-0.466087212	-0.5633662
## 13	-0.5296521	-0.671888641	-0.724941278	-0.6029308
## 14	-0.5472282	-0.737219327	-0.864590286	-0.6258629
## 15	-0.5589888	-1.025795095	-1.192916517	-0.7163700
## 16	-0.5131537	-0.393399019	-0.257706470	-0.5298389
## 17	-0.5336709	-0.193483061	-0.177058156	-0.4937100
## 18	-0.4953932	-0.318789249	-0.192969291	-0.5104027
## 19	-0.5283740	-0.628527212	-0.435314937	-0.5860876

## 20	-0.5490209	-0.851379474	-0.856659291	-0.6514997
## 21	-0.5262005	-0.713518812	-0.630706222	-0.6111138
## 22	-0.7782757	-0.733888228	-1.022289162	-0.6507042
## 23	-0.5247036	-0.413728438	-0.391649415	-0.5358804
## 24	-0.5299803	-0.774949885	-0.840921205	-0.6329666
## 25	-0.5585513	-0.707056594	-0.830681678	-0.6184970
## 26	-0.4939814	-0.328209747	-0.159471918	-0.5116067
## 27	-0.5884633	-0.904437088	-1.041009253	-0.6780438
## 28	-0.5642614	-0.706306668	-0.814450448	-0.6177789
## 29	-0.5718108	-0.705889566	-0.789121866	-0.6177574
## 30	-0.5199171	-0.407320500	-0.347396620	-0.5332789
## 31	-0.8152469	-0.509423267	-0.707360111	-0.6050723
## 32	-0.5077818	-0.443049827	-0.361855366	-0.5403052
## 33	-0.5382771	-0.900570328	-0.936567044	-0.6683344
## 34	-0.6426641	-0.881360797	-1.068445105	-0.6760142
## 35	-0.6096003	-0.414884039	-0.378908546	-0.5426186
## 36	-0.5978094	-0.765359404	-0.771471142	-0.6280516
## 37	-0.5377180	-0.708973547	-0.452446775	-0.6066934
## 38	-0.6821227	-0.502412532	0.104842223	-0.5617365
## 39	-0.5699189	-0.412758534	-0.262302081	-0.5312192
## 40	-0.6186872	-0.345462328	-0.393801800	-0.5248852
## 41	-0.5597606	-0.957079029	-1.014997967	-0.6893099
## 42	-0.5367761	-0.372962467	-0.372520039	-0.5294046
## 43	-0.5576661	-0.935412599	-0.995088116	-0.6794069
## 44	-0.8154555	-0.509570396	-0.707373502	-0.6055152
## 45	-0.8008955	-0.468643012	-0.732422944	-0.5918325
## 46	-0.5658495	-0.632885352	-0.502197610	-0.5871454
## 47	-0.5825607	-0.391837745	0.081370504	-0.5204562
## 48	-0.6297206	-0.609143413	-0.703950229	-0.5845912
## 49	-0.7878223	-0.291863339	-0.450531796	-0.5321480
## 50	-0.5789612	-0.896704995	-1.050186564	-0.6678270
## 51	-0.7416732	-0.899657561	-1.040514159	-0.6682355
## 52	-0.5374811	-0.891364094	-0.943138221	-0.6614629
## 53	-0.5410988	-0.966872347	-1.024714316	-0.6857796
## 54	-0.5458346	-0.546538171	-0.589732255	-0.5684833
## 55	-0.8038732	-0.057045115	-0.096112629	-0.4848992
## 56	-0.7459533	-0.081454132	-0.096615394	-0.4817473
## 57	-0.5491728	-0.825720582	-0.883420369	-0.6434931
## 58	-0.5317142	-0.726813213	-0.600599880	-0.6091616
## 59	-0.8846640	-0.336447504	-0.561579895	-0.5556004
## 60	-0.6007748	-0.461319450	-0.274127000	-0.5348355
## 61	-0.5064530	-0.450769064	-0.318968370	-0.5348355
## 62	-0.5158376	-0.535720669	-0.497686508	-0.5603476
## 63	-0.5891074	-1.171506410	-1.106945553	-0.7650851
## 64	-0.6242312	-0.642270139	-0.368887963	-0.5838774
## 65	-0.5693923	-0.774457076	-0.894636822	-0.6338094
## 66	-0.5586404	-0.796464901	-0.938417016	-0.6401820
## 67	-0.5132813	-0.514559903	-0.570288114	-0.5583008
## 68	-0.5208935	-0.753250600	-0.606979415	-0.6157707
## 69	-0.5709216	-0.318953519	0.018342881	-0.5084204
## 70	-0.7362000	-0.147173352	-0.042449408	-0.4912332
## 71	-0.5986206	-0.004036068	-0.003493234	-0.4483945
## 72	-0.5312068	-0.861080373	-0.702779842	-0.6453464
## 73	-0.5971905	-0.055193584	0.005886405	-0.4563509

## 74	-0.5769518	-0.608037094	-0.386616358	-0.5733083
## 75	-0.6176347	-0.048274411	-0.038197606	-0.4563027
## 76	-0.6432653	-0.121506888	-0.111664067	-0.4779297
## 77	-0.6567440	-0.384106080	-0.371319137	-0.5375789
## 78	-0.5960201	-0.035893206	0.003581202	-0.4517907
## 79	-0.5732915	-0.320624782	0.018190765	-0.5134515
## 80	-0.5420684	-0.846064285	-0.802575408	-0.6511020
## 81	-0.5859625	-0.526127331	-0.221045449	-0.5556541
## 82	-0.5016394	-0.323527924	-0.186747371	-0.5103129
## 83	-0.6545998	-0.577368839	-0.543795373	-0.5770438
## 84	-0.6006332	-0.853011456	-0.906032266	-0.6580504
## 85	-0.5903286	-0.479162544	-0.634562456	-0.5610907
## 86	-0.5191928	-0.405710517	0.144997973	-0.5293405
## 87	-0.6455915	-0.476140128	0.096048494	-0.5446723
## 88	-0.5229685	-0.641447935	-0.372442070	-0.5870771
## 89	-0.5438787	-0.616392554	-0.687255083	-0.5930163
## 90	-0.5269245	-0.644237659	-0.372695987	-0.5954750
## 91	-0.5070882	-0.496905790	-0.434904729	-0.5604839
## 92	-0.5433300	-0.060064531	0.005443057	-0.4710140
## 93	-0.6017931	-0.039964232	0.003210661	-0.4640458
## 94	-0.5509885	-0.739871208	-0.864831540	-0.6338425
## 95	-0.6201014	-0.761648056	-0.645852731	-0.6307813
## 96	-0.5627491	-1.028446976	-1.193157876	-0.7243509
## 97	-0.5453321	-0.904042984	-1.040913250	-0.6814370
## 98	-0.5625000	-1.028271279	-1.193141884	-0.7238220
## 99	-0.5151691	-0.535249287	-0.497643603	-0.5589286
## 100	-0.6585557	-0.580158563	-0.544049290	-0.5854418
## 101	-0.5942846	-0.481952268	-0.634816374	-0.5694886
## 102	-0.5437371	-0.060351646	0.005416924	-0.4718783
## 103	-0.5426392	-0.059577437	0.005487392	-0.4695477
## 104	-0.5507394	-0.739695511	-0.864815548	-0.6333136
## 105	-0.5420518	-0.059163192	0.005525096	-0.4683007
## 106	-0.5360797	-0.759533979	-0.645660310	-0.6244173
## 107	-0.5221544	-0.523652147	-0.508922580	-0.5593573
## 108	-0.5010924	-0.492677637	-0.434519887	-0.5477558
## 109	-0.5999836	-0.101716272	-0.100864907	-0.4683136
## 110	-0.6231101	-0.730571270	-0.790205977	-0.6142232
## 111	-0.5133505	-0.598811291	-0.610242238	-0.5767858
## 112	-0.5611062	-0.687194128	-0.720702101	-0.6043959
## 113	-0.5429046	-0.059764561	0.005470360	-0.4701110
## 114	-0.5264991	-0.643937689	-0.372668684	-0.5945720
## 115	-0.6497472	-0.126077865	-0.112080112	-0.4916898
## 116	-0.5938592	-0.481652298	-0.634789071	-0.5685856
## 117	-0.5367559	-0.195658560	-0.177256167	-0.5002590
## 118	-0.5369929	-0.513105761	-0.564948172	-0.5722845
## 119	-0.5716427	-0.636970663	-0.502569450	-0.5994435
## 120	-0.5364245	-0.650936997	-0.373305754	-0.6156422
## 121	-0.5165883	-0.503605128	-0.435514495	-0.5806511
## 122	-0.5528300	-0.066763869	0.004833290	-0.4911812
## 123	-0.6112931	-0.046663570	0.002600895	-0.4842129
## 124	-0.5604886	-0.746570546	-0.865441307	-0.6540097
## 125	-0.6296015	-0.768347394	-0.646462498	-0.6509485
## 126	-0.5722492	-1.035146314	-1.193767642	-0.7445180
## 127	-0.5548321	-0.910742322	-1.041523017	-0.7016041

## 128	-0.5720000	-1.034970617	-1.193751650	-0.7439891
## 129	-0.5246692	-0.541948625	-0.498253370	-0.5790958
## 130	-0.6680558	-0.586857901	-0.544659057	-0.6056089
## 131	-0.6037847	-0.488651606	-0.635426140	-0.5896558
## 132	-0.5532371	-0.067050984	0.004807157	-0.4920455
## 133	-0.5521393	-0.066276775	0.004877625	-0.4897148
## 134	-0.5602394	-0.746394849	-0.865425315	-0.6534808
## 135	-0.5515518	-0.065862530	0.004915329	-0.4884678
## 136	-0.5455798	-0.766233317	-0.646270077	-0.6445844
## 137	-0.5316544	-0.530351485	-0.509532346	-0.5795245
## 138	-0.5105925	-0.499376974	-0.435129653	-0.5679230
## 139	-0.6094837	-0.108415610	-0.101474674	-0.4884807
## 140	-0.6326101	-0.737270608	-0.790815743	-0.6343903
## 141	-0.5228506	-0.605510629	-0.610852005	-0.5969529
## 142	-0.5706062	-0.693893466	-0.721311867	-0.6245630
## 143	-0.5524046	-0.066463899	0.004860593	-0.4902781
## 144	-0.5359991	-0.650637027	-0.373278451	-0.6147392
## 145	-0.6033593	-0.488351635	-0.635398837	-0.5887528
## 146	-0.5462559	-0.202357898	-0.177865934	-0.5204261
## 147	-0.5464929	-0.519805099	-0.565557939	-0.5924517
## 148	1.3124059	2.065118024	1.560069975	1.7894056
## 149	1.7301282	0.855434711	0.360760439	1.5180477
## 150	1.4047042	0.849529580	0.380105249	1.5172307
## 151	1.8130885	0.866116513	0.574857125	1.5307758
## 152	1.8058531	0.715100008	0.411704934	1.4821424
## 153	1.7963814	1.555768360	1.281669057	1.7167350
## 154	1.2803043	2.534754471	2.268908308	1.8839031
## 155	1.3961440	2.485936438	2.267902779	1.8902070
## 156	1.7897050	0.997403539	0.694292829	1.5667155
## 157	1.8246223	1.195218276	1.259933807	1.6353784
## 158	1.1187226	1.975949693	1.337973777	1.7425008
## 159	1.6865010	1.726205802	1.912879566	1.7840306
## 160	1.8751447	1.747306574	1.823196827	1.7840306
## 161	1.8563755	1.577403364	1.465760551	1.7330064
## 162	1.7098358	0.305831881	0.247242461	1.3235314
## 163	1.6395882	1.364304423	1.723357640	1.6859468
## 164	1.7492661	1.099930549	0.671859922	1.5860828
## 165	1.7707698	1.055914899	0.584299535	1.5733375
## 166	1.8614881	1.619724896	1.320557338	1.7371000
## 167	1.8462637	1.142343501	1.247174736	1.6221601
## 168	1.7462074	2.010937664	2.497819329	1.8368608
## 169	1.4156505	2.354497999	2.376234751	1.8712352
## 170	1.6908094	2.640772565	2.454147099	1.9569125
## 171	1.8256371	0.926683956	1.055573883	1.5630088
## 172	1.6936696	2.538457533	2.472906377	1.9409998
## 173	1.7341470	1.432770514	1.687900850	1.7070849
## 174	1.6527813	2.552295880	2.384738355	1.9410962
## 175	1.6015200	2.405830926	2.237805433	1.8978421
## 176	1.5745625	1.880632541	1.718495292	1.7785437
## 177	1.6960103	2.577058290	2.468295970	1.9501202
## 178	1.7414675	2.007595137	2.497515096	1.8267987
## 179	1.8039138	0.956716131	0.855982750	1.5514977
## 180	1.7161257	1.596590040	2.019042668	1.7423933
## 181	1.8847719	2.001788854	2.087638824	1.8330759

## 182	1.5788511	1.494107025	1.373542822	1.6996140
## 183	1.6867841	0.942821790	0.649069035	1.5376008
## 184	1.7073934	1.690519615	1.192008655	1.7315203
## 185	1.8496651	1.837423669	2.751129513	1.7950206
## 186	1.5968676	1.696564446	2.653230554	1.7643570
## 187	1.8421137	1.365948832	1.716249427	1.6795475
## 188	1.8002932	1.416059594	1.086623401	1.6676691
## 189	1.8342017	1.360369384	1.715741592	1.6627516
## 190	1.8738742	1.655033121	1.591324109	1.7327337
## 191	1.8013907	2.528715639	2.472019680	1.9116736
## 192	1.6844644	2.568916238	2.467554889	1.9256100
## 193	1.7860736	1.169102285	0.731470486	1.5860166
## 194	1.6478478	1.125548589	1.169428104	1.5921390
## 195	1.7625523	0.591950749	0.074817816	1.4049998
## 196	1.7973865	0.840758733	0.379307066	1.4908276
## 197	1.7630506	0.592302143	0.074849799	1.4060576
##	SAVE_cooc.H.ADC	SVAR_cooc.H.ADC	SENT_cooc.H.ADC	ASM_cooc.H.ADC
## 1	-0.6645724	-0.7020362	-0.4477105	0.11312430
## 2	-0.3987956	-0.6241406	-0.8491975	0.10571006
## 3	-0.6192882	-0.2874587	-0.4815200	0.10719290
## 4	-0.6066727	-0.3859861	-0.5326087	0.10496863
## 5	-0.5694384	-0.6923536	-0.6034431	0.10533934
## 6	-0.6234836	-0.2260366	-0.6221580	0.10867575
## 7	-0.4459833	-0.6449972	-0.7400006	0.10682219
## 8	-0.4405461	-0.6688172	-0.7808544	0.10571006
## 9	-0.5796094	-0.9478590	-0.5532994	0.11164145
## 10	-0.6757560	-0.5204221	-0.3932102	0.10719290
## 11	-0.4390155	-0.6251672	-0.7923901	0.10496863
## 12	-0.6501448	-0.4824372	-0.4656584	0.10385649
## 13	-0.7331715	-0.5978274	-0.2921865	0.10459792
## 14	-0.6114337	-0.4054936	-0.5008976	0.10571006
## 15	-0.7100915	-0.1850657	-0.3808829	0.10645148
## 16	-0.5631824	-0.7341558	-0.5603252	0.10348578
## 17	-0.4070935	-0.8558042	-0.8599602	0.10459792
## 18	-0.5353469	-0.7229479	-0.5648842	0.10274436
## 19	-0.7355716	-0.5608984	-0.4091025	0.10496863
## 20	-0.6448863	-0.3119940	-0.4598353	0.10941718
## 21	-0.6680156	-0.4379423	-0.4232338	0.10496863
## 22	-0.5763311	-0.3562765	-0.5590305	0.12090926
## 23	-0.6990742	-0.6335621	-0.4002359	0.10459792
## 24	-0.6013971	-0.3724339	-0.5117462	0.10459792
## 25	-0.4547945	-0.3376976	-0.7687970	0.10608077
## 26	-0.4963659	-0.7230116	-0.6296747	0.10274436
## 27	-0.3927165	-0.1466133	-0.8465836	0.10867575
## 28	-0.6349292	-0.4251447	-0.4773475	0.10682219
## 29	-0.5685086	-0.3885213	-0.6080329	0.10682219
## 30	-0.6875786	-0.6508948	-0.4186256	0.10422721
## 31	-0.5781718	-0.5479610	-0.5127218	0.12461639
## 32	-0.6667433	-0.6833963	-0.3759618	0.10348578
## 33	-0.6389412	-0.3161663	-0.4766051	0.10571006
## 34	-0.5269920	-0.1954650	-0.7417064	0.11164145
## 35	-0.3991947	-0.5056968	-0.8617580	0.10571006
## 36	-0.6048512	-0.3776006	-0.5757021	0.10533934
## 37	-0.5101458	-0.4638743	-0.6100823	0.10645148

## 38	-0.4538502	-0.3716033	-0.6511385	0.11423644
## 39	-0.5255515	-0.6735171	-0.5343513	0.10385649
## 40	-0.6873781	-0.8560662	-0.4022179	0.10385649
## 41	-0.5758883	-0.2257883	-0.5991111	0.10867575
## 42	-0.7487413	-0.7452505	-0.3406857	0.10496863
## 43	-0.6525882	-0.2771523	-0.4596512	0.10978789
## 44	-0.5782092	-0.5479635	-0.5133538	0.08643301
## 45	-0.5120113	-0.5379969	-0.6044740	0.61877603
## 46	-0.7647510	-0.6858201	-0.2774538	0.60320611
## 47	-0.5417765	-0.6440895	-0.6606801	0.60394754
## 48	-0.6086987	-0.2868279	-0.5210177	0.60061112
## 49	-0.5584287	-0.7749179	-0.5281294	0.61729318
## 50	-0.6507467	-0.2624068	-0.4793479	0.60098184
## 51	-0.6449077	-0.2216496	-0.4927244	0.60098184
## 52	-0.6106157	-0.2589124	-0.5411562	0.60135255
## 53	-0.6139021	-0.2284580	-0.5041620	0.60172326
## 54	-0.6193070	-0.5408690	-0.4735309	0.60135255
## 55	-0.5385007	-0.8737810	-0.6459229	0.61951746
## 56	-0.3820043	-0.9354896	-0.9034708	0.61469820
## 57	-0.4603506	-0.3144826	-0.7550400	0.60172326
## 58	-0.7383578	-0.5169573	-0.4043655	0.60098184
## 59	-0.6336561	-0.7805241	-0.4539999	0.62878527
## 60	-0.5815766	-0.5926828	-0.5024501	0.59986970
## 61	-0.4658837	-0.6695794	-0.6974227	0.59949899
## 62	-0.6635521	-0.5605848	-0.4268418	0.59986970
## 63	-0.6485859	-0.1659079	-0.5247116	0.60543038
## 64	-0.5693984	-0.6214614	-0.4949518	0.60061112
## 65	-0.6202568	-0.2905688	-0.4591051	0.60283540
## 66	-0.5836828	-0.2656313	-0.5271906	0.60209397
## 67	-0.6157145	-0.4025996	-0.5384563	0.59949899
## 68	-0.5186276	-0.4090371	-0.5777761	0.60024041
## 69	-0.7948587	-0.8065777	-0.3047715	0.60320611
## 70	-0.3763545	-0.7928827	-0.8852713	0.61321535
## 71	-0.5286918	-0.9480212	-0.6269067	0.72442907
## 72	-0.5198661	-0.2121334	-0.6095785	0.72835862
## 73	-0.5274784	-0.8215227	-0.6271871	0.72680163
## 74	-0.5885678	-0.6354491	-0.4821330	0.72587485
## 75	-0.5532861	-0.9328110	-0.5864144	0.72431786
## 76	-0.3422721	-0.8744995	-0.9097179	0.73258474
## 77	-0.5725243	-0.6361362	-0.5782878	0.73391931
## 78	-0.5357016	-0.9705352	-0.6075438	0.72431786
## 79	-0.7952837	-0.8066063	-0.3119506	0.16947259
## 80	-0.4897737	-0.2653379	-0.7160639	0.18722971
## 81	-0.5700924	-0.5966678	-0.5653101	0.18537615
## 82	-0.6426780	-0.7300888	-0.4247402	0.18482008
## 83	-0.5275642	-0.3981564	-0.6225943	0.18693314
## 84	-0.5708686	-0.4469227	-0.5997087	0.19052905
## 85	-0.6057306	-0.5049183	-0.5299708	0.18608051
## 86	-0.4277692	-0.8945712	-0.7991232	0.18567272
## 87	-0.4217921	-0.7967075	-0.8220388	0.18604343
## 88	-0.5794023	-0.6259035	-0.5038208	0.18652536
## 89	-0.4360432	-0.3775394	-0.8079186	0.18930570
## 90	-0.5801117	-0.6259512	-0.5158045	-0.53747598
## 91	-0.6015666	-0.5684452	-0.5177067	-0.53925540

## 92	-0.5287169	-0.8216061	-0.6481110	-0.53732769
## 93	-0.5367367	-0.9706050	-0.6250315	-0.33221252
## 94	-0.6121079	-0.4055390	-0.5122837	-0.58244339
## 95	-0.5504156	-0.3061614	-0.6268521	-0.53669748
## 96	-0.7107658	-0.1851111	-0.3922683	-0.58155368
## 97	-0.6460227	-0.2217247	-0.5115608	-0.53695698
## 98	-0.7107211	-0.1851081	-0.3915136	-0.53595606
## 99	-0.6634322	-0.5605768	-0.4248169	0.72220479
## 100	-0.5282735	-0.3982042	-0.6345780	-0.53706819
## 101	-0.6064399	-0.5049661	-0.5419545	-0.53792083
## 102	-0.5287899	-0.8216110	-0.6493443	-0.61184089
## 103	-0.5285931	-0.8215978	-0.6460186	-0.41091476
## 104	-0.6120632	-0.4055360	-0.5115289	-0.53684577
## 105	-0.5284877	-0.8215907	-0.6442392	-0.30340816
## 106	-0.5498780	-0.3061252	-0.6177708	0.01195689
## 107	-0.7152900	-0.5592920	-0.3386583	0.55927669
## 108	-0.6004915	-0.5683728	-0.4995440	0.55805334
## 109	-0.5374266	-0.7788243	-0.6184954	0.55768263
## 110	-0.5983032	-0.3501488	-0.5387680	0.55923962
## 111	-0.6366687	-0.5584501	-0.4147428	0.55849819
## 112	-0.6004465	-0.3777369	-0.5460472	0.56153804
## 113	-0.5286406	-0.8216010	-0.6468224	-0.45947809
## 114	-0.5800354	-0.6259461	-0.5145160	-0.45962637
## 115	-0.3434343	-0.8745778	-0.9293532	-0.45369497
## 116	-0.6063637	-0.5049610	-0.5406659	-0.46007123
## 117	-0.4076467	-0.8558415	-0.8693053	-0.45999708
## 118	-0.4395687	-0.6252045	-0.8017353	-0.45962637
## 119	-0.7657897	-0.6858901	-0.2950029	-0.45703138
## 120	-0.5818151	-0.6260660	-0.5445825	-2.27611718
## 121	-0.6032701	-0.5685599	-0.5464847	-2.27789660
## 122	-0.5304204	-0.8217208	-0.6768890	-2.27596890
## 123	-0.5384402	-0.9707197	-0.6538095	-2.07085372
## 124	-0.6138113	-0.4056537	-0.5410617	-2.32108460
## 125	-0.5521190	-0.3062761	-0.6556301	-2.27533869
## 126	-0.7124693	-0.1852258	-0.4210463	-2.32019489
## 127	-0.6477262	-0.2218395	-0.5403389	-2.27559819
## 128	-0.7124246	-0.1852228	-0.4202916	-2.27459726
## 129	-0.6651357	-0.5606915	-0.4535949	-1.01643641
## 130	-0.5299770	-0.3983189	-0.6633560	-2.27570940
## 131	-0.6081434	-0.5050808	-0.5707325	-2.27656204
## 132	-0.5304934	-0.8217257	-0.6781224	-2.35048209
## 133	-0.5302965	-0.8217125	-0.6747966	-2.14955597
## 134	-0.6137666	-0.4056507	-0.5403070	-2.27548697
## 135	-0.5301912	-0.8217054	-0.6730172	-2.04204937
## 136	-0.5515815	-0.3062399	-0.6465488	-1.72668432
## 137	-0.7169934	-0.5594067	-0.3674364	-1.17936452
## 138	-0.6021950	-0.5684875	-0.5283220	-1.18058787
## 139	-0.5391300	-0.7789391	-0.6472734	-1.18095858
## 140	-0.6000066	-0.3502636	-0.5675461	-1.17940159
## 141	-0.6383721	-0.5585649	-0.4435208	-1.18014301
## 142	-0.6021499	-0.3778516	-0.5748252	-1.17710317
## 143	-0.5303441	-0.8217157	-0.6756005	-2.19811929
## 144	-0.5817389	-0.6260608	-0.5432940	-2.19826758
## 145	-0.6080671	-0.5050757	-0.5694439	-2.19871243

## 146	-0.4093501	-0.8559562	-0.8980834	-2.19863829
## 147	-0.4412721	-0.6253192	-0.8305133	-2.19826758
## 148	1.7239727	1.1928754	1.7677673	1.23712433
## 149	1.5393367	2.2178976	1.8653303	1.20450164
## 150	1.5510147	2.2994120	1.8385772	1.20450164
## 151	1.6195986	2.2248866	1.7417137	1.20524307
## 152	1.6130259	2.2857953	1.8157020	1.20598449
## 153	1.6022160	1.6609733	1.8769642	1.20524307
## 154	1.7638286	0.9951492	1.5321803	1.24157288
## 155	2.0768215	0.8717320	1.0170845	1.23193436
## 156	1.9201290	2.1137461	1.3139460	1.20598449
## 157	1.3641145	1.7087967	2.0152951	1.20450164
## 158	1.5735179	1.1816630	1.9160262	1.26010850
## 159	1.6776769	1.5573457	1.8191259	1.20227737
## 160	1.9090626	1.4035525	1.4291807	1.20153594
## 161	1.5137259	1.6215416	1.9703425	1.20227737
## 162	1.5436582	2.4108955	1.7746029	1.21339874
## 163	1.7020332	1.4997884	1.8341224	1.20376022
## 164	1.6003164	2.1615736	1.9058159	1.20820876
## 165	1.6734644	2.2114486	1.7696449	1.20672592
## 166	1.6094010	1.9375120	1.7471134	1.20153594
## 167	1.8035749	1.9246371	1.6684739	1.20301879
## 168	1.2511127	1.1295559	2.2144831	1.20895019
## 169	2.0881211	1.1569459	1.0534834	1.22896866
## 170	1.7834465	0.8466689	1.5702127	1.45139611
## 171	1.8010979	2.3184445	1.6048690	1.45925521
## 172	1.7858734	1.0996659	1.5696518	1.45614123
## 173	1.6636946	1.4718131	1.8597600	1.45428766
## 174	1.7342578	0.8770892	1.6511973	1.45117368
## 175	2.1562860	0.9937123	1.0045903	1.46770745
## 176	1.6957814	1.4704389	1.6674505	1.47037658
## 177	1.7694269	0.8016408	1.6089384	1.45117368
## 178	1.2502628	1.1294986	2.2001248	0.34148315
## 179	1.8612826	2.2120354	1.3918982	0.37699740
## 180	1.7006453	1.5493758	1.6934059	0.37329027
## 181	1.5554740	1.2825336	1.9745456	0.37217814
## 182	1.7857017	1.9463985	1.5788375	0.37640426
## 183	1.6990929	1.8488659	1.6246086	0.38359608
## 184	1.6293689	1.7328746	1.7640845	0.37469898
## 185	1.9852916	0.9535689	1.2257797	0.37388341
## 186	1.9972459	1.1492963	1.1799484	0.37462484
## 187	1.6820254	1.4909043	1.8163844	0.37558869
## 188	1.9687437	1.9876325	1.2081889	0.38114938
## 189	1.6806067	1.4908088	1.7924170	-1.07241399
## 190	1.6376968	1.6058208	1.7886127	-1.07597283
## 191	1.7833963	1.0994991	1.5278041	-1.07211742
## 192	1.7673566	0.8015013	1.5739630	-0.66188706
## 193	1.6166144	1.9316333	1.7994587	-1.16234882
## 194	1.7399989	2.1303885	1.5703219	-1.07085699
## 195	1.4192985	2.3724891	2.0394895	-1.16056940
## 196	1.5487847	2.2992618	1.8009044	-1.07137599
## 197	1.4193878	2.3724951	2.0409989	-1.06937414
##	Contrast_cooc.H.ADC	Dissimilarity_cooc.H.ADC	Inv_diff_cooc.H.ADC	
## 1	-0.29277163	-0.403570871	-0.512639778	

## 2	-0.41384145	-0.449090658	-0.580837057
## 3	-0.64178857	-0.674229838	-0.245750077
## 4	-0.93902832	-0.837886522	-0.218612751
## 5	-0.41601712	-0.473623948	-0.471461835
## 6	-0.85976531	-0.836228115	-0.157258797
## 7	0.05180015	-0.189744859	-0.619537244
## 8	-0.55592710	-0.625838906	-0.343090485
## 9	0.16000630	-0.107363000	-0.730800280
## 10	-0.60611433	-0.639703250	-0.284922217
## 11	-0.49032496	-0.510930261	-0.496593359
## 12	-0.47374765	-0.531265395	-0.444560486
## 13	-0.71200990	-0.671888641	-0.344034392
## 14	-0.82682036	-0.737219327	-0.332117566
## 15	-1.19930364	-1.025795095	-0.087055715
## 16	-0.24812928	-0.393399019	-0.502964731
## 17	0.01106340	-0.193483061	-0.733160047
## 18	-0.14047378	-0.318789249	-0.554643639
## 19	-0.55966744	-0.628527212	-0.326808090
## 20	-0.92652415	-0.851379474	-0.099090529
## 21	-0.71563632	-0.713518812	-0.267695915
## 22	-0.88377987	-0.733888228	-0.496003417
## 23	-0.32128310	-0.413728438	-0.525972464
## 24	-0.85245663	-0.774949885	-0.273595333
## 25	-0.78570947	-0.707056594	-0.358664950
## 26	-0.13834687	-0.328209747	-0.537417336
## 27	-1.04231491	-0.904437088	-0.210825519
## 28	-0.77882267	-0.706306668	-0.365980230
## 29	-0.76878311	-0.705889566	-0.376599183
## 30	-0.29747217	-0.407320500	-0.521370917
## 31	-0.54306755	-0.509423267	-0.677705512
## 32	-0.34152802	-0.443049827	-0.471343847
## 33	-0.99926589	-0.900570328	-0.104517994
## 34	-1.03310281	-0.881360797	-0.237372903
## 35	-0.31768426	-0.414884039	-0.502728754
## 36	-0.81726779	-0.765359404	-0.254835182
## 37	-0.64348127	-0.708973547	-0.203156274
## 38	-0.22648650	-0.502412532	-0.318902869
## 39	-0.27097393	-0.412758534	-0.432997626
## 40	-0.24693703	-0.345462328	-0.586736476
## 41	-1.07629229	-0.957079029	0.004149298
## 42	-0.26938396	-0.372962467	-0.596293534
## 43	-1.05081232	-0.935412599	-0.036556691
## 44	-0.54307265	-0.509570396	-0.689858314
## 45	-0.51189522	-0.468643012	-0.572813848
## 46	-0.59127195	-0.632885352	-0.170355506
## 47	-0.11938788	-0.391837745	-0.202920298
## 48	-0.64476244	-0.609143413	-0.267459938
## 49	-0.21012139	-0.291863339	-0.550750022
## 50	-1.04087312	-0.896704995	-0.047647598
## 51	-1.03969577	-0.899657561	-0.040450307
## 52	-0.99556665	-0.891364094	0.009930728
## 53	-1.08956549	-0.966872347	0.109394927
## 54	-0.53841534	-0.546538171	-0.303682368
## 55	0.20655573	-0.057045115	-0.689858314

## 56	0.17583577	-0.081454132	-0.597237441
## 57	-0.91586552	-0.825720582	-0.067115680
## 58	-0.71839304	-0.726813213	-0.087291692
## 59	-0.30287431	-0.336447504	-0.588388313
## 60	-0.32961970	-0.461319450	-0.215309077
## 61	-0.33548031	-0.450769064	-0.272769415
## 62	-0.49231027	-0.535720669	-0.275011194
## 63	-1.27752645	-1.171506410	0.366963546
## 64	-0.54965690	-0.642270139	-0.086465773
## 65	-0.87420002	-0.774457076	-0.163040227
## 66	-0.91074910	-0.796464901	-0.151359378
## 67	-0.49817305	-0.514559903	-0.323032462
## 68	-0.74528320	-0.753250600	-0.063694017
## 69	-0.06234905	-0.318953519	-0.381790672
## 70	0.11570073	-0.147173352	-0.548980197
## 71	0.30850126	-0.004036068	-0.594889473
## 72	-0.87843982	-0.861080373	0.189485435
## 73	0.24711539	-0.055193584	-0.528603605
## 74	-0.52330617	-0.608037094	-0.095940239
## 75	0.23903929	-0.048274411	-0.569191605
## 76	0.12003973	-0.121506888	-0.576518683
## 77	-0.28383325	-0.384106080	-0.442106328
## 78	0.27059510	-0.035893206	-0.577450791
## 79	-0.06240698	-0.320624782	-0.519837068
## 80	-0.90156087	-0.846064285	-0.149447967
## 81	-0.37547251	-0.526127331	-0.239815262
## 82	-0.14381178	-0.323527924	-0.486163187
## 83	-0.55050958	-0.577368839	-0.340010989
## 84	-0.94702180	-0.853011456	-0.171995545
## 85	-0.48404168	-0.479162544	-0.517618887
## 86	-0.10855576	-0.405710517	-0.295682757
## 87	-0.20263758	-0.476140128	-0.249230734
## 88	-0.54865711	-0.641447935	-0.203038286
## 89	-0.64398703	-0.616392554	-0.361827039
## 90	-0.54875380	-0.644237659	-0.433469579
## 91	-0.42369681	-0.496905790	-0.636220800
## 92	0.24694656	-0.060064531	-0.930943958
## 93	0.27045399	-0.039964232	-0.913717655
## 94	-0.82691226	-0.739871208	-0.551092189
## 95	-0.76376865	-0.761648056	-0.406060880
## 96	-1.19939551	-1.028446976	-0.305994941
## 97	-1.03984775	-0.904042984	-0.402674614
## 98	-1.19938942	-1.028271279	-0.291482371
## 99	-0.49229393	-0.535249287	-0.236075030
## 100	-0.55060628	-0.580158563	-0.570442282
## 101	-0.48413837	-0.481952268	-0.748050180
## 102	0.24693661	-0.060351646	-0.954659621
## 103	0.24696344	-0.059577437	-0.890709922
## 104	-0.82690617	-0.739695511	-0.536579619
## 105	0.24697780	-0.059163192	-0.856493294
## 106	-0.76369537	-0.759533979	-0.231438087
## 107	-0.48402970	-0.523652147	-0.331633814
## 108	-0.42355026	-0.492677637	-0.286975215
## 109	0.14928772	-0.101716272	-0.582111332

## 110	-0.79394738	-0.730571270	-0.167606377
## 111	-0.59867987	-0.598811291	-0.254941371
## 112	-0.72668695	-0.687194128	-0.222541764
## 113	0.24695695	-0.059764561	-0.906166399
## 114	-0.54874340	-0.643937689	-0.408692021
## 115	0.11988130	-0.126077865	-0.954081478
## 116	-0.48412797	-0.481652298	-0.723272622
## 117	0.01098800	-0.195658560	-0.912856340
## 118	-0.49040037	-0.513105761	-0.676289652
## 119	-0.59141355	-0.636970663	-0.507802254
## 120	-0.54898600	-0.650936997	-0.986835050
## 121	-0.42392901	-0.503605128	-1.189586271
## 122	0.24671435	-0.066763869	-1.484309429
## 123	0.27022179	-0.046663570	-1.467083126
## 124	-0.82714446	-0.746570546	-1.104457660
## 125	-0.76400085	-0.768347394	-0.959426351
## 126	-1.19962771	-1.035146314	-0.859360412
## 127	-1.04007995	-0.910742322	-0.956040085
## 128	-1.19962162	-1.034970617	-0.844847842
## 129	-0.49252613	-0.541948625	-0.789440502
## 130	-0.55083848	-0.586857901	-1.123807753
## 131	-0.48437057	-0.488651606	-1.301415651
## 132	0.24670440	-0.067050984	-1.508025092
## 133	0.24673124	-0.066276775	-1.444075394
## 134	-0.82713837	-0.746394849	-1.089945090
## 135	0.24674560	-0.065862530	-1.409858765
## 136	-0.76392757	-0.766233317	-0.784803559
## 137	-0.48426190	-0.530351485	-0.884999285
## 138	-0.42378246	-0.499376974	-0.840340686
## 139	0.14905552	-0.108415610	-1.135476803
## 140	-0.79417958	-0.737270608	-0.720971849
## 141	-0.59891207	-0.605510629	-0.808306842
## 142	-0.72691915	-0.693893466	-0.775907235
## 143	0.24672475	-0.066463899	-1.459531870
## 144	-0.54897561	-0.650637027	-0.962057492
## 145	-0.48436018	-0.488351635	-1.276638093
## 146	0.01075580	-0.202357898	-1.466221811
## 147	-0.49063257	-0.519805099	-1.229655123
## 148	1.90092276	2.065118024	1.115953740
## 149	0.23941928	0.855434711	2.122158588
## 150	0.24177398	0.849529580	2.136553170
## 151	0.33003223	0.866116513	2.237315241
## 152	0.14203454	0.715100008	2.436243638
## 153	1.24433485	1.555768360	1.610089048
## 154	2.73427699	2.534754471	0.837737156
## 155	2.67283706	2.485936438	1.022978902
## 156	0.48943448	0.997403539	2.083222425
## 157	0.88437945	1.195218276	2.042870401
## 158	1.71541691	1.975949693	1.040677158
## 159	1.66192612	1.726205802	1.786835631
## 160	1.65020491	1.747306574	1.671914955
## 161	1.33654499	1.577403364	1.667431397
## 162	-0.23388736	0.305831881	2.951380876
## 163	1.22185173	1.364304423	2.044522238

## 164	0.57276549	1.099930549	1.891373330
## 165	0.49966733	1.055914899	1.914735028
## 166	1.32481942	1.619724896	1.571388861
## 167	0.83059913	1.142343501	2.090065751
## 168	2.19646743	2.010937664	1.453872441
## 169	2.55256698	2.354497999	1.119493391
## 170	2.93816805	2.640772565	1.027674839
## 171	0.56428589	0.926683956	2.596424654
## 172	2.81539630	2.538457533	1.160246575
## 173	1.27455319	1.432770514	2.025573306
## 174	2.79924411	2.552295880	1.079070575
## 175	2.56124499	2.405830926	1.064416419
## 176	1.75349903	1.880632541	1.333241128
## 177	2.86235572	2.577058290	1.062552202
## 178	2.19635157	2.007595137	1.177779648
## 179	0.51804379	0.956716131	1.918557851
## 180	1.57022050	1.596590040	1.737823261
## 181	2.03354197	2.001788854	1.245127411
## 182	1.22014636	1.494107025	1.537431807
## 183	0.42712192	0.942821790	1.873462695
## 184	1.35308217	1.690519615	1.182216011
## 185	2.10405400	1.837423669	1.626088271
## 186	1.91589037	1.696564446	1.718992316
## 187	1.22385131	1.365948832	1.811377213
## 188	1.03319147	1.416059594	1.493799707
## 189	1.22365793	1.360369384	1.350514626
## 190	1.47377191	1.655033121	0.945012185
## 191	2.81505864	2.528715639	0.355565869
## 192	2.86207351	2.568916238	0.390018474
## 193	0.66734101	1.169102285	1.115269407
## 194	0.79362824	1.125548589	1.405332025
## 195	-0.07762549	0.591950749	1.605463903
## 196	0.24147003	0.840758733	1.412104557
## 197	-0.07761331	0.592302143	1.634489043
##	Inv_diff_norm_cooc.H.ADC	IDM_cooc.H.ADC	IDM_norm_cooc.H.ADC
## 1	-0.5783293	-0.404563842	-0.5739996
## 2	-0.5733662	-0.548953683	-0.5659544
## 3	-0.5284852	-0.085096885	-0.5433796
## 4	-0.5034298	-0.088644547	-0.5199402
## 5	-0.5669623	-0.371925353	-0.5650898
## 6	-0.4994273	-0.016449626	-0.5240950
## 7	-0.6133109	-0.525006965	-0.6029146
## 8	-0.5365702	-0.237468965	-0.5491193
## 9	-0.6291073	-0.666913443	-0.6107917
## 10	-0.5354495	-0.128555743	-0.5465737
## 11	-0.5617858	-0.425672431	-0.5591099
## 12	-0.5560222	-0.356493023	-0.5581733
## 13	-0.5330747	-0.230373641	-0.5398012
## 14	-0.5229351	-0.229131959	-0.5305312
## 15	-0.4700225	0.049359503	-0.4974615
## 16	-0.5783827	-0.408998420	-0.5769536
## 17	-0.6153655	-0.712146133	-0.5991921
## 18	-0.5917242	-0.463987180	-0.5854551
## 19	-0.5361966	-0.212812714	-0.5485910

## 20	-0.4988936	0.106299477	-0.5206607
## 21	-0.5228017	-0.131393873	-0.5372556
## 22	-0.5273112	-0.492723242	-0.5272650
## 23	-0.5775288	-0.431526073	-0.5716461
## 24	-0.5146100	-0.157469188	-0.5275772
## 25	-0.5281383	-0.265495494	-0.5345178
## 26	-0.5892160	-0.442878591	-0.5850228
## 27	-0.4922495	-0.104609025	-0.5114147
## 28	-0.5282451	-0.275961097	-0.5342776
## 29	-0.5277114	-0.303278094	-0.5350702
## 30	-0.5779024	-0.429042710	-0.5730150
## 31	-0.5657082	-0.703276978	-0.5554115
## 32	-0.5709381	-0.368555074	-0.5697008
## 33	-0.4906486	0.077208649	-0.5140564
## 34	-0.4975328	-0.131926022	-0.5132639
## 35	-0.5762480	-0.411304400	-0.5734713
## 36	-0.5151170	-0.128733126	-0.5297867
## 37	-0.5202135	-0.042524941	-0.5404977
## 38	-0.5507389	-0.177158712	-0.5696288
## 39	-0.5745936	-0.293876790	-0.5749843
## 40	-0.5903100	-0.516492577	-0.5799075
## 41	-0.4798419	0.237385586	-0.5086288
## 42	-0.5851068	-0.539552379	-0.5762571
## 43	-0.4843780	0.180800378	-0.5101659
## 44	-0.5684565	-0.721547437	-0.5578851
## 45	-0.5382246	-0.551259664	-0.5267847
## 46	-0.4999610	0.012995968	-0.5160977
## 47	-0.5359565	0.040312965	-0.5501520
## 48	-0.5091133	-0.108866220	-0.5143206
## 49	-0.5660551	-0.421592620	-0.5516650
## 50	-0.4579617	0.142663012	-0.4796899
## 51	-0.4571346	0.152064316	-0.4795938
## 52	-0.4567076	0.234724839	-0.4823557
## 53	-0.4425656	0.378405148	-0.4740462
## 54	-0.5191995	-0.142569008	-0.5227501
## 55	-0.6031179	-0.621680753	-0.5836539
## 56	-0.5980748	-0.466115777	-0.5819969
## 57	-0.4691153	0.134858156	-0.4894883
## 58	-0.4834708	0.127408066	-0.5041619
## 59	-0.5598379	-0.507268656	-0.5448205
## 60	-0.5294992	0.024348486	-0.5370394
## 61	-0.5325144	-0.070728854	-0.5373036
## 62	-0.5195197	-0.100351831	-0.5253198
## 63	-0.4006998	0.699823320	-0.4546655
## 64	-0.4955049	0.143372544	-0.5171544
## 65	-0.4797618	0.003594664	-0.4943875
## 66	-0.4762130	0.015834098	-0.4914336
## 67	-0.5250965	-0.167757408	-0.5263765
## 68	-0.4783476	0.152773849	-0.5011600
## 69	-0.5514060	-0.249176249	-0.5567563
## 70	-0.5850801	-0.404031693	-0.5747441
## 71	-0.6014876	-0.447951748	-0.5838293
## 72	-0.4483345	0.537571001	-0.4822836
## 73	-0.5920631	-0.351348913	-0.5776620

## 74	-0.4935864	0.142325984	-0.5119790
## 75	-0.5940723	-0.421024994	-0.5781111
## 76	-0.5822570	-0.464909572	-0.5679285
## 77	-0.5380351	-0.330382231	-0.5339150
## 78	-0.5957454	-0.429858672	-0.5797370
## 79	-0.5826253	-0.456714473	-0.5848547
## 80	-0.4934690	0.009927241	-0.5157879
## 81	-0.5454130	-0.032201245	-0.5590426
## 82	-0.5844691	-0.353850015	-0.5803134
## 83	-0.5418962	-0.205504531	-0.5481323
## 84	-0.4940640	-0.029167994	-0.5135281
## 85	-0.5634001	-0.440572611	-0.5561151
## 86	-0.5618151	-0.109238724	-0.5773666
## 87	-0.5493781	-0.060919568	-0.5684784
## 88	-0.5258089	-0.023420782	-0.5442442
## 89	-0.5371145	-0.252440098	-0.5415352
## 90	-0.5779210	-0.369849970	-0.5911469
## 91	-0.6085399	-0.625104247	-0.6048238
## 92	-0.6830525	-0.956225274	-0.6595556
## 93	-0.6717922	-0.935400499	-0.6481818
## 94	-0.5724537	-0.558337249	-0.5751068
## 95	-0.5599126	-0.356049565	-0.5745088
## 96	-0.5195357	-0.279934478	-0.5420251
## 97	-0.5390544	-0.392555007	-0.5533341
## 98	-0.5162537	-0.258116357	-0.5390712
## 99	-0.5107143	-0.041815409	-0.5173946
## 100	-0.5940083	-0.551933719	-0.5950350
## 101	-0.6155122	-0.787001800	-0.6030178
## 102	-0.6884158	-0.991879277	-0.6643828
## 103	-0.6739536	-0.895737638	-0.6513663
## 104	-0.5691716	-0.536519128	-0.5721528
## 105	-0.6662155	-0.844296540	-0.6444017
## 106	-0.5204216	-0.093522582	-0.5389655
## 107	-0.5253046	-0.187127642	-0.5285955
## 108	-0.5295579	-0.100050280	-0.5337373
## 109	-0.5974851	-0.449104738	-0.5819921
## 110	-0.4896666	0.013173351	-0.5028603
## 111	-0.5124033	-0.083216624	-0.5192798
## 112	-0.4971592	-0.072041489	-0.5080861
## 113	-0.6774491	-0.918974824	-0.6545123
## 114	-0.5723176	-0.332599520	-0.5861036
## 115	-0.6676430	-1.032535483	-0.6447788
## 116	-0.6099088	-0.749751349	-0.5979745
## 117	-0.6560038	-0.982300590	-0.6357681
## 118	-0.6024241	-0.695826888	-0.5956858
## 119	-0.5762747	-0.494319690	-0.5847827
## 120	-0.7030649	-1.201776696	-0.7037806
## 121	-0.7336837	-1.457030972	-0.7174575
## 122	-0.8081964	-1.788152000	-0.7721893
## 123	-0.7969361	-1.767327224	-0.7608155
## 124	-0.6975975	-1.390263975	-0.6877405
## 125	-0.6850564	-1.187976291	-0.6871425
## 126	-0.6446795	-1.111861204	-0.6546588
## 127	-0.6641982	-1.224481732	-0.6659678

## 128	-0.6413975	-1.090043083	-0.6517049
## 129	-0.6358581	-0.873742134	-0.6300283
## 130	-0.7191521	-1.383860445	-0.7076687
## 131	-0.7406560	-1.618928525	-0.7156515
## 132	-0.8135597	-1.823806002	-0.7770165
## 133	-0.7990974	-1.727664364	-0.7640000
## 134	-0.6943155	-1.368445854	-0.6847865
## 135	-0.7913593	-1.676223265	-0.7570354
## 136	-0.6455654	-0.925449307	-0.6515992
## 137	-0.6504484	-1.019054367	-0.6412292
## 138	-0.6547017	-0.931977005	-0.6463710
## 139	-0.7226289	-1.281031463	-0.6946258
## 140	-0.6148104	-0.818753374	-0.6154940
## 141	-0.6375471	-0.915143349	-0.6319135
## 142	-0.6223031	-0.903968214	-0.6207198
## 143	-0.8025929	-1.750901549	-0.7671460
## 144	-0.6974614	-1.164526245	-0.6987373
## 145	-0.7350526	-1.581678075	-0.7106082
## 146	-0.7811477	-1.814227315	-0.7484018
## 147	-0.7275680	-1.527753613	-0.7083195
## 148	1.6451217	0.946208442	1.6902503
## 149	1.8613083	2.074719706	1.8342005
## 150	1.8629627	2.093522314	1.8343926
## 151	1.8638166	2.258843360	1.8288690
## 152	1.8921007	2.546203978	1.8454879
## 153	1.7388328	1.504255665	1.7480802
## 154	1.5709960	0.546032175	1.6262724
## 155	1.5810822	0.857162127	1.6295866
## 156	1.8390013	2.059109993	1.8146037
## 157	1.8102902	2.044209813	1.7852565
## 158	1.6575560	0.774856370	1.7039393
## 159	1.7182335	1.838090654	1.7195015
## 160	1.7122031	1.647935974	1.7189731
## 161	1.7381924	1.588690020	1.7429408
## 162	1.9758323	3.189040321	1.8842493
## 163	1.7862220	2.076138770	1.7592715
## 164	1.8177081	1.796583009	1.8048053
## 165	1.8248058	1.821061877	1.8107132
## 166	1.7270389	1.453878866	1.7408274
## 167	1.8205365	2.094941379	1.7912604
## 168	1.6744198	1.291041183	1.6800676
## 169	1.6070716	0.981330295	1.6440921
## 170	1.5742567	0.893490185	1.6259218
## 171	1.8805629	2.864535684	1.8290131
## 172	1.5931056	1.086695855	1.6382563
## 173	1.7900591	2.074045650	1.7696223
## 174	1.5890872	0.947343694	1.6373581
## 175	1.6127177	0.859574537	1.6577234
## 176	1.7011616	1.128629219	1.7257503
## 177	1.5857411	0.929676337	1.6341064
## 178	1.6119813	0.875964735	1.6238709
## 179	1.7902939	1.809248162	1.7620045
## 180	1.6864058	1.724991191	1.6754951
## 181	1.6082937	1.081693651	1.6329536

## 182	1.6934395	1.378384620	1.6973157
## 183	1.7891038	1.731057693	1.7665242
## 184	1.6504316	0.908248459	1.6813501
## 185	1.6536016	1.570916233	1.6388471
## 186	1.6784756	1.667554544	1.6566235
## 187	1.7256140	1.742552118	1.7050920
## 188	1.7030027	1.284513485	1.7105100
## 189	1.6213897	1.049693741	1.6112866
## 190	1.5601520	0.539185187	1.5839327
## 191	1.4111268	-0.123056867	1.4744691
## 192	1.4336473	-0.081407316	1.4972168
## 193	1.6323245	0.672719183	1.6433668
## 194	1.6574066	1.077294551	1.6445628
## 195	1.7381604	1.229524725	1.7095301
## 196	1.6991230	1.004283668	1.6869121
## 197	1.7447245	1.273160966	1.7154380
##	Inv_var_cooc.H.ADC	Correlation_cooc.H.ADC	Autocorrelation_cooc.H.ADC
## 1	-0.33720001	-0.636081774	-0.77061646
## 2	-0.52337141	-0.474564658	-0.27222828
## 3	-0.11200962	-0.059047031	-0.57315299
## 4	-0.12618244	0.150835030	-0.54165145
## 5	-0.39459119	-0.525447435	-0.59404082
## 6	-0.04377010	0.163762412	-0.54536154
## 7	-0.47577872	-0.855283576	-0.41142888
## 8	-0.19932120	-0.385688906	-0.34436239
## 9	-0.66439974	-1.210786583	-0.72321879
## 10	-0.18917276	-0.235408089	-0.71973608
## 11	-0.41856251	-0.410303543	-0.33922805
## 12	-0.36922009	-0.322705498	-0.68268492
## 13	-0.27123515	-0.193168620	-0.81884169
## 14	-0.26808563	0.035052285	-0.56526356
## 15	0.00294772	0.500663517	-0.64644255
## 16	-0.38864211	-0.698952444	-0.60890540
## 17	-0.64795226	-1.010299422	-0.37890488
## 18	-0.51549762	-0.775239030	-0.56873010
## 19	-0.27123515	-0.303802960	-0.83063003
## 20	-0.01839900	0.179320366	-0.59246459
## 21	-0.14455462	-0.085127273	-0.67867517
## 22	-0.37009496	0.115660525	-0.48889216
## 23	-0.44673318	-0.558404743	-0.81060801
## 24	-0.16835096	0.077705130	-0.53864903
## 25	-0.24428929	0.037044004	-0.27865774
## 26	-0.47245423	-0.776967691	-0.49956048
## 27	-0.09013798	0.368157851	-0.09812293
## 28	-0.28733268	-0.020452783	-0.61411736
## 29	-0.28785760	-0.007600560	-0.49369530
## 30	-0.46003114	-0.591324472	-0.79771258
## 31	-0.38689238	-0.309139263	-0.56642418
## 32	-0.42871095	-0.580914923	-0.76540892
## 33	0.01029659	0.245422881	-0.57589467
## 34	-0.15627781	0.336929204	-0.35396421
## 35	-0.36957004	-0.466221987	-0.25832756
## 36	-0.15820252	0.042568205	-0.54922490
## 37	-0.10658545	-0.165322137	-0.41918209

## 38	-0.09503722	-0.444388240	-0.34098659
## 39	-0.35889668	-0.630783051	-0.52787881
## 40	-0.55661630	-0.806242199	-0.84490338
## 41	0.19121879	0.363385242	-0.44153952
## 42	-0.52634595	-0.690947989	-0.91947721
## 43	0.04091689	0.314268706	-0.58551851
## 44	-0.40491461	-0.313009961	-0.56642626
## 45	-0.34507380	-0.278624628	-0.45207888
## 46	0.02936866	-0.316692762	-0.90065927
## 47	0.01117146	-0.676291945	-0.56676075
## 48	-0.12128319	-0.005909478	-0.55546531
## 49	-0.19949617	-0.714097022	-0.61372192
## 50	0.08623492	0.362333013	-0.58118767
## 51	0.09918293	0.380972494	-0.56308888
## 52	0.16287315	0.321333671	-0.51718563
## 53	0.31772435	0.425090944	-0.50691372
## 54	-0.09381241	-0.257918269	-0.63685755
## 55	-0.49905014	-1.121008921	-0.64167318
## 56	-0.40683931	-1.159603169	-0.36605929
## 57	0.09533352	0.218403149	-0.27158268
## 58	0.08466016	-0.082684599	-0.81060630
## 59	-0.21296910	-0.642958841	-0.73469938
## 60	-0.13248147	-0.470130265	-0.60414325
## 61	-0.17972421	-0.524658263	-0.41419167
## 62	-0.10990994	-0.311281300	-0.72013236
## 63	0.65699722	0.636438609	-0.53349307
## 64	0.07801119	-0.305719519	-0.56651651
## 65	0.06838766	0.193036920	-0.55253037
## 66	0.06208863	0.239485304	-0.48096331
## 67	-0.19442195	-0.199218935	-0.60629665
## 68	0.11947981	0.009347839	-0.41341857
## 69	-0.26091174	-0.858590580	-1.02706247
## 70	-0.18059908	-0.979672049	-0.31982935
## 71	-0.44501845	-1.253822740	-0.65028928
## 72	0.42573525	0.250612623	-0.36158885
## 73	-0.39299894	-1.087217345	-0.61575750
## 74	0.09242897	-0.326316897	-0.60549318
## 75	-0.42293684	-1.189550351	-0.68336329
## 76	-0.38001593	-1.046293162	-0.27260297
## 77	-0.22061543	-0.527762338	-0.60230631
## 78	-0.43068815	-1.250354143	-0.66345975
## 79	-0.46563028	-0.902558711	-1.02708611
## 80	0.03257067	0.189241380	-0.31547817
## 81	-0.13846555	-0.477574784	-0.57969127
## 82	-0.43917434	-0.770398777	-0.75506678
## 83	-0.24598653	-0.194758237	-0.44620468
## 84	-0.07367301	0.132236886	-0.49180859
## 85	-0.42785358	-0.321228620	-0.61114885
## 86	-0.11020739	-0.945809072	-0.41321739
## 87	-0.09354995	-0.781108963	-0.37235314
## 88	-0.10962998	-0.351867267	-0.58421369
## 89	-0.27459463	-0.102421404	-0.26709122
## 90	-0.45135247	-0.425260224	-0.58425315
## 91	-0.67855506	-0.490178981	-0.62211303

## 92	-0.98965726	-1.215363778	-0.61582639
## 93	-0.92936152	-1.357456000	-0.66351733
## 94	-0.59276574	-0.034687935	-0.56530106
## 95	-0.39690084	-0.029712396	-0.44452344
## 96	-0.32185487	0.430900750	-0.64648005
## 97	-0.43801952	0.265603125	-0.56315092
## 98	-0.30033318	0.435523040	-0.64647756
## 99	-0.05216881	-0.298880032	-0.72012569
## 100	-0.58770902	-0.268151194	-0.44624414
## 101	-0.76957607	-0.394621577	-0.61118831
## 102	-1.02482685	-1.222917277	-0.61583046
## 103	-0.92999143	-1.202549135	-0.61581950
## 104	-0.57124405	-0.030065644	-0.56529858
## 105	-0.87924922	-1.191651051	-0.61581365
## 106	-0.13794063	0.025905411	-0.44449354
## 107	-0.17316272	-0.321521740	-0.80586261
## 108	-0.16063464	-0.378943368	-0.62205322
## 109	-0.46319815	-0.995342741	-0.61426097
## 110	-0.04910678	0.083462325	-0.53544786
## 111	-0.14102016	-0.221830580	-0.66368641
## 112	-0.13097670	0.007461344	-0.55168463
## 113	-0.95291290	-1.207472062	-0.61582215
## 114	-0.41460812	-0.417368508	-0.58424891
## 115	-0.93992990	-1.166547879	-0.27266763
## 116	-0.73283172	-0.386729861	-0.61118407
## 117	-0.91443632	-1.067533151	-0.37893565
## 118	-0.68504656	-0.467537273	-0.33925882
## 119	-0.47105445	-0.424170415	-0.90071706
## 120	-1.27197638	-0.601508543	-0.58434791
## 121	-1.49917896	-0.666427301	-0.62220779
## 122	-1.81028116	-1.391612097	-0.61592115
## 123	-1.74998543	-1.533704319	-0.66361209
## 124	-1.41338965	-0.210936254	-0.56539582
## 125	-1.21752474	-0.205960715	-0.44461820
## 126	-1.14247877	0.254652430	-0.64657481
## 127	-1.25864343	0.089354806	-0.56324568
## 128	-1.12095708	0.259274721	-0.64657232
## 129	-0.87279271	-0.475128352	-0.72022045
## 130	-1.40833292	-0.444399513	-0.44633890
## 131	-1.59019998	-0.570869896	-0.61128307
## 132	-1.84545076	-1.399165597	-0.61592522
## 133	-1.75061533	-1.378797454	-0.61591426
## 134	-1.39186795	-0.206313964	-0.56539334
## 135	-1.69987313	-1.367899370	-0.61590841
## 136	-0.95856454	-0.150342909	-0.44458830
## 137	-0.99378662	-0.497770060	-0.80595737
## 138	-0.98125855	-0.555191687	-0.62214798
## 139	-1.28382206	-1.171591061	-0.61435573
## 140	-0.86973069	-0.092785995	-0.53554262
## 141	-0.96164406	-0.398078900	-0.66378117
## 142	-0.95160061	-0.168786976	-0.55177939
## 143	-1.77353681	-1.383720382	-0.61591691
## 144	-1.23523202	-0.593616827	-0.58434367
## 145	-1.55345562	-0.562978180	-0.61127883

## 146	-1.73506022	-1.243781471	-0.37903041
## 147	-1.50567047	-0.643785592	-0.33935358
## 148	1.43177817	0.499911926	1.57085532
## 149	2.00324036	2.652771996	1.63592381
## 150	2.02913638	2.690050958	1.67212139
## 151	2.15651680	2.570773311	1.76392789
## 152	2.46621921	2.778287857	1.78447171
## 153	1.64314569	1.412269431	1.52458405
## 154	0.83267023	-0.313911872	1.51495279
## 155	1.01709189	-0.391100368	2.06618057
## 156	2.02143756	2.364912267	2.25513380
## 157	2.00009084	1.762736772	1.17708656
## 158	1.40483231	0.642188288	1.32890039
## 159	1.56580757	0.987845440	1.59001266
## 160	1.47132209	0.878789443	1.96991582
## 161	1.61095063	1.305543370	1.35803444
## 162	3.14476495	3.200983187	1.73131301
## 163	1.98679288	1.316666931	1.66526613
## 164	1.96754584	2.314179809	1.69323841
## 165	1.95494778	2.407076578	1.83637254
## 166	1.44192661	1.529668099	1.58570586
## 167	2.06973014	1.946801648	1.97146200
## 168	1.30894704	0.210924809	0.74417422
## 169	1.46957236	-0.031238128	2.15864045
## 170	0.94073362	-0.579539510	1.49772059
## 171	2.68224102	2.429331216	2.07512145
## 172	1.04477263	-0.246328721	1.56678416
## 173	2.01562845	1.275472175	1.58731280
## 174	0.98489683	-0.450994733	1.43157258
## 175	1.07073864	-0.164480354	2.25309321
## 176	1.38953966	0.872581293	1.59368654
## 177	0.96939422	-0.572602316	1.47137966
## 178	0.89950995	0.122988547	0.74412694
## 179	1.89591185	2.306588730	2.16734281
## 180	1.55383941	0.972956402	1.63891662
## 181	0.95242182	0.387308415	1.28816559
## 182	1.33879745	1.538589496	1.90588980
## 183	1.68342450	2.192579742	1.81468197
## 184	0.97506334	1.285648730	1.57600145
## 185	1.61035573	0.036487826	1.97186437
## 186	1.64367061	0.365888043	2.05359288
## 187	1.61151055	1.224371436	1.62987178
## 188	1.28158125	1.723263161	2.26411671
## 189	0.92806557	1.077585522	1.62979286
## 190	0.47366039	0.947748007	1.55407309
## 191	-0.14854400	-0.502621586	1.56664637
## 192	-0.02795253	-0.786806030	1.47126449
## 193	0.64523903	1.858730100	1.66769703
## 194	1.03696883	1.868681178	1.90925227
## 195	1.18706077	2.789907469	1.50533906
## 196	0.95473147	2.459312220	1.67199732
## 197	1.23010416	2.799152050	1.50534403
##	Tendency_cooc.H.ADC	Shade_cooc.H.ADC	Prominence_cooc.H.ADC
## 1	-0.7020362	0.468898166	-0.74536242
			-0.861666503

## 2	-0.6241406	-1.701317409	-0.65856794	0.391339942
## 3	-0.2874587	1.067184931	-0.06008993	0.325133876
## 4	-0.3859861	-0.054948613	-0.37044251	0.473153522
## 5	-0.6923536	-0.737864941	-0.72042827	0.412737340
## 6	-0.2260366	-0.590745568	-0.18983207	-0.063921164
## 7	-0.6449972	-0.733494664	-0.66905866	0.165030993
## 8	-0.6688172	-1.479899302	-0.60644307	0.375354827
## 9	-0.9478590	-0.227500762	-0.97951799	-0.582996863
## 10	-0.5204221	0.895255708	-0.45181763	0.153073624
## 11	-0.6251672	-1.398690854	-0.65714200	0.512927509
## 12	-0.4824372	0.255622420	-0.48417860	0.715321719
## 13	-0.5978274	1.330383871	-0.48623767	0.628095856
## 14	-0.4054936	0.490679289	-0.35669216	0.368558007
## 15	-0.1850657	1.539984152	-0.01515973	0.284730554
## 16	-0.7341558	-0.179241382	-0.69801581	0.720734002
## 17	-0.8558042	-1.430678440	-0.97630142	0.530297161
## 18	-0.7229479	0.120676254	-0.71955589	0.884990497
## 19	-0.5608984	0.516930435	-0.63431468	0.626837186
## 20	-0.3119940	0.179880125	-0.17141063	0.497319995
## 21	-0.4379423	0.771319348	-0.35237532	0.607327793
## 22	-0.3562765	0.513664076	-0.43337769	-1.836129175
## 23	-0.6335621	0.370857325	-0.60530215	0.658933282
## 24	-0.3724339	0.133767512	-0.33624067	0.544016669
## 25	-0.3376976	-1.362240848	-0.25994752	0.258801942
## 26	-0.7230116	-0.170193937	-0.70802571	0.897577202
## 27	-0.1466133	-2.221935122	-0.01080952	-0.040887495
## 28	-0.4251447	0.354356391	-0.38249203	0.211601800
## 29	-0.3885213	-0.312269914	-0.39418783	0.120474059
## 30	-0.6508948	0.310565405	-0.63967370	0.690274177
## 31	-0.5479610	0.713565169	-0.62293908	-2.028076420
## 32	-0.6833963	0.660310282	-0.58771077	0.793988623
## 33	-0.3161663	0.089384262	-0.20618613	0.459559881
## 34	-0.1954650	-1.633255496	-0.08638247	-0.573430967
## 35	-0.5056968	-1.922776513	-0.36611344	0.354586765
## 36	-0.3776006	-0.264522221	-0.41511047	0.467363638
## 37	-0.4638743	-0.488470776	-0.33938082	0.561638056
## 38	-0.3716033	-0.354808647	-0.27544365	-0.944738754
## 39	-0.6735171	0.683732791	-0.55300449	0.741753799
## 40	-0.8560662	0.172738776	-0.91084448	0.744397007
## 41	-0.2257883	-1.171027123	0.07580571	0.215126077
## 42	-0.7452505	0.686411270	-0.82595600	0.571707419
## 43	-0.2771523	0.226940140	-0.13758519	0.408709594
## 44	-0.5479635	0.713564920	-0.62293909	-2.041040726
## 45	-0.5379969	0.426516942	-0.61592874	-1.650978750
## 46	-0.6858201	0.884511755	-0.60035900	0.434512339
## 47	-0.6440895	-0.978014989	-0.59499604	0.115061776
## 48	-0.2868279	0.025752365	-0.18253472	0.700469408
## 49	-0.7749179	0.331735545	-0.85647061	-1.696920222
## 50	-0.2624068	0.224495362	-0.19989272	0.604306984
## 51	-0.2216496	0.134290716	-0.14504556	0.595622158
## 52	-0.2589124	-0.096409798	-0.18950268	0.598139499
## 53	-0.2284580	0.062016226	-0.07864740	0.556477507
## 54	-0.5408690	0.135460308	-0.47779966	0.538478519
## 55	-0.8737810	-0.139978513	-0.96428019	-1.707996522

## 56	-0.9354896	-0.958248118	-1.11934649	-1.186151748
## 57	-0.3144826	-1.408681770	-0.22548634	0.467363638
## 58	-0.5169573	0.643159008	-0.52427975	0.737474319
## 59	-0.7805241	0.743029275	-0.90851042	-2.445829147
## 60	-0.5926828	0.328403593	-0.53492332	0.983544394
## 61	-0.6695794	-0.719669952	-0.61885065	1.019542370
## 62	-0.5605848	0.424837027	-0.55956285	0.857551481
## 63	-0.1659079	-0.212959854	0.01768074	0.080322471
## 64	-0.6214614	0.157989226	-0.57560024	0.782912323
## 65	-0.2905688	0.458310135	-0.11780767	0.277681999
## 66	-0.2656313	0.119872696	-0.13885445	0.383536185
## 67	-0.4025996	-0.385710472	-0.36931966	0.853775470
## 68	-0.4090371	-0.353452937	-0.30628033	0.751319694
## 69	-0.8065777	0.552783468	-0.87687593	0.392346878
## 70	-0.7928827	-0.748342032	-0.89600071	-1.187158685
## 71	-0.9480212	-0.518159460	-1.07003337	1.059240836
## 72	-0.2121334	-0.261330555	0.02577698	0.676491735
## 73	-0.8215227	-0.532835432	-0.88699013	0.687467342
## 74	-0.6354491	0.321332161	-0.61918134	0.876192391
## 75	-0.9328110	-0.399570256	-1.04976192	1.069196919
## 76	-0.8744995	-1.465345315	-1.03303658	-0.355303376
## 77	-0.6361362	-0.162338741	-0.69849098	-0.436638661
## 78	-0.9705352	-0.502985160	-1.09952973	1.100940588
## 79	-0.8066063	0.552780637	-0.87687594	0.245082434
## 80	-0.2653379	-1.196987861	-0.14624406	0.411541603
## 81	-0.5966678	-0.395944121	-0.51951855	0.812050544
## 82	-0.7300888	0.406624332	-0.61971315	0.867771885
## 83	-0.3981564	-0.363640754	-0.26554348	0.526256829
## 84	-0.4469227	-0.069836892	-0.45637711	-0.129007014
## 85	-0.5049183	0.009030118	-0.51969069	0.580530699
## 86	-0.8945712	-1.279317986	-0.88581311	0.714679797
## 87	-0.7967075	-1.720981062	-0.71123320	0.647051433
## 88	-0.6259035	0.022297445	-0.57847910	0.648587011
## 89	-0.3775394	-1.742232967	-0.26896728	0.021932748
## 90	-0.6259512	0.022292719	-0.57847913	0.402768670
## 91	-0.5684452	0.050843236	-0.49020714	0.598819181
## 92	-0.8216061	-0.532843683	-0.88699017	0.258260714
## 93	-0.9706050	-0.502992056	-1.09952976	0.742219507
## 94	-0.4055390	0.490674798	-0.35669218	0.134936182
## 95	-0.3061614	-0.866195149	-0.11253446	0.243433576
## 96	-0.1851111	1.539979661	-0.01515975	0.051184250
## 97	-0.2217247	0.134283288	-0.14504560	0.209159979
## 98	-0.1851081	1.539979958	-0.01515975	0.066665896
## 99	-0.5605768	0.424837826	-0.55956285	0.899087606
## 100	-0.3982042	-0.363645480	-0.26554351	0.280438488
## 101	-0.5049661	0.009025392	-0.51969072	0.334712358
## 102	-0.8216110	-0.532844169	-0.88699018	0.232961438
## 103	-0.8215978	-0.532842858	-0.88699017	0.301181377
## 104	-0.4055360	0.490675096	-0.35669218	0.150417829
## 105	-0.8215907	-0.532842156	-0.88699017	0.337682820
## 106	-0.3061252	-0.866191568	-0.11253444	0.429716804
## 107	-0.5592920	1.004034544	-0.45738547	0.795461267
## 108	-0.5683728	0.050850398	-0.49020711	0.971385638
## 109	-0.7788243	-0.626237355	-0.87372086	0.975325276

## 110	-0.3501488	0.138446594	-0.37572350	0.746838827
## 111	-0.5584501	0.901916353	-0.54154105	0.857186467
## 112	-0.3777369	-0.129318556	-0.37022019	0.349401042
## 113	-0.8216010	-0.532843175	-0.88699017	0.284692794
## 114	-0.6259461	0.022293228	-0.57847912	0.429200750
## 115	-0.8745778	-1.465353058	-1.03303662	-0.758077924
## 116	-0.5049610	0.009025900	-0.51969072	0.361144438
## 117	-0.8558415	-1.430682125	-0.97630144	0.338601650
## 118	-0.6252045	-1.398694539	-0.65714202	0.321231997
## 119	-0.6858901	0.884504835	-0.60035904	0.074532587
## 120	-0.6260660	0.022281372	-0.57847918	-0.187547777
## 121	-0.5685599	0.050831888	-0.49020720	0.008502734
## 122	-0.8217208	-0.532855031	-0.88699023	-0.332055733
## 123	-0.9707197	-0.503003404	-1.09952982	0.151903060
## 124	-0.4056537	0.490663450	-0.35669224	-0.455380265
## 125	-0.3062761	-0.866206497	-0.11253452	-0.346882871
## 126	-0.1852258	1.539968313	-0.01515981	-0.539132197
## 127	-0.2218395	0.134271940	-0.14504566	-0.381156467
## 128	-0.1852228	1.539968611	-0.01515981	-0.523650550
## 129	-0.5606915	0.424826478	-0.55956290	0.308771160
## 130	-0.3983189	-0.363656828	-0.26554356	-0.309877959
## 131	-0.5050808	0.009014044	-0.51969078	-0.255604089
## 132	-0.8217257	-0.532855517	-0.88699023	-0.357355009
## 133	-0.8217125	-0.532854205	-0.88699023	-0.289135070
## 134	-0.4056507	0.490663748	-0.35669223	-0.439898618
## 135	-0.8217054	-0.532853504	-0.88699022	-0.252633627
## 136	-0.3062399	-0.866202916	-0.11253450	-0.160599642
## 137	-0.5594067	1.004023196	-0.45738553	0.205144821
## 138	-0.5684875	0.050839050	-0.49020716	0.381069191
## 139	-0.7789391	-0.626248703	-0.87372092	0.385008830
## 140	-0.3502636	0.138435246	-0.37572356	0.156522381
## 141	-0.5585649	0.901905005	-0.54154111	0.266870020
## 142	-0.3778516	-0.129329904	-0.37022024	-0.240915405
## 143	-0.8217157	-0.532854522	-0.88699023	-0.305623653
## 144	-0.6260608	0.022281880	-0.57847918	-0.161115697
## 145	-0.5050757	0.009014552	-0.51969077	-0.229172009
## 146	-0.8559562	-1.430693473	-0.97630149	-0.251714797
## 147	-0.6253192	-1.398705887	-0.65714208	-0.269084449
## 148	1.1928754	1.377413686	0.89334017	-4.538872258
## 149	2.2178976	1.162933320	2.20649595	0.063582154
## 150	2.2994120	0.982524028	2.31619028	0.046212501
## 151	2.2248866	0.521123000	2.22727603	0.051247183
## 152	2.2857953	0.837975049	2.44898660	-0.032076801
## 153	1.6609733	0.984863212	1.65068207	-0.068074777
## 154	0.9951492	0.433985570	0.67772102	-4.561024858
## 155	0.8717320	-1.202553640	0.36758842	-3.517335311
## 156	2.1137461	-2.103420944	2.15530873	-0.210304539
## 157	1.7087967	2.000260612	1.55772190	0.329916823
## 158	1.1816630	2.200001145	0.78926057	-6.036690108
## 159	1.5573457	1.370749782	1.53643476	0.822056974
## 160	1.4035525	-0.725397308	1.36858010	0.894052925
## 161	1.6215416	1.563616651	1.48715570	0.570071148
## 162	2.4108955	0.288022889	2.64164287	-0.984386873
## 163	1.4997884	1.029921048	1.45508091	0.420792831

## 164	2.1615736	1.630562865	2.37066605	-0.589667816
## 165	2.2114486	0.953687989	2.32857250	-0.377959444
## 166	1.9375120	-0.057478348	1.86764208	0.562519125
## 167	1.9246371	0.007036723	1.99372074	0.357607574
## 168	1.1295559	1.819509532	0.85252954	-0.360338058
## 169	1.1569459	-0.782741467	0.81427998	-3.519349184
## 170	0.8466689	-0.322376323	0.46621465	0.973449857
## 171	2.3184445	0.191281487	2.65783536	0.207951656
## 172	1.0996659	-0.351728268	0.83230113	0.229902869
## 173	1.4718131	1.356606918	1.36791872	0.607352967
## 174	0.8770892	-0.085197916	0.50675756	0.993362024
## 175	0.9937123	-2.216748034	0.54020823	-1.855638567
## 176	1.4704389	0.389265113	1.20929943	-2.018309138
## 177	0.8016408	-0.292027724	0.40722194	1.056849362
## 178	1.1294986	1.819503870	0.85252951	-0.654866946
## 179	2.2120354	-1.680033126	2.31379327	-0.321948609
## 180	1.5493758	-0.077945646	1.56724429	0.479069273
## 181	1.2825336	1.527191260	1.36685509	0.590511956
## 182	1.9463985	-0.013338913	2.07519443	-0.092518157
## 183	1.8488659	0.574268812	1.69352717	-1.403045842
## 184	1.7328746	0.732002831	1.56690001	0.016029584
## 185	0.9535689	-1.844693376	0.83465517	0.284327779
## 186	1.1492963	-2.728019527	1.18381500	0.149071051
## 187	1.4909043	0.758537486	1.44932319	0.152142207
## 188	1.9876325	-2.770523338	2.06834683	-1.101166319
## 189	1.4908088	0.758528035	1.44932314	-0.339494475
## 190	1.6058208	0.815629067	1.62586711	0.052606547
## 191	1.0994991	-0.351744769	0.83230105	-0.628510387
## 192	0.8015013	-0.292041515	0.40722187	0.339407199
## 193	1.9316333	1.695292192	1.89289704	-0.875159450
## 194	2.1303885	-1.018447702	2.38121247	-0.658164663
## 195	2.3724891	3.793901918	2.57596189	-1.042663315
## 196	2.2992618	0.982509172	2.31619020	-0.726711856
## 197	2.3724951	3.793902513	2.57596189	-1.011700022
##	IC2_d.H.ADC	Coarseness_vdif.H.ADC	Contrast_vdif.H.ADC	Busyness_vdif.H.ADC
## 1	0.115710655	0.432890709	-0.395016240	-0.653620763
## 2	-0.431917344	0.039522006	-0.454896545	-0.559779190
## 3	-0.377494685	-0.040985354	-0.812309622	-0.477957220
## 4	-0.504883206	-0.118627683	-0.905701344	-0.221424079
## 5	-0.450268532	-0.003453453	-0.420502343	-0.525345983
## 6	-0.138078878	0.024050841	-0.859555790	-0.548564178
## 7	-0.265001076	0.119169857	-0.259124750	-0.597496442
## 8	-0.418640848	-0.002593943	-0.531595614	-0.525969951
## 9	0.048669840	0.301099301	-0.043805584	-0.642044506
## 10	-0.257731920	0.033218939	-0.615976055	-0.554048532
## 11	-0.544383522	-0.037833820	-0.493784922	-0.482883287
## 12	-0.786295530	-0.115762652	-0.510855911	-0.240602899
## 13	-0.674076228	-0.138969400	-0.669516362	-0.020851057
## 14	-0.412112324	-0.056743022	-0.764020163	-0.450338405
## 15	-0.347732294	-0.159597621	-1.041535510	0.477469864
## 16	-0.793592116	-0.093701917	-0.302828315	-0.351242360
## 17	-0.562707280	0.020039798	-0.152216107	-0.545624958
## 18	-1.069957177	-0.155873081	-0.204632870	0.336173847
## 19	-0.672128643	-0.121779217	-0.566803812	-0.199256778

## 20	-0.532670581	-0.159597621	-0.807987417	0.528388975
## 21	-0.647687822	-0.142407437	-0.711993201	0.030265096
## 22	0.241782498	1.448257556	-0.922153237	-0.687939029
## 23	-0.711903267	-0.082241794	-0.389364126	-0.391389805
## 24	-0.576367806	-0.129514799	-0.824737394	-0.131359157
## 25	-0.328036997	0.019466792	-0.755903132	-0.546675852
## 26	-1.095577521	-0.161316639	-0.237582515	0.551130984
## 27	-0.149599804	0.079918938	-0.953039230	-0.582356996
## 28	-0.295668683	0.064161270	-0.791604313	-0.573999103
## 29	-0.237405716	0.101979674	-0.790824711	-0.591256757
## 30	-0.752555676	-0.093415414	-0.348171338	-0.354805549
## 31	0.253577731	1.488940990	-0.596657979	-0.689991557
## 32	-0.905893710	-0.146131977	-0.428344221	0.094024821
## 33	-0.492127895	-0.160457130	-0.918599169	0.504858796
## 34	0.048203517	0.312272920	-0.961809751	-0.641404118
## 35	-0.400728552	0.011731210	-0.454850686	-0.539713678
## 36	-0.499424482	-0.105735045	-0.830997138	-0.297597492
## 37	-0.598120411	-0.144126455	-0.625124913	0.096602796
## 38	0.132278843	0.448648377	-0.611504809	-0.655837493
## 39	-0.823656246	-0.160170627	-0.263206195	0.496221759
## 40	-0.829937893	-0.079090261	-0.265545001	-0.398335559
## 41	-0.296848206	-0.164754676	-0.927266508	0.739126115
## 42	-0.609175014	-0.024081673	-0.339618646	-0.503441406
## 43	-0.450295963	-0.156159584	-0.935601370	0.402248824
## 44	0.250752361	1.459431175	-0.597838846	-0.691682840
## 45	0.274013659	1.726165524	-0.624586070	-0.665738888
## 46	-0.299728437	0.405099912	-0.522240391	-0.524607073
## 47	-0.105710564	0.470709113	-0.192239493	-0.562718410
## 48	-0.527294149	0.300526295	-0.622017970	-0.366381806
## 49	0.279636968	1.515585775	-0.310486758	-0.662290641
## 50	-0.433947221	0.245804210	-0.941608890	-0.022000473
## 51	-0.426019727	0.245231204	-0.949897893	-0.016417597
## 52	-0.427967312	0.232625069	-0.894844241	0.209426147
## 53	-0.391429519	0.218013413	-0.969170110	0.779010836
## 54	-0.377220378	0.397364329	-0.535012105	-0.520157192
## 55	0.278814045	1.320190688	-0.059088074	-0.659137958
## 56	0.227902526	1.001312781	0.054791127	-0.647101935
## 57	-0.320136934	0.328603595	-0.821034284	-0.434082384
## 58	-0.569016359	0.259556357	-0.685853608	-0.163099448
## 59	0.318808115	1.937604783	-0.412683395	-0.669006512
## 60	-0.904000987	0.205980285	-0.402617359	2.328505160
## 61	-0.970740063	0.216007892	-0.328520784	0.991537779
## 62	-0.714015437	0.273308504	-0.516886361	-0.254248104
## 63	-0.089965299	0.289639178	-1.212428833	-0.328566033
## 64	-0.619708431	0.241793167	-0.493131432	0.026077939
## 65	-0.193873075	0.433177212	-0.783521675	-0.544163558
## 66	-0.260749306	0.379887643	-0.793931654	-0.503589188
## 67	-0.708227543	0.263853903	-0.473801891	-0.195414446
## 68	-0.581689377	0.226322002	-0.719032548	0.385171792
## 69	-0.270404939	0.458962487	-0.228410728	-0.556462305
## 70	0.229493511	1.048012780	-0.101862996	-0.649515708
## 71	-0.953554682	0.398395740	0.127800845	-0.364432725
## 72	-0.450776002	0.302589117	-0.801621051	2.586527615
## 73	-0.463034815	0.489618315	0.002577290	-0.509787822

## 74	-0.672540105	0.336396478	-0.454995142	0.080317219
## 75	-0.972021080	0.392637029	0.078879679	-0.345005960
## 76	0.091250632	0.861986343	-0.110626639	-0.621036473
## 77	0.111722220	0.864364318	-0.369441858	-0.623379639
## 78	-1.034464497	0.383984636	0.096043532	-0.315567784
## 79	-0.302498946	0.123753906	-0.241824467	-0.575673966
## 80	-0.417927648	-0.043220077	-0.834101788	-0.292802787
## 81	-0.883441620	-0.115791303	-0.503692745	2.872925858
## 82	-0.978925406	-0.083731610	-0.249330428	0.110070663
## 83	-0.523459327	-0.013079955	-0.599864665	-0.403478373
## 84	-0.090267037	0.222769364	-0.814219647	-0.607054653
## 85	-0.580057246	0.019037038	-0.415194172	-0.471901442
## 86	-0.741882361	-0.064020200	-0.206038447	-0.155552713
## 87	-0.655812818	-0.065223513	-0.259477864	-0.145551155
## 88	-0.657381858	-0.083445107	-0.512544666	0.097560095
## 89	-0.161285314	0.165526053	-0.547232365	-0.589465311
## 90	-0.710954162	-0.642985585	-0.534935291	0.065491400
## 91	-0.991543563	-0.662582394	-0.474694994	0.785537874
## 92	-0.556573759	-0.487357122	-0.036517453	-0.565780781
## 93	-1.112642207	-0.432549087	0.063369041	-0.362365419
## 94	-0.463032072	-0.588578653	-0.785298709	-0.480819265
## 95	-0.540861411	-0.603247610	-0.753620503	-0.321007804
## 96	-0.398652042	-0.691433252	-1.062818642	0.446997215
## 97	-0.510243179	-0.634247241	-0.985092333	-0.066824397
## 98	-0.395278057	-0.656193376	-1.061408480	0.449016902
## 99	-0.704963281	0.367854514	-0.513102999	-0.248829431
## 100	-0.577031631	-0.572620433	-0.622255290	-0.435547068
## 101	-0.633629550	-0.540503440	-0.437584797	-0.503970137
## 102	-0.562087345	-0.544944237	-0.038821864	-0.569081246
## 103	-0.547219864	-0.389659578	-0.032607978	-0.560181485
## 104	-0.459658087	-0.553338777	-0.783888547	-0.478799577
## 105	-0.539264940	-0.306573691	-0.029283206	-0.555419621
## 106	-0.500263863	-0.179223080	-0.736652697	-0.296705874
## 107	-0.655176424	0.265916725	-0.489783730	-0.357738201
## 108	-0.910348468	0.185466666	-0.440759382	0.834141734
## 109	-0.916624629	0.260960222	0.054902335	-0.344283470
## 110	-0.595840914	0.205407279	-0.729255651	0.115224971
## 111	-0.735060328	0.193259549	-0.574748872	0.438798597
## 112	-0.250278979	0.392035372	-0.775256749	-0.540421389
## 113	-0.550813296	-0.427191479	-0.034109859	-0.562332535
## 114	-0.705193699	-0.582819942	-0.532527697	0.068939647
## 115	0.003472151	-0.054823451	-0.147313787	-0.673581186
## 116	-0.627869087	-0.480337797	-0.435177203	-0.500521890
## 117	-0.604484351	-0.416304363	-0.169676897	-0.570632957
## 118	-0.586160593	-0.474177981	-0.511245712	-0.507891286
## 119	-0.378180455	-0.414298842	-0.555029530	-0.571568910
## 120	-0.839604498	-1.986684939	-0.588704893	-0.011519445
## 121	-1.120193899	-2.006281748	-0.528464595	0.708527029
## 122	-0.685224095	-1.831056476	-0.090287054	-0.642791626
## 123	-1.241292543	-1.776248441	0.009599439	-0.439376264
## 124	-0.591682408	-1.932278008	-0.839068311	-0.557830110
## 125	-0.669511747	-1.946946964	-0.807390105	-0.398018649
## 126	-0.527302379	-2.035132607	-1.116588244	0.369986370
## 127	-0.638893516	-1.977946596	-1.038861934	-0.143835242

## 128	-0.523928393	-1.999892730	-1.115178081	0.372006057
## 129	-0.833613617	-0.975844840	-0.566872600	-0.325840276
## 130	-0.705681967	-1.916319787	-0.676024892	-0.512557913
## 131	-0.762279886	-1.884202794	-0.491354399	-0.580980982
## 132	-0.690737681	-1.888643592	-0.092591466	-0.646092091
## 133	-0.675870201	-1.733358933	-0.086377580	-0.637192330
## 134	-0.588308423	-1.897038131	-0.837658149	-0.555810422
## 135	-0.667915276	-1.650273045	-0.083052807	-0.632430466
## 136	-0.628914199	-1.522922435	-0.790422299	-0.373716719
## 137	-0.783826760	-1.077782629	-0.543553332	-0.434749045
## 138	-1.038998804	-1.158232689	-0.494528983	0.757130889
## 139	-1.045274966	-1.082739132	0.001132733	-0.421294315
## 140	-0.724491250	-1.138292076	-0.783025252	0.038214126
## 141	-0.863710664	-1.150439806	-0.628518474	0.361787753
## 142	-0.378929315	-0.951663982	-0.829026350	-0.617432234
## 143	-0.679463632	-1.770890834	-0.087879460	-0.639343380
## 144	-0.833844036	-1.926519296	-0.586297299	-0.008071198
## 145	-0.756519423	-1.824037151	-0.488946804	-0.577532735
## 146	-0.733134687	-1.760003717	-0.223446498	-0.647643802
## 147	-0.714810929	-1.817877336	-0.565015313	-0.584902131
## 148	2.985490936	3.291904751	1.903697287	-0.612077600
## 149	1.558322559	0.752341621	0.641453022	0.668502736
## 150	1.574177547	0.751195609	0.624875017	0.679668488
## 151	1.570282377	0.725983340	0.734982320	1.131355977
## 152	1.643357962	0.696760028	0.586330581	2.270525354
## 153	1.671776245	1.055461860	1.454646592	-0.327810702
## 154	2.983845090	2.901114576	2.406494654	-0.605772234
## 155	2.882022052	2.263358763	2.634253056	-0.581700187
## 156	1.785943132	0.917940390	0.882602233	-0.155661087
## 157	1.288184284	0.779845915	1.152963586	0.386304787
## 158	3.063833231	4.135942768	1.699304012	-0.625509342
## 159	0.618215027	0.672693770	1.719436085	5.369514003
## 160	0.484736875	0.692748985	1.867629234	2.695579241
## 161	0.998186127	0.807350209	1.490898081	0.204007474
## 162	2.246286403	0.840011558	0.099813137	0.055371617
## 163	1.186800138	0.744319536	1.538407937	0.764659561
## 164	2.038470850	1.127087625	0.957627451	-0.375823434
## 165	1.904718389	1.020508486	0.936807495	-0.294674693
## 166	1.009761914	0.788441007	1.577067020	0.321674790
## 167	1.262838247	0.713377205	1.086605707	1.482847266
## 168	1.885407124	1.178658176	2.067849346	-0.400420928
## 169	2.885204022	2.356758761	2.320944810	-0.586527733
## 170	0.519107636	1.057524682	2.780272492	-0.016361768
## 171	1.524664997	0.865911435	0.921428701	5.885558913
## 172	1.500147371	1.239969831	2.529825381	-0.307071961
## 173	1.081136792	0.933526157	1.614680519	0.873138121
## 174	0.482174840	1.046007259	2.682430160	0.022491763
## 175	2.608718265	1.984705886	2.303417525	-0.529569264
## 176	2.649661440	1.989461837	1.785787085	-0.534255596
## 177	0.357288007	1.028702474	2.716757866	0.081368114
## 178	1.821219109	0.508241014	2.041021869	-0.438844249
## 179	1.590361704	0.174293046	0.856467226	0.126898107
## 180	0.659333760	0.029150596	1.517285312	6.458355397
## 181	0.468366188	0.093269981	2.026009946	0.932645008

## 182	1.379298347	0.234573290	1.324941472	-0.094453064
## 183	2.245682926	0.706271929	0.896231509	-0.501605625
## 184	1.266102509	0.298807276	1.694282459	-0.231299201
## 185	0.942452278	0.132692802	2.112593909	0.401398256
## 186	1.114591365	0.130286176	2.005715074	0.421401371
## 187	1.111453284	0.093842987	1.499581470	0.907623873
## 188	2.103646372	0.591785306	1.430206073	-0.466426939
## 189	1.004308676	-1.025237968	1.454800220	0.843486483
## 190	0.443129875	-1.064431587	1.575280814	2.283579431
## 191	1.313069483	-0.713981043	2.451635897	-0.419057881
## 192	0.200932587	-0.604364972	2.651408883	-0.012227156
## 193	1.500152857	-0.916424106	0.954073384	-0.249134847
## 194	1.344494179	-0.945762019	1.017429796	0.070488074
## 195	1.628912916	-1.122133303	0.399033518	1.606498112
## 196	1.405730642	-1.007761281	0.554486137	0.578854888
## 197	1.635660887	-1.051653550	0.401853842	1.610537487
##	Complexity_vdif.H.ADC	Strength_vdif.H.ADC	SRE_align.H.ADC	LRE_align.H.ADC
## 1	-0.386268034	0.67494162	-0.5481444	-0.6114778
## 2	-0.464529998	-0.10739817	-0.5503490	-0.6055486
## 3	-0.808017986	-0.26874084	-0.5658265	-0.5257023
## 4	-0.911935688	-0.42376822	-0.5698948	-0.5249950
## 5	-0.439562064	-0.19354873	-0.5570991	-0.5768597
## 6	-0.877501109	-0.14088914	-0.5622128	-0.5591346
## 7	-0.249385378	0.04849720	-0.5484626	-0.6116026
## 8	-0.528296580	-0.19199503	-0.5585082	-0.5694950
## 9	-0.025400597	0.43802101	-0.5464398	-0.6207980
## 10	-0.623621341	-0.12363458	-0.5668947	-0.5300088
## 11	-0.508118286	-0.26259989	-0.5540081	-0.5865960
## 12	-0.486137327	-0.41798264	-0.5608946	-0.5581984
## 13	-0.678457408	-0.46414967	-0.5658265	-0.5296759
## 14	-0.797432157	-0.30128041	-0.5594628	-0.5662912
## 15	-1.068619680	-0.50530066	-0.5734630	-0.5032546
## 16	-0.300048932	-0.37364251	-0.5582582	-0.5768181
## 17	-0.112608110	-0.14704927	-0.5448943	-0.6221919
## 18	-0.186832599	-0.49771446	-0.5611219	-0.5636283
## 19	-0.528754646	-0.42986246	-0.5675765	-0.5330254
## 20	-0.901109660	-0.50469420	-0.5823268	-0.4585049
## 21	-0.709590520	-0.47086455	-0.5673720	-0.5239131
## 22	-0.890870942	2.80502066	-0.5451670	-0.6281835
## 23	-0.378437201	-0.35111874	-0.5582355	-0.5763812
## 24	-0.830682246	-0.44543318	-0.5669174	-0.5372070
## 25	-0.802707566	-0.14617587	-0.5591900	-0.5711802
## 26	-0.221479515	-0.50865622	-0.5604628	-0.5651262
## 27	-0.989185521	-0.02727260	-0.5643719	-0.5514162
## 28	-0.790187189	-0.06164073	-0.5618264	-0.5643564
## 29	-0.797996323	0.01870006	-0.5567354	-0.5786280
## 30	-0.325011712	-0.37288130	-0.5586446	-0.5716587
## 31	-0.597323288	3.05817018	-0.5341214	-0.6686476
## 32	-0.419856104	-0.47823135	-0.5651674	-0.5452582
## 33	-0.934047702	-0.50661286	-0.5794631	-0.4799748
## 34	-1.007599178	0.44054863	-0.5606673	-0.5697863
## 35	-0.490805005	-0.16338621	-0.5532126	-0.5959995
## 36	-0.832248932	-0.39807867	-0.5667129	-0.5373942
## 37	-0.702721253	-0.47307475	-0.5730312	-0.5084765

## 38	-0.546154171	0.71987862	-0.5528035	-0.5948761
## 39	-0.266486466	-0.50619826	-0.5673265	-0.5299463
## 40	-0.254037046	-0.34502493	-0.5551218	-0.5847653
## 41	-0.997172605	-0.51559842	-0.5853269	-0.4498712
## 42	-0.301380352	-0.23427636	-0.5516217	-0.5990161
## 43	-1.026586393	-0.49804105	-0.5866678	-0.4411335
## 44	-0.597323418	3.05812721	-0.5364623	-0.6707904
## 45	-0.644944746	2.70560593	-0.5038481	-0.6403539
## 46	-0.552772402	-0.14278777	-0.5283486	-0.5434274
## 47	-0.199345679	-0.01576192	-0.5288940	-0.5360836
## 48	-0.666236439	-0.35131311	-0.5298940	-0.5383304
## 49	-0.310978439	2.15129212	-0.5084164	-0.6236690
## 50	-0.972048227	-0.46040454	-0.5425306	-0.4841564
## 51	-0.981056478	-0.46112070	-0.5433488	-0.4847181
## 52	-0.918646488	-0.48640024	-0.5458034	-0.4586505
## 53	-1.002485396	-0.51558299	-0.5517808	-0.4431723
## 54	-0.570666062	-0.15662879	-0.5244621	-0.5631498
## 55	0.068117559	1.89448881	-0.5049390	-0.6364220
## 56	0.019601173	1.13770260	-0.5103482	-0.6119979
## 57	-0.875220716	-0.29547439	-0.5385306	-0.5022976
## 58	-0.686587127	-0.43258278	-0.5395760	-0.4915627
## 59	-0.439964462	3.23307441	-0.5019390	-0.6473857
## 60	-0.395206285	-0.53924293	-0.5449852	-0.4465009
## 61	-0.426931621	-0.51889309	-0.5375305	-0.5016319
## 62	-0.514290199	-0.40544298	-0.5301440	-0.5351890
## 63	-1.250740316	-0.37285628	-0.5530990	-0.4394067
## 64	-0.508153077	-0.46770752	-0.5422579	-0.4791426
## 65	-0.842948148	-0.08595052	-0.5286213	-0.5470057
## 66	-0.844437971	-0.19176688	-0.5290758	-0.5417839
## 67	-0.503075781	-0.42412234	-0.5292577	-0.5411598
## 68	-0.746832927	-0.49867838	-0.5407806	-0.4916251
## 69	-0.207283926	-0.04028568	-0.5195529	-0.5776711
## 70	-0.057136961	1.17325905	-0.5083255	-0.6240019
## 71	0.161687756	-0.34929706	-0.5099119	-0.5804172
## 72	-0.845424165	-0.54079275	-0.5513012	-0.3805497
## 73	0.030906266	-0.16593840	-0.5117528	-0.5700879
## 74	-0.471041585	-0.47335855	-0.5331259	-0.4808715
## 75	0.101820421	-0.36147052	-0.5110801	-0.5768805
## 76	-0.130673576	0.56848138	-0.5017753	-0.6126179
## 77	-0.360935417	0.61049781	-0.5040413	-0.6015979
## 78	0.138556727	-0.37850768	-0.5108437	-0.5783888
## 79	-0.207285402	-0.04077368	-0.5461443	-0.6020119
## 80	-0.852484026	-0.39874432	-0.5655197	-0.5217558
## 81	-0.520763245	-0.54322669	-0.5668379	-0.4793236
## 82	-0.232715928	-0.47940344	-0.5613719	-0.5359879
## 83	-0.634942805	-0.33859997	-0.5551536	-0.5470640
## 84	-0.843284418	0.13017825	-0.5607082	-0.5373713
## 85	-0.445915472	-0.27386691	-0.5503921	-0.5792647
## 86	-0.168488561	-0.44001861	-0.5590900	-0.5377084
## 87	-0.229862716	-0.44240675	-0.5618583	-0.5253486
## 88	-0.518721035	-0.47871602	-0.5700152	-0.4845039
## 89	-0.608739129	0.01980629	-0.5536967	-0.5690269
## 90	-0.518723500	-0.47953061	-0.6144024	-0.5251344
## 91	-0.461351256	-0.51869576	-0.6071136	-0.5670547

## 92	0.030901962	-0.16736070	-0.5892542	-0.6410301
## 93	0.138553130	-0.37969641	-0.5756176	-0.6376806
## 94	-0.797434500	-0.30205463	-0.6016385	-0.6049058
## 95	-0.760485391	-0.40061355	-0.6113205	-0.5473220
## 96	-1.068622022	-0.50607484	-0.6156433	-0.5418630
## 97	-0.981060353	-0.46240102	-0.6131274	-0.5485806
## 98	-1.068621867	-0.50602354	-0.6128478	-0.5393041
## 99	-0.514289783	-0.40530533	-0.5226439	-0.5283236
## 100	-0.634945269	-0.33941457	-0.5995408	-0.5876945
## 101	-0.445917937	-0.27468150	-0.5947793	-0.6198951
## 102	0.030901708	-0.16744454	-0.5938225	-0.6452117
## 103	0.030902393	-0.16721847	-0.5815041	-0.6339359
## 104	-0.797434344	-0.30200333	-0.5988430	-0.6023468
## 105	0.030902759	-0.16709751	-0.5749130	-0.6279027
## 106	-0.760483523	-0.39999625	-0.5776835	-0.5165318
## 107	-0.505434861	-0.35771984	-0.5291804	-0.5495376
## 108	-0.461347521	-0.51746114	-0.5398397	-0.5054744
## 109	0.057175195	-0.36693685	-0.5218598	-0.5837438
## 110	-0.739414087	-0.47778693	-0.5422170	-0.4988358
## 111	-0.578798651	-0.50196258	-0.5393965	-0.5056180
## 112	-0.790742677	-0.10840775	-0.5334759	-0.5324824
## 113	0.030902227	-0.16727311	-0.5844814	-0.6366612
## 114	-0.518723235	-0.47944302	-0.6096296	-0.5207655
## 115	-0.130677615	0.56714666	-0.5745039	-0.6791911
## 116	-0.445917672	-0.27459391	-0.5900065	-0.6155263
## 117	-0.112610032	-0.14768451	-0.5795086	-0.6538766
## 118	-0.508120208	-0.26323514	-0.5886224	-0.6182807
## 119	-0.552776011	-0.14398067	-0.5933497	-0.6029273
## 120	-0.518729419	-0.48148681	-0.7209952	-0.6227058
## 121	-0.461357175	-0.52065195	-0.7137065	-0.6646261
## 122	0.030896043	-0.16931690	-0.6958471	-0.7386015
## 123	0.138547211	-0.38165260	-0.6822104	-0.7352520
## 124	-0.797440419	-0.30401082	-0.7082314	-0.7024772
## 125	-0.760491310	-0.40256975	-0.7179134	-0.6448934
## 126	-1.068627941	-0.50803103	-0.7222362	-0.6394344
## 127	-0.981066272	-0.46435722	-0.7197202	-0.6461521
## 128	-1.068627786	-0.50797973	-0.7194407	-0.6368755
## 129	-0.514295702	-0.40726153	-0.6292368	-0.6258951
## 130	-0.634951188	-0.34137076	-0.7061336	-0.6852659
## 131	-0.445923856	-0.27663770	-0.7013722	-0.7174666
## 132	0.030895789	-0.16940073	-0.7004153	-0.7427831
## 133	0.030896473	-0.16917467	-0.6880969	-0.7315073
## 134	-0.797440264	-0.30395952	-0.7054359	-0.6999183
## 135	0.030896839	-0.16905371	-0.6815059	-0.7254741
## 136	-0.760489442	-0.40195244	-0.6842764	-0.6141033
## 137	-0.505440780	-0.35967603	-0.6357732	-0.6471090
## 138	-0.461353440	-0.51941734	-0.6464325	-0.6030459
## 139	0.057169276	-0.36889304	-0.6284526	-0.6813152
## 140	-0.739420006	-0.47974313	-0.6488098	-0.5964073
## 141	-0.578804570	-0.50391877	-0.6459893	-0.6031894
## 142	-0.790748596	-0.11036395	-0.6400688	-0.6300538
## 143	0.030896308	-0.16922931	-0.6910742	-0.7342326
## 144	-0.518729154	-0.48139922	-0.7162224	-0.6183369
## 145	-0.445923591	-0.27655011	-0.6965993	-0.7130977

## 146	-0.112615951	-0.14964071	-0.6861014	-0.7514481
## 147	-0.508126127	-0.26519133	-0.6952152	-0.7158522
## 148	1.885432075	4.86479139	1.7863526	1.5415846
## 149	0.563292498	-0.35860192	1.7181241	1.8206098
## 150	0.545275996	-0.36003423	1.7164877	1.8194864
## 151	0.670095977	-0.41059332	1.7115785	1.8716216
## 152	0.502418161	-0.46895882	1.6996237	1.9025781
## 153	1.366056830	0.24894959	1.7542611	1.6626232
## 154	2.643624070	4.35118478	1.7933073	1.5160788
## 155	2.546591299	2.83761236	1.7824889	1.5649269
## 156	0.756947521	-0.02874162	1.7261242	1.7843274
## 157	1.134214699	-0.30295840	1.7240333	1.8057973
## 158	1.627460029	7.02835598	1.7993074	1.4941512
## 159	1.716976382	-0.51627871	1.7132149	1.8959208
## 160	1.653525710	-0.47557902	1.7281243	1.7856589
## 161	1.478808555	-0.24867880	1.7428973	1.7185447
## 162	0.005908321	-0.18350540	1.6969873	1.9101092
## 163	1.491082798	-0.37320789	1.7186695	1.8306374
## 164	0.821492656	0.39030613	1.7459428	1.6949112
## 165	0.818513011	0.17867340	1.7450337	1.7053549
## 166	1.501237390	-0.28603752	1.7446700	1.7066031
## 167	1.013723098	-0.43514961	1.7216241	1.8056724
## 168	2.092821102	0.48163581	1.7640795	1.6335806
## 169	2.393115032	2.90872525	1.7865344	1.5409189
## 170	2.830764465	-0.13638697	1.7833616	1.6280883
## 171	0.816540623	-0.51937834	1.7005828	2.0278233
## 172	2.569201484	0.23033037	1.7796797	1.6487468
## 173	1.565305782	-0.38450994	1.7369335	1.8271798
## 174	2.711029794	-0.16073387	1.7810252	1.6351617
## 175	2.246041800	1.69916991	1.7996346	1.5636870
## 176	1.785518119	1.78320278	1.7951027	1.5857269
## 177	2.784502406	-0.19480820	1.7814980	1.6321451
## 178	2.092818148	0.48065979	1.7108967	1.5848989
## 179	0.802420901	-0.23528149	1.6721460	1.7454112
## 180	1.465862462	-0.52424622	1.6695096	1.8302754
## 181	2.041957097	-0.39659972	1.6804416	1.7169469
## 182	1.237503344	-0.11499279	1.6928782	1.6947947
## 183	0.820820116	0.82256365	1.6817689	1.7141800
## 184	1.615558008	0.01447334	1.7024011	1.6303934
## 185	2.170411830	-0.31783007	1.6850053	1.7135059
## 186	2.047663520	-0.32260635	1.6794688	1.7382254
## 187	1.469946882	-0.39522488	1.6631549	1.8199150
## 188	1.289910695	0.60181973	1.6957918	1.6508688
## 189	1.469941952	-0.39685407	1.5743806	1.7386540
## 190	1.584686440	-0.47518436	1.5889581	1.6548133
## 191	2.569192877	0.22748575	1.6246769	1.5068625
## 192	2.784495213	-0.19718566	1.6519501	1.5135615
## 193	0.912519953	-0.04190210	1.5999083	1.5791112
## 194	0.986418172	-0.23901995	1.5805443	1.6942787
## 195	0.370144909	-0.44994252	1.5718987	1.7051968
## 196	0.545268247	-0.36259489	1.5769306	1.6917614
## 197	0.370145219	-0.44983992	1.5774897	1.7103146
##	GLNU_align.H.ADC	RLNU_align.H.ADC	RP_align.H.ADC	LGRE_align.H.ADC
## 1	-0.663331796	-0.66739242	-0.5430933	-0.0539843103

## 2	-0.575617097	-0.57686908	-0.5458591	-0.0648949468
## 3	-0.459551113	-0.46142016	-0.5695632	-0.0465027310
## 4	-0.147026948	-0.14571249	-0.5725348	-0.0895218121
## 5	-0.547115194	-0.54883484	-0.5553682	-0.0801698379
## 6	-0.530540623	-0.53230099	-0.5613571	-0.0811050353
## 7	-0.619563751	-0.62194056	-0.5436876	-0.0814167678
## 8	-0.539172646	-0.54059829	-0.5574483	-0.0630245520
## 9	-0.659260252	-0.66410237	-0.5406017	-0.0982503213
## 10	-0.561197957	-0.56436639	-0.5696546	-0.0583485649
## 11	-0.502197214	-0.50139065	-0.5518252	-0.0864044874
## 12	-0.273834705	-0.26976381	-0.5614028	-0.0754938509
## 13	-0.014332834	-0.01021336	-0.5688775	-0.0664536092
## 14	-0.434619218	-0.43397597	-0.5587512	-0.0614658896
## 15	0.786044684	0.79143598	-0.5785008	-0.0602189597
## 16	-0.407397753	-0.40552949	-0.5562825	-0.0605306922
## 17	-0.581545744	-0.58213637	-0.5395502	-0.0879631497
## 18	0.140215494	0.15317443	-0.5604885	-0.0446323362
## 19	-0.222817103	-0.22161077	-0.5697689	-0.0608424247
## 20	0.584942173	0.55016274	-0.5916444	-0.4545605362
## 21	0.054226666	0.05983502	-0.5708661	-0.1023028434
## 22	-0.688223704	-0.69352838	-0.5385673	-0.2625333338
## 23	-0.427952868	-0.42838491	-0.5563968	-0.0845340925
## 24	-0.072360676	-0.06847577	-0.5684660	-0.0489965908
## 25	-0.538005262	-0.54021970	-0.5578598	-0.0574133675
## 26	0.329922745	0.34855551	-0.5597799	-0.0443206037
## 27	-0.560451650	-0.56400762	-0.5645344	-0.0686357365
## 28	-0.565627447	-0.56853618	-0.5607170	-0.0555429727
## 29	-0.585385121	-0.58780123	-0.5548653	-0.0627128195
## 30	-0.401890304	-0.40117046	-0.5573569	-0.0689474690
## 31	-0.691575116	-0.69810254	-0.5240523	-0.1945756550
## 32	0.009853482	0.01612844	-0.5663859	-0.0820402328
## 33	0.701309394	0.69709144	-0.5862726	-0.1001207161
## 34	-0.630374350	-0.63473844	-0.5588198	-0.0845340925
## 35	-0.556917388	-0.55807011	-0.5496079	-0.0630245520
## 36	-0.255490155	-0.25380859	-0.5684889	-0.0789229080
## 37	0.050998851	0.03329512	-0.5774265	-0.4299336710
## 38	-0.659439346	-0.66409820	-0.5491964	-0.0820402328
## 39	0.290721117	0.29930353	-0.5701575	-0.0705061313
## 40	-0.451695689	-0.45035793	-0.5527852	-0.0945095316
## 41	0.978054470	0.96181632	-0.5952331	-0.1185129319
## 42	-0.532896959	-0.53356576	-0.5480078	-0.0814167678
## 43	0.540594434	0.50087910	-0.5973132	-0.4536253388
## 44	-0.691587597	-0.69810276	-0.5264067	-0.2266840995
## 45	-0.688770317	-0.69547548	-0.4936050	0.1894787499
## 46	-0.558711480	-0.56117583	-0.5270239	0.2882979434
## 47	-0.611337053	-0.61477858	-0.5281439	0.3247706426
## 48	-0.390677652	-0.38909047	-0.5288983	0.3593729469
## 49	-0.689772542	-0.69545977	-0.4997310	0.1916608772
## 50	0.085633094	0.08619616	-0.5464077	0.3437863234
## 51	0.094967438	0.09489406	-0.5468878	0.3534500300
## 52	0.327667588	0.32624405	-0.5523052	0.3163538659
## 53	1.063193388	1.05464953	-0.5591855	0.3185359932
## 54	-0.551420361	-0.55345416	-0.5210121	0.3531382975
## 55	-0.689012543	-0.69552552	-0.4951822	0.1950899344

## 56	-0.679602950	-0.68635650	-0.5031826	0.2895448733
## 57	-0.429463535	-0.43180059	-0.5406017	0.3172890633
## 58	-0.174211334	-0.17375730	-0.5428418	0.3550086923
## 59	-0.693480809	-0.70047141	-0.4911592	0.2334330284
## 60	1.973519213	1.97797369	-0.5535852	0.2586833586
## 61	0.681458175	0.65990542	-0.5402131	-0.0037953824
## 62	-0.302551691	-0.29984692	-0.5294697	0.3537617624
## 63	-0.198209952	-0.20564534	-0.5598713	0.2942208604
## 64	-0.040518509	-0.04516424	-0.5467049	0.3191594581
## 65	-0.556276987	-0.55891508	-0.5265667	0.3391103363
## 66	-0.510664078	-0.51263733	-0.5277096	0.3434745909
## 67	-0.256090690	-0.25134243	-0.5280068	0.3571908196
## 68	0.412187553	0.41877971	-0.5439390	0.3550086923
## 69	-0.604930134	-0.60708414	-0.5152976	0.3141717386
## 70	-0.679777560	-0.68562695	-0.4995025	0.2917270006
## 71	-0.481459309	-0.47973552	-0.5045519	0.4767090492
## 72	2.852206503	2.80697802	-0.5643629	0.4279229174
## 73	-0.582463801	-0.58445343	-0.5074160	0.4570075570
## 74	-0.010519716	-0.01087908	-0.5365695	0.4476867561
## 75	-0.463439334	-0.46095427	-0.5059759	0.4518951445
## 76	-0.664064628	-0.66750317	-0.4934381	0.4961611554
## 77	-0.659152286	-0.66429931	-0.4967275	0.4595637633
## 78	-0.441340653	-0.43876893	-0.5055005	0.4790470428
## 79	-0.605071907	-0.60708654	-0.5420418	-0.0505552531
## 80	-0.252193271	-0.25313880	-0.5679471	-0.0135526088
## 81	2.626124936	2.65225299	-0.5737166	-0.0247438045
## 82	-0.036099682	-0.03203105	-0.5629823	-0.0059151632
## 83	-0.415191621	-0.41474806	-0.5563625	0.0031874250
## 84	-0.604712677	-0.60895432	-0.5620177	0.0357322950
## 85	-0.500648546	-0.50134114	-0.5482593	-0.0005221914
## 86	-0.261113409	-0.25925235	-0.5606690	0.0154073378
## 87	-0.241300323	-0.24058955	-0.5642852	-0.0185091551
## 88	0.043923747	0.04010124	-0.5763544	-0.0814479411
## 89	-0.600236728	-0.60387512	-0.5518869	0.0001636200
## 90	0.043687096	0.04009723	-0.6209967	-0.6902614580
## 91	0.676698451	0.68850633	-0.6098099	-0.6370175518
## 92	-0.582877003	-0.58446044	-0.5853629	-0.6060001709
## 93	-0.441685997	-0.43877478	-0.5706467	-0.4093905011
## 94	-0.434844067	-0.43397978	-0.6011694	-0.6400413568
## 95	-0.276970416	-0.27813282	-0.6159587	-0.6511702060
## 96	0.785819738	0.79143217	-0.6209236	-0.6387320804
## 97	0.094595460	0.09488775	-0.6170559	-0.6036933506
## 98	0.785834642	0.79143242	-0.6181120	-0.6003889864
## 99	-0.302511704	-0.29984624	-0.5219265	0.4566334780
## 100	-0.415428272	-0.41475207	-0.6010048	-0.6056260919
## 101	-0.500885198	-0.50134515	-0.5929016	-0.6093357083
## 102	-0.582901358	-0.58446085	-0.5899574	-0.6686583977
## 103	-0.582835682	-0.58445974	-0.5775682	-0.4996993981
## 104	-0.434829163	-0.43397953	-0.5983578	-0.6016982628
## 105	-0.582800542	-0.58445914	-0.5709393	-0.4092969814
## 106	-0.276791079	-0.27812978	-0.5821284	-0.1898061482
## 107	-0.402364007	-0.39976332	-0.5279314	0.3281685265
## 108	0.677057124	0.68851240	-0.5421492	0.2857105639
## 109	-0.454436641	-0.45176196	-0.5170508	0.3418847553

## 110	0.135933677	0.13967867	-0.5451345	0.3029805428
## 111	0.386006143	0.39544858	-0.5417606	0.3145769908
## 112	-0.549867827	-0.55265275	-0.5333122	0.3118025718
## 113	-0.582851556	-0.58446001	-0.5805626	-0.5405363519
## 114	0.043712542	0.04009766	-0.6161965	-0.6247976389
## 115	-0.664452383	-0.66750974	-0.5665848	-0.5013827535
## 116	-0.500859751	-0.50134472	-0.5881013	-0.5438718893
## 117	-0.581730291	-0.58213950	-0.5743635	-0.5627317039
## 118	-0.502381761	-0.50139378	-0.5866384	-0.5611730415
## 119	-0.559058036	-0.56118170	-0.5923987	-0.6032569252
## 120	0.043118793	0.04008760	-0.7282022	-2.1522867494
## 121	0.676130148	0.68849669	-0.7170154	-2.0990428433
## 122	-0.583445305	-0.58447007	-0.6925684	-2.0680254624
## 123	-0.442254300	-0.43878441	-0.6778522	-1.8714157926
## 124	-0.435412370	-0.43398941	-0.7083749	-2.1020666483
## 125	-0.277538719	-0.27814245	-0.7231643	-2.1131954975
## 126	0.785251435	0.79142254	-0.7281291	-2.1007573719
## 127	0.094027157	0.09487812	-0.7242615	-2.0657186421
## 128	0.785266339	0.79142279	-0.7253175	-2.0624142779
## 129	-0.303080006	-0.29985587	-0.6291320	-1.0053918134
## 130	-0.415996575	-0.41476170	-0.7082104	-2.0676513834
## 131	-0.501453501	-0.50135479	-0.7001071	-2.0713609998
## 132	-0.583469661	-0.58447048	-0.6971629	-2.1306836891
## 133	-0.583403985	-0.58446937	-0.6847737	-1.9617246896
## 134	-0.435397465	-0.43398916	-0.7055634	-2.0637235543
## 135	-0.583368845	-0.58446878	-0.6781448	-1.8713222728
## 136	-0.277359382	-0.27813941	-0.6893340	-1.6518314396
## 137	-0.402932310	-0.39977295	-0.6351369	-1.1338567649
## 138	0.676488821	0.68850277	-0.6493548	-1.1763147276
## 139	-0.455004944	-0.45177159	-0.6242563	-1.1201405362
## 140	0.135365374	0.13966903	-0.6523401	-1.1590447486
## 141	0.385437841	0.39543895	-0.6489662	-1.1474483007
## 142	-0.550436130	-0.55266239	-0.6405177	-1.1502227197
## 143	-0.583419859	-0.58446964	-0.6877682	-2.0025616434
## 144	0.043144239	0.04008803	-0.7234020	-2.0868229304
## 145	-0.501428054	-0.50135435	-0.6953068	-2.0058971808
## 146	-0.582298594	-0.58214913	-0.6815690	-2.0247569953
## 147	-0.502950064	-0.50140341	-0.6938439	-2.0231983330
## 148	-0.666867876	-0.67280971	1.8037706	1.2951938265
## 149	0.883943395	0.89050214	1.7104172	1.5994447187
## 150	0.902612083	0.90789793	1.7094571	1.6187721319
## 151	1.368012384	1.37059791	1.6986223	1.5445798037
## 152	2.839063984	2.82740888	1.6848616	1.5489440583
## 153	-0.390163514	-0.38879850	1.7612084	1.6181486670
## 154	-0.665347878	-0.67294123	1.8128682	1.3020519408
## 155	-0.646528692	-0.65460319	1.7968673	1.4909618186
## 156	-0.146249864	-0.14549136	1.7220292	1.5464501985
## 157	0.364254539	0.37059521	1.7175490	1.6218894566
## 158	-0.674284410	-0.68283300	1.8209143	1.3787381288
## 159	4.659715633	4.67405720	1.6960621	1.4292387892
## 160	2.075593557	2.03792065	1.7228064	0.9042813072
## 161	0.107573825	0.11841599	1.7442932	1.6193955969
## 162	0.316257303	0.30681914	1.6834901	1.5003137927
## 163	0.631640188	0.62778134	1.7098229	1.5501909882

## 164	-0.399876767	-0.39972034	1.7500992	1.5900927445
## 165	-0.308650950	-0.30716485	1.7478134	1.5988212537
## 166	0.200495827	0.21542496	1.7472191	1.6262537112
## 167	1.537052314	1.55566924	1.7153546	1.6218894566
## 168	-0.497183062	-0.49605846	1.7726375	1.5402155491
## 169	-0.646877914	-0.65314409	1.8042277	1.4953260732
## 170	-0.250241411	-0.24136122	1.7941289	1.8652901704
## 171	6.417090212	6.33206587	1.6745067	1.7677179068
## 172	-0.452250396	-0.45079705	1.7884006	1.8258871860
## 173	0.691637776	0.69635166	1.7300936	1.8072455842
## 174	-0.214201461	-0.20379872	1.7912808	1.8156623609
## 175	-0.615452050	-0.61689652	1.8163563	1.9041943828
## 176	-0.605627366	-0.61048879	1.8097777	1.8309995985
## 177	-0.170004099	-0.15942803	1.7922317	1.8699661575
## 178	-0.497466608	-0.49606326	1.7191491	0.8107615657
## 179	0.208290664	0.21183222	1.6673384	0.8847668544
## 180	5.964927079	6.02261580	1.6557995	0.8623844630
## 181	0.640477843	0.65404772	1.6772680	0.9000417456
## 182	-0.117706034	-0.11138630	1.6905076	0.9182469219
## 183	-0.496748147	-0.49979882	1.6791973	0.9833366619
## 184	-0.288619885	-0.28457246	1.7067141	0.9108276891
## 185	0.190450389	0.19960513	1.6818946	0.9426867477
## 186	0.230076561	0.23693073	1.6746622	0.8748537619
## 187	0.800524701	0.79831230	1.6505238	0.7489761898
## 188	-0.487796250	-0.48964042	1.6994589	0.9121993119
## 189	0.800051398	0.79830428	1.5612392	-0.4686508439
## 190	2.066074108	2.09512247	1.5836129	-0.3621630317
## 191	-0.453076798	-0.45081106	1.6325069	-0.3001282698
## 192	-0.170694787	-0.15943974	1.6619392	0.0930910698
## 193	-0.157010927	-0.14984974	1.6008938	-0.3682106416
## 194	0.158736375	0.16184418	1.5713151	-0.3904683401
## 195	2.284316682	2.30097416	1.5613855	-0.3655920889
## 196	0.901868128	0.90788532	1.5691207	-0.2955146293
## 197	2.284346491	2.30097466	1.5670086	-0.2889059009
##	HGRE_align.H.ADC	LGSRE_align.H.ADC	HGSRE_align.H.ADC	LGHRE_align.H.ADC
## 1	-0.5745603	-0.03280154	-0.5618821	-0.182671443
## 2	-0.5854319	-0.04755818	-0.5775831	-0.178253723
## 3	-0.6087517	-0.02903388	-0.6283839	-0.152925463
## 4	-0.5810819	-0.09402591	-0.5874477	-0.057797230
## 5	-0.5828703	-0.06985013	-0.5794468	-0.152041919
## 6	-0.5771240	-0.08178103	-0.5736937	-0.086954181
## 7	-0.5806455	-0.05854717	-0.5680864	-0.213595481
## 8	-0.5851737	-0.04504641	-0.5846414	-0.126124629
## 9	-0.5695417	-0.08303692	-0.5570410	-0.203581983
## 10	-0.5898250	-0.03656919	-0.5982351	-0.185911104
## 11	-0.5870941	-0.07864132	-0.5832364	-0.120823366
## 12	-0.5811930	-0.06671042	-0.5786182	-0.100796369
## 13	-0.5916113	-0.05415157	-0.5995582	-0.125535600
## 14	-0.5933424	-0.05132583	-0.5982367	-0.133487496
## 15	-0.5936612	-0.05195378	-0.6101982	-0.111693411
## 16	-0.5848348	-0.04912804	-0.5833220	-0.144384538
## 17	-0.5852345	-0.07110602	-0.5713701	-0.198869749
## 18	-0.5964639	-0.02589417	-0.6046783	-0.155870609
## 19	-0.5776652	-0.05258172	-0.5785747	-0.097262193

## 20	-0.5698745	-0.46168611	-0.5818843	-0.384119465
## 21	-0.5792909	-0.11098035	-0.5817922	0.069727615
## 22	-0.5633470	-0.22777761	-0.5485155	-0.435954044
## 23	-0.5757950	-0.08397883	-0.5691395	-0.120823366
## 24	-0.5880213	-0.03656919	-0.5960286	-0.107864721
## 25	-0.5805609	-0.03342948	-0.5795058	-0.183554987
## 26	-0.5966531	-0.02620814	-0.6040021	-0.146446140
## 27	-0.5944340	-0.04850009	-0.6071873	-0.177959208
## 28	-0.5748838	-0.03531331	-0.5721703	-0.165000564
## 29	-0.5785347	-0.03562728	-0.5717297	-0.172952459
## 30	-0.5763728	-0.05509349	-0.5708368	-0.155576095
## 31	-0.5391844	-0.15776205	-0.5053328	-0.377640143
## 32	-0.5873164	-0.08994428	-0.5923610	-0.075173594
## 33	-0.5801218	-0.12605097	-0.5939917	0.023783329
## 34	-0.5775722	-0.05729129	-0.5779895	-0.234800536
## 35	-0.5856064	-0.03185962	-0.5838732	-0.227143155
## 36	-0.5784827	-0.07958324	-0.5797032	-0.075173594
## 37	-0.5875383	-0.42212575	-0.6011753	-0.466289053
## 38	-0.5775581	-0.05697731	-0.5731708	-0.223608979
## 39	-0.6049412	-0.06733836	-0.6248509	-0.052495966
## 40	-0.5785460	-0.08523472	-0.5689731	-0.153514492
## 41	-0.5697062	-0.15493631	-0.5834446	0.090343641
## 42	-0.5742638	-0.05980305	-0.5595019	-0.177075664
## 43	-0.5718332	-0.46168611	-0.5896809	-0.380879804
## 44	-0.5391861	-0.19010108	-0.5053346	-0.407975152
## 45	-0.5501613	0.22496877	-0.5215173	0.000811186
## 46	-0.5702163	0.27112253	-0.5586867	0.333318229
## 47	-0.5856078	0.33328881	-0.5868127	0.260573110
## 48	-0.5834098	0.37002343	-0.5824747	0.272353696
## 49	-0.5577192	0.23062025	-0.5350818	-0.010969400
## 50	-0.5795124	0.34302192	-0.5877899	0.323010216
## 51	-0.5830458	0.35558076	-0.5940167	0.301805161
## 52	-0.5830419	0.30911303	-0.5976409	0.492061627
## 53	-0.5816288	0.29561227	-0.5993514	0.409008495
## 54	-0.5791099	0.37441903	-0.5720343	0.212567221
## 55	-0.5517043	0.23470187	-0.5255032	-0.009496827
## 56	-0.5605073	0.31633437	-0.5396248	0.130397633
## 57	-0.5828633	0.30974098	-0.5912791	0.326838907
## 58	-0.5856894	0.36468592	-0.5932510	0.303277735
## 59	-0.5382998	0.27143650	-0.5042396	0.033502313
## 60	-0.5975861	0.21586360	-0.6201635	0.642558615
## 61	-0.5925832	0.01492208	-0.6045946	-0.096967679
## 62	-0.5881124	0.36468592	-0.5895422	0.273531755
## 63	-0.5812547	0.25762177	-0.6005116	0.428740977
## 64	-0.5817573	0.30189170	-0.5927552	0.378673486
## 65	-0.5788261	0.34082412	-0.5754732	0.285017826
## 66	-0.5830088	0.35715062	-0.5822539	0.236128394
## 67	-0.5796225	0.36908152	-0.5746523	0.265579859
## 68	-0.5930345	0.36280210	-0.6080119	0.300921617
## 69	-0.5720274	0.33266087	-0.5523364	0.203437267
## 70	-0.5670573	0.32952116	-0.5492247	0.090343641
## 71	-0.5814935	0.50638110	-0.5689221	0.301510647
## 72	-0.6157731	0.40876747	-0.6615634	0.551288524
## 73	-0.5791214	0.48769982	-0.5671438	0.281071330

## 74	-0.5800235	0.44603585	-0.5892368	0.434425110
## 75	-0.5792654	0.47934818	-0.5647846	0.287668458
## 76	-0.5774734	0.53636534	-0.5625730	0.280865169
## 77	-0.5709411	0.50057263	-0.5525094	0.242313201
## 78	-0.5805448	0.51080809	-0.5686569	0.295885417
## 79	-0.5720471	-0.03468536	-0.5523564	-0.141144877
## 80	-0.5832047	-0.01895541	-0.5919825	-0.011411172
## 81	-0.5969238	-0.03465397	-0.6133832	0.105658402
## 82	-0.5895511	-0.01170268	-0.5980587	-0.009555730
## 83	-0.5971565	0.02107591	-0.6032192	-0.088956880
## 84	-0.5831523	0.06452952	-0.5905156	-0.100501855
## 85	-0.5864431	0.02650761	-0.5835571	-0.142558547
## 86	-0.5860661	0.03517321	-0.5915160	-0.087602113
## 87	-0.5770970	-0.02407314	-0.5801967	0.039569314
## 88	-0.5721631	-0.12787200	-0.5805633	0.262045683
## 89	-0.5747695	0.01567561	-0.5716528	-0.089310298
## 90	-0.5721960	-0.74105763	-0.5805968	-0.313141434
## 91	-0.5870962	-0.65458998	-0.5962747	-0.510790218
## 92	-0.5791788	-0.58294177	-0.5672022	-0.723223637
## 93	-0.5805928	-0.38400965	-0.5687058	-0.543481344
## 94	-0.5933737	-0.63393068	-0.5982685	-0.680018337
## 95	-0.5811301	-0.67763546	-0.5899738	-0.503662963
## 96	-0.5936925	-0.63468421	-0.6102300	-0.658253704
## 97	-0.5830976	-0.60818505	-0.5940693	-0.602295920
## 98	-0.5936904	-0.59606576	-0.6102279	-0.622028402
## 99	-0.5881068	0.46829640	-0.5895365	0.370721590
## 100	-0.5971894	-0.59210972	-0.6032526	-0.664143997
## 101	-0.5864760	-0.58667802	-0.5835906	-0.717745664
## 102	-0.5791822	-0.64604997	-0.5672057	-0.782421082
## 103	-0.5791731	-0.47587761	-0.5671964	-0.622794140
## 104	-0.5933716	-0.59531223	-0.5982664	-0.643793035
## 105	-0.5791682	-0.38482598	-0.5671914	-0.537384891
## 106	-0.5811051	-0.21295818	-0.5899484	-0.067781277
## 107	-0.5818289	0.33991360	-0.5764158	0.234449660
## 108	-0.5870463	0.27476459	-0.5962240	0.360973155
## 109	-0.5803081	0.37363410	-0.5682516	0.170569432
## 110	-0.5841060	0.30051022	-0.5931865	0.303248283
## 111	-0.5906276	0.31978805	-0.6009905	0.281159684
## 112	-0.5818256	0.33033748	-0.5813058	0.229442911
## 113	-0.5791753	-0.51700783	-0.5671986	-0.661375560
## 114	-0.5721925	-0.67512369	-0.5805932	-0.251293357
## 115	-0.5775273	-0.46834230	-0.5626279	-0.661581720
## 116	-0.5864725	-0.52074408	-0.5835870	-0.655897587
## 117	-0.5852602	-0.54928406	-0.5713962	-0.647415565
## 118	-0.5871198	-0.55681937	-0.5832624	-0.569369182
## 119	-0.5702645	-0.62683493	-0.5587357	-0.508993678
## 120	-0.5722751	-2.21358227	-0.5806771	-1.694415156
## 121	-0.5871752	-2.12711462	-0.5963550	-1.892063940
## 122	-0.5792579	-2.05546641	-0.5672826	-2.104497359
## 123	-0.5806719	-1.85653429	-0.5687861	-1.924755066
## 124	-0.5934527	-2.10645532	-0.5983488	-2.061292059
## 125	-0.5812091	-2.15016010	-0.5900541	-1.884936685
## 126	-0.5937715	-2.10720885	-0.6103104	-2.039527426
## 127	-0.5831766	-2.08070969	-0.5941496	-1.983569642

## 128	-0.5937694	-2.06859040	-0.6103083	-2.003302124
## 129	-0.5881859	-1.00422824	-0.5896169	-1.010552132
## 130	-0.5972684	-2.06463436	-0.6033330	-2.045417719
## 131	-0.5865551	-2.05920266	-0.5836709	-2.099019386
## 132	-0.5792612	-2.11857461	-0.5672860	-2.163694804
## 133	-0.5792521	-1.94840225	-0.5672767	-2.004067862
## 134	-0.5934507	-2.06783687	-0.5983467	-2.025066757
## 135	-0.5792472	-1.85735062	-0.5672718	-1.918658613
## 136	-0.5811842	-1.68548282	-0.5900288	-1.449054999
## 137	-0.5819079	-1.13261104	-0.5764961	-1.146824062
## 138	-0.5871253	-1.19776005	-0.5963043	-1.020300567
## 139	-0.5803871	-1.09889054	-0.5683320	-1.210704290
## 140	-0.5841850	-1.17201442	-0.5932668	-1.078025439
## 141	-0.5907066	-1.15273659	-0.6010709	-1.100114038
## 142	-0.5819047	-1.14218716	-0.5813861	-1.151830811
## 143	-0.5792543	-1.98953247	-0.5672790	-2.042649282
## 144	-0.5722715	-2.14764833	-0.5806735	-1.632567079
## 145	-0.5865515	-1.99326872	-0.5836673	-2.037171309
## 146	-0.5853392	-2.02180870	-0.5714765	-2.028689287
## 147	-0.5871988	-2.02934401	-0.5833428	-1.950642904
## 148	1.7564497	1.34019425	1.8031180	1.038091794
## 149	1.7128634	1.56499759	1.6977017	1.706051026
## 150	1.7057964	1.59011528	1.6852483	1.663640916
## 151	1.7058043	1.49717982	1.6779999	2.044153848
## 152	1.7086304	1.47017830	1.6745789	1.878047584
## 153	1.7136684	1.62779182	1.7292131	1.485165037
## 154	1.7684795	1.34835750	1.8222751	1.041036940
## 155	1.7508734	1.51162249	1.7940321	1.320825860
## 156	1.7061614	1.49843571	1.6907234	1.713708407
## 157	1.7005093	1.60832561	1.6867796	1.666586063
## 158	1.7952885	1.42182675	1.8648023	1.127035219
## 159	1.6767159	1.31068097	1.6329545	2.345147823
## 160	1.6867217	0.90879791	1.6640924	0.866095236
## 161	1.6956633	1.60832561	1.6941973	1.607094103
## 162	1.7093787	1.39419729	1.6722585	1.917512547
## 163	1.7083736	1.48273715	1.6877712	1.817377565
## 164	1.7142358	1.56060199	1.7223353	1.630066246
## 165	1.7058704	1.59325499	1.7087738	1.532287381
## 166	1.7126431	1.61711680	1.7239770	1.591190312
## 167	1.6858190	1.60455795	1.6572578	1.661873828
## 168	1.7278332	1.54427549	1.7686089	1.466905128
## 169	1.7377734	1.53799607	1.7748321	1.240717875
## 170	1.7089010	1.89171595	1.7354373	1.663051887
## 171	1.6403419	1.69648870	1.5501548	2.162607641
## 172	1.7136453	1.85435339	1.7389940	1.622173253
## 173	1.7118411	1.77102545	1.6948081	1.928880813
## 174	1.7133573	1.83765012	1.7437124	1.635367510
## 175	1.7169412	1.95168444	1.7481355	1.621760933
## 176	1.7300058	1.88009902	1.7682629	1.544656997
## 177	1.7107984	1.90056994	1.7359677	1.651801427
## 178	1.7277938	0.80958303	1.7685688	0.777740840
## 179	1.7054786	0.84104294	1.6893166	1.037208250
## 180	1.6780404	0.80964582	1.6465153	1.271347399
## 181	1.6927858	0.85554840	1.6771641	1.040919134

## 182	1.6775752	0.92110558	1.6668433	0.882116833
## 183	1.7055834	1.00801279	1.6922505	0.859026885
## 184	1.6990018	0.93196898	1.7061674	0.774913500
## 185	1.6997559	0.94930018	1.6902497	0.884826368
## 186	1.7176941	0.83080748	1.7128883	1.139169222
## 187	1.7275618	0.62320976	1.7121550	1.584121960
## 188	1.7223491	0.91030497	1.7299760	0.881409998
## 189	1.7274960	-0.60316151	1.7120881	0.433747726
## 190	1.6976957	-0.43022620	1.6807323	0.038450159
## 191	1.7135304	-0.28692978	1.7388771	-0.386416680
## 192	1.7107024	0.11093445	1.7358701	-0.026932094
## 193	1.6851407	-0.38890760	1.6767446	-0.300006080
## 194	1.7096279	-0.47631717	1.6933340	0.052704668
## 195	1.6845032	-0.39041466	1.6528216	-0.256476815
## 196	1.7056930	-0.33741634	1.6851431	-0.144561247
## 197	1.6845073	-0.31317776	1.6528258	-0.184026210
##	HGLRE_align.H.ADC	GLNU_norm_align.H.ADC	RLNU_norm_align.H.ADC	
## 1	-0.6171972	-0.03604207	-0.5265624	
## 2	-0.6180332	-0.03900875	-0.5334162	
## 3	-0.4831156	-0.03966801	-0.5729308	
## 4	-0.5612980	-0.04131616	-0.5840042	
## 5	-0.5953627	-0.03900875	-0.5507607	
## 6	-0.5951628	-0.04065690	-0.5636524	
## 7	-0.6356378	-0.03900875	-0.5283108	
## 8	-0.5893329	-0.04032727	-0.5547937	
## 9	-0.6204634	-0.02648276	-0.5228790	
## 10	-0.5309185	-0.04098653	-0.5757982	
## 11	-0.6029172	-0.04098653	-0.5429743	
## 12	-0.5939273	-0.04098653	-0.5609482	
## 13	-0.5239334	-0.03966801	-0.5736068	
## 14	-0.5691706	-0.03999764	-0.5569618	
## 15	-0.5052244	-0.04098653	-0.5929562	
## 16	-0.5987491	-0.04065690	-0.5546305	
## 17	-0.6364086	-0.03900875	-0.5190091	
## 18	-0.5677476	-0.04098653	-0.5619040	
## 19	-0.5715084	-0.04065690	-0.5780362	
## 20	-0.5246383	-0.03043834	-0.6149398	
## 21	-0.5703800	-0.04098653	-0.5773368	
## 22	-0.6301153	-0.02318645	-0.5199649	
## 23	-0.6059703	-0.03736059	-0.5545140	
## 24	-0.5587452	-0.04065690	-0.5763810	
## 25	-0.5946291	-0.03834948	-0.5567753	
## 26	-0.5692595	-0.04164580	-0.5601789	
## 27	-0.5522049	-0.03834948	-0.5699701	
## 28	-0.5945019	-0.03933838	-0.5638389	
## 29	-0.6103721	-0.03966801	-0.5501545	
## 30	-0.5930707	-0.03867912	-0.5555630	
## 31	-0.6755629	0.01669891	-0.4903815	
## 32	-0.5672422	-0.04098653	-0.5723480	
## 33	-0.5155066	-0.04131616	-0.6080393	
## 34	-0.5866793	-0.03637170	-0.5604353	
## 35	-0.5997496	-0.03933838	-0.5412725	
## 36	-0.5771525	-0.04131616	-0.5757283	
## 37	-0.5343090	-0.02846055	-0.5921169	

## 38	-0.5985568	-0.03208649	-0.5391744
## 39	-0.5181087	-0.04098653	-0.5774301
## 40	-0.6153990	-0.03966801	-0.5460049
## 41	-0.5104664	-0.04098653	-0.6229359
## 42	-0.6384453	-0.03801985	-0.5370530
## 43	-0.5049067	-0.03043834	-0.6258034
## 44	-0.6755645	-0.01725309	-0.4927827
## 45	-0.6674258	0.45444902	-0.4594692
## 46	-0.6226591	0.40170805	-0.5242311
## 47	-0.5752484	0.40137841	-0.5242311
## 48	-0.5912253	0.39973026	-0.5284274
## 49	-0.6530010	0.42643038	-0.4719413
## 50	-0.5489069	0.39973026	-0.5606684
## 51	-0.5437041	0.39973026	-0.5630929
## 52	-0.5235877	0.39973026	-0.5687345
## 53	-0.5078164	0.39907100	-0.5839109
## 54	-0.6149440	0.40302657	-0.5145098
## 55	-0.6600477	0.44884529	-0.4626863
## 56	-0.6484787	0.44324157	-0.4767903
## 57	-0.5563722	0.40005989	-0.5503410
## 58	-0.5407085	0.39973026	-0.5526956
## 59	-0.6754498	0.47224910	-0.4544803
## 60	-0.4691433	0.40038952	-0.5661236
## 61	-0.5453623	0.41291550	-0.5478233
## 62	-0.5783294	0.40071915	-0.5287071
## 63	-0.4999184	0.40005989	-0.5861023
## 64	-0.5208969	0.40335620	-0.5598758
## 65	-0.6033848	0.40203768	-0.5254201
## 66	-0.5911853	0.40269694	-0.5260961
## 67	-0.6047291	0.40005989	-0.5267256
## 68	-0.5325566	0.39907100	-0.5563323
## 69	-0.6481971	0.40104878	-0.5012684
## 70	-0.6447134	0.42906743	-0.4714751
## 71	-0.6348269	0.51431003	-0.4885678
## 72	-0.3628464	0.51220039	-0.5930261
## 73	-0.6310158	0.51523300	-0.4930414
## 74	-0.5325802	0.51289262	-0.5485367
## 75	-0.6431774	0.51315632	-0.4918152
## 76	-0.6443129	0.51216743	-0.4670481
## 77	-0.6479324	0.52986862	-0.4724845
## 78	-0.6353221	0.51450781	-0.4911578
## 79	-0.6482154	0.01538039	-0.5285439
## 80	-0.5552135	0.03179602	-0.5808593
## 81	-0.4675563	0.03248824	-0.5812393
## 82	-0.5562817	0.03196083	-0.5704084
## 83	-0.5361883	0.03327936	-0.5530290
## 84	-0.5506892	0.03397158	-0.5681564
## 85	-0.5945919	0.03433418	-0.5417924
## 86	-0.5568557	0.03281787	-0.5631932
## 87	-0.5648535	0.03281787	-0.5702126
## 88	-0.5291039	0.03321343	-0.5918418
## 89	-0.5985006	0.03575159	-0.5499750
## 90	-0.5291344	-0.61055613	-0.6373710
## 91	-0.5527932	-0.61151206	-0.6190358

## 92	-0.6310690	-0.60880908	-0.5725368
## 93	-0.6353666	-0.42494085	-0.5575982
## 94	-0.5691996	-0.65189187	-0.6002390
## 95	-0.5480773	-0.61246799	-0.6295940
## 96	-0.5052534	-0.65278187	-0.6362170
## 97	-0.5437520	-0.61240206	-0.6346737
## 98	-0.5052514	-0.61223724	-0.6333496
## 99	-0.5783242	0.50949742	-0.5210140
## 100	-0.5362188	-0.61049020	-0.5985581
## 101	-0.5946224	-0.60943538	-0.5873215
## 102	-0.6310722	-0.67506493	-0.5772226
## 103	-0.6310637	-0.49640487	-0.5645873
## 104	-0.5691977	-0.61134724	-0.5973715
## 105	-0.6310592	-0.40081185	-0.5578267
## 106	-0.5480542	-0.12461395	-0.5950916
## 107	-0.6050631	0.36330602	-0.5224710
## 108	-0.5527470	0.36419603	-0.5500310
## 109	-0.6347596	0.36482232	-0.5036882
## 110	-0.5536767	0.36330602	-0.5563067
## 111	-0.5368062	0.36373454	-0.5489027
## 112	-0.5836868	0.36551455	-0.5335095
## 113	-0.6310658	-0.53958655	-0.5676412
## 114	-0.5291311	-0.54133359	-0.6324754
## 115	-0.6443629	-0.54265212	-0.5416478
## 116	-0.5946191	-0.54021285	-0.5824259
## 117	-0.6364323	-0.54103692	-0.5545140
## 118	-0.6029410	-0.54301471	-0.5784791
## 119	-0.6227037	-0.54103692	-0.5909047
## 120	-0.5292076	-2.15652602	-0.7467063
## 121	-0.5528664	-2.15748195	-0.7283711
## 122	-0.6311422	-2.15477898	-0.6818721
## 123	-0.6354398	-1.97091075	-0.6669335
## 124	-0.5692728	-2.19786177	-0.7095742
## 125	-0.5481505	-2.15843789	-0.7389293
## 126	-0.5053266	-2.19875177	-0.7455523
## 127	-0.5438252	-2.15837196	-0.7440090
## 128	-0.5053246	-2.15820714	-0.7426849
## 129	-0.5783974	-1.03647248	-0.6303493
## 130	-0.5362920	-2.15646010	-0.7078934
## 131	-0.5946956	-2.15540528	-0.6966568
## 132	-0.6311454	-2.22103483	-0.6865579
## 133	-0.6311369	-2.04237477	-0.6739226
## 134	-0.5692709	-2.15731714	-0.7067068
## 135	-0.6311324	-1.94678175	-0.6671619
## 136	-0.5481274	-1.67058384	-0.7044269
## 137	-0.6051363	-1.18266388	-0.6318063
## 138	-0.5528202	-1.18177387	-0.6593663
## 139	-0.6348327	-1.18114757	-0.6130235
## 140	-0.5537499	-1.18266388	-0.6656420
## 141	-0.5368794	-1.18223536	-0.6582380
## 142	-0.5837600	-1.18045535	-0.6428448
## 143	-0.6311390	-2.08555645	-0.6769765
## 144	-0.5292043	-2.08730349	-0.7418107
## 145	-0.5946923	-2.08618275	-0.6917612

## 146	-0.6365055	-2.08700682	-0.6638493
## 147	-0.6030142	-2.08898461	-0.6878144
## 148	1.5441677	1.50168706	1.8582990
## 149	1.7523559	1.44828682	1.6808448
## 150	1.7627615	1.44828682	1.6759958
## 151	1.8029943	1.44828682	1.6647126
## 152	1.8345369	1.44696829	1.6343598
## 153	1.6202817	1.45487944	1.7731620
## 154	1.5300742	1.54651689	1.8768091
## 155	1.5532123	1.53530943	1.8486010
## 156	1.7374252	1.44894608	1.7014996
## 157	1.7687526	1.44828682	1.6967905
## 158	1.4992700	1.59332450	1.8932210
## 159	1.9118831	1.44960534	1.6699346
## 160	1.7594451	1.47465730	1.7065351
## 161	1.6935109	1.45026460	1.7447675
## 162	1.8503328	1.44894608	1.6299771
## 163	1.8083759	1.45553870	1.6824301
## 164	1.6434000	1.45290165	1.7513416
## 165	1.6677990	1.45422018	1.7499895
## 166	1.6407114	1.44894608	1.7487306
## 167	1.7850565	1.44696829	1.6895170
## 168	1.5537754	1.45092386	1.7996449
## 169	1.5607428	1.50696115	1.8592315
## 170	1.5805160	1.67744636	1.8250462
## 171	2.1244769	1.67322708	1.6161295
## 172	1.5881380	1.67929230	1.8160988
## 173	1.7850093	1.67461153	1.7051084
## 174	1.5638148	1.67513894	1.8185513
## 175	1.5615438	1.67316116	1.8680856
## 176	1.5543049	1.70856354	1.8572126
## 177	1.5795255	1.67784192	1.8198661
## 178	1.5537389	0.67958707	1.7450939
## 179	1.7397427	0.71241833	1.6404630
## 180	1.9150571	0.71380278	1.6397030
## 181	1.7376062	0.71274796	1.6613649
## 182	1.7777930	0.71538501	1.6961238
## 183	1.7487914	0.71676946	1.6658689
## 184	1.6609858	0.71749465	1.7185970
## 185	1.7364583	0.71446204	1.6757953
## 186	1.7204627	0.71446204	1.6617566
## 187	1.7919618	0.71525316	1.6184980
## 188	1.6531685	0.72032948	1.7022316
## 189	1.7919008	-0.57228595	1.5274397
## 190	1.7445833	-0.57419781	1.5641102
## 191	1.5880316	-0.56879186	1.6571081
## 192	1.5794365	-0.20105540	1.6869853
## 193	1.7117705	-0.65495744	1.6017038
## 194	1.7540151	-0.57610967	1.5429938
## 195	1.8396629	-0.65673744	1.5297476
## 196	1.7626657	-0.57597782	1.5328342
## 197	1.8396668	-0.57564819	1.5354825
##	GLVAR_align.H.ADC	RLVAR_align.H.ADC	Entropy_align.H.ADC SZSE.H.ADC
## 1	-0.5708740	-0.364845066	-0.6043268 -0.5346854

## 2	-0.5719358	-0.340045042	-0.5926918	-0.5422640
## 3	-0.5977942	0.123369361	-0.5713589	-0.6095598
## 4	-0.5819026	0.055025108	-0.5597051	-0.5735377
## 5	-0.5722561	-0.198454207	-0.5843242	-0.5572108
## 6	-0.5843167	-0.127226231	-0.5780064	-0.5901219
## 7	-0.5762765	-0.365133439	-0.5961055	-0.5277616
## 8	-0.5719580	-0.148565787	-0.5813190	-0.5696782
## 9	-0.5647221	-0.415310231	-0.6088572	-0.5352467
## 10	-0.5898883	0.060792556	-0.5746115	-0.5838297
## 11	-0.5783864	-0.229021679	-0.5836460	-0.5382408
## 12	-0.5816034	-0.089449450	-0.5710291	-0.5423108
## 13	-0.5870902	0.097415847	-0.5630176	-0.5871279
## 14	-0.5863505	-0.140779733	-0.5781301	-0.5390829
## 15	-0.5897177	0.193732219	-0.5512101	-0.6082031
## 16	-0.5755230	-0.211430964	-0.5766612	-0.5687426
## 17	-0.5714577	-0.398296261	-0.5975819	-0.5307557
## 18	-0.5790860	-0.141644850	-0.5676229	-0.5518543
## 19	-0.5763297	0.022439030	-0.5630888	-0.5886015
## 20	-0.6172315	0.445192928	-0.5540018	-0.5952679
## 21	-0.5863434	0.119043775	-0.5613201	-0.5821924
## 22	-0.5879322	-0.457700970	-0.6225083	-0.5438078
## 23	-0.5831533	-0.208258868	-0.5789282	-0.5253056
## 24	-0.5796565	-0.003226111	-0.5626054	-0.5716898
## 25	-0.5700377	-0.179421631	-0.5810529	-0.5795492
## 26	-0.5786991	-0.143663456	-0.5673456	-0.5540531
## 27	-0.5839878	-0.090314568	-0.5785460	-0.5795024
## 28	-0.5766648	-0.160677426	-0.5793629	-0.5689063
## 29	-0.5746957	-0.204221655	-0.5861679	-0.5623101
## 30	-0.5795760	-0.167598363	-0.5773919	-0.5801574
## 31	-0.5655605	-0.640529054	-0.6481093	-0.4545947
## 32	-0.5870456	-0.043886616	-0.5639469	-0.5684853
## 33	-0.5958382	0.295239295	-0.5458891	-0.6614409
## 34	-0.5704548	-0.191821643	-0.5890045	-0.6008583
## 35	-0.5759240	-0.301403144	-0.5872658	-0.5475738
## 36	-0.5843726	-0.004667973	-0.5648987	-0.5785668
## 37	-0.6017667	0.154225204	-0.5657193	-0.5804147
## 38	-0.5754508	-0.290444994	-0.6021947	-0.6046477
## 39	-0.5933118	0.057908832	-0.5613201	-0.5588950
## 40	-0.5785537	-0.231617030	-0.5825106	-0.5520648
## 41	-0.6135425	0.470281325	-0.5401596	-0.6188694
## 42	-0.5704124	-0.299672910	-0.5883750	-0.5352935
## 43	-0.6187830	0.524206958	-0.5492316	-0.6196647
## 44	-0.5655677	-0.670231409	-0.6484952	-0.4570040
## 45	-0.5657828	-0.253533330	-0.6410907	-0.4391333
## 46	-0.5777084	0.212764796	-0.5786510	-0.5267558
## 47	-0.5858125	0.259769493	-0.5819635	-0.5362525
## 48	-0.5797915	0.234392724	-0.5693916	-0.5284400
## 49	-0.5681114	-0.176249535	-0.6244119	-0.4549222
## 50	-0.5867927	0.505751126	-0.5488906	-0.5388723
## 51	-0.5862206	0.487872039	-0.5477140	-0.5405565
## 52	-0.5972514	0.692904796	-0.5446113	-0.5433868
## 53	-0.5984151	0.714532724	-0.5362250	-0.5762511
## 54	-0.5753936	0.102606550	-0.5819223	-0.5069437
## 55	-0.5646237	-0.233635637	-0.6346380	-0.4391333

## 56	-0.5573929	-0.104156441	-0.6293507	-0.4921138
## 57	-0.5868544	0.409146382	-0.5610728	-0.5476205
## 58	-0.5848855	0.491332508	-0.5558642	-0.5439014
## 59	-0.5632813	-0.284389174	-0.6480268	-0.4233210
## 60	-0.6102581	0.829016556	-0.5456867	-0.5442055
## 61	-0.5958434	0.435388268	-0.5637371	-0.5394337
## 62	-0.5853319	0.256020652	-0.5688820	-0.5222648
## 63	-0.6003424	0.713667607	-0.5435508	-0.6272667
## 64	-0.5909652	0.564002346	-0.5531737	-0.5668245
## 65	-0.5828753	0.178736856	-0.5778341	-0.5192707
## 66	-0.5863435	0.215071775	-0.5757206	-0.5609300
## 67	-0.5805242	0.219685733	-0.5680763	-0.5320656
## 68	-0.5843998	0.470569697	-0.5492541	-0.5477843
## 69	-0.5760980	0.052429757	-0.5888096	-0.5283932
## 70	-0.5710696	-0.179133258	-0.6204024	-0.4564192
## 71	-0.5699954	0.095541427	-0.5848912	-0.4882403
## 72	-0.6227569	1.199257845	-0.5286081	-0.5599242
## 73	-0.5730533	0.157137765	-0.5877398	-0.4746080
## 74	-0.5879860	0.607690760	-0.5513540	-0.5575079
## 75	-0.5698595	0.108864230	-0.5822734	-0.4942214
## 76	-0.5437067	-0.059574073	-0.5997166	-0.4668165
## 77	-0.5655255	-0.001236342	-0.6067449	-0.5073530
## 78	-0.5682788	0.098915383	-0.5832068	-0.4950634
## 79	-0.5761798	-0.284965919	-0.5931939	-0.5557606
## 80	-0.5863374	0.095512589	-0.5597792	-0.5939814
## 81	-0.6036034	0.465148296	-0.5563071	-0.5921405
## 82	-0.5909362	0.041673467	-0.5627579	-0.5571056
## 83	-0.5891203	0.046921845	-0.5766409	-0.6042547
## 84	-0.5739871	0.037088347	-0.5787154	-0.5486919
## 85	-0.5713916	-0.163561150	-0.5826455	-0.5429307
## 86	-0.5723797	0.056236272	-0.5680879	-0.5757809
## 87	-0.5772879	0.123773082	-0.5652554	-0.5665555
## 88	-0.5977814	0.374945418	-0.5539733	-0.5843092
## 89	-0.5715255	-0.131696003	-0.5863605	-0.5726535
## 90	-0.5979179	-0.188245825	-0.5612916	-0.6299918
## 91	-0.5909776	-0.456547481	-0.5656822	-0.6044722
## 92	-0.5732918	-0.826212025	-0.6005178	-0.5543712
## 93	-0.5684781	-0.722945878	-0.5938864	-0.5617276
## 94	-0.5864803	-0.676085368	-0.5850838	-0.5825081
## 95	-0.5938848	-0.354088777	-0.5663106	-0.6318981
## 96	-0.5898475	-0.341544578	-0.5581664	-0.6516237
## 97	-0.5864353	-0.397373470	-0.5592190	-0.6123620
## 98	-0.5898389	-0.306074777	-0.5577055	-0.6487466
## 99	-0.5853089	0.351183535	-0.5676454	-0.5145457
## 100	-0.5892569	-0.516269399	-0.5839593	-0.6499372
## 101	-0.5715281	-0.726752394	-0.5899638	-0.5886132
## 102	-0.5733058	-0.884174872	-0.6012710	-0.5590728
## 103	-0.5732679	-0.727877046	-0.5992400	-0.5463949
## 104	-0.5864717	-0.640615566	-0.5846229	-0.5796311
## 105	-0.5732477	-0.644249058	-0.5981533	-0.5396115
## 106	-0.5937813	0.072702335	-0.5607648	-0.5972795
## 107	-0.5751349	0.176631738	-0.5731684	-0.5314785
## 108	-0.5907706	0.397034742	-0.5545905	-0.5352350
## 109	-0.5648366	-0.007955418	-0.5829430	-0.4935173

## 110	-0.5839201	0.412347315	-0.5519142	-0.5547197
## 111	-0.5849766	0.405830099	-0.5552298	-0.5322059
## 112	-0.5811115	0.258673678	-0.5754370	-0.5306200
## 113	-0.5732771	-0.765653827	-0.5997309	-0.5494591
## 114	-0.5979032	-0.127687627	-0.5605047	-0.6250797
## 115	-0.5439304	-0.982365665	-0.6117077	-0.5416676
## 116	-0.5715134	-0.666194195	-0.5891769	-0.5837011
## 117	-0.5715642	-0.837487385	-0.6032889	-0.5663801
## 118	-0.5784929	-0.668212802	-0.5893530	-0.5738652
## 119	-0.5779083	-0.611980189	-0.5893680	-0.5936539
## 120	-0.5982459	-1.540712252	-0.5788660	-0.7396953
## 121	-0.5913055	-1.809013908	-0.5832566	-0.7141758
## 122	-0.5736197	-2.178678452	-0.6180922	-0.6640747
## 123	-0.5688060	-2.075412305	-0.6114608	-0.6714312
## 124	-0.5868082	-2.028551795	-0.6026582	-0.6922117
## 125	-0.5942128	-1.706555204	-0.5838851	-0.7416017
## 126	-0.5901755	-1.694011005	-0.5757409	-0.7613273
## 127	-0.5867632	-1.749839897	-0.5767935	-0.7220656
## 128	-0.5901669	-1.658541204	-0.5752800	-0.7584502
## 129	-0.5856368	-1.001282892	-0.5852198	-0.6242493
## 130	-0.5895848	-1.868735826	-0.6015337	-0.7596408
## 131	-0.5718561	-2.079218821	-0.6075382	-0.6983167
## 132	-0.5736338	-2.236641299	-0.6188454	-0.6687763
## 133	-0.5735959	-2.080343473	-0.6168144	-0.6560984
## 134	-0.5867996	-1.993081993	-0.6021973	-0.6893346
## 135	-0.5735756	-1.996715485	-0.6157277	-0.6493150
## 136	-0.5941093	-1.279764092	-0.5783392	-0.7069831
## 137	-0.5754629	-1.175834689	-0.5907428	-0.6411820
## 138	-0.5910986	-0.955431685	-0.5721649	-0.6449386
## 139	-0.5651645	-1.360421845	-0.6005174	-0.6032208
## 140	-0.5842481	-0.940119112	-0.5694886	-0.6644232
## 141	-0.5853046	-0.946636328	-0.5728042	-0.6419095
## 142	-0.5814395	-1.093792749	-0.5930114	-0.6403236
## 143	-0.5736050	-2.118120254	-0.6173053	-0.6591626
## 144	-0.5982312	-1.480154054	-0.5780791	-0.7347832
## 145	-0.5718414	-2.018660622	-0.6067513	-0.6934046
## 146	-0.5718922	-2.189953812	-0.6208633	-0.6760836
## 147	-0.5788209	-2.020679229	-0.6069274	-0.6835687
## 148	1.7386770	0.517862766	1.6094880	1.8897630
## 149	1.7013146	1.881864088	1.7605306	1.7218628
## 150	1.7024587	1.846105914	1.7628839	1.7184945
## 151	1.6803971	2.256171428	1.7690892	1.7128339
## 152	1.6780698	2.299427283	1.7858618	1.6471054
## 153	1.7241127	1.075574934	1.6944673	1.7857201
## 154	1.7456525	0.403090562	1.5890358	1.9213408
## 155	1.7601142	0.662048952	1.5996104	1.8153798
## 156	1.7011911	1.688654598	1.7361663	1.7043664
## 157	1.7051288	1.853026851	1.7465835	1.7118047
## 158	1.7483372	0.301583487	1.5622582	1.9529654
## 159	1.6543837	2.528394947	1.7669384	1.7111965
## 160	1.6832131	1.741138370	1.7308377	1.7207401
## 161	1.7042360	1.382403139	1.7205479	1.7550780
## 162	1.6742151	2.297697049	1.7712102	1.5450740
## 163	1.6929695	1.998366526	1.7519645	1.6659585

## 164	1.7091493	1.227835547	1.7026437	1.7610661	
## 165	1.7022130	1.300505385	1.7068706	1.6777475	
## 166	1.7138515	1.309733301	1.7221592	1.7354764	
## 167	1.7061002	1.811501229	1.7598037	1.7040389	
## 168	1.7227039	0.975221349	1.6806925	1.7428211	
## 169	1.7327607	0.512095319	1.6175071	1.8867690	
## 170	1.7349092	1.061444688	1.6885295	1.8231269	
## 171	1.6293861	3.268877525	1.8010957	1.6797591	
## 172	1.7287932	1.184637366	1.6828322	1.8503914	
## 173	1.6989279	2.085743355	1.7556038	1.6845917	
## 174	1.7351809	1.088090295	1.6937651	1.8111648	
## 175	1.7874866	0.751213690	1.6588785	1.8659745	
## 176	1.7438489	0.867889152	1.6448220	1.7849014	
## 177	1.7383423	1.068192602	1.6918982	1.8094806	
## 178	1.7225403	0.300429997	1.6719241	1.6880863	
## 179	1.7022251	1.061387014	1.7387533	1.6116447	
## 180	1.6676931	1.800658428	1.7456977	1.6153264	
## 181	1.6930275	0.953708770	1.7327960	1.6853963	
## 182	1.6966593	0.964205524	1.7050299	1.5910981	
## 183	1.7269258	0.944538528	1.7008810	1.7022238	
## 184	1.7321168	0.543239535	1.6930209	1.7137462	
## 185	1.7301406	0.982834379	1.7221359	1.6480457	
## 186	1.7203241	1.117907999	1.7278010	1.6664964	
## 187	1.6793372	1.620252672	1.7503652	1.6309890	
## 188	1.7318488	0.606969829	1.6855909	1.6543004	
## 189	1.6790641	0.493870185	1.7357286	1.5396239	
## 190	1.6929447	-0.042733126	1.7269474	1.5906630	
## 191	1.7283164	-0.782062215	1.6572762	1.6908651	
## 192	1.7379438	-0.575529921	1.6705391	1.6761522	
## 193	1.7019393	-0.481808900	1.6881442	1.6345912	
## 194	1.6871302	0.162184282	1.7256905	1.5358112	
## 195	1.6952048	0.187272678	1.7419789	1.4963600	
## 196	1.7020294	0.075614896	1.7398737	1.5748835	
## 197	1.6952220	0.258212282	1.7429007	1.5021142	
##	LZSE.H.ADC	LGLZE.H.ADC	HGLZE.H.ADC	SZLGE.H.ADC	SZHGE.H.ADC
## 1	-0.6981364044	0.0666177435	-0.5767674	0.155938519	-0.5473062
## 2	-0.6958561198	0.0001856309	-0.5725235	0.041762582	-0.5478138
## 3	0.1545871486	-0.0501129685	-0.6777485	-0.064694419	-0.7376807
## 4	-0.5155250452	-0.0861761153	-0.5757788	-0.097821522	-0.5824360
## 5	-0.5454259193	-0.0453678176	-0.6186968	0.006384122	-0.6369542
## 6	-0.4498939980	-0.1643129334	-0.5594243	-0.157321658	-0.5874992
## 7	-0.6917927556	-0.0260708707	-0.5515545	0.016354415	-0.4996411
## 8	-0.5006774781	-0.1855079407	-0.5787590	-0.225183976	-0.5869445
## 9	-0.7275743636	-0.0912376096	-0.5694315	-0.094283676	-0.5496940
## 10	-0.4771716877	0.0397285551	-0.6037413	0.107373543	-0.6403742
## 11	-0.6682869652	-0.0371428894	-0.5930348	-0.002299681	-0.5802532
## 12	-0.6601773818	-0.0564398364	-0.5688913	-0.036070029	-0.5411786
## 13	-0.1035136309	-0.0121517614	-0.6281675	0.015389548	-0.6620947
## 14	-0.6668467855	0.0153701138	-0.6061533	0.059773434	-0.6033254
## 15	-0.2813758260	-0.0010797426	-0.6239315	0.012494947	-0.6882725
## 16	-0.5633252958	-0.0899722360	-0.5480192	-0.107148570	-0.5348904
## 17	-0.6996794541	-0.1121162735	-0.5836648	-0.075307957	-0.5586972
## 18	-0.6357800516	0.0150537704	-0.5894711	0.052376119	-0.5806202
## 19	-0.3963844635	-0.0925029832	-0.5708830	-0.081418782	-0.5876093

## 20	-0.2528122616	-0.4449095229	-0.5506930	-0.416870902	-0.5745328
## 21	-0.2551782712	-0.1769666691	-0.5606680	-0.173724399	-0.5741949
## 22	-0.7025255235	-0.1643129334	-0.5617637	-0.074343090	-0.5479045
## 23	-0.7273171887	-0.0501129685	-0.5726493	-0.030602449	-0.5277854
## 24	-0.5520610330	0.0305545967	-0.5856528	0.076497796	-0.6009558
## 25	-0.4986715135	0.0587091586	-0.5512866	0.136962800	-0.5612462
## 26	-0.6040103728	-0.0333467687	-0.5857874	-0.030280827	-0.5756030
## 27	-0.5365791010	-0.0447351308	-0.5901702	-0.041859232	-0.6205687
## 28	-0.5496435885	-0.0497966251	-0.5543243	-0.001656437	-0.5573797
## 29	-0.5933461849	-0.0883905191	-0.5516883	-0.052472769	-0.5332192
## 30	-0.3758619025	-0.1114835867	-0.5918394	-0.145421631	-0.6002591
## 31	-0.9640553023	-0.1155960509	-0.5313549	-0.018702422	-0.4106055
## 32	-0.3610829154	-0.1393218053	-0.5776018	-0.130305380	-0.5749960
## 33	0.4256152555	-0.2756658077	-0.5790706	-0.315881481	-0.6774973
## 34	-0.5160393951	-0.0621340175	-0.5500852	-0.057940350	-0.5765837
## 35	-0.6816086276	-0.0118354180	-0.5770362	0.035330134	-0.5685594
## 36	-0.4812864869	-0.0516946855	-0.5640673	-0.037678141	-0.5764055
## 37	-0.4744627782	-0.4192857080	-0.5824467	-0.393392469	-0.6068248
## 38	-0.4333833663	0.0049307818	-0.5555225	0.053019364	-0.6022634
## 39	-0.5539812726	-0.0956664171	-0.6280702	-0.100716123	-0.6516152
## 40	-0.6430838202	-0.0817473078	-0.5644218	-0.089780963	-0.5424565
## 41	-0.1408725786	-0.2386536307	-0.5186191	-0.280503022	-0.5477699
## 42	-0.6632977712	-0.0668791683	-0.5553156	-0.016772688	-0.5121540
## 43	0.2783225893	-0.4714823679	-0.5538978	-0.432630397	-0.6102810
## 44	-0.9658212370	-0.1481794203	-0.5313567	-0.051829525	-0.4106073
## 45	-0.8947895159	0.2852110279	-0.5325507	0.388793106	-0.4257650
## 46	-0.5878769310	0.2111866740	-0.5639260	0.121846549	-0.5467568
## 47	-0.5099186313	0.3424691821	-0.6210443	0.362741695	-0.6528926
## 48	-0.5321556919	0.4066868908	-0.5965804	0.431247258	-0.6024924
## 49	-0.8484637349	0.2836293110	-0.5121551	0.385255261	-0.4000517
## 50	-0.4777203276	0.3538575442	-0.5703163	0.356309248	-0.5742157
## 51	-0.5337330316	0.3924514381	-0.5782585	0.410341805	-0.5872352
## 52	-0.4674676196	0.2500969113	-0.5612856	0.234735997	-0.5631328
## 53	-0.2960519432	0.3193761144	-0.5846453	0.293271266	-0.6304816
## 54	-0.6770309135	0.3994109928	-0.5735265	0.457298669	-0.5518652
## 55	-0.8947895159	0.2848946846	-0.5323825	0.388149862	-0.4255886
## 56	-0.7394215563	0.4171262228	-0.5608775	0.521623141	-0.5251588
## 57	-0.5054437871	0.3421528387	-0.5853267	0.341192997	-0.6146558
## 58	-0.4280684173	0.3832774797	-0.5816380	0.402301246	-0.5841694
## 59	-0.9411324418	0.3219068615	-0.5282756	0.426101300	-0.4073752
## 60	-0.2633907246	0.2156154815	-0.6025765	0.234092752	-0.6264464
## 61	-0.4900818701	0.0337180306	-0.5858791	0.081000509	-0.5979248
## 62	-0.6062906574	0.4057378606	-0.5945131	0.433176992	-0.5947247
## 63	-0.0044669853	0.1767052442	-0.6085860	0.085503222	-0.7195860
## 64	-0.2361301799	0.3089367824	-0.6107371	0.303563181	-0.6490666
## 65	-0.6304136677	0.3345605972	-0.5683141	0.353414647	-0.5562348
## 66	-0.3878462552	0.3487960499	-0.5966609	0.368209276	-0.6391937
## 67	-0.5392880105	0.4101666681	-0.5848231	0.436393216	-0.5875863
## 68	-0.4876129906	0.3725218044	-0.5945782	0.381074170	-0.6200824
## 69	-0.5755839684	0.2152991381	-0.5464276	0.155938519	-0.5191124
## 70	-0.8440917608	0.3918187514	-0.6071940	0.497179841	-0.5735801
## 71	-0.7150790901	0.4919414352	-0.5675174	0.510430682	-0.5265297
## 72	-0.1462492495	0.3905217434	-0.6475522	0.370750092	-0.7065786
## 73	-0.7500223077	0.5082963886	-0.5689230	0.561182691	-0.5116608

## 74	-0.3398299776	0.4756181161	-0.6068390	0.492870102	-0.6541684
## 75	-0.6980163894	0.4435408961	-0.5459541	0.439995386	-0.4912179
## 76	-0.7533570096	0.5941836198	-0.5627813	0.690603528	-0.4975349
## 77	-0.6058500310	0.5737162023	-0.5605700	0.669762399	-0.5310987
## 78	-0.6847718795	0.5084545603	-0.5664242	0.537350474	-0.5276006
## 79	-0.5956436145	-0.1548226316	-0.5464475	-0.220359641	-0.5191332
## 80	-0.4170904759	-0.0191429504	-0.5623364	-0.029573257	-0.5862718
## 81	-0.3257299323	-0.1081936155	-0.6257607	-0.173724399	-0.6793002
## 82	-0.4334159417	-0.0219584066	-0.5963750	-0.021436212	-0.5966236
## 83	0.0328353839	-0.0520426632	-0.6651352	-0.068103616	-0.7405643
## 84	-0.6192951373	0.1538336169	-0.5800770	0.243966558	-0.5674981
## 85	-0.6427837827	0.0492504912	-0.5910005	0.090874316	-0.5893512
## 86	-0.4790747823	0.0606704877	-0.6026827	0.081096996	-0.6281837
## 87	-0.5298153999	0.0207479515	-0.5747222	0.001463300	-0.5755897
## 88	-0.2833354991	-0.1279967119	-0.5969052	-0.122940228	-0.6364024
## 89	-0.5574222735	0.0961958507	-0.5716814	0.146289848	-0.5950716
## 90	-0.3168196776	-0.7458153582	-0.5969383	-0.751068694	-0.6364372
## 91	-0.5761428953	-0.6883673980	-0.5723377	-0.705173184	-0.5720195
## 92	-0.8084867463	-0.5704345812	-0.5689809	-0.535549552	-0.5117215
## 93	-0.7336351199	-0.3931241094	-0.5664725	-0.379273248	-0.5276514
## 94	-0.6986644703	-0.5716999547	-0.6061848	-0.537029015	-0.6033584
## 95	-0.4672173026	-0.7269296576	-0.5526544	-0.765638187	-0.5736686
## 96	-0.3132037978	-0.5881814455	-0.6239630	-0.584468313	-0.6883056
## 97	-0.5863664568	-0.5785962407	-0.5783106	-0.577006674	-0.5872899
## 98	-0.3110949632	-0.5492712082	-0.6239609	-0.544908763	-0.6883034
## 99	-0.6006328085	0.5101311803	-0.5945075	0.539312370	-0.5947188
## 100	-0.0006487945	-0.6698613095	-0.6651683	-0.696232082	-0.7405991
## 101	-0.6762679612	-0.5685681551	-0.5910336	-0.537254150	-0.5893860
## 102	-0.8119328906	-0.6340196031	-0.5689843	-0.600195646	-0.5117251
## 103	-0.8026403024	-0.4625614842	-0.5689751	-0.425876328	-0.5117154
## 104	-0.6965556357	-0.5327897174	-0.6061827	-0.497469465	-0.6033562
## 105	-0.7976682534	-0.3708219002	-0.5689702	-0.332605844	-0.5117102
## 106	-0.4418427076	-0.2587414361	-0.5526293	-0.289637097	-0.5736422
## 107	-0.6087801109	0.4091227349	-0.5823398	0.449869192	-0.5795477
## 108	-0.5253937052	0.2480090449	-0.5722874	0.246828997	-0.5719668
## 109	-0.7095824041	0.4610346857	-0.5865097	0.562919451	-0.5544620
## 110	-0.4192456020	0.2830598929	-0.5737080	0.288318282	-0.5878990
## 111	-0.5259269146	0.3526870736	-0.6200388	0.372937124	-0.6401239
## 112	-0.5596528375	0.3338962761	-0.5651251	0.383582824	-0.5533209
## 113	-0.8048862970	-0.5040024687	-0.5689773	-0.468008857	-0.5117177
## 114	-0.3132192283	-0.6793832457	-0.5969348	-0.683527999	-0.6364334
## 115	-0.8082209988	-0.4181152375	-0.5628356	-0.338588020	-0.4975919
## 116	-0.6726675119	-0.5021360426	-0.5910301	-0.469713455	-0.5893823
## 117	-0.7257912840	-0.5939072609	-0.5836907	-0.565138809	-0.5587243
## 118	-0.6943987951	-0.5189338768	-0.5930607	-0.492130534	-0.5802803
## 119	-0.6369116214	-0.6935554297	-0.5639745	-0.797993397	-0.5468078
## 120	-0.3972297118	-2.2294658709	-0.5970179	-2.259477556	-0.6365206
## 121	-0.6565529295	-2.1720179107	-0.5724173	-2.213582045	-0.5721030
## 122	-0.8888967805	-2.0540850938	-0.5690605	-2.043958413	-0.5118050
## 123	-0.8140451542	-1.8767746221	-0.5665521	-1.887682109	-0.5277349
## 124	-0.7790745045	-2.0553504674	-0.6062644	-2.045437876	-0.6034419
## 125	-0.5476273369	-2.2105801703	-0.5527340	-2.274047049	-0.5737521
## 126	-0.3936138320	-2.0718319582	-0.6240426	-2.092877174	-0.6883891
## 127	-0.6667764910	-2.0622467534	-0.5783902	-2.085415535	-0.5873734

## 128	-0.3915049975	-2.0329217209	-0.6240405	-2.053317624	-0.6883869
## 129	-0.6810428427	-0.9735193324	-0.5945871	-0.969096491	-0.5948023
## 130	-0.0810588288	-2.1535118222	-0.6652479	-2.204640944	-0.7406826
## 131	-0.7566779954	-2.0522186678	-0.5911132	-2.045663012	-0.5894695
## 132	-0.8923429248	-2.1176701158	-0.5690639	-2.108604508	-0.5118085
## 133	-0.8830503367	-1.9462119969	-0.5690547	-1.934285189	-0.5117989
## 134	-0.7769656699	-2.0164402301	-0.6062623	-2.005878326	-0.6034397
## 135	-0.8780782876	-1.8544724129	-0.5690498	-1.841014705	-0.5117937
## 136	-0.5222527418	-1.7423919488	-0.5527088	-1.798045958	-0.5737257
## 137	-0.6891901451	-1.0745277777	-0.5824194	-1.058539669	-0.5796312
## 138	-0.6058037395	-1.2356414677	-0.5723670	-1.261579864	-0.5720503
## 139	-0.7899924384	-1.0226158270	-0.5865893	-0.945489410	-0.5545455
## 140	-0.4996556363	-1.2005906198	-0.5737876	-1.220090580	-0.5879825
## 141	-0.6063369489	-1.1309634390	-0.6201184	-1.135471737	-0.6402074
## 142	-0.6400628718	-1.1497542366	-0.5652047	-1.124826037	-0.5534044
## 143	-0.8852963312	-1.9876529813	-0.5690569	-1.976417718	-0.5118012
## 144	-0.3936292625	-2.1630337584	-0.5970144	-2.191936861	-0.6365169
## 145	-0.7530775461	-1.9857865553	-0.5911097	-1.978122317	-0.5894658
## 146	-0.8062013182	-2.0775577736	-0.5837703	-2.073547670	-0.5588078
## 147	-0.7748088294	-2.0025843895	-0.5931403	-2.000539395	-0.5803638
## 148	0.9859651807	1.4088627595	1.8487033	1.527336256	2.0669002
## 149	1.7274519955	1.5493192260	1.7323810	1.469444231	1.7185724
## 150	1.6154265874	1.6265070138	1.7164965	1.577509344	1.6925333
## 151	1.7479574114	1.3417979602	1.7504423	1.226297728	1.7407380
## 152	2.0907887643	1.4803563663	1.7037229	1.343368267	1.6060405
## 153	1.3288308235	1.6404261231	1.7259606	1.671423072	1.7632733
## 154	0.8933136189	1.4113935067	1.8082484	1.533125458	2.0158265
## 155	1.2040495380	1.6758565831	1.7512586	1.800072016	1.8166862
## 156	1.6720050763	1.5259098149	1.7023602	1.439211729	1.6376921
## 157	1.8267558160	1.6081590970	1.7097375	1.561428226	1.6986648
## 158	0.8006277670	1.4854178606	1.8164624	1.609028335	2.0522532
## 159	2.1561112015	1.2728351006	1.6678606	1.225011239	1.6141109
## 160	1.7027289103	0.9090401987	1.7012554	0.918826753	1.6711540
## 161	1.4703113358	1.6530798588	1.6839873	1.623179719	1.6775544
## 162	2.6739586800	1.1950146259	1.6558415	0.927832179	1.4278317
## 163	2.2106322908	1.4594777024	1.6515394	1.363952098	1.5688704
## 164	1.4220653153	1.5107253320	1.7363854	1.463655029	1.7545341
## 165	1.9072001402	1.5391962374	1.6796916	1.493244286	1.5886163
## 166	1.6043166296	1.6619374738	1.7033674	1.629612166	1.6918312
## 167	1.7076666693	1.5866477463	1.6838572	1.518974074	1.6268390
## 168	1.5317247138	1.2722024138	1.7801583	1.068702772	1.8287789
## 169	0.9947091290	1.6252416403	1.6586256	1.751185417	1.7198435
## 170	1.2527344704	1.8254870080	1.7379788	1.777687100	1.8139443
## 171	2.3903941516	1.6226476244	1.5779091	1.498325919	1.4538465
## 172	1.1828480351	1.8581969148	1.7351675	1.879191116	1.8436822
## 173	2.0032326954	1.7928403698	1.6593356	1.742565938	1.5586669
## 174	1.2868598718	1.7286859297	1.7811053	1.636816507	1.8845679
## 175	1.1761786314	2.0299713771	1.7474509	2.138032790	1.8719339
## 176	1.4711925887	1.9890365421	1.7518735	2.096350532	1.8048063
## 177	1.3133488916	1.8585132582	1.7401652	1.831526682	1.8118025
## 178	1.4916054217	0.5319588744	1.7801186	0.316106453	1.8287372
## 179	1.8487116987	0.8033182368	1.7483407	0.697679220	1.6944602
## 180	2.0314327859	0.6252169066	1.6214922	0.409376937	1.5084034
## 181	1.8160607671	0.7976873244	1.6802635	0.713953311	1.6737566

## 182	2.7485634184	0.7375188111	1.5427432	0.620618503	1.3858751
## 183	1.4443023759	1.1492713713	1.7128596	1.244758851	1.7320074
## 184	1.3973250851	0.9401051199	1.6910125	0.938574366	1.6883013
## 185	1.7247430860	0.9629451129	1.6676482	0.919019727	1.6106364
## 186	1.6232618509	0.8831000405	1.7235692	0.759752335	1.7158244
## 187	2.1162216523	0.5856107138	1.6792031	0.510945278	1.5941989
## 188	1.5680481037	1.0339958389	1.7296508	1.049405431	1.6768605
## 189	2.0492532954	-0.6500265788	1.6791368	-0.745311654	1.5941294
## 190	1.5306068600	-0.5351306585	1.7283382	-0.653520633	1.7229647
## 191	1.0659191580	-0.2992650248	1.7350517	-0.314273369	1.8435608
## 192	1.2156224107	0.0553559187	1.7400685	-0.001720761	1.8117010
## 193	1.2855637100	-0.3017957719	1.6606440	-0.317232295	1.6602869
## 194	1.7484580453	-0.6122551777	1.7677048	-0.774450640	1.7196666
## 195	2.0564850550	-0.3347587535	1.6250876	-0.412110891	1.4903926
## 196	1.5101597370	-0.3155883438	1.7163923	-0.397187613	1.6924240
## 197	2.0607027242	-0.2569382788	1.6250917	-0.332991791	1.4903970
##	LZLGE.H.ADC	LZHGE.H.ADC	GLNU_area.H.ADC	ZSNU.H.ADC	ZSP.H.ADC
## 1	-0.535357356	-0.67685428	-0.664270511	-0.67259767	-0.5168683
## 2	-0.454717782	-0.71750824	-0.575168831	-0.57784063	-0.5216097
## 3	-0.126956932	0.91509969	-0.466766013	-0.48469503	-0.6662111
## 4	-0.206512641	-0.54880528	-0.144144663	-0.13887111	-0.5778396
## 5	-0.216050655	-0.47999494	-0.547838927	-0.55192687	-0.5613757
## 6	0.294449874	-0.55990654	-0.533356228	-0.54360260	-0.5982111
## 7	-0.470758987	-0.75958192	-0.619735156	-0.62334876	-0.5130323
## 8	0.172840194	-0.53381163	-0.540426605	-0.54678462	-0.5771010
## 9	-0.401174839	-0.72255886	-0.660436314	-0.66919511	-0.5103637
## 10	-0.448214590	-0.45252006	-0.563061566	-0.57204317	-0.5918495
## 11	-0.362155690	-0.66812517	-0.499956567	-0.49594550	-0.5257078
## 12	-0.278481293	-0.70762580	-0.265576022	-0.24705006	-0.5295200
## 13	-0.299725052	0.45656843	-0.022578803	-0.02711169	-0.6164381
## 14	-0.444746222	-0.65034680	-0.429802178	-0.42195719	-0.5255649
## 15	-0.281516116	-0.17506342	0.763171930	0.73616502	-0.6347129
## 16	-0.180066329	-0.64991511	-0.407912916	-0.40868895	-0.5650449
## 17	-0.152319379	-0.71630677	-0.580511318	-0.58216691	-0.5132944
## 18	-0.424369555	-0.63383110	0.154124331	0.19035391	-0.5399798
## 19	0.062719485	-0.43146960	-0.227761422	-0.23348571	-0.6067647
## 20	-0.185702428	-0.44354621	0.568666222	0.54535592	-0.6273029
## 21	2.133769192	-0.49883160	0.050354006	0.05251549	-0.6039770
## 22	-0.706391291	-0.70041456	-0.690142163	-0.70070907	-0.5209188
## 23	-0.365624059	-0.73597980	-0.421339966	-0.40889127	-0.5043595
## 24	-0.390769732	-0.57763265	-0.069073809	-0.05970725	-0.5693575
## 25	-0.476395087	-0.59426472	-0.541118299	-0.54886301	-0.5843204
## 26	-0.329639733	-0.60795234	0.344436237	0.38877004	-0.5477948
## 27	-0.367358243	-0.55227488	-0.561941290	-0.57083632	-0.5775061
## 28	-0.155137429	-0.63711540	-0.566331147	-0.57355430	-0.5681424
## 29	-0.116768599	-0.66560874	-0.586170282	-0.59270746	-0.5547520
## 30	-0.138012358	-0.21600922	-0.404677632	-0.41230664	-0.5961858
## 31	-0.689049447	-0.96145098	-0.692940036	-0.70253294	-0.4056236
## 32	0.247843669	-0.30338300	0.009898813	0.02178293	-0.5911823
## 33	2.620207913	0.33185363	0.622281771	0.51242905	-0.7505322
## 34	-0.394671647	-0.58189048	-0.632988675	-0.64541867	-0.5931361
## 35	-0.465339661	-0.69866823	-0.556020238	-0.55868196	-0.5278045
## 36	-0.183968244	-0.56547185	-0.256365041	-0.25694741	-0.5867983
## 37	-0.514763916	-0.52757615	0.046426772	0.03969858	-0.5886806

## 38	-0.439760441	-0.50236683	-0.662285523	-0.67519433	-0.6128165
## 39	-0.092490017	-0.48884473	0.305450556	0.33931826	-0.5608992
## 40	-0.354135087	-0.68523397	-0.449596394	-0.44749249	-0.5390505
## 41	0.962544410	-0.39945780	0.955938229	0.89786784	-0.6608026
## 42	-0.252034981	-0.72369654	-0.531493709	-0.53018985	-0.5244927
## 43	0.948887708	-0.23908944	0.498188446	0.44283756	-0.6813170
## 44	-0.711377071	-0.96145221	-0.692953217	-0.70253319	-0.4080777
## 45	-0.413747676	-0.92503456	-0.690113753	-0.70012880	-0.3950448
## 46	0.179776932	-0.65518712	-0.558406933	-0.56362883	-0.5177260
## 47	0.046461507	-0.46786867	-0.612830759	-0.62120565	-0.5388599
## 48	-0.036996117	-0.54377693	-0.389608177	-0.38643592	-0.5302825
## 49	-0.409845761	-0.92227361	-0.691266662	-0.70059517	-0.4159404
## 50	0.125800442	-0.56379854	0.091835543	0.10740545	-0.5453883
## 51	0.006358493	-0.59446006	0.103917342	0.11831452	-0.5366917
## 52	0.510139058	-0.56523134	0.338910749	0.35506215	-0.5496056
## 53	0.287946683	-0.34375107	1.047285963	1.02067099	-0.6008558
## 54	-0.083602322	-0.73095706	-0.549975179	-0.55072562	-0.4865613
## 55	-0.414181222	-0.92491638	-0.690344233	-0.70012880	-0.3950448
## 56	-0.320752038	-0.75824449	-0.681423878	-0.69235114	-0.4636881
## 57	0.058167251	-0.56586575	-0.429698136	-0.43501836	-0.5462222
## 58	0.064236897	-0.42084579	-0.173975286	-0.17073363	-0.5556336
## 59	-0.389252321	-0.95928725	-0.694979797	-0.70540569	-0.3737679
## 60	1.576012138	-0.27370533	1.991781002	2.03752382	-0.5700961
## 61	-0.291704449	-0.53940978	0.681340649	0.69005407	-0.5422671
## 62	-0.073413989	-0.62672768	-0.297143239	-0.28807862	-0.5111500
## 63	0.674669802	0.01132258	-0.219482468	-0.26587200	-0.6800065
## 64	0.495181717	-0.09868360	-0.049363670	-0.06568234	-0.5963288
## 65	0.102605726	-0.70092408	-0.555543922	-0.55891602	-0.5040498
## 66	0.151813208	-0.41567702	-0.515386138	-0.52619403	-0.5755047
## 67	-0.058456649	-0.57900097	-0.254741064	-0.24710234	-0.5305684
## 68	0.064887216	-0.51998588	0.418603602	0.43357282	-0.5502965
## 69	0.155715123	-0.67083947	-0.605944406	-0.61332295	-0.5213715
## 70	-0.340911931	-0.79123030	-0.680764177	-0.68956085	-0.4178941
## 71	-0.033917940	-0.77431724	-0.477610224	-0.47032229	-0.4622324
## 72	0.672827231	0.11878053	2.860418576	2.82429331	-0.5958332
## 73	-0.114839319	-0.79827464	-0.579966793	-0.57900477	-0.4462569
## 74	0.291003183	-0.29029951	-0.017003175	-0.02891507	-0.5747923
## 75	-0.009791099	-0.79366280	-0.459572398	-0.45233847	-0.4695756
## 76	-0.169314386	-0.77586778	-0.664787112	-0.67080939	-0.4410080
## 77	-0.183079475	-0.63290315	-0.660637078	-0.67109652	-0.4980360
## 78	-0.049915791	-0.73798562	-0.437505062	-0.42949727	-0.4731281
## 79	-0.097909344	-0.67085343	-0.606094135	-0.61332575	-0.5492482
## 80	-0.045450266	-0.48709226	-0.257958484	-0.26907367	-0.6063001
## 81	0.180557315	-0.19766298	2.618738889	2.58811565	-0.6152087
## 82	0.006575266	-0.30556166	-0.031327879	-0.01543985	-0.5680614
## 83	0.079129205	0.64743158	-0.422774261	-0.44211279	-0.6504668
## 84	-0.473620392	-0.60662781	-0.604951618	-0.61094939	-0.5380808
## 85	-0.393002495	-0.65103660	-0.498693000	-0.49901438	-0.5308495
## 86	-0.306986949	-0.43867156	-0.263453194	-0.26625631	-0.5835841
## 87	-0.265041364	-0.54469900	-0.239838192	-0.23708062	-0.5679851
## 88	1.010993187	-0.26946639	0.041038433	0.03283963	-0.6100051
## 89	-0.404946690	-0.60096509	-0.602290267	-0.61172969	-0.5659551
## 90	0.587635423	-0.26948968	0.040788502	0.03283495	-0.6565377
## 91	-0.245726886	-0.60203150	0.693715979	0.73637392	-0.6049610

## 92	-0.854035415	-0.79831530	-0.580403180	-0.57901294	-0.5275043
## 93	-0.667718979	-0.73801961	-0.437869785	-0.42950410	-0.5410329
## 94	-0.847077000	-0.65036893	-0.430039747	-0.42196164	-0.5697864
## 95	-0.188412091	-0.55789169	-0.278463513	-0.28682104	-0.6434190
## 96	-0.683803540	-0.17508555	0.762934374	0.73616057	-0.6789439
## 97	-0.659091412	-0.59449667	0.103524491	0.11830716	-0.6098430
## 98	-0.657140455	-0.17508409	0.762950114	0.73616086	-0.6760133
## 99	-0.001878883	-0.62672375	-0.297101008	-0.28807783	-0.5032874
## 100	-0.344228559	0.64740829	-0.423024193	-0.44211747	-0.6969994
## 101	-0.816360259	-0.65105989	-0.498942931	-0.49901906	-0.5773822
## 102	-0.897606797	-0.79831770	-0.580428903	-0.57901342	-0.5322934
## 103	-0.780115805	-0.79831124	-0.580359542	-0.57901212	-0.5193796
## 104	-0.820413915	-0.65036746	-0.430024006	-0.42196134	-0.5668557
## 105	-0.717251621	-0.79830778	-0.580322429	-0.57901143	-0.5124700
## 106	0.132412020	-0.55787404	-0.278274113	-0.28681749	-0.6081561
## 107	-0.154357046	-0.64336993	-0.400236292	-0.39782343	-0.5172257
## 108	0.395921338	-0.60199620	0.694094779	0.73638101	-0.5344354
## 109	-0.277939361	-0.73565709	-0.449710316	-0.43739246	-0.4730995
## 110	0.317319431	-0.45729503	0.135283052	0.13859894	-0.5644064
## 111	-0.014408365	-0.46173194	0.400800273	0.43635026	-0.5317240
## 112	0.071780599	-0.62930354	-0.550370795	-0.55467004	-0.5261701
## 113	-0.808513074	-0.79831280	-0.580376306	-0.57901244	-0.5225008
## 114	0.633157763	-0.26948718	0.040815376	0.03283545	-0.6515342
## 115	-0.862988142	-0.77590594	-0.665196626	-0.67081706	-0.5172519
## 116	-0.770837919	-0.65105738	-0.498916057	-0.49901856	-0.5723787
## 117	-0.482464732	-0.71632494	-0.580706220	-0.58217056	-0.5495817
## 118	-0.692301043	-0.66814333	-0.500151469	-0.49594915	-0.5619952
## 119	-0.440193987	-0.65522123	-0.558772936	-0.56363569	-0.5858691
## 120	-0.429030175	-0.26954561	0.040188308	0.03282370	-0.7682827
## 121	-1.262392484	-0.60208743	0.693115786	0.73636268	-0.7167061
## 122	-1.870701013	-0.79837123	-0.581003374	-0.57902418	-0.6392494
## 123	-1.684384577	-0.73807553	-0.438469978	-0.42951534	-0.6527779
## 124	-1.863742598	-0.65042485	-0.430639940	-0.42197288	-0.6815314
## 125	-1.205077690	-0.55794761	-0.279063706	-0.28683228	-0.7551640
## 126	-1.700469138	-0.17514148	0.762334181	0.73614933	-0.7906889
## 127	-1.675757010	-0.59455259	0.102924297	0.11829592	-0.7215881
## 128	-1.673806053	-0.17514001	0.762349921	0.73614962	-0.7877583
## 129	-1.018544481	-0.62677967	-0.297701201	-0.28808907	-0.6150324
## 130	-1.360894157	0.64735236	-0.423624386	-0.44212871	-0.8087444
## 131	-1.833025857	-0.65111581	-0.499543124	-0.49903030	-0.6891272
## 132	-1.914272396	-0.79837363	-0.581029096	-0.57902466	-0.6440384
## 133	-1.796781403	-0.79836716	-0.580959735	-0.57902336	-0.6311246
## 134	-1.837079513	-0.65042339	-0.430624199	-0.42197258	-0.6786008
## 135	-1.733917219	-0.79836370	-0.580922623	-0.57902267	-0.6242150
## 136	-0.884253578	-0.55792996	-0.278874306	-0.28682873	-0.7199012
## 137	-1.171022644	-0.64342586	-0.400836485	-0.39783467	-0.6289707
## 138	-0.620744260	-0.60205213	0.693494586	0.73636977	-0.6461804
## 139	-1.294604959	-0.73571302	-0.450310509	-0.43740370	-0.5848446
## 140	-0.699346167	-0.45735096	0.134682859	0.13858770	-0.6761514
## 141	-1.031073963	-0.46178787	0.400200080	0.43633901	-0.6434690
## 142	-0.944884999	-0.62935947	-0.550970988	-0.55468128	-0.6379151
## 143	-1.825178673	-0.79836872	-0.580976499	-0.57902368	-0.6342459
## 144	-0.383507835	-0.26954310	0.040215183	0.03282421	-0.7632792
## 145	-1.787503517	-0.65111331	-0.499516250	-0.49902980	-0.6841237

## 146	-1.499130330	-0.71638086	-0.581306414	-0.58218180	-0.6613268
## 147	-1.708966641	-0.66819926	-0.500751663	-0.49596039	-0.6737402
## 148	0.366852073	0.76228797	-0.667198021	-0.67493023	1.9623943
## 149	1.438144479	1.47923810	0.899006390	0.94107101	1.7034985
## 150	1.199260579	1.41791507	0.923169987	0.96288914	1.7208916
## 151	2.206821709	1.47637250	1.393156800	1.43638441	1.6950640
## 152	1.762436960	1.91933304	2.809907229	2.76760208	1.5925635
## 153	1.019338949	1.14492107	-0.384615056	-0.37519114	1.8211524
## 154	0.358181151	0.75700242	-0.665353162	-0.67399749	2.0041855
## 155	0.545039519	1.09034620	-0.647512453	-0.65844218	1.8668988
## 156	1.302878097	1.47510369	-0.144060968	-0.14377661	1.7018306
## 157	1.315017387	1.76514360	0.367384731	0.38479285	1.6830079
## 158	0.408038952	0.68826068	-0.674624291	-0.68455126	2.0467392
## 159	4.338567870	2.05942452	4.698897307	4.80130774	1.6540829
## 160	0.603134696	1.52801563	2.078016600	2.10636824	1.7097409
## 161	1.039715616	1.35337982	0.121048825	0.15010287	1.7719751
## 162	2.535883197	2.62948034	0.276370366	0.19451611	1.4342620
## 163	2.176907029	2.40946798	0.616607962	0.59489543	1.6016175
## 164	1.391755047	1.20498703	-0.395752542	-0.39157194	1.7861755
## 165	1.490170011	1.77548113	-0.315436972	-0.32612796	1.6432657
## 166	1.069630296	1.44883324	0.205853174	0.23205542	1.7331383
## 167	1.316318026	1.56686343	1.552542506	1.59340575	1.6936821
## 168	1.497973840	1.26515623	-0.496553510	-0.50038579	1.7515322
## 169	0.504719732	1.02437458	-0.646193052	-0.65286159	1.9584868
## 170	1.118707714	1.05820071	-0.239885145	-0.21438448	1.8698103
## 171	2.532198055	2.84439624	6.436172454	6.37484672	1.6026087
## 172	0.956864956	1.01028591	-0.444598282	-0.43174943	1.9017613
## 173	1.768549960	2.02623616	0.681328952	0.66842997	1.6446906
## 174	1.166961395	1.01950958	-0.203809493	-0.17841683	1.8551239
## 175	0.847914822	1.05509961	-0.614238922	-0.61535867	1.9122592
## 176	0.820384645	1.34102888	-0.605938852	-0.61593294	1.7982030
## 177	1.086712012	1.13086394	-0.159674820	-0.13273443	1.8480189
## 178	0.990724907	1.26512833	-0.496852967	-0.50039140	1.6957788
## 179	1.095643062	1.63265066	0.199418336	0.18811277	1.5816749
## 180	1.547658223	2.21150923	5.952813081	5.90249140	1.5638577
## 181	1.199694125	1.99571186	0.652679545	0.69538041	1.6581524
## 182	1.344802004	3.90169834	-0.130213220	-0.15796547	1.4933415
## 183	0.239302811	1.39357956	-0.494567933	-0.49563866	1.7181135
## 184	0.400538604	1.30476199	-0.282050697	-0.27176865	1.7325760
## 185	0.572569696	1.72949207	0.188428914	0.19374748	1.6271068
## 186	0.656460866	1.51743719	0.235658919	0.25209886	1.6583049
## 187	3.208529967	2.06790240	0.797412168	0.79193936	1.5742650
## 188	0.376650214	1.40490501	-0.489245230	-0.49719928	1.6623649
## 189	2.361814439	2.06785582	0.796912306	0.79193000	1.4811997
## 190	0.695089823	1.40277219	2.102767260	2.19900794	1.5843530
## 191	-0.521527235	1.01020458	-0.445471058	-0.43176578	1.7392664
## 192	-0.148894365	1.13079597	-0.160404266	-0.13274809	1.7122093
## 193	-0.507610406	1.30609733	-0.144744190	-0.11766317	1.6547023
## 194	0.809719411	1.49105181	0.158408277	0.15261804	1.5074371
## 195	-0.181063485	2.25666408	2.241204050	2.19858124	1.4363873
## 196	-0.131639230	1.41784185	0.922384284	0.96287442	1.5745890
## 197	-0.127737315	2.25666701	2.241235531	2.19858183	1.4422486
##	GLNU_norm.H.ADC	ZSNU_norm.H.ADC	GLVAR_area.H.ADC	ZSVAR.H.ADC	
## 1	-0.03152093	-0.4954016	-0.5622214	-0.647427917	

## 2	-0.04041668	-0.5166242	-0.5370231	-0.676513216
## 3	-0.03316829	-0.6745847	-0.6936563	2.359510194
## 4	-0.04239351	-0.5900432	-0.5806360	-0.246122169
## 5	-0.03876932	-0.5486951	-0.5619809	-0.248977168
## 6	-0.03975773	-0.6317154	-0.6210024	-0.098375989
## 7	-0.03975773	-0.4765481	-0.5388581	-0.581316855
## 8	-0.03876932	-0.5799929	-0.6200883	-0.162078147
## 9	-0.02657885	-0.4994665	-0.5520309	-0.744497872
## 10	-0.04041668	-0.6147323	-0.6094100	-0.179297357
## 11	-0.04239351	-0.5028831	-0.5562628	-0.569004673
## 12	-0.04305245	-0.5141054	-0.5542319	-0.560082802
## 13	-0.04008720	-0.6214906	-0.6016032	1.526118244
## 14	-0.04140509	-0.5062748	-0.5778532	-0.560082802
## 15	-0.04206404	-0.6720908	-0.6048694	0.417397361
## 16	-0.04239351	-0.5802922	-0.5677867	-0.376024608
## 17	-0.03811037	-0.4854012	-0.5690069	-0.624587928
## 18	-0.04338192	-0.5392434	-0.5635952	-0.525733600
## 19	-0.04173456	-0.6254808	-0.5841379	0.097102200
## 20	-0.03481565	-0.6403192	-0.6519127	0.641068662
## 21	-0.04140509	-0.6100937	-0.6010688	0.859029965
## 22	-0.01900100	-0.5213875	-0.5763231	-0.705241640
## 23	-0.04008720	-0.4715853	-0.5483714	-0.692037271
## 24	-0.04305245	-0.5872251	-0.5589433	-0.357199461
## 25	-0.04107562	-0.6054053	-0.5284764	-0.219445776
## 26	-0.04305245	-0.5432585	-0.5688067	-0.430537239
## 27	-0.03876932	-0.6065774	-0.5800300	-0.352560088
## 28	-0.03811037	-0.5797685	-0.5387852	-0.333288847
## 29	-0.03942826	-0.5651545	-0.5460179	-0.438031610
## 30	-0.03712196	-0.6067270	-0.6279693	0.306409288
## 31	0.01361672	-0.2806811	-0.5168962	-1.135811124
## 32	-0.04041668	-0.5756786	-0.6022460	0.431137042
## 33	-0.03712196	-0.7875810	-0.7002738	2.819878726
## 34	-0.03547460	-0.6609433	-0.5563982	-0.393957568
## 35	-0.04008720	-0.5303155	-0.5655521	-0.656617444
## 36	-0.04239351	-0.6021383	-0.5791537	-0.152442526
## 37	-0.03448618	-0.6069265	-0.6225187	-0.134866441
## 38	-0.02624938	-0.6659310	-0.6032191	-0.154583775
## 39	-0.04140509	-0.5533586	-0.6113508	-0.289125587
## 40	-0.04074615	-0.5397422	-0.5779277	-0.555443430
## 41	-0.03843984	-0.6955330	-0.6802996	0.879371830
## 42	-0.03909879	-0.4949277	-0.5390063	-0.532425003
## 43	-0.03415671	-0.6964308	-0.6826768	2.841648091
## 44	-0.02031889	-0.2832498	-0.5169036	-1.145000651
## 45	0.45280284	-0.2918785	-0.4939649	-0.936853406
## 46	0.40206416	-0.5203899	-0.5792088	-0.362641802
## 47	0.40239363	-0.5417373	-0.6212473	-0.150479715
## 48	0.39876944	-0.5214374	-0.5802583	-0.186880947
## 49	0.42611562	-0.3355957	-0.5082921	-0.858697818
## 50	0.39778103	-0.5477974	-0.5924939	-0.043863359
## 51	0.39745155	-0.5544809	-0.5770517	-0.254330291
## 52	0.39876944	-0.5597429	-0.6098478	-0.030123678
## 53	0.39778103	-0.6367779	-0.6197734	0.361457231
## 54	0.40074627	-0.4722337	-0.5716709	-0.550893276
## 55	0.44753129	-0.2918785	-0.4974105	-0.936853406

## 56	0.43995344	-0.4352749	-0.4929206	-0.680349621
## 57	0.39876944	-0.5718630	-0.5624237	-0.195892037
## 58	0.39843997	-0.5598426	-0.5849982	0.117711721
## 59	0.46894697	-0.2473384	-0.5131354	-1.016525712
## 60	0.40107575	-0.5599923	-0.6256671	0.836011538
## 61	0.40700624	-0.5506902	-0.6024642	-0.078926311
## 62	0.39942839	-0.5093921	-0.5819138	-0.399221472
## 63	0.40272311	-0.7508965	-0.6896127	1.031935821
## 64	0.40305258	-0.6144081	-0.6353327	0.718956593
## 65	0.40074627	-0.5030328	-0.5812776	-0.461496130
## 66	0.40107575	-0.6016396	-0.6234672	0.135823119
## 67	0.39778103	-0.5320861	-0.5764040	-0.226761710
## 68	0.39745155	-0.5709153	-0.5977398	-0.141557844
## 69	0.40305258	-0.5239312	-0.5655651	-0.331593692
## 70	0.42908086	-0.3396607	-0.5573733	-0.851381884
## 71	0.51167948	-0.4368809	-0.5383828	-0.609857920
## 72	0.51411757	-0.6075500	-0.6746889	1.109805909
## 73	0.51411757	-0.4005256	-0.5529957	-0.657634538
## 74	0.51184422	-0.6041359	-0.6112616	0.313073926
## 75	0.51088875	-0.4524724	-0.5374672	-0.583627619
## 76	0.51319505	-0.3777916	-0.5128313	-0.631546987
## 77	0.53438010	-0.4818575	-0.5431004	-0.352292432
## 78	0.51204190	-0.4537618	-0.5538944	-0.545183278
## 79	0.01757039	-0.5531092	-0.5656484	-0.435979580
## 80	0.02995853	-0.6461847	-0.5769325	-0.057406759
## 81	0.03424167	-0.6409227	-0.6730671	0.329971949
## 82	0.03147410	-0.5558300	-0.6012256	0.223560796
## 83	0.03980975	-0.6675969	-0.6861272	1.836536894
## 84	0.03252842	-0.5387921	-0.5254593	-0.469829158
## 85	0.03410988	-0.5234250	-0.5705574	-0.527607193
## 86	0.03117758	-0.6021608	-0.5820454	-0.160284851
## 87	0.03081516	-0.5806364	-0.5622086	-0.277375483
## 88	0.03371451	-0.6225929	-0.6330659	0.602133617
## 89	0.03443935	-0.5982679	-0.5237446	-0.402138924
## 90	-0.60974422	-0.6712978	-0.6332051	0.427889481
## 91	-0.61284125	-0.6110289	-0.5934252	-0.429948395
## 92	-0.60938180	-0.4855658	-0.5532387	-0.961870331
## 93	-0.42695318	-0.5248365	-0.5540975	-0.799456596
## 94	-0.65287210	-0.5525681	-0.5779854	-0.725717334
## 95	-0.61208347	-0.6769713	-0.6131435	-0.226395913
## 96	-0.65349809	-0.7183667	-0.6050016	0.251834205
## 97	-0.61419209	-0.6310520	-0.5772704	-0.528222802
## 98	-0.61297304	-0.7152992	-0.6049929	0.262808106
## 99	0.50815413	-0.5011624	-0.5818903	-0.369779299
## 100	-0.60364899	-0.7163018	-0.6862663	1.662292757
## 101	-0.60934885	-0.5721298	-0.5706966	-0.701851329
## 102	-0.67560566	-0.4905785	-0.5532530	-0.979803292
## 103	-0.49703186	-0.4770618	-0.5532144	-0.931446752
## 104	-0.61234705	-0.5495006	-0.5779767	-0.714743432
## 105	-0.40148499	-0.4698296	-0.5531937	-0.905573327
## 106	-0.12446497	-0.6400623	-0.6130380	-0.094352226
## 107	0.36147322	-0.5304776	-0.5434178	-0.443259826
## 108	0.36239574	-0.5372110	-0.5932143	-0.165861020
## 109	0.36203332	-0.4317560	-0.5106505	-0.582485620

## 110	0.36180269	-0.5842450	-0.5679105	0.105033743
## 111	0.36226395	-0.5294476	-0.5875416	-0.143743702
## 112	0.36335121	-0.5259487	-0.5420857	-0.268507143
## 113	-0.54019269	-0.4803287	-0.5532237	-0.943134403
## 114	-0.54055511	-0.6660607	-0.6331901	0.446625410
## 115	-0.54111521	-0.4575948	-0.5130593	-0.917046853
## 116	-0.54015974	-0.5668928	-0.5706816	-0.683115401
## 117	-0.53989616	-0.5233826	-0.5691154	-0.760468020
## 118	-0.54417930	-0.5408644	-0.5563714	-0.704884765
## 119	-0.54022564	-0.5917140	-0.5794126	-0.617807306
## 120	-2.15496770	-0.7882593	-0.6335392	0.009453741
## 121	-2.15806473	-0.7279904	-0.5937594	-0.848384135
## 122	-2.15460528	-0.6025274	-0.5535729	-1.380306071
## 123	-1.97217666	-0.6417980	-0.5544317	-1.217892335
## 124	-2.19809558	-0.6695296	-0.5783196	-1.144153073
## 125	-2.15730695	-0.7939328	-0.6134777	-0.644831653
## 126	-2.19872157	-0.8353282	-0.6053358	-0.166601535
## 127	-2.15941557	-0.7480136	-0.5776046	-0.946658542
## 128	-2.15819652	-0.8322608	-0.6053270	-0.155627634
## 129	-1.03706935	-0.6181239	-0.5822244	-0.788215038
## 130	-2.14887247	-0.8332633	-0.6866005	1.243857017
## 131	-2.15457233	-0.6890914	-0.5710308	-1.120287069
## 132	-2.22082914	-0.6075400	-0.5535872	-1.398239032
## 133	-2.04225534	-0.5940233	-0.5535486	-1.349882492
## 134	-2.15757053	-0.6664622	-0.5783109	-1.133179172
## 135	-1.94670847	-0.5867912	-0.5535279	-1.324009067
## 136	-1.66968845	-0.7570238	-0.6133722	-0.512787965
## 137	-1.18375026	-0.6474391	-0.5437520	-0.861695566
## 138	-1.18282774	-0.6541725	-0.5935485	-0.584296760
## 139	-1.18319016	-0.5487176	-0.5109847	-1.000921360
## 140	-1.18342079	-0.7012065	-0.5682447	-0.313401997
## 141	-1.18295953	-0.6464091	-0.5878758	-0.562179442
## 142	-1.18187227	-0.6429103	-0.5424198	-0.686942883
## 143	-2.08541617	-0.5972903	-0.5535579	-1.361570143
## 144	-2.08577859	-0.7830222	-0.6335243	0.028189670
## 145	-2.08538322	-0.6838543	-0.5710158	-1.101551140
## 146	-2.08511964	-0.6403441	-0.5694496	-1.178903760
## 147	-2.08940278	-0.6578260	-0.5567055	-1.123320505
## 148	1.50348892	2.1096487	1.8548521	-0.559012178
## 149	1.44681974	1.6852454	1.6864484	1.070656740
## 150	1.44616079	1.6718783	1.7173329	0.649722876
## 151	1.44879657	1.6613543	1.6517408	1.098136102
## 152	1.44681974	1.5072843	1.6318895	1.881297920
## 153	1.45275023	1.8363727	1.7280944	0.056596906
## 154	1.54632027	2.1970831	1.8766152	-0.715323354
## 155	1.53116456	1.9102904	1.8855952	-0.202315784
## 156	1.44879657	1.6371141	1.7465889	0.766599383
## 157	1.44813763	1.6611548	1.7014400	1.393806900
## 158	1.58915162	2.2861634	1.8451655	-0.874667966
## 159	1.45340918	1.6608555	1.6201021	2.830406534
## 160	1.46527017	1.6794596	1.6665079	1.000530836
## 161	1.45011446	1.7620559	1.7076087	0.359940513
## 162	1.45670390	1.2790472	1.4922109	3.222255099
## 163	1.45736284	1.5520239	1.6007708	2.596296644

## 164	1.45275023	1.7747746	1.7088810	0.235391197
## 165	1.45340918	1.5775610	1.6245019	1.430029695
## 166	1.44681974	1.7166679	1.7186283	0.704860038
## 167	1.44616079	1.6390094	1.6759567	0.875267770
## 168	1.45736284	1.7329777	1.7403062	0.495196074
## 169	1.50941941	2.1015187	1.7566898	-0.544380310
## 170	1.67461665	1.9070783	1.7946707	-0.061332382
## 171	1.67949283	1.5657401	1.5220585	3.377995275
## 172	1.67949283	1.9797890	1.7654449	-0.156885618
## 173	1.67494612	1.5725683	1.6489131	1.784531309
## 174	1.67303518	1.8758952	1.7965019	-0.008871782
## 175	1.67764779	2.0252568	1.8457737	-0.104710517
## 176	1.72001789	1.8171251	1.7852354	0.453798594
## 177	1.67534149	1.8733165	1.7636474	0.068016901
## 178	0.68639846	1.6746216	1.7401394	0.286424298
## 179	0.71117475	1.4884707	1.7175713	1.043569940
## 180	0.71974102	1.4989947	1.5253020	1.818327356
## 181	0.71420589	1.6691800	1.6689851	1.605505050
## 182	0.73087718	1.4456463	1.4991820	4.831457245
## 183	0.71631452	1.7032560	1.8205176	0.218725142
## 184	0.71947745	1.7339902	1.7303215	0.103169072
## 185	0.71361285	1.5765185	1.7073455	0.837813756
## 186	0.71288801	1.6195674	1.7470190	0.603632492
## 187	0.71868671	1.5356543	1.6053045	2.362650692
## 188	0.72013639	1.5843043	1.8239471	0.354105610
## 189	-0.56823075	1.4382445	1.6050262	2.014162419
## 190	-0.57442482	1.5587823	1.6845858	0.298486667
## 191	-0.56750591	1.8097084	1.7649589	-0.765357205
## 192	-0.20264867	1.7311671	1.7632413	-0.440529734
## 193	-0.65448651	1.6757039	1.7154654	-0.293051210
## 194	-0.57290925	1.4268975	1.6451493	0.705591631
## 195	-0.65573850	1.3441067	1.6614331	1.662051867
## 196	-0.57712649	1.5187360	1.7168955	0.101937854
## 197	-0.57468840	1.3502416	1.6614506	1.683999669
##	Entropy_area.H.ADC	Max_cooc.W.ADC	Average_cooc.W.ADC	Variance_cooc.W.ADC
## 1	-0.6439049	0.19349133	-0.843001361	-0.015416101
## 2	-0.6007301	0.08644844	0.116752539	-0.378212986
## 3	-0.5334676	0.08425643	-0.935066853	1.333910263
## 4	-0.5508851	0.05722171	0.097346044	0.220240862
## 5	-0.5892300	0.07658442	-0.197417345	-0.103801574
## 6	-0.5535874	0.07220041	0.333249440	2.417499496
## 7	-0.6221993	0.09375512	0.273064619	0.285370989
## 8	-0.5729944	0.09594712	0.113644138	-0.230036108
## 9	-0.6365836	0.09813913	0.090795826	-0.367786487
## 10	-0.5617197	0.08169909	-0.674235123	1.310338319
## 11	-0.5937726	0.07366174	0.154948646	-0.213299528
## 12	-0.5792028	0.06197105	-0.571409423	0.144286823
## 13	-0.5329111	0.11750184	-1.174682010	-0.635537721
## 14	-0.5921577	0.06818173	0.278782647	-0.199801017
## 15	-0.5101399	0.08608310	-0.362626180	-0.085979126
## 16	-0.5604759	0.07293107	0.066109306	-0.296579517
## 17	-0.6148744	0.08754444	0.100693732	-0.592579260
## 18	-0.5658914	0.05466437	-0.421907586	-0.101182127
## 19	-0.5374537	0.08864044	-0.995161333	0.283421136

## 20	-0.5311508	0.17084062	-0.158684057	0.639370437
## 21	-0.5364536	0.06306705	0.039919796	0.052898360
## 22	-0.6801112	0.15184324	-1.219261536	-0.359478496
## 23	-0.6037270	0.11202182	-1.355629578	-0.995857615
## 24	-0.5498777	0.05831771	0.020029496	0.078714498
## 25	-0.5596830	0.08169909	-0.766309811	-0.684117547
## 26	-0.5622071	0.06087505	-0.449272257	0.073409771
## 27	-0.5699612	0.07768042	-0.515260220	0.387257929
## 28	-0.5763150	0.10288847	-0.950735983	-0.214392145
## 29	-0.5843309	0.07548841	-0.660475609	0.015857268
## 30	-0.5583373	0.14197922	-1.275644076	-1.038349051
## 31	-0.7058211	0.18399265	-1.334626146	-0.694710311
## 32	-0.5516089	0.06891240	-0.088086148	0.089237113
## 33	-0.4611205	0.09558179	-0.020337335	0.872319893
## 34	-0.5702994	0.10069647	-0.811290735	-0.047166282
## 35	-0.5925396	0.07950709	-0.606452770	-0.221708061
## 36	-0.5468699	0.06525906	0.087583921	0.489587494
## 37	-0.5522308	0.12225118	-0.079967665	1.283427791
## 38	-0.6000646	0.12882719	-0.593331779	0.532408174
## 39	-0.5622835	0.06197105	-0.412496010	0.081211752
## 40	-0.5802866	0.08644844	-0.640563670	-0.907070563
## 41	-0.5067320	0.06452839	-0.280417300	0.267459504
## 42	-0.5994717	0.09850446	-1.340946813	-0.748588210
## 43	-0.5064338	0.17120595	-0.118727280	0.840028592
## 44	-0.7061957	0.14636323	-1.334644720	-0.694711727
## 45	-0.6996964	0.68048171	-1.308309329	-0.767023671
## 46	-0.5857566	0.57709215	-0.262722246	-0.071323527
## 47	-0.5904884	0.56028678	0.262111645	1.891750950
## 48	-0.5606396	0.56211345	-1.004178183	-0.502114578
## 49	-0.6841155	0.67938571	-1.416542723	-0.955817547
## 50	-0.5432293	0.54786542	-0.041114823	-0.094495254
## 51	-0.5444949	0.54567342	-0.289076390	-0.164827544
## 52	-0.5403597	0.54348141	0.043874631	0.168638554
## 53	-0.5055246	0.59828153	0.092317568	1.329864859
## 54	-0.5947109	0.60303088	-1.318446704	-0.911354553
## 55	-0.6940118	0.68267371	-1.488953776	-1.062772305
## 56	-0.6657741	0.60668422	-0.629705005	-0.224531520
## 57	-0.5465062	0.55882545	0.275391862	-0.050912218
## 58	-0.5415854	0.57161214	-0.450270703	0.775108720
## 59	-0.7052937	0.69546041	-1.398520925	-0.802139037
## 60	-0.5342459	0.55992145	-0.387502219	-0.012665567
## 61	-0.5504305	0.63773762	-0.511674686	0.387173937
## 62	-0.5716487	0.55992145	-0.464543415	-0.375751941
## 63	-0.4792836	0.55261477	-0.073325663	1.032055657
## 64	-0.5215673	0.63444961	-0.586574911	-1.109155954
## 65	-0.5856330	0.57453481	-1.193888527	-0.598322473
## 66	-0.5443422	0.56430546	-0.651439465	-0.624230081
## 67	-0.5564025	0.55298010	-0.710956192	-0.505508300
## 68	-0.5358607	0.57964949	-0.065470812	1.417236620
## 69	-0.5869132	0.60522288	-0.421933191	-0.543529219
## 70	-0.6760668	0.60303088	0.448722605	0.081404877
## 71	-0.5990488	0.69991748	-0.855971531	-1.007533569
## 72	-0.5144076	0.66243420	0.555104050	1.451173661
## 73	-0.6210337	0.69476627	-1.008407703	-0.771718448

## 74	-0.5221558	0.75205066	-0.570293587	-1.125520752
## 75	-0.5903240	0.69878495	-0.493530971	-0.995176326
## 76	-0.6420118	0.72658687	-0.428122854	-0.622034872
## 77	-0.6270994	0.74591305	-1.374590821	-0.937694120
## 78	-0.5873205	0.69820041	-0.644322277	-0.970818323
## 79	-0.5911685	0.17778197	-0.422144169	-0.543545303
## 80	-0.5258917	0.14409816	0.317582438	0.076881692
## 81	-0.5282259	0.14157735	-0.216077576	-0.550103353
## 82	-0.5573317	0.15118564	0.225545961	-0.106171423
## 83	-0.5354832	0.15622725	-0.394127505	-0.679027195
## 84	-0.5939610	0.18980146	-1.112979088	-0.123111956
## 85	-0.5844208	0.16923315	-1.060359429	-0.922856293
## 86	-0.5444560	0.20072495	0.568102116	-0.718267259
## 87	-0.5512561	0.20426869	0.361746321	-0.659697804
## 88	-0.5343706	0.21270791	0.333289111	-1.082701674
## 89	-0.5738990	0.17843957	0.273104289	-0.697290392
## 90	-0.5414737	-0.50078962	-0.579266077	-1.082728521
## 91	-0.5601024	-0.57034924	-0.429219900	-0.745087905
## 92	-0.6334358	-0.55102306	-1.009022603	-0.771765324
## 93	-0.5976860	-0.34300182	-0.644836196	-0.970857500
## 94	-0.5989069	-0.60998799	0.278448005	-0.199826533
## 95	-0.5460567	-0.52902995	0.018980379	1.047619622
## 96	-0.5168905	-0.59208662	-0.362960895	-0.086004634
## 97	-0.5556602	-0.57604845	-0.289629944	-0.164869745
## 98	-0.5164432	-0.54715052	-0.362938715	-0.086002944
## 99	-0.5704485	0.68048171	-0.464483908	-0.375747405
## 100	-0.5425863	-0.55727027	-0.394479675	-0.679054042
## 101	-0.5915238	-0.54426438	-1.060711599	-0.922883140
## 102	-0.6341668	-0.62445522	-1.009058848	-0.771768087
## 103	-0.6321956	-0.42644413	-1.008961113	-0.771760636
## 104	-0.5984596	-0.56505189	0.278470184	-0.199824842
## 105	-0.6311409	-0.32049723	-1.008908819	-0.771756650
## 106	-0.5406739	0.01166454	0.113598517	1.047639967
## 107	-0.5636255	0.51852909	0.091017082	-0.064360354
## 108	-0.5493369	0.51103975	-0.428686145	-0.745047216
## 109	-0.6008731	0.51659282	0.173623807	-0.685047560
## 110	-0.5317444	0.51498535	0.090766668	-0.275178311
## 111	-0.5530131	0.53043899	-0.583338302	-0.400617961
## 112	-0.5739030	0.53204646	-0.093657682	0.099931715
## 113	-0.6326720	-0.47430290	-1.008984735	-0.771762437
## 114	-0.5407099	-0.42406946	0.332974809	-1.082725634
## 115	-0.6536502	-0.44248230	-0.428699886	-0.622078861
## 116	-0.5907601	-0.46754422	-1.060673731	-0.922880253
## 117	-0.6204136	-0.46885942	0.100419101	-0.592600196
## 118	-0.5993117	-0.48274211	0.154674015	-0.213320464
## 119	-0.5961584	-0.46776342	-0.263237969	-0.071362842
## 120	-0.5585312	-2.21420662	-0.580111790	-1.082792992
## 121	-0.5771599	-2.28376624	-0.430065613	-0.745152377
## 122	-0.6504933	-2.26444006	-1.009868316	-0.771829795
## 123	-0.6147435	-2.05641882	-0.645681909	-0.970921972
## 124	-0.6159644	-2.32340499	0.277602292	-0.199891004
## 125	-0.5631142	-2.24244695	0.018134666	1.047555151
## 126	-0.5339480	-2.30550361	-0.363806607	-0.086069106
## 127	-0.5727177	-2.28946545	-0.290475657	-0.164934217

## 128	-0.5335007	-2.26056752	-0.363784428	-0.086067415
## 129	-0.5875060	-1.03293529	-0.465329621	-0.375811876
## 130	-0.5596438	-2.27068727	-0.395325388	-0.679118513
## 131	-0.6085813	-2.25768138	-1.061557312	-0.922947611
## 132	-0.6512243	-2.33787222	-1.009904561	-0.771832558
## 133	-0.6492531	-2.13986113	-1.009806826	-0.771825108
## 134	-0.6155171	-2.27846889	0.277624471	-0.199889314
## 135	-0.6481984	-2.03391423	-1.009754532	-0.771821121
## 136	-0.5577314	-1.70175246	0.112752804	1.047575496
## 137	-0.5806830	-1.19488791	0.090171369	-0.064424826
## 138	-0.5663944	-1.20237725	-0.429531858	-0.745111687
## 139	-0.6179306	-1.19682418	0.172778095	-0.685112031
## 140	-0.5488019	-1.19843165	0.089920955	-0.275242782
## 141	-0.5700707	-1.18297801	-0.584184015	-0.400682432
## 142	-0.5909605	-1.18137054	-0.094503395	0.099867243
## 143	-0.6497295	-2.18771990	-1.009830448	-0.771826908
## 144	-0.5577674	-2.13748646	0.332129096	-1.082790106
## 145	-0.6078176	-2.18096122	-1.061519444	-0.922944725
## 146	-0.6374711	-2.18227642	0.099573388	-0.592664667
## 147	-0.6163692	-2.19615911	0.153828302	-0.213384935
## 148	1.4823217	1.41188061	-0.811139264	-0.507696779
## 149	1.7640941	1.14884004	1.939716536	1.214947808
## 150	1.7615628	1.14445603	1.443793402	1.074283228
## 151	1.7698333	1.14007202	2.109695444	1.741215424
## 152	1.8395036	1.24967226	2.206581318	4.063668032
## 153	1.6611308	1.25917095	-0.614947225	-0.418770791
## 154	1.4625291	1.41845662	-0.955961370	-0.721606295
## 155	1.5190044	1.26647763	0.762536172	0.954875275
## 156	1.7575403	1.17076009	2.572729905	1.302113880
## 157	1.7673820	1.19633348	1.121404776	2.954155754
## 158	1.4399652	1.44403001	-0.775095668	-0.200339758
## 159	1.7820609	1.17295210	1.246941743	1.378607182
## 160	1.7496916	1.32858443	0.998596810	2.178286190
## 161	1.7072552	1.17295210	1.092859352	0.652434434
## 162	1.8919854	1.15833873	1.875294855	3.468049630
## 163	1.8074180	1.32200841	0.848796359	-0.814373593
## 164	1.6792867	1.20217882	-0.365830873	0.207293368
## 165	1.7618683	1.18172011	0.719067252	0.155478154
## 166	1.7377477	1.15906940	0.600033799	0.392921715
## 167	1.7788312	1.21240818	1.891004558	4.238411555
## 168	1.6767263	1.26355496	1.178079799	0.316879877
## 169	1.4984190	1.25917095	2.919391392	1.566748069
## 170	1.6524551	1.45294416	0.310003120	-0.611128823
## 171	1.8217376	1.37797760	3.132154282	4.306285637
## 172	1.6084853	1.44264174	0.005130776	-0.139498581
## 173	1.8062411	1.55721052	0.881359009	-0.847103189
## 174	1.6699047	1.45067909	1.034884239	-0.586414337
## 175	1.5665290	1.50628294	1.165700474	0.159868572
## 176	1.5963538	1.54493529	-0.727235461	-0.471449924
## 177	1.6759116	1.44951002	0.733301628	-0.537698330
## 178	1.6682157	0.40867313	1.177657844	0.316847710
## 179	1.7987692	0.34130552	2.657111059	1.557701699
## 180	1.7941008	0.33626390	1.589791030	0.303731609
## 181	1.7358892	0.35548048	2.473038103	1.191595470

## 182	1.7795863	0.36556370	1.233691172	0.045883925
## 183	1.6626307	0.43271211	-0.204011994	1.157714403
## 184	1.6817111	0.39157549	-0.098772676	-0.441774271
## 185	1.7616406	0.45455909	3.158150413	-0.032596203
## 186	1.7480404	0.46164657	2.745438824	0.084542706
## 187	1.7818114	0.47852501	2.688524405	-0.761465033
## 188	1.7027548	0.40998833	2.568154761	0.009357531
## 189	1.7676053	-0.94847004	0.863414028	-0.761518727
## 190	1.7303479	-1.08758928	1.163506381	-0.086237496
## 191	1.5836810	-1.04893693	0.003900976	-0.139592332
## 192	1.6551807	-0.63289444	0.732273789	-0.537776685
## 193	1.6527388	-1.16686678	2.578842191	1.004285249
## 194	1.7584393	-1.00495070	2.059906939	3.499177560
## 195	1.8167716	-1.13106404	1.296024393	1.231929046
## 196	1.7392324	-1.09898770	1.442686293	1.074198824
## 197	1.8176663	-1.04119184	1.296068752	1.231932428
##	DAVE_cooc.W.ADC	DVAR_cooc.W.ADC	DENT_cooc.W.ADC	SAVE_cooc.W.ADC
## 1	-0.13255040	0.619462312	-0.4834815	-0.8470090767
## 2	-0.33716774	-0.330680802	-0.5288387	0.1400957981
## 3	0.14095967	1.558991750	-0.4091896	-0.9416984453
## 4	-0.17910738	-0.039774718	-0.4771018	0.1201363472
## 5	-0.04782845	-0.057422916	-0.4533533	-0.1830273301
## 6	0.83171075	1.813502736	-0.2720697	0.3627625421
## 7	0.50608482	0.703165906	-0.3437783	0.3008626600
## 8	-0.40376157	0.011126203	-0.5368243	0.1368989068
## 9	-0.06185541	0.104904550	-0.4795045	0.1133994611
## 10	0.40702539	2.062145525	-0.3531850	-0.6734333218
## 11	-0.20417425	-0.210857906	-0.4921933	0.1793805145
## 12	0.04659559	0.286003805	-0.4223849	-0.5676773775
## 13	-1.02630180	-0.550194271	-0.7435092	-1.1881420853
## 14	-0.43959363	-0.382198382	-0.5502041	0.3067435489
## 15	-0.78171635	-0.520485760	-0.6455473	-0.3529442094
## 16	-0.25072318	-0.042934398	-0.4966611	0.0880094216
## 17	-0.34674186	-0.357893753	-0.5350379	0.1235795312
## 18	0.04374993	0.155189955	-0.4272375	-0.4139150225
## 19	-0.01861210	0.838641870	-0.4360631	-1.0035053185
## 20	0.03517089	0.287360155	-0.4216154	-0.1431902169
## 21	-0.23937901	-0.025133555	-0.4887149	0.0610735612
## 22	-0.61583669	-0.642626621	-0.6283278	-1.2339919506
## 23	-1.17744756	-0.913830028	-0.8091521	-1.3742463157
## 24	-0.22275964	-0.151474381	-0.4896061	0.0406163319
## 25	-0.84339381	-0.914956748	-0.6878422	-0.7681320562
## 26	0.20039461	0.396821064	-0.3910122	-0.4420595350
## 27	-0.19504934	-0.151257001	-0.4872544	-0.5099279365
## 28	-0.43873099	-0.361732782	-0.5487240	-0.9578140228
## 29	-0.20881948	-0.248078528	-0.4946393	-0.6592817808
## 30	-1.21467560	-0.963676368	-0.8262224	-1.2919813786
## 31	-0.77972796	-0.795702118	-0.6809207	-1.3526444185
## 32	-0.09560513	0.397529606	-0.4522187	-0.0705803087
## 33	0.13014885	0.519727889	-0.4000695	-0.0009007836
## 34	-0.48189733	-0.561092350	-0.5743137	-0.8143948513
## 35	-0.15026061	-0.306602100	-0.4861748	-0.6037193937
## 36	0.06038899	0.356432156	-0.4175167	0.1100960223
## 37	0.57543304	1.448643652	-0.3098419	-0.0622304646

## 38	0.24283165	0.885243961	-0.3975686	-0.5902245716
## 39	-0.12173778	0.145927032	-0.4609305	-0.4042353273
## 40	-0.94518972	-0.792579456	-0.7137421	-0.6388023888
## 41	-0.46152580	-0.416585109	-0.5528934	-0.2683925330
## 42	-0.69837338	-0.667957421	-0.6279980	-1.3591451195
## 43	0.05693214	0.348481342	-0.4162643	-0.1020946552
## 44	-0.77982014	-0.795705218	-0.6813251	-1.3526539697
## 45	-0.86251612	-0.886623788	-0.7115946	-1.3257016033
## 46	-0.23269261	0.084293918	-0.4858646	-0.2503170920
## 47	1.33066965	3.315354682	-0.1956342	0.2894734741
## 48	-0.60556188	-0.700318501	-0.6013993	-1.0129031124
## 49	-0.96775725	-0.988254747	-0.7470975	-1.4370192574
## 50	-0.48530228	-0.455554918	-0.5560146	-0.0223944641
## 51	-0.54520076	-0.516514822	-0.5733872	-0.2774223714
## 52	-0.30290974	-0.134866469	-0.5023028	0.0650171201
## 53	0.27466636	0.668838679	-0.3644841	0.1148404963
## 54	-1.04238605	-1.002046732	-0.7518716	-1.3361277807
## 55	-1.06725605	-1.025835643	-0.7865971	-1.5114939802
## 56	0.21199560	0.118484993	-0.4215919	-0.6277581612
## 57	-0.38820887	-0.369357299	-0.5314967	0.3031320587
## 58	0.16894738	1.136108560	-0.3895046	-0.4432105086
## 59	-0.79033297	-0.756412904	-0.6869039	-1.4184839648
## 60	-0.29070651	0.331271396	-0.4936656	-0.3786532425
## 61	0.34487007	0.576350712	-0.3547437	-0.5063643881
## 62	-0.45142371	-0.262555670	-0.5415747	-0.4578898728
## 63	-0.19974916	0.329489103	-0.4747265	-0.0555231595
## 64	-1.42150504	-1.143552476	-0.9195319	-0.5833990349
## 65	-0.86162573	-0.842794467	-0.6831153	-1.2080199332
## 66	-0.88545680	-0.857213465	-0.6899662	-0.6501120118
## 67	-0.51297768	-0.636737207	-0.5742274	-0.7113249447
## 68	0.62990596	1.395255748	-0.2952175	-0.0474445528
## 69	-0.44055650	-0.100663055	-0.5443543	-0.4140654317
## 70	0.35679679	0.625072469	-0.3920643	0.4814025840
## 71	-0.88892671	-0.921057903	-0.6971088	-0.8605044738
## 72	0.33017062	1.059948894	-0.3489343	0.5907840766
## 73	-0.52921665	-0.693115683	-0.5851268	-1.0172847775
## 74	-1.41718348	-1.170832273	-0.9164579	-0.5666852609
## 75	-0.88088844	-0.916061155	-0.6923018	-0.4877350480
## 76	-0.30537741	-0.466452964	-0.5306286	-0.4204629235
## 77	-0.96825085	-0.908969394	-0.7319498	-1.3939034366
## 78	-0.82627188	-0.848515490	-0.6715454	-0.6428236283
## 79	-0.44160349	-0.100698267	-0.5489478	-0.4141739267
## 80	-0.32208842	-0.158369880	-0.5127232	0.3466286688
## 81	-0.59977839	-0.454018268	-0.5880022	-0.2022396497
## 82	-0.18962380	0.237821383	-0.4753040	-0.1189535156
## 83	-0.81234183	-0.825097517	-0.6680520	-0.3853636633
## 84	-0.53013603	-0.189147806	-0.5729491	-1.1247011487
## 85	-1.00147189	-1.033426192	-0.7486675	-1.0705819296
## 86	-0.82448672	-0.236707167	-0.5163740	0.6042876710
## 87	-0.84045571	-0.284270350	-0.6741055	0.3920511290
## 88	-1.36774585	-1.129359913	-0.8939916	-0.5754161262
## 89	-0.82689327	-0.894517117	-0.4069333	0.0489505694
## 90	-1.36949352	-1.129418689	-0.9016591	-0.5755972293
## 91	-0.80163624	-0.796618928	-0.6694398	-0.4212750312

## 92	-0.53226813	-0.693218309	-0.5985145	-1.0176009893
## 93	-0.82882224	-0.848601263	-0.6827345	-0.6430879108
## 94	-0.44125467	-0.382254234	-0.5182299	0.3065714685
## 95	0.35811510	0.778773998	-0.3619978	0.0396981217
## 96	-0.78337721	-0.520541626	-0.6528320	-0.3531163547
## 97	-0.54794799	-0.516607203	-0.5854389	-0.2777070176
## 98	-0.78326714	-0.520537925	-0.6523491	-0.3531049488
## 99	-0.45112840	-0.262545738	-0.5402791	-0.4578592717
## 100	-0.81408950	-0.825156294	-0.6757195	-0.3855447664
## 101	-1.00321955	-1.033484968	-0.7563351	-1.0707630327
## 102	-0.53244800	-0.693224358	-0.5993036	-1.0176196281
## 103	-0.53196298	-0.693208047	-0.5971757	-1.0175693681
## 104	-0.44114461	-0.382250532	-0.5177470	0.3065828744
## 105	-0.53170347	-0.693199319	-0.5960372	-1.0175424762
## 106	0.35943950	0.778818539	-0.3561873	0.0398353631
## 107	-0.19177630	0.049570169	-0.4740379	0.2177830929
## 108	-0.79898745	-0.796529845	-0.6578188	0.5063065569
## 109	-0.41541938	-0.566506897	-0.5508790	0.5693969529
## 110	-0.48060202	-0.378269265	-0.5523222	0.1132556821
## 111	-0.64773977	-0.330933599	-0.5983704	-0.5800599874
## 112	-0.13389001	0.022383251	-0.4649562	-0.0764244113
## 113	-0.53208021	-0.693211989	-0.5976900	-1.0175815158
## 114	-1.36930559	-1.129412369	-0.9008347	-0.5755777558
## 115	-0.30824097	-0.466549270	-0.5431919	-0.4207596617
## 116	-1.00303163	-1.033478648	-0.7555106	-1.0707435592
## 117	-0.34810474	-0.357939588	-0.5410172	0.1234383023
## 118	-0.20553713	-0.210903742	-0.4981727	0.1792392856
## 119	-0.23525191	0.084207845	-0.4970930	-0.2505823019
## 120	-1.37369042	-1.129559838	-0.9200721	-0.5760321363
## 121	-0.80583314	-0.796760076	-0.6878528	-0.4217099382
## 122	-0.53646503	-0.693359458	-0.6169275	-1.0180358963
## 123	-0.83301914	-0.848742411	-0.7011475	-0.6435228178
## 124	-0.44545158	-0.382395382	-0.5366429	0.3061365615
## 125	0.35391820	0.778632849	-0.3804107	0.0392632146
## 126	-0.78757411	-0.520682775	-0.6712450	-0.3535512618
## 127	-0.55214489	-0.516748352	-0.6038519	-0.2781419247
## 128	-0.78746405	-0.520679073	-0.6707621	-0.3535398559
## 129	-0.45532530	-0.262686887	-0.5586921	-0.4582941787
## 130	-0.81828640	-0.825297443	-0.6941325	-0.3859796734
## 131	-1.00741645	-1.033626117	-0.7747480	-1.0711979397
## 132	-0.53664490	-0.693365507	-0.6177166	-1.0180545352
## 133	-0.53615988	-0.693349195	-0.6155887	-1.0180042751
## 134	-0.44534151	-0.382391681	-0.5361600	0.3061479674
## 135	-0.53590037	-0.693340467	-0.6144501	-1.0179773832
## 136	0.35524259	0.778677391	-0.3746002	0.0394004561
## 137	-0.19597320	0.049429021	-0.4924509	0.2173481859
## 138	-0.80318435	-0.796670993	-0.6762318	0.5058716499
## 139	-0.41961629	-0.566648046	-0.5692920	0.5689620459
## 140	-0.48479892	-0.378410414	-0.5707352	0.1128207751
## 141	-0.65193667	-0.331074748	-0.6167834	-0.5804948945
## 142	-0.13808691	0.022242103	-0.4833692	-0.0768593184
## 143	-0.53627711	-0.693353138	-0.6161030	-1.0180164228
## 144	-1.37350250	-1.129553518	-0.9192477	-0.5760126629
## 145	-1.00722853	-1.033619797	-0.7739236	-1.0711784663

## 146	-0.35230164	-0.358080737	-0.5594302	0.1230033953
## 147	-0.20973403	-0.211044891	-0.5165857	0.1788043786
## 148	0.47339640	-0.469633744	1.3697768	-0.8145103010
## 149	1.43830633	0.595765915	1.7519427	2.0147392856
## 150	1.31850937	0.473846107	1.7171975	1.5046834709
## 151	1.80309142	1.237142813	1.8593662	2.1895624540
## 152	2.95824362	2.844553108	2.1350037	2.2892092064
## 153	0.32413880	-0.497217714	1.3602288	-0.6127273476
## 154	0.27439880	-0.544795536	1.2907776	-0.9634597466
## 155	2.83290210	1.743845736	2.0207882	0.8040118913
## 156	1.63249316	0.768161153	1.8009786	2.6657923311
## 157	2.74680565	3.779092871	2.0849628	1.1731071966
## 158	0.82824495	-0.005950058	1.4901641	-0.7774397158
## 159	1.82749789	2.169418542	1.8766407	1.3022217287
## 160	3.09865104	2.659577174	2.1544846	1.0467994376
## 161	1.50606348	0.981764411	1.7808224	1.1437484682
## 162	2.00941258	2.165853956	1.9145189	1.9484818947
## 163	-0.43409918	-0.780229202	1.0249081	0.8927301440
## 164	0.68565944	-0.178713184	1.4977413	-0.3565116526
## 165	0.63799731	-0.207551179	1.4840395	0.7593041903
## 166	1.38295554	0.233401337	1.7155172	0.6368783243
## 167	3.66872283	4.297387246	2.2735370	1.9646391082
## 168	1.52779789	1.305549641	1.7752632	1.2313973503
## 169	3.12250448	2.757020688	2.0798432	3.0223333818
## 170	0.63105747	-0.335240055	1.4697543	0.3385192662
## 171	3.06925214	3.626773538	2.1661032	3.2410963669
## 172	1.35047760	0.120644384	1.6937184	0.0249586587
## 173	-0.42545607	-0.834788795	1.0310562	0.9261576920
## 174	0.64713403	-0.325246560	1.4793683	1.0840581178
## 175	1.79815608	0.573969823	1.8027147	1.2186023669
## 176	0.47240919	-0.311063037	1.4000723	-0.7282786594
## 177	0.75636714	-0.190155230	1.5208812	0.7738809572
## 178	1.52570391	1.305479217	1.7660763	1.2311803604
## 179	1.76473406	1.190135990	1.8385254	2.7527855514
## 180	1.20935412	0.598839215	1.6879676	1.6550489145
## 181	2.02966330	1.982518517	1.9133638	1.8216211825
## 182	0.78422723	-0.143319284	1.5278679	1.2888008871
## 183	1.34863884	1.128580138	1.7180738	-0.1898740836
## 184	0.40596713	-0.559976633	1.3666368	-0.0816356454
## 185	0.75993746	1.033461416	1.8312238	3.2681035557
## 186	0.72799948	0.938335050	1.5157609	2.8436304717
## 187	-0.32658080	-0.751844074	1.0759886	0.9086959614
## 188	0.75512435	-0.282158483	2.0501053	2.1574293526
## 189	-0.33007613	-0.751961628	1.0606536	0.9083337552
## 190	0.80563841	-0.086362105	1.5250922	1.2169781514
## 191	1.34437464	0.120439132	1.6669430	0.0243262352
## 192	0.75126642	-0.190326775	1.4985029	0.7733523922
## 193	1.52640155	0.742367283	1.8275122	2.6726711508
## 194	3.12514110	3.064423746	2.1399764	2.1389244571
## 195	0.84215647	0.465792498	1.5583079	1.3532955043
## 196	1.31301492	0.473661344	1.6930941	1.5041141785
## 197	0.84237661	0.465799901	1.5592737	1.3533183161
##	SVAR_cooc.W.ADC	SENT_cooc.W.ADC	ASM_cooc.W.ADC	Contrast_cooc.W.ADC
## 1	-0.12390019	-0.2297137778	0.12046668	0.339323221

## 2	-0.39982234	-1.1487708193	0.10453142	-0.270393112
## 3	1.38949652	0.1752057532	0.10267849	1.020765978
## 4	0.28456554	-0.0319483994	0.09897261	-0.011025722
## 5	-0.15958586	-0.1411364888	0.10193731	0.088105141
## 6	2.51667585	-0.7842625384	0.09934320	1.855077556
## 7	0.06627402	-1.4111184767	0.10379025	0.970463574
## 8	-0.24560174	-1.3627232813	0.10564319	-0.156574120
## 9	-0.51666298	-1.8267718309	0.11046082	0.153378032
## 10	1.20783227	0.1948434687	0.10230790	1.514272555
## 11	-0.23790448	-1.0098189541	0.10193731	-0.112063904
## 12	0.08216482	0.0286850814	0.09934320	0.332251157
## 13	-0.56593279	0.2101106052	0.11601963	-0.799215721
## 14	-0.14185671	-0.7907885169	0.10193731	-0.368680314
## 15	0.09102971	0.0299869560	0.10564319	-0.653804751
## 16	-0.35758297	-0.9805898768	0.10193731	-0.068581119
## 17	-0.66736845	-1.3451944698	0.10527260	-0.290370627
## 18	-0.21138945	0.0386118752	0.09897261	0.267664711
## 19	0.19654173	0.2347100571	0.10267849	0.538210905
## 20	0.71710808	0.0464164805	0.09860203	0.322909130
## 21	0.08331113	-0.3427510321	0.10008438	-0.051373712
## 22	-0.27142261	-0.2290694827	0.12787843	-0.610581039
## 23	-0.95129570	-0.0081659403	0.11713140	-1.042299992
## 24	0.13072370	-0.4470371651	0.09897261	-0.098432435
## 25	-0.60431787	-1.0538136805	0.10453142	-0.876176590
## 26	-0.06715614	0.0771699467	0.09860203	0.523806591
## 27	0.51793023	-0.7309620655	0.10119614	-0.076580443
## 28	-0.16365498	-0.1965923612	0.10490201	-0.358359713
## 29	0.06120754	-0.5515192436	0.10267849	-0.133381267
## 30	-0.99333063	0.0530919089	0.11676081	-1.082068237
## 31	-0.64636995	-0.1974658127	0.14010782	-0.783289431
## 32	0.03277574	0.1276873305	0.10119614	0.264224358
## 33	0.95470898	0.2465033139	0.09786085	0.517635630
## 34	0.08812288	-0.5120644727	0.10638436	-0.482999179
## 35	-0.24786484	-0.8091774955	0.10156672	-0.114586711
## 36	0.50902167	-0.7670625166	0.09897261	0.377799148
## 37	1.20939977	0.0498803969	0.09786085	1.397304569
## 38	0.43541018	-0.5954508689	0.11157259	0.795476888
## 39	0.06579668	0.1006501849	0.10045496	0.123348601
## 40	-0.88991030	0.0440551723	0.11083141	-0.873090081
## 41	0.46441476	0.1908348906	0.09934320	-0.400325679
## 42	-0.74866448	-0.0274748660	0.10860789	-0.674186768
## 43	0.95852424	0.3329550934	0.09860203	0.370981614
## 44	-0.64637041	-0.1978078869	0.10193731	-0.783290903
## 45	-0.71084387	-0.2113015514	0.63521261	-0.874001998
## 46	-0.09255471	-0.1878711298	0.60037739	0.004823682
## 47	1.43616290	-0.5339904321	0.59741269	3.187670567
## 48	-0.44691542	0.0049956133	0.59704210	-0.632144116
## 49	-0.91985023	-0.4861398985	0.63298908	-0.978281132
## 50	0.01327061	-0.4558314609	0.59518917	-0.436062541
## 51	-0.05521530	0.2504886443	0.59518917	-0.505438873
## 52	0.26222009	0.0185457367	0.59407741	-0.152813367
## 53	1.47610794	0.1073953566	0.59259506	0.721907472
## 54	-0.84960460	-0.1820724741	0.60593620	-1.022170433
## 55	-1.03576525	-0.3513261347	0.64077142	-1.045465672

## 56	-0.40995295	-0.7413604567	0.61408913	0.401391846
## 57	0.03537853	-1.4262394844	0.59593034	-0.326875006
## 58	0.73018828	-0.0004510049	0.59704210	0.844532461
## 59	-0.78716508	-0.2267579911	0.64707141	-0.771473640
## 60	-0.04003080	0.3481690922	0.59815387	0.077642753
## 61	0.26515258	0.3008200460	0.59370682	0.746067858
## 62	-0.38114618	0.0361675392	0.59852445	-0.321009975
## 63	1.27247437	0.2185096890	0.59407741	0.146969128
## 64	-1.03267048	-0.3441060445	0.61705383	-1.248354268
## 65	-0.50200331	-0.1028607115	0.60185974	-0.852706221
## 66	-0.52897165	-0.6574924998	0.60074798	-0.872593479
## 67	-0.47926880	-0.2606200150	0.59630093	-0.540909963
## 68	1.37042790	-0.2237623511	0.59259506	1.429193777
## 69	-0.62128544	-0.0789719769	0.60593620	-0.236557555
## 70	-0.13593128	-1.7126685007	0.61297736	0.780932803
## 71	-1.00840245	-0.5521133899	0.73071299	-0.904945953
## 72	1.55757011	-0.1526680423	0.71866890	0.960928034
## 73	-0.80750405	-0.2011535718	0.72771123	-0.578805047
## 74	-1.05002432	-0.5978390781	0.74209002	-1.259887258
## 75	-0.99469530	-1.1753058132	0.73030534	-0.898208179
## 76	-0.69825699	-1.4097747561	0.73390004	-0.312290468
## 77	-0.90814792	-0.0595614252	0.74179355	-0.941055925
## 78	-0.98274305	-0.8280091780	0.72960122	-0.835870577
## 79	-0.62129058	-0.0828576740	0.17234892	-0.236574270
## 80	0.15268468	-1.1591931224	0.18098361	-0.177561743
## 81	-0.54542236	-0.6591982212	0.18991477	-0.510861348
## 82	-0.17002638	0.1730553354	0.18331831	0.112241626
## 83	-0.61626593	-0.7181000759	0.18598654	-0.816120312
## 84	-0.05296555	0.1150196258	0.18928477	-0.339324613
## 85	-0.86607048	-0.3350610050	0.18917359	-1.016337721
## 86	-0.75002748	-1.9175015305	0.19569593	-0.543714075
## 87	-0.66555973	-1.8434906240	0.19432476	-0.575270997
## 88	-1.00703633	-0.5210746405	0.19958710	-1.221818552
## 89	-0.62692851	-1.1188825019	0.18150243	-0.857321559
## 90	-1.00704490	-0.5275607657	-0.52417013	-1.221846452
## 91	-0.70692712	-0.2202160713	-0.53929010	-0.795482306
## 92	-0.80751901	-0.2124785523	-0.53599187	-0.578853761
## 93	-0.98275556	-0.8374743376	-0.32657292	-0.835911292
## 94	-0.14186485	-0.7969524946	-0.58587294	-0.368706827
## 95	1.07402328	-0.3875889880	-0.54395950	0.857904853
## 96	0.09102157	0.0238239747	-0.58209295	-0.653831266
## 97	-0.05522877	0.2402918444	-0.54247715	-0.505482730
## 98	0.09102211	0.0242324710	-0.53651069	-0.653829509
## 99	-0.38114474	0.0372635051	0.72081830	-0.321005260
## 100	-0.61627450	-0.7245862011	-0.53777069	-0.816148212
## 101	-0.86607904	-0.3415471303	-0.53458364	-1.016365621
## 102	-0.80751989	-0.2131460952	-0.61047994	-0.578856633
## 103	-0.80751752	-0.2113460543	-0.40962156	-0.578848890
## 104	-0.14186431	-0.7965439982	-0.54029069	-0.368705070
## 105	-0.80751624	-0.2103829328	-0.30215121	-0.578844747
## 106	1.07402978	-0.3826737472	0.00450988	0.857925996
## 107	-0.08846832	0.0582396274	0.55649984	0.020466889
## 108	-0.70691414	-0.2103855896	0.55394279	-0.795440020
## 109	-0.73952123	-0.8582226319	0.55768572	-0.439859945

## 110	-0.22968616	-0.5102514795	0.55890866	-0.396081318
## 111	-0.36297327	0.1688989679	0.56035395	-0.483542747
## 112	0.11100794	-0.9529104288	0.55675925	0.053924187
## 113	-0.80751809	-0.2117811195	-0.45816851	-0.578850761
## 114	-1.00704397	-0.5268633329	-0.44634677	-1.221843452
## 115	-0.69827103	-1.4204023038	-0.45197970	-0.312336182
## 116	-0.86607812	-0.3408496974	-0.45676028	-1.016362621
## 117	-0.66737513	-1.3502525183	-0.45913204	-0.290392385
## 118	-0.23791116	-1.0148770026	-0.46246733	-0.112085661
## 119	-0.09256726	-0.1973695006	-0.45950263	0.004782825
## 120	-1.00706547	-0.5431367653	-2.26222513	-1.221913452
## 121	-0.70694770	-0.2357920709	-2.27734510	-0.795549306
## 122	-0.80753959	-0.2280545519	-2.27404687	-0.578920762
## 123	-0.98277613	-0.8530503373	-2.06462792	-0.835978292
## 124	-0.14188543	-0.8125284942	-2.32392794	-0.368773828
## 125	1.07400271	-0.4031649876	-2.28201450	0.857837853
## 126	0.09100100	0.0082479750	-2.32014794	-0.653898266
## 127	-0.05524935	0.2247158448	-2.28053215	-0.505549731
## 128	0.09100154	0.0086564714	-2.27456569	-0.653896509
## 129	-0.38116531	0.0216875055	-1.01723669	-0.321072260
## 130	-0.61629507	-0.7401622007	-2.27582569	-0.816215212
## 131	-0.86609962	-0.3571231299	-2.27263864	-1.016432622
## 132	-0.80754047	-0.2287220948	-2.34853494	-0.578923633
## 133	-0.80753809	-0.2269220539	-2.14767656	-0.578915890
## 134	-0.14188489	-0.8121199978	-2.27834568	-0.368772070
## 135	-0.80753682	-0.2259589324	-2.04020621	-0.578911747
## 136	1.07400920	-0.3982497468	-1.73354512	0.857858996
## 137	-0.08848890	0.0426636277	-1.18155516	0.020399889
## 138	-0.70693471	-0.2259615893	-1.18411221	-0.795507020
## 139	-0.73954181	-0.8737986315	-1.18036928	-0.439926945
## 140	-0.22970673	-0.5258274791	-1.17914634	-0.396148318
## 141	-0.36299385	0.1533229683	-1.17770105	-0.483609748
## 142	0.11098736	-0.9684864284	-1.18129575	0.053857187
## 143	-0.80753867	-0.2273571191	-2.19622351	-0.578917762
## 144	-1.00706455	-0.5424393325	-2.18440177	-1.221910452
## 145	-0.86609870	-0.3564256970	-2.19481528	-1.016429622
## 146	-0.66739571	-1.3658285179	-2.19718704	-0.290459385
## 147	-0.23793174	-1.0304530022	-2.20052233	-0.112152661
## 148	-0.53692875	1.0983776483	1.26521122	-0.362313824
## 149	1.32931292	1.1589945235	1.18961139	0.722123359
## 150	1.19234110	2.5716347339	1.18961139	0.583370694
## 151	1.82721189	2.1077489186	1.18738786	1.288621707
## 152	4.25498760	2.2854481585	1.18442316	3.038063385
## 153	-0.39643749	1.7065124970	1.21110546	-0.450092425
## 154	-0.76875880	1.3680051759	1.28077589	-0.496682904
## 155	0.48286581	0.5879365318	1.22741131	2.397032132
## 156	1.37352878	-0.7818215235	1.19109374	0.940498428
## 157	2.76314827	2.0697554355	1.19331726	3.283313362
## 158	-0.27155845	1.6171414630	1.29337587	0.051301161
## 159	1.22271011	2.7669956296	1.19554079	1.749533946
## 160	1.83307687	2.6722975373	1.18664669	3.086384156
## 161	0.54047934	2.1429925237	1.19628196	0.952228491
## 162	3.84772045	2.5076768233	1.18738786	1.888186696
## 163	-0.76256925	1.3824453563	1.23334070	-0.902460096

## 164	0.29876509	1.8649360223	1.20295254	-0.111164001
## 165	0.24482841	0.7556724457	1.20072901	-0.150938518
## 166	0.34423411	1.5494174153	1.19183491	0.512428515
## 167	4.04362752	1.6231327431	1.18442316	4.452635995
## 168	0.06020083	1.9127134915	1.21110546	1.121133330
## 169	1.03090915	-1.3546795561	1.22518778	3.156114046
## 170	-0.71403320	0.9664306655	1.46065903	-0.215643465
## 171	4.41791193	1.7653213607	1.43657084	3.516104509
## 172	-0.31223639	1.6683503017	1.45465551	0.436638347
## 173	-0.79727692	0.8749792890	1.48341309	-0.925526075
## 174	-0.68661890	-0.2799541812	1.45984373	-0.202167917
## 175	-0.09374227	-0.7488920669	1.46703313	0.969667505
## 176	-0.51352412	1.9515345948	1.48282015	-0.287863409
## 177	-0.66271439	0.4146390893	1.45843550	-0.077492714
## 178	0.06019056	1.9049420972	0.34393090	1.121099901
## 179	1.60814108	-0.2477287996	0.36120027	1.239124954
## 180	0.21192700	0.7522610029	0.37906258	0.572525745
## 181	0.96271896	2.4167681160	0.36586967	1.818731692
## 182	0.07023986	0.6344572935	0.37120613	-0.037992184
## 183	1.19684060	2.3006966968	0.37780259	0.915599215
## 184	-0.42936924	1.4005354352	0.37758023	-0.438427002
## 185	-0.19728325	-1.7643456156	0.39062491	0.506820290
## 186	-0.02834776	-1.6163238027	0.38788257	0.443706447
## 187	-0.71130094	1.0285081643	0.39840725	-0.849388663
## 188	0.04891470	-0.1671075585	0.36223792	-0.120394677
## 189	-0.71131808	1.0155359139	-1.04910721	-0.849444463
## 190	-0.11108254	1.6302253027	-1.07934715	0.003283829
## 191	-0.31226631	1.6457003406	-1.07275069	0.436540918
## 192	-0.66273940	0.3957087700	-0.65391279	-0.077574143
## 193	1.01904201	0.4767524561	-1.17251282	0.856834786
## 194	3.45081828	1.2954794692	-1.08868595	3.310058147
## 195	1.48481486	2.1183053946	-1.16495284	0.286585909
## 196	1.19231417	2.5512411340	-1.08572125	0.583282980
## 197	1.48481594	2.1191223873	-1.07378833	0.286589423
##	Dissimilarity_cooc.W.ADC	Inv_diff_cooc.W.ADC	Inv_diff_norm_cooc.W.ADC	
## 1	-0.13255040	-0.155349088	-0.6079427	
## 2	-0.33716774	-0.460668035	-0.5438010	
## 3	0.14095967	-0.388335616	-0.5742573	
## 4	-0.17910738	-0.456099672	-0.5109719	
## 5	-0.04782845	-0.531604565	-0.5551029	
## 6	0.83171075	-0.724110319	-0.6098508	
## 7	0.50608482	-0.711420421	-0.6281001	
## 8	-0.40376157	-0.213215023	-0.5452688	
## 9	-0.06185541	-0.576907501	-0.6191467	
## 10	0.40702539	-0.502925396	-0.5734990	
## 11	-0.20417425	-0.505209577	-0.5491095	
## 12	0.04659559	-0.537441918	-0.5791254	
## 13	-1.02630180	0.266082427	-0.4565665	
## 14	-0.43959363	-0.367524183	-0.5133937	
## 15	-0.78171635	0.013553455	-0.4784852	
## 16	-0.25072318	-0.439856602	-0.5481310	
## 17	-0.34674186	-0.480210478	-0.5509931	
## 18	0.04374993	-0.589216702	-0.5708570	
## 19	-0.01861210	-0.299887027	-0.5779023	

## 20	0.03517089	-0.481987064	-0.5396913
## 21	-0.23937901	-0.381609970	-0.5267504
## 22	-0.61583669	-0.263974615	-0.6263143
## 23	-1.17744756	0.261006467	-0.5409144
## 24	-0.22275964	-0.454830682	-0.5358262
## 25	-0.84339381	-0.182505470	-0.5980842
## 26	0.20039461	-0.628047790	-0.5837245
## 27	-0.19504934	-0.455084480	-0.6136915
## 28	-0.43873099	-0.305089885	-0.6010686
## 29	-0.20881948	-0.483382953	-0.6176300
## 30	-1.21467560	0.278899224	-0.5127577
## 31	-0.77972796	-0.167150693	-0.6287117
## 32	-0.09560513	-0.450389218	-0.5146413
## 33	0.13014885	-0.529954878	-0.5224205
## 34	-0.48189733	-0.353565296	-0.6030257
## 35	-0.15026061	-0.552542897	-0.6413345
## 36	0.06038899	-0.501910204	-0.5687043
## 37	0.57543304	-0.659772536	-0.5708081
## 38	0.24283165	-0.432369562	-0.6619323
## 39	-0.12173778	-0.488458912	-0.5391776
## 40	-0.94518972	-0.018551987	-0.4918419
## 41	-0.46152580	-0.352042508	-0.5059325
## 42	-0.69837338	-0.166008602	-0.6246998
## 43	0.05693214	-0.486936124	-0.5176992
## 44	-0.77982014	-0.180221288	-0.6312314
## 45	-0.86251612	-0.003831705	-0.5838712
## 46	-0.23269261	-0.155983583	-0.5139808
## 47	1.33066965	-0.624113922	-0.5961271
## 48	-0.60556188	-0.166008602	-0.5461495
## 49	-0.96775725	0.140452436	-0.6512420
## 50	-0.48530228	-0.168927279	-0.4842829
## 51	-0.54520076	-0.138344624	-0.4594775
## 52	-0.30290974	-0.237325829	-0.4698009
## 53	0.27466636	-0.411811928	-0.4996456
## 54	-1.04238605	0.207201300	-0.5704656
## 55	-1.06725605	0.212531057	-0.6364419
## 56	0.21199560	-0.479195286	-0.6462760
## 57	-0.38820887	-0.239229314	-0.5173811
## 58	0.16894738	-0.185804843	-0.5336245
## 59	-0.79033297	0.052257644	-0.6172386
## 60	-0.29070651	-0.096087264	-0.4481512
## 61	0.34487007	-0.473738630	-0.5447062
## 62	-0.45142371	-0.108142667	-0.4930895
## 63	-0.19974916	-0.199509933	-0.4689691
## 64	-1.42150504	0.812382538	-0.4279694
## 65	-0.86162573	0.033730393	-0.5505528
## 66	-0.88545680	0.060125381	-0.5192159
## 67	-0.51297768	-0.218925477	-0.5420153
## 68	0.62990596	-0.527924495	-0.5622216
## 69	-0.44055650	-0.043043490	-0.5021163
## 70	0.35679679	-0.500260517	-0.5770950
## 71	-0.88892671	0.032283745	-0.5335805
## 72	0.33017062	-0.350291302	-0.4833190
## 73	-0.52921665	-0.175868653	-0.5815840

## 74	-1.41718348	0.818257961	-0.4270985
## 75	-0.88088844	0.050671407	-0.5077575
## 76	-0.30537741	-0.206337098	-0.5938276
## 77	-0.96825085	0.146873524	-0.5693476
## 78	-0.82627188	0.011472312	-0.5218065
## 79	-0.44160349	-0.191515297	-0.5307379
## 80	-0.32208842	-0.499397604	-0.5294242
## 81	-0.59977839	-0.173546402	-0.5244950
## 82	-0.18962380	-0.517709127	-0.5026300
## 83	-0.81234183	-0.138776081	-0.5261951
## 84	-0.53013603	-0.112393783	-0.5644477
## 85	-1.00147189	-0.056608991	-0.5711554
## 86	-0.82448672	-0.488839609	-0.4955236
## 87	-0.84045571	0.274343550	-0.5042397
## 88	-1.36774585	-0.690596298	-0.4675747
## 89	-0.82689327	-0.525741832	-0.6196849
## 90	-1.36949352	0.330559799	-0.5153507
## 91	-0.80163624	-0.398817472	-0.5556362
## 92	-0.53226813	-0.608594177	-0.6650023
## 93	-0.82882224	-0.350189783	-0.5915257
## 94	-0.44125467	-1.872101946	-0.5587870
## 95	0.35811510	-0.846047549	-0.6181315
## 96	-0.78337721	-0.222021812	-0.5238956
## 97	-0.54794799	-0.527937185	-0.5345859
## 98	-0.78326714	-0.206413238	-0.5208867
## 99	-0.45112840	-0.066266003	-0.4850168
## 100	-0.81408950	-0.386609790	-0.5739711
## 101	-1.00321955	-0.304442700	-0.6189314
## 102	-0.53244800	-0.634100872	-0.6699194
## 103	-0.53196298	-0.565321624	-0.6566605
## 104	-0.44114461	-1.856493372	-0.5557781
## 105	-0.53170347	-0.528520920	-0.6495663
## 106	0.35943950	-0.658237058	-0.5819264
## 107	-0.19177630	-0.268999815	-0.5376046
## 108	-0.79898745	-0.276994451	-0.4832261
## 109	-0.41541938	-0.289494000	-0.5462302
## 110	-0.48060202	-0.155767854	-0.4794417
## 111	-0.64773977	-0.350443581	-0.4628436
## 112	-0.13389001	-0.309391760	-0.5555114
## 113	-0.53208021	-0.581945391	-0.6598651
## 114	-1.36930559	-0.911781221	-0.5102135
## 115	-0.30824097	-0.612413836	-0.6721088
## 116	-1.00303163	-0.277793914	-0.6137942
## 117	-0.34810474	-0.673477626	-0.5882501
## 118	-0.20553713	-0.698476725	-0.5863664
## 119	-0.23525191	-0.518914667	-0.5839446
## 120	-1.37369042	-0.264596420	-0.6300816
## 121	-0.80583314	-0.993973691	-0.6703671
## 122	-0.53646503	-1.203750396	-0.7797332
## 123	-0.83301914	-0.945346001	-0.7062565
## 124	-0.44545158	-2.467258165	-0.6735179
## 125	0.35391820	-1.441203768	-0.7328623
## 126	-0.78757411	-0.817178031	-0.6386265
## 127	-0.55214489	-1.123093404	-0.6493168

## 128	-0.78746405	-0.801569456	-0.6356175
## 129	-0.45532530	-0.661422222	-0.5997476
## 130	-0.81828640	-0.981766009	-0.6887020
## 131	-1.00741645	-0.899598919	-0.7336623
## 132	-0.53664490	-1.229257091	-0.7846502
## 133	-0.53615988	-1.160477843	-0.7713914
## 134	-0.44534151	-2.451649591	-0.6705089
## 135	-0.53590037	-1.123677139	-0.7642971
## 136	0.35524259	-1.253393277	-0.6966573
## 137	-0.19597320	-0.864156034	-0.6523355
## 138	-0.80318435	-0.872150669	-0.5979570
## 139	-0.41961629	-0.884650219	-0.6609611
## 140	-0.48479892	-0.750924073	-0.5941725
## 141	-0.65193667	-0.945599799	-0.5775745
## 142	-0.13808691	-0.904547979	-0.6702423
## 143	-0.53627711	-1.177101610	-0.7745960
## 144	-1.37350250	-1.506937440	-0.6249444
## 145	-1.00722853	-0.872950133	-0.7285251
## 146	-0.35230164	-1.268633844	-0.7029810
## 147	-0.20973403	-1.293632944	-0.7010973
## 148	0.47339640	2.063860284	1.4758046
## 149	1.43830633	1.445100855	1.8097228
## 150	1.31850937	1.506266164	1.8593335
## 151	1.80309142	1.308303754	1.8386869
## 152	2.95824362	0.959331557	1.7789975
## 153	0.32413880	2.197358012	1.6373574
## 154	0.27439880	2.208017526	1.5054047
## 155	2.83290210	0.824564840	1.4857366
## 156	1.63249316	1.304496785	1.7435263
## 157	2.74680565	1.411345726	1.7110396
## 158	0.82824495	1.887470701	1.5438114
## 159	1.82749789	1.590780885	1.8819861
## 160	3.09865104	0.835478152	1.6888762
## 161	1.50606348	1.566670078	1.7921096
## 162	2.00941258	1.383935546	1.8403503
## 163	-0.43409918	3.407720489	1.9223499
## 164	0.68565944	1.850416199	1.6771830
## 165	0.63799731	1.903206175	1.7398569
## 166	1.38295554	1.345104458	1.6942581
## 167	3.66872283	0.727106423	1.6538454
## 168	1.52779789	1.696868433	1.7740560
## 169	3.12250448	0.782434379	1.6240986
## 170	0.63105747	1.847522902	1.7111277
## 171	3.06925214	1.082372809	1.8116505
## 172	1.35047760	1.431218107	1.6151207
## 173	-0.42545607	3.419471334	1.9240916
## 174	0.64713403	1.884298227	1.7627737
## 175	1.79815608	1.370281216	1.5906334
## 176	0.47240919	2.076702461	1.6395933
## 177	0.75636714	1.805900037	1.7346756
## 178	1.52570391	1.399924818	1.7168128
## 179	1.76473406	0.784160205	1.7194402
## 180	1.20935412	1.435862609	1.7292987
## 181	2.02966330	0.747537159	1.7730285

## 182	0.78422723	1.505403251	1.7258984
## 183	1.34863884	1.558167847	1.6493932
## 184	0.40596713	1.669737430	1.6359777
## 185	0.75993746	0.805276195	1.7872414
## 186	0.72799948	2.331642513	1.7698092
## 187	-0.32658080	0.401762817	1.8431391
## 188	0.75512435	0.731471748	1.5389188
## 189	-0.33007613	2.444075010	1.7475871
## 190	0.80563841	0.985320469	1.6670162
## 191	1.34437464	0.565767059	1.4482839
## 192	0.75126642	1.082575847	1.5952373
## 193	1.52640155	-1.961248480	1.6607146
## 194	3.12514110	0.090860314	1.5420256
## 195	0.84215647	1.338911788	1.7304974
## 196	1.31301492	0.727081043	1.7091168
## 197	0.84237661	1.370128937	1.7365152
##	IDM_cooc.W.ADC	IDM_norm_cooc.W.ADC	Inv_var_cooc.W.ADC
## 1	-0.033497425	-0.5973520	-0.047274340
## 2	-0.490962092	-0.5502015	-0.511161218
## 3	-0.374545635	-0.5799243	-0.348762599
## 4	-0.449956295	-0.5392978	-0.478299380
## 5	-0.519566135	-0.5542619	-0.575738551
## 6	-0.691790480	-0.5872923	-0.708523304
## 7	-0.686789773	-0.5907368	-0.730303825
## 8	-0.185118858	-0.5582310	-0.142420825
## 9	-0.588975947	-0.5874520	-0.532750681
## 10	-0.459757681	-0.5767764	-0.453653001
## 11	-0.521966474	-0.5520036	-0.532559624
## 12	-0.534968312	-0.5681538	-0.534470196
## 13	0.346756326	-0.5281888	0.354901063
## 14	-0.372745381	-0.5399137	-0.373982149
## 15	0.062116090	-0.5319527	0.051120118
## 16	-0.450756408	-0.5546497	-0.426522879
## 17	-0.524566842	-0.5527564	-0.524726279
## 18	-0.589776060	-0.5619264	-0.617389020
## 19	-0.255928868	-0.5780766	-0.246164884
## 20	-0.438154627	-0.5504753	-0.525490508
## 21	-0.371145155	-0.5463236	-0.362709775
## 22	-0.261729688	-0.5908736	-0.292018611
## 23	0.306750671	-0.5553340	0.266632638
## 24	-0.456357200	-0.5477607	-0.472758721
## 25	-0.190519622	-0.5721686	-0.180632264
## 26	-0.618980188	-0.5684276	-0.654836231
## 27	-0.459157596	-0.5848059	-0.473714007
## 28	-0.282332600	-0.5795594	-0.309977988
## 29	-0.484361159	-0.5849884	-0.485177439
## 30	0.324553188	-0.5431073	0.295482275
## 31	-0.161115465	-0.5915580	-0.228778678
## 32	-0.451156465	-0.5433126	-0.476579865
## 33	-0.499563307	-0.5442706	-0.550136887
## 34	-0.328939188	-0.5761833	-0.345323570
## 35	-0.566972836	-0.5954815	-0.546697857
## 36	-0.483561045	-0.5638882	-0.499124615
## 37	-0.624580980	-0.5663517	-0.690563928

## 38	-0.364944278	-0.6259114	-0.410091960
## 39	-0.494362572	-0.5509543	-0.487852240
## 40	-0.027296549	-0.5343478	-0.052432884
## 41	-0.360343628	-0.5373133	-0.383726067
## 42	-0.150713995	-0.5926529	-0.157896458
## 43	-0.442355221	-0.5422405	-0.530075881
## 44	-0.181718378	-0.5939075	-0.248457570
## 45	0.067516854	-0.5528932	0.129071455
## 46	-0.037698019	-0.5255428	-0.042306853
## 47	-0.465758529	-0.5715755	-0.469128634
## 48	-0.098306587	-0.5330476	-0.114335416
## 49	0.281747137	-0.5946375	0.302933505
## 50	-0.079703957	-0.5104190	-0.085485780
## 51	-0.052300083	-0.5025036	-0.082810979
## 52	-0.145913316	-0.5066096	-0.144522454
## 53	-0.279532204	-0.5170570	-0.345896741
## 54	0.331954234	-0.5471905	0.305417249
## 55	0.319952537	-0.5869958	0.314205880
## 56	-0.371745239	-0.5898471	-0.324307278
## 57	-0.161115465	-0.5227826	-0.167831432
## 58	-0.032297256	-0.5403928	-0.038294651
## 59	0.197535233	-0.5770501	0.285738357
## 60	0.028911396	-0.5031879	0.005075333
## 61	-0.342341083	-0.5346900	-0.431490366
## 62	-0.002092986	-0.5158937	-0.005814928
## 63	-0.093505908	-0.5091644	-0.095038639
## 64	1.070258599	-0.4963446	1.110914398
## 65	0.112323187	-0.5376782	0.119327537
## 66	0.144727768	-0.5236494	0.166900780
## 67	-0.144313090	-0.5306981	-0.160571259
## 68	-0.401949509	-0.5468939	-0.453844058
## 69	0.070317250	-0.5217333	0.038128228
## 70	-0.383346879	-0.5515474	-0.284376323
## 71	0.105202181	-0.5236061	0.139999926
## 72	-0.205701768	-0.5085622	-0.227575018
## 73	-0.068182328	-0.5455116	-0.128187063
## 74	1.087921096	-0.4898275	1.113455459
## 75	0.140887225	-0.5126819	0.109679149
## 76	-0.276711806	-0.5529845	-0.237834790
## 77	0.238581035	-0.5444463	0.238184221
## 78	0.095400795	-0.5191306	0.094069776
## 79	-0.163715833	-0.5484223	-0.185408694
## 80	-0.363024007	-0.5438099	-0.350940651
## 81	-0.145073198	-0.5427628	-0.144159445
## 82	-0.377746088	-0.5357074	-0.410722449
## 83	-0.134471699	-0.5402719	-0.135676506
## 84	-0.054820440	-0.5645405	-0.053808496
## 85	-0.053640273	-0.5565977	-0.011909652
## 86	0.464733003	-0.5401213	0.474178072
## 87	0.420326726	-0.5430867	0.424445884
## 88	0.731970779	-0.5245847	0.768769167
## 89	-0.132351399	-0.5821484	-0.134893171
## 90	0.341315557	-0.5691347	0.395634458
## 91	-0.542789418	-0.5786492	-0.535540117

## 92	-0.750278748	-0.6232973	-0.779692111
## 93	-0.474679790	-0.5841421	-0.450443240
## 94	-0.743957854	-0.5822419	-0.728546099
## 95	-0.943646082	-0.6058651	-0.990351778
## 96	-0.309176395	-0.5742968	-0.303558466
## 97	-0.666446898	-0.5725244	-0.669280156
## 98	-0.284572917	-0.5714911	-0.280058431
## 99	0.063916345	-0.5083660	0.057233948
## 100	-0.525126921	-0.5848219	-0.508811215
## 101	-0.444295495	-0.6011477	-0.385044361
## 102	-0.790484431	-0.6278823	-0.818094608
## 103	-0.682069106	-0.6155187	-0.714541606
## 104	-0.719354377	-0.5794362	-0.705046063
## 105	-0.624060906	-0.6089035	-0.659135018
## 106	-0.647604234	-0.5721047	-0.707587124
## 107	-0.177397767	-0.5359834	-0.222492897
## 108	0.049294278	-0.5111285	0.029989191
## 109	-0.217263402	-0.5332985	-0.263111657
## 110	-0.064121754	-0.5111672	-0.092765059
## 111	0.135026397	-0.5086398	0.099400272
## 112	-0.207842070	-0.5429727	-0.248553099
## 113	-0.708272810	-0.6185070	-0.739570099
## 114	0.383321495	-0.5643444	0.435756470
## 115	-0.916802287	-0.6259799	-0.849217825
## 116	-0.402289557	-0.5963574	-0.344922350
## 117	-0.829209906	-0.5874976	-0.815706393
## 118	-0.826609538	-0.5867448	-0.823539738
## 119	-0.609778887	-0.5907824	-0.588730441
## 120	-0.596817055	-0.6761186	-0.500423803
## 121	-1.480922030	-0.6856331	-1.431598378
## 122	-1.688411360	-0.7302811	-1.675750372
## 123	-1.412812402	-0.6911260	-1.346501502
## 124	-1.682090467	-0.6892258	-1.624604360
## 125	-1.881778694	-0.7128489	-1.886410040
## 126	-1.247309007	-0.6812807	-1.199616728
## 127	-1.604579510	-0.6795083	-1.565338417
## 128	-1.222705529	-0.6784749	-1.176116692
## 129	-0.874216267	-0.6153499	-0.838824314
## 130	-1.463259533	-0.6918057	-1.404869476
## 131	-1.382428107	-0.7081316	-1.281102623
## 132	-1.728617044	-0.7348662	-1.714152869
## 133	-1.620201718	-0.7225026	-1.610599868
## 134	-1.657486989	-0.6864200	-1.601104325
## 135	-1.562193518	-0.7158874	-1.555193280
## 136	-1.585736846	-0.6790886	-1.603645386
## 137	-1.115530379	-0.6429672	-1.118551158
## 138	-0.888838334	-0.6181123	-0.866069070
## 139	-1.155396014	-0.6402824	-1.159169919
## 140	-1.002254367	-0.6181511	-0.988823320
## 141	-0.803106216	-0.6156236	-0.796657990
## 142	-1.145974683	-0.6499566	-1.144611360
## 143	-1.646405422	-0.7254908	-1.635628361
## 144	-0.554811117	-0.6713282	-0.460301792
## 145	-1.340422169	-0.7033413	-1.240980611

## 146	-1.767342518	-0.6944815	-1.711764654
## 147	-1.764742150	-0.6937287	-1.719597999
## 148	1.994589260	1.6079299	2.032192210
## 149	1.271687072	1.7763668	1.255353640
## 150	1.326494820	1.7921977	1.260703242
## 151	1.139268354	1.7839857	1.137280292
## 152	0.872030578	1.7630907	0.734531717
## 153	2.095003454	1.7028239	2.037159697
## 154	2.071000061	1.6232133	2.054736960
## 155	0.687604508	1.6175106	0.777710644
## 156	1.108864056	1.7516396	1.090662335
## 157	1.366500475	1.7164193	1.349735897
## 158	1.826165452	1.6431046	1.997801914
## 159	1.488917780	1.7908290	1.436475865
## 160	0.746412821	1.7278249	0.563344467
## 161	1.426909014	1.7654175	1.414695344
## 162	1.244083170	1.7788760	1.236247921
## 163	3.571612184	1.8045156	3.648153996
## 164	1.655741361	1.7218484	1.664980274
## 165	1.720550523	1.7499060	1.760126759
## 166	1.142468806	1.7358087	1.105182682
## 167	0.627195969	1.7034170	0.518637083
## 168	1.571729486	1.7537382	1.502581656
## 169	0.664401228	1.6941101	0.857572553
## 170	1.641499348	1.7499926	1.706325052
## 171	1.019691451	1.7800804	0.971175163
## 172	1.294730330	1.7061817	1.169951073
## 173	3.606937178	1.8175499	3.653236118
## 174	1.712869437	1.7718411	1.645683497
## 175	0.877671375	1.6912359	0.950655620
## 176	1.908257056	1.7083123	1.902693641
## 177	1.621896577	1.7589437	1.614464751
## 178	1.103663321	1.7003603	1.055507811
## 179	0.705046973	1.7095851	0.724443897
## 180	1.140948591	1.7116792	1.138006309
## 181	0.675602811	1.7257901	0.604880302
## 182	1.162151589	1.7166611	1.154972188
## 183	1.321454107	1.6681237	1.318708208
## 184	1.323814441	1.6840094	1.402505895
## 185	2.360560993	1.7169622	2.374681344
## 186	2.271748439	1.7110313	2.275216967
## 187	2.895036545	1.7480354	2.963863534
## 188	1.166392188	1.6329080	1.156538857
## 189	2.113726101	1.6589355	2.217594116
## 190	0.345516151	1.6399065	0.355244966
## 191	-0.069462509	1.5506103	-0.133059022
## 192	0.481735407	1.6289207	0.525438719
## 193	-0.056820722	1.6327210	-0.030766998
## 194	-0.456197177	1.5854747	-0.554378356
## 195	0.812742197	1.6486112	0.819208267
## 196	0.098201191	1.6521560	0.087764888
## 197	0.861949153	1.6542227	0.866208338
##	Correlation_cooc.W.ADC	Autocorrelation_cooc.W.ADC	Tendency_cooc.W.ADC
## 1	-0.705191753	-0.828255684	-0.12390019

## 2	-0.519020182	0.405965039	-0.39982234
## 3	0.094069915	-0.815388962	1.38949652
## 4	0.058180047	0.417424412	0.28456554
## 5	-0.525096774	-0.069778562	-0.15958586
## 6	0.190004103	0.948459454	2.51667585
## 7	-0.934810952	0.682131264	0.06627402
## 8	-0.398513778	0.409398091	-0.24560174
## 9	-1.242628287	0.345137729	-0.51666298
## 10	-0.253321222	-0.592026869	1.20783227
## 11	-0.435353114	0.478369795	-0.23790448
## 12	-0.434365668	-0.534974146	0.08216482
## 13	-0.051236577	-1.096769120	-0.56593279
## 14	-0.020435855	0.707036146	-0.14185671
## 15	0.535496305	-0.259492478	0.09102971
## 16	-0.678188899	0.321137076	-0.35758297
## 17	-1.097131900	0.360430760	-0.66736845
## 18	-0.772186173	-0.377038206	-0.21138945
## 19	-0.469913728	-0.940299037	0.19654173
## 20	0.124908617	0.043958820	0.71710808
## 21	-0.095823567	0.310237125	0.08331113
## 22	0.118452238	-1.108348530	-0.27142261
## 23	-0.632120741	-1.225906213	-0.95129570
## 24	-0.004142994	0.282899001	0.13072370
## 25	0.016517417	-0.763240253	-0.60431787
## 26	-0.780389572	-0.406132588	-0.06715614
## 27	0.291103393	-0.429755791	0.51793023
## 28	-0.059098168	-0.910108994	-0.16365498
## 29	-0.040792436	-0.623746760	0.06120754
## 30	-0.720611103	-1.184036978	-0.99333063
## 31	-0.250017075	-1.198559213	-0.64636995
## 32	-0.434935348	0.100305312	0.03277574
## 33	0.144049880	0.265125606	0.95470898
## 34	0.342754420	-0.765193489	0.08812288
## 35	-0.447620233	-0.588024129	-0.24786484
## 36	-0.063693590	0.408922339	0.50902167
## 37	-0.194758072	0.172383828	1.20939977
## 38	-0.415756107	-0.544336143	0.43541018
## 39	-0.273905675	-0.342059235	0.06579668
## 40	-0.812747421	-0.654727992	-0.88991030
## 41	0.534091093	-0.129225545	0.46441476
## 42	-0.726004078	-1.211732458	-0.74866448
## 43	0.239072579	0.118958672	0.95852424
## 44	-0.253928881	-1.198559344	-0.64637041
## 45	-0.176224468	-1.186970177	-0.71084387
## 46	-0.302503634	-0.154608982	-0.09255471
## 47	-0.761172351	0.711895396	1.43616290
## 48	-0.059288061	-0.968173960	-0.44691542
## 49	-0.621562663	-1.255348489	-0.91985023
## 50	0.273937022	0.185697569	0.01327061
## 51	0.284495100	-0.176453085	-0.05521530
## 52	0.215259936	0.331375795	0.26222009
## 53	0.342032825	0.478501680	1.47610794
## 54	-0.232053152	-1.199297475	-0.84960460
## 55	-1.049202786	-1.294329533	-1.03576525

## 56	-1.201763209	-0.636862282	-0.40995295
## 57	0.178534536	0.712399106	0.03537853
## 58	-0.154956398	-0.357199989	0.73018828
## 59	-0.608118204	-1.241730429	-0.78716508
## 60	-0.305693844	-0.317401034	-0.04003080
## 61	-0.497448283	-0.462310818	0.26515258
## 62	-0.372650286	-0.428983600	-0.38114618
## 63	0.584033079	0.214363371	1.27247437
## 64	-0.253966859	-0.597730090	-1.03267048
## 65	0.208195898	-1.103658660	-0.50200331
## 66	0.198929096	-0.640599568	-0.52897165
## 67	-0.252219839	-0.706536131	-0.47926880
## 68	-0.068137097	0.204955516	1.37042790
## 69	-0.993260166	-0.395780179	-0.62128544
## 70	-1.031846521	0.997445244	-0.13593128
## 71	-1.274450637	-0.876643246	-1.00840245
## 72	0.267731303	1.324791497	1.55757011
## 73	-1.031876904	-0.998782184	-0.80750405
## 74	-0.291413854	-0.580484936	-1.05002432
## 75	-1.208508226	-0.495397779	-0.99469530
## 76	-1.092863095	-0.407434517	-0.69825699
## 77	-0.656936021	-1.234891261	-0.90814792
## 78	-1.296516259	-0.666617775	-0.98274305
## 79	-1.037695240	-0.395781661	-0.62129058
## 80	0.099576826	0.794139141	0.15268468
## 81	-0.470821419	-0.110802586	-0.54542236
## 82	-0.555050572	0.018990326	-0.17002638
## 83	-0.113707735	-0.347349131	-0.61626593
## 84	0.057390090	-1.027741488	-0.05296555
## 85	-0.347345081	-1.033081441	-0.86607048
## 86	-0.951905163	1.218259776	-0.75002748
## 87	-0.654102810	0.825161701	-0.66555973
## 88	-0.270764837	-0.587652454	-1.00703633
## 89	-0.057860062	0.401262772	-0.62692851
## 90	-0.344937231	-0.587654928	-1.00704490
## 91	-0.441767716	-0.397950190	-0.70692712
## 92	-1.161384259	-0.998786504	-0.80751901
## 93	-1.404755544	-0.666621386	-0.98275556
## 94	-0.090928113	0.707033795	-0.14186485
## 95	-0.054179926	0.328618413	1.07402328
## 96	0.464992653	-0.259494830	0.09102157
## 97	0.167911895	-0.176456974	-0.05522877
## 98	0.469664032	-0.259494675	0.09102211
## 99	-0.360117316	-0.428983182	-0.38114474
## 100	-0.187880130	-0.347351605	-0.61627450
## 101	-0.421517475	-1.033083916	-0.86607904
## 102	-1.169017977	-0.998786759	-0.80751989
## 103	-1.148433524	-0.998786072	-0.80751752
## 104	-0.086256734	0.707033950	-0.14186431
## 105	-1.137419702	-0.998785705	-0.80751624
## 106	0.002028544	0.328620288	1.07402978
## 107	-0.316627911	0.577985517	-0.08846832
## 108	-0.329350774	-0.397946440	-0.70691414
## 109	-1.048287499	-0.330568822	-0.73952123

## 110	-0.053678608	0.377626303	-0.22968616
## 111	-0.136893730	-0.562695866	-0.36297327
## 112	-0.116654882	0.101900646	0.11100794
## 113	-1.153408733	-0.998786238	-0.80751809
## 114	-0.336961705	-0.587654662	-1.00704397
## 115	-1.214394924	-0.407438571	-0.69827103
## 116	-0.413541949	-1.033083649	-0.86607812
## 117	-1.154973455	0.360428830	-0.66737513
## 118	-0.493194669	0.478367865	-0.23791116
## 119	-0.411122706	-0.154612605	-0.09256726
## 120	-0.523057318	-0.587660870	-1.00706547
## 121	-0.619887802	-0.397956132	-0.70694770
## 122	-1.339504346	-0.998792446	-0.80753959
## 123	-1.582875631	-0.666627328	-0.98277613
## 124	-0.269048200	0.707027853	-0.14188543
## 125	-0.232300013	0.328612471	1.07400271
## 126	0.286872566	-0.259500772	0.09100100
## 127	-0.010208192	-0.176462916	-0.05524935
## 128	0.291543946	-0.259500617	0.09100154
## 129	-0.538237403	-0.428989124	-0.38116531
## 130	-0.366000216	-0.347357547	-0.61629507
## 131	-0.599637561	-1.033089858	-0.86609962
## 132	-1.347138064	-0.998792701	-0.80754047
## 133	-1.326553610	-0.998792014	-0.80753809
## 134	-0.264376820	0.707028008	-0.14188489
## 135	-1.315539788	-0.998791647	-0.80753682
## 136	-0.176091542	0.328614346	1.07400920
## 137	-0.494747997	0.577979575	-0.08848890
## 138	-0.507470861	-0.397952382	-0.70693471
## 139	-1.226407586	-0.330574764	-0.73954181
## 140	-0.231798694	0.377620361	-0.22970673
## 141	-0.315013816	-0.562701808	-0.36299385
## 142	-0.294774969	0.101894704	0.11098736
## 143	-1.331528820	-0.998792180	-0.80753867
## 144	-0.515081791	-0.587660604	-1.00706455
## 145	-0.591662035	-1.033089591	-0.86609870
## 146	-1.333093542	0.360422888	-0.66739571
## 147	-0.671314755	0.478361923	-0.23793174
## 148	0.725010000	-1.098687885	-0.53692875
## 149	2.516009370	1.783404230	1.32931292
## 150	2.537125525	1.059102924	1.19234110
## 151	2.398655198	2.074760683	1.82721189
## 152	2.652200976	2.369012453	4.25498760
## 153	1.504029023	-0.986585857	-0.39643749
## 154	-0.130270245	-1.176649974	-0.76875880
## 155	-0.435391093	0.138284528	0.48286581
## 156	2.325204399	2.836807306	1.37352878
## 157	1.658222531	0.697609114	2.76314827
## 158	0.751898917	-1.071451765	-0.27155845
## 159	1.356747638	0.777207024	1.22271011
## 160	0.973238761	0.487387456	1.83307687
## 161	1.222834754	0.554041894	0.54047934
## 162	3.136201484	1.840735836	3.84772045
## 163	1.460201607	0.216548913	-0.76256925

## 164	2.384527123	-0.795308226	0.29876509
## 165	2.365993519	0.130809958	0.24482841
## 166	1.463695647	-0.001063169	0.34423411
## 167	1.831861131	1.821920126	4.04362752
## 168	-0.018385005	0.620448735	0.06020083
## 169	-0.095557716	3.406899582	1.03090915
## 170	-0.580765947	-0.341277399	-0.71403320
## 171	2.503597932	4.061592088	4.41791193
## 172	-0.095618482	-0.585555274	-0.31223639
## 173	1.385307618	0.251039221	-0.79727692
## 174	-0.448881126	0.421213536	-0.68661890
## 175	-0.217590864	0.597140059	-0.09374227
## 176	0.654263284	-1.057773428	-0.51352412
## 177	-0.624897192	0.078773542	-0.66271439
## 178	-0.107255155	0.620445771	0.06019056
## 179	2.167288979	3.000287376	1.60814108
## 180	1.026492489	1.190403921	0.21192700
## 181	0.858034183	1.449989745	0.96271896
## 182	1.740719855	0.717310831	0.07023986
## 183	2.082915507	-0.643473884	1.19684060
## 184	1.273445165	-0.654153789	-0.42936924
## 185	0.064325000	3.848528646	-0.19728325
## 186	0.659929706	3.062332496	-0.02834776
## 187	1.426605652	0.236704186	-0.71130094
## 188	1.852415202	2.214534638	0.04891470
## 189	1.278260864	0.236699237	-0.71131808
## 190	1.084599895	0.616108713	-0.11108254
## 191	-0.354633192	-0.585563915	-0.31226631
## 192	-0.841375762	0.078766320	-0.66273940
## 193	1.786279100	2.826076682	1.01904201
## 194	1.859775473	2.069245919	3.45081828
## 195	2.898120631	0.893019432	1.48481486
## 196	2.303959116	1.059095145	1.19231417
## 197	2.907463391	0.893019744	1.48481594
##	Shade_cooc.W.ADC Prominence_cooc.W.ADC	IC1_d.W.ADC	IC2_d.W.ADC
## 1	0.748492311	-0.115427082	-0.9032631715
## 2	-0.849230344	-0.358162227	0.0018008821
## 3	5.445020127	3.594143540	-0.0931255749
## 4	-0.006023108	0.089083006	0.5413180476
## 5	-0.210118336	-0.222713789	-0.0752729986
## 6	-1.349842393	2.399696245	-1.2081113006
## 7	-0.873622832	-0.103189251	-0.8609094734
## 8	-1.349933101	-0.234695460	0.0349204891
## 9	-0.853151522	-0.398988337	-0.7204281668
## 10	4.128564454	2.725959329	-0.5683734659
## 11	-0.588732428	-0.240757246	0.1757711594
## 12	0.321353289	-0.095827806	0.6601300203
## 13	0.654099917	-0.107024210	0.8741146925
## 14	0.141354729	-0.190647839	0.1921462810
## 15	0.967616261	0.019799150	0.6734271116
## 16	-0.701315002	-0.285150259	0.5591706238
## 17	-0.471413512	-0.549037856	0.2411485247
## 18	-0.058906025	-0.238286768	1.0186589993
## 19	0.884992743	0.110045181	0.6286109892

## 20	-0.822946338	0.708704686	0.7805425689	-0.60571668
## 21	0.391490921	-0.020015072	0.7534559015	-0.60924632
## 22	0.227480084	-0.383815704	-1.3825740626	-0.15533396
## 23	-0.213073622	-0.637727845	0.8806401169	-0.80905039
## 24	-0.014746489	-0.086755395	0.6826612027	-0.55682456
## 25	-0.575047104	-0.590810664	0.3594680126	-0.44400664
## 26	-0.211566733	-0.118528137	1.0664300308	-0.86641366
## 27	-0.397497855	-0.008672413	-0.4230904318	-0.21180828
## 28	0.243885625	-0.323448367	-0.0538499072	-0.30096450
## 29	-0.245979643	-0.278007505	-0.3445390965	-0.23128669
## 30	-0.280848161	-0.658454830	0.9561134219	-0.87606135
## 31	-0.065331050	-0.567757619	-1.0975484492	-0.19350642
## 32	1.288666310	0.482308866	0.8285598428	-0.66843978
## 33	-0.188209232	1.098725451	0.7310478403	-0.56325636
## 34	-0.701195237	-0.255632651	-1.0501467813	-0.15381752
## 35	-0.628240071	-0.383145500	-0.0190066032	-0.29840224
## 36	-0.126370048	0.098628057	0.4021910743	-0.41106328
## 37	-0.494778575	1.537005477	0.5182943803	-0.44167969
## 38	0.031811247	-0.005057972	-1.6077627654	-0.12492672
## 39	1.147426525	0.339471099	0.8890123595	-0.71124000
## 40	-0.241430169	-0.620358113	0.8397638734	-0.75254992
## 41	-1.235857245	0.459530761	0.6502803231	-0.53263995
## 42	-0.192298222	-0.616361587	0.6171607162	-0.58838220
## 43	-0.618631869	1.092911485	0.6883247786	-0.54173859
## 44	-0.065331058	-0.567757619	-1.1102299344	-0.19619940
## 45	-0.134639154	-0.600694324	-0.6608374986	-0.19303580
## 46	0.547728782	-0.039768076	-0.0270094822	-0.23110367
## 47	-0.328701672	2.108773692	-1.2619152716	-0.08502865
## 48	-0.201834159	-0.509002675	0.8393945098	-0.55133400
## 49	-0.298366847	-0.672293664	-0.7207975304	-0.18346654
## 50	0.004875794	-0.246311186	0.8883967535	-0.55630165
## 51	-0.081613215	-0.312887939	0.9003395114	-0.56717818
## 52	-0.050364100	0.034017975	0.8817482078	-0.53899331
## 53	-0.168661510	1.782623732	0.8893817232	-0.51357987
## 54	-0.269965984	-0.644240627	0.6669016872	-0.50254646
## 55	-0.346802348	-0.691947884	-0.2737443977	-0.26935457
## 56	-0.339261575	-0.455556077	-1.4435190642	-0.09807527
## 57	-0.959086483	-0.154837623	0.3960350135	-0.32755449
## 58	1.763189394	0.846012413	0.6805681421	-0.43550935
## 59	-0.123648654	-0.607483171	-1.3205209701	-0.13002509
## 60	1.427333183	0.706537079	1.3109487644	-0.95211867
## 61	-0.445762509	0.197269091	1.2608384297	-0.85587701
## 62	0.209227948	-0.337919851	0.8709135409	-0.57133532
## 63	0.575348670	1.228504139	0.1023909150	-0.22464573
## 64	-0.351607353	-0.672285592	1.1172790927	-0.84152312
## 65	-0.003410566	-0.500673325	0.3105888901	-0.33482295
## 66	-0.072659596	-0.527880843	0.4654753789	-0.38698326
## 67	-0.317019704	-0.524651001	1.0144728779	-0.66710636
## 68	-0.161863176	1.593247774	0.8949221779	-0.51561922
## 69	-0.011606950	-0.482070124	0.0886013389	-0.28057100
## 70	-0.400615938	-0.192807689	-1.4846415501	-0.09454562
## 71	-0.427234348	-0.686480173	1.2265984198	-0.87019168
## 72	2.181206018	2.555980862	1.1139425078	-0.63288449
## 73	-0.317329135	-0.620683697	0.6011549582	-0.42672445

## 74	-0.372786079	-0.687264692	1.2382087504	-0.91048716
## 75	-0.430130340	-0.683129528	1.2192603953	-0.85987205
## 76	-0.584703743	-0.600369711	-0.5270416739	-0.15876163
## 77	-0.309926428	-0.659377459	-0.1182915513	-0.24437252
## 78	-0.423537977	-0.679501747	1.2715253512	-0.91079829
## 79	-0.011607041	-0.482070125	-0.0554504830	-0.31116125
## 80	-0.799282474	-0.112401679	0.4752142671	-0.43252876
## 81	-0.491441153	-0.482109614	1.2272755864	-1.05593991
## 82	1.034689958	0.320545609	0.9077267843	-0.71267539
## 83	-0.213494007	-0.511716095	0.6435702169	-0.56226283
## 84	0.754026109	-0.032385690	-0.4925800457	-0.20999378
## 85	-0.333638914	-0.653283778	0.8009683785	-0.68848817
## 86	-0.942779373	-0.516582653	0.8058932271	-0.69182433
## 87	-1.135682610	-0.416669470	0.7465488013	-0.64467350
## 88	-0.396025535	-0.672345889	0.9936777047	-0.87278532
## 89	-0.690300749	-0.583496743	0.0260065131	-0.32539226
## 90	-0.396025688	-0.672345889	0.7532219712	-0.92384752
## 91	-0.228961866	-0.573757616	0.9663940434	-1.10103571
## 92	-0.317329401	-0.620683697	0.1813116140	-0.51588067
## 93	-0.423538200	-0.679501747	0.9206298876	-0.98531302
## 94	0.141354584	-0.190647840	-0.0363666946	-0.40799380
## 95	-1.364450874	1.225743129	0.0006804791	-0.37702705
## 96	0.967616117	0.019799150	0.4449756966	-0.63086867
## 97	-0.081613455	-0.312887940	0.5223204440	-0.64745539
## 98	0.967616126	0.019799150	0.4601196061	-0.62765277
## 99	0.209227973	-0.337919851	0.9115435419	-0.56270730
## 100	-0.213494160	-0.511716095	0.4031144834	-0.61332503
## 101	-0.333639067	-0.653283778	0.5605126450	-0.73955037
## 102	-0.317329417	-0.620683697	0.1565642498	-0.52113592
## 103	-0.317329375	-0.620683697	0.2232959485	-0.50696505
## 104	0.141354594	-0.190647839	-0.0212227851	-0.40477790
## 105	-0.317329352	-0.620683697	0.2590011009	-0.49938285
## 106	-1.364450758	1.225743129	0.1828998777	-0.33833168
## 107	0.683564203	-0.069053547	0.6117310706	-0.43008154
## 108	-0.228961635	-0.573757616	1.3308328406	-1.02364497
## 109	-0.507996385	-0.612303393	0.9510038914	-0.65094843
## 110	-0.197511372	-0.362264230	0.9928774168	-0.65125172
## 111	0.562042958	-0.228796987	1.1173652776	-0.78268001
## 112	-0.125929581	-0.229132534	0.0099638187	-0.23542030
## 113	-0.317329385	-0.620683697	0.2071670693	-0.51039011
## 114	-0.396025672	-0.672345889	0.7790774264	-0.91835696
## 115	-0.584703993	-0.600369712	-0.9210295629	-0.24242730
## 116	-0.333639050	-0.653283778	0.5863681002	-0.73405981
## 117	-0.471413631	-0.549037856	0.0536349138	-0.43940503
## 118	-0.588732547	-0.240757246	-0.0117424515	-0.39453932
## 119	0.547728558	-0.039768076	-0.3791361580	-0.30587986
## 120	-0.396026055	-0.672345890	0.1757834715	-1.04647001
## 121	-0.228962233	-0.573757617	0.3889555436	-1.22365819
## 122	-0.317329768	-0.620683698	-0.3961268857	-0.63850316
## 123	-0.423538567	-0.679501748	0.3431913879	-1.10793551
## 124	0.141354217	-0.190647840	-0.6138051943	-0.53061629
## 125	-1.364451241	1.225743127	-0.5767580206	-0.49964953
## 126	0.967615750	0.019799149	-0.1324628031	-0.75349116
## 127	-0.081613822	-0.312887941	-0.0551180557	-0.77007787

## 128	0.967615759	0.019799149	-0.1173188937	-0.75027526
## 129	0.209227607	-0.337919852	0.3341050422	-0.68532979
## 130	-0.213494527	-0.511716096	-0.1743240163	-0.73594751
## 131	-0.333639433	-0.653283779	-0.0169258547	-0.86217285
## 132	-0.317329784	-0.620683698	-0.4208742500	-0.64375841
## 133	-0.317329741	-0.620683698	-0.3541425513	-0.62958754
## 134	0.141354227	-0.190647840	-0.5986612848	-0.52740039
## 135	-0.317329719	-0.620683698	-0.3184373988	-0.62200534
## 136	-1.364451125	1.225743128	-0.3945386220	-0.46095417
## 137	0.683563836	-0.069053548	0.0342925709	-0.55270402
## 138	-0.228962001	-0.573757617	0.7533943409	-1.14626746
## 139	-0.507996751	-0.612303394	0.3735653917	-0.77357092
## 140	-0.197511738	-0.362264231	0.4154389170	-0.77387420
## 141	0.562042592	-0.228796988	0.5399267778	-0.90530250
## 142	-0.125929947	-0.229132535	-0.5674746810	-0.35804279
## 143	-0.317329752	-0.620683698	-0.3702714305	-0.63301260
## 144	-0.396026038	-0.672345890	0.2016389267	-1.04097945
## 145	-0.333639417	-0.653283779	0.0089296005	-0.85668229
## 146	-0.471413997	-0.549037857	-0.5238035859	-0.56202752
## 147	-0.588732913	-0.240757247	-0.5891809513	-0.51716180
## 148	-0.137294162	-0.622097733	-3.0698271970	2.33774593
## 149	0.469191122	0.229867223	0.1485613708	1.59207571
## 150	0.296213102	0.096713717	0.1724468865	1.57032263
## 151	0.358711333	0.790525546	0.1352642795	1.62669238
## 152	0.122116514	4.287737059	0.1505313102	1.67751927
## 153	-0.080492434	-0.565991658	-0.2944287619	1.69958608
## 154	-0.234165163	-0.661406172	-2.1757209315	2.16596986
## 155	-0.219083618	-0.188622558	-4.5152702646	2.50852846
## 156	-1.458733432	0.412814350	-0.8361621091	2.04957001
## 157	3.985818320	2.414514422	-0.2670958521	1.83366031
## 158	0.212142226	-0.492476746	-4.2692740764	2.44462881
## 159	3.314105899	2.135563752	0.9936653925	0.80044166
## 160	-0.432085484	1.117027777	0.8934447233	0.99292498
## 161	0.877895429	0.046649894	0.1135949456	1.56200836
## 162	1.610136874	3.179497874	-1.4234503061	2.25538754
## 163	-0.243775172	-0.622081589	0.6063260492	1.02163276
## 164	0.452618401	-0.278857055	-1.0070543560	2.03503310
## 165	0.314120340	-0.333272090	-0.6972813783	1.93071248
## 166	-0.174599875	-0.326812407	0.4007136197	1.37046628
## 167	0.135713181	3.908985144	0.1616122196	1.67344056
## 168	0.436225634	-0.241650653	-1.4510294583	2.14353701
## 169	-0.341792343	0.336874218	-4.5975152364	2.51558775
## 170	-0.395029163	-0.650470750	0.8249647034	0.96429563
## 171	4.821851570	5.834451320	0.5996528794	1.43891002
## 172	-0.175218737	-0.518877797	-0.4259222198	1.85123010
## 173	-0.286132625	-0.652039789	0.8481853646	0.88370468
## 174	-0.400821147	-0.643769461	0.8102886545	0.98493491
## 175	-0.709967953	-0.478249826	-2.6823154840	2.38715573
## 176	-0.160413324	-0.596265321	-1.8648152387	2.21593395
## 177	-0.387636422	-0.636513898	0.9148185663	0.88308242
## 178	0.436225451	-0.241650653	-1.7391331021	2.08235649
## 179	-1.139125415	0.497686238	-0.6778036020	1.83962149
## 180	-0.523442772	-0.241729633	0.8263190367	0.59279917
## 181	2.528819451	1.363580813	0.1872214324	1.27932823

## 182	0.032451518	-0.300942594	-0.3410917025	1.58015335
## 183	1.967491751	0.657718216	-2.6133922277	2.28469144
## 184	-0.207838295	-0.584077960	-0.0262953792	1.32770267
## 185	-1.426119212	-0.310675709	-0.0164456820	1.32103033
## 186	-1.811925686	-0.110849344	-0.1351345335	1.41533199
## 187	-0.332611538	-0.622202181	0.3591232732	0.95910836
## 188	-0.921161965	-0.444503891	-1.5762191100	2.05389448
## 189	-0.332611843	-0.622202182	-0.1217881938	0.85698396
## 190	0.001515801	-0.425025637	0.3045559505	0.50260759
## 191	-0.175219270	-0.518877799	-1.2656089081	1.67291765
## 192	-0.387636867	-0.636513899	0.2130276391	0.73405296
## 193	0.742148701	0.341193917	-1.7009655254	1.88869140
## 194	-2.269462215	3.173975852	-1.6268711780	1.95062491
## 195	2.394671765	0.762087895	-0.7382807430	1.44294166
## 196	0.296212622	0.096713716	-0.5835912481	1.40976823
## 197	2.394671785	0.762087895	-0.7079929240	1.44937346
##	Coarseness_vdif.W.ADC	Contrast_vdif.W.ADC	Busyness_vdif.W.ADC	
## 1	0.2738276637	2.0549366581	-3.772693e-01	
## 2	0.0776169074	-0.1492877348	-5.719455e-01	
## 3	-0.0480058329	0.1852652783	-1.397398e-01	
## 4	-0.1072279819	-0.4025842095	-3.596382e-01	
## 5	0.0297606254	0.0041744898	-5.038700e-01	
## 6	0.0168992496	0.9985748427	-5.979023e-01	
## 7	0.1296606141	0.6167897906	-6.094115e-01	
## 8	0.0219839796	-0.1389161288	-5.623954e-01	
## 9	0.2902782607	0.9473604288	-5.687621e-01	
## 10	0.0261714042	0.9462475092	-3.843707e-01	
## 11	-0.0091226038	-0.2969842314	-5.361936e-01	
## 12	-0.1042369643	-0.1557440092	-7.509258e-02	
## 13	-0.1350444458	-0.7024959245	8.059704e-01	
## 14	-0.0393318818	-0.4396927029	-5.156241e-01	
## 15	-0.1616645027	-0.6437525426	4.883665e-01	
## 16	-0.0650546334	-0.4102271513	-4.916263e-01	
## 17	0.0722330757	-0.1959901313	-5.352141e-01	
## 18	-0.1491022287	-0.4223552930	1.467649e-01	
## 19	-0.1227812736	0.0254406400	4.572673e-01	
## 20	-0.1604680957	-0.3871240134	1.411327e-01	
## 21	-0.1377363617	-0.5040945434	-1.992446e-01	
## 22	0.9991494381	1.5738537027	-4.771786e-01	
## 23	-0.0536887664	-0.7384780896	4.952231e-01	
## 24	-0.1194911542	-0.4563194533	-2.700137e-01	
## 25	0.0509968505	-0.4449690144	-2.967051e-01	
## 26	-0.1574770780	-0.3073826547	3.918855e-01	
## 27	0.0710366686	0.2319475618	-4.051851e-01	
## 28	0.0674474475	-0.0365811617	-2.538519e-01	
## 29	0.1009468449	0.1467153530	-4.304073e-01	
## 30	-0.0638582263	-0.7921999247	4.342490e-01	
## 31	1.1409236736	1.5845337081	-3.584138e-01	
## 32	-0.1347453441	-0.5341366679	-2.869101e-01	
## 33	-0.1601689939	-0.4544422396	-4.301386e-02	
## 34	0.3010459241	0.0918202593	-5.467233e-01	
## 35	0.0474076294	-0.1427845300	-4.223264e-01	
## 36	-0.0985540308	-0.1577553097	-3.694332e-01	
## 37	-0.1410264811	0.0293827888	-1.610440e-01	

## 38	0.2798096990	1.7216775817	-5.239499e-01
## 39	-0.1550842639	-0.5560263211	1.132169e-01
## 40	-0.0438184082	-0.6299952475	-2.685444e-01
## 41	-0.1643564186	-0.6309740804	2.305124e-01
## 42	0.0001495509	-0.2076087436	4.643687e-01
## 43	-0.1574770780	-0.4142095262	8.427704e-05
## 44	1.1101161921	1.5838431616	-3.836360e-01
## 45	1.3739239467	1.2153259882	-2.636231e-02
## 46	0.4476057878	0.1013135974	-1.894496e-01
## 47	0.4775159641	1.8965668604	-2.822575e-01
## 48	0.3351435250	-0.4403832494	4.499211e-01
## 49	1.4325478922	0.5464345007	4.856968e-02
## 50	0.2681447302	-0.5279150451	2.234110e-01
## 51	0.2675465267	-0.5355378738	3.693569e-01
## 52	0.2534887438	-0.5708965358	1.746807e-01
## 53	0.2328507222	-0.3335966040	4.325349e-01
## 54	0.4601680618	-0.5503678625	4.690214e-01
## 55	1.3290586823	0.3968674947	2.665091e-01
## 56	0.9142045375	2.1040392065	-2.056114e-01
## 57	0.3671474137	-0.3413736324	-1.879803e-01
## 58	0.2744258672	0.2300569394	4.038844e-01
## 59	1.7675418664	1.6261810362	-7.509258e-02
## 60	0.2196902447	-0.7866353268	1.270745e+00
## 61	0.2307570099	-0.1371059584	1.339065e+00
## 62	0.3019432294	-0.4759028154	1.247260e-01
## 63	0.3124117911	-0.3135774601	-1.142727e-01
## 64	0.2711357478	-0.9528961266	4.653482e-01
## 65	0.4769177605	-0.3793536893	2.520614e-01
## 66	0.4182938151	-0.4375204984	9.387169e-02
## 67	0.2944656853	-0.5214520663	3.749891e-01
## 68	0.2427210804	0.0827090682	4.391465e-01
## 69	0.5259704496	-0.0418172472	-1.784302e-01
## 70	0.9088207058	2.8259150523	-2.967051e-01
## 71	0.4660902767	-0.6606139447	3.245447e-01
## 72	0.3205772692	-0.5102497932	8.521050e-01
## 73	0.5609952660	-0.2979315539	2.131507e-01
## 74	0.3685531919	-0.9339677780	7.310139e-01
## 75	0.4548440505	-0.6712731667	1.794068e-01
## 76	0.9040051674	0.4467685294	-1.404499e-01
## 77	0.9203062135	-0.1877143004	2.242191e-01
## 78	0.4440165667	-0.6278263952	2.957962e-01
## 79	0.1760213873	-0.0496613190	-4.649348e-01
## 80	-0.0273079909	-0.3803707369	-3.575813e-01
## 81	-0.1156925618	-0.8062750053	1.737870e+00
## 82	-0.0675371780	-0.5762090507	-1.997343e-01
## 83	0.0119341603	-0.6681844796	-2.753030e-01
## 84	0.2269584175	0.1076042748	-2.288256e-01
## 85	0.0513258625	-0.6380438015	6.735165e-02
## 86	-0.0471384378	-0.6016312180	-3.471740e-01
## 87	-0.0464205936	-0.6282273144	-3.457048e-01
## 88	-0.0691224173	-0.9345758612	3.260874e-01
## 89	0.1972576125	-0.3017758195	-3.233476e-01
## 90	-0.6532681598	-0.9476694272	-1.521550e-01
## 91	-0.6821913002	-0.8112026914	3.306666e-01

## 92	-0.4589417446	-0.3207933357	-6.218757e-01
## 93	-0.4084234569	-0.6469337495	-4.020997e-01
## 94	-0.5945245736	-0.4521346075	-9.701625e-01
## 95	-0.6172862178	-0.1035916589	-8.584012e-01
## 96	-0.7167375538	-0.6561991402	3.385264e-02
## 97	-0.6507257948	-0.5561188410	-3.823382e-01
## 98	-0.6799480370	-0.6553745070	6.397236e-02
## 99	0.4006468111	-0.4736903849	2.055350e-01
## 100	-0.5722115821	-0.6812780456	-7.535454e-01
## 101	-0.5328198800	-0.6511373674	-4.108907e-01
## 102	-0.5190611989	-0.3221409070	-6.710957e-01
## 103	-0.3569480435	-0.3185071576	-5.383730e-01
## 104	-0.5577350568	-0.4513099743	-9.400428e-01
## 105	-0.2702085324	-0.3165629004	-4.673591e-01
## 106	-0.1746156090	-0.0936692433	-4.959850e-01
## 107	0.2994008644	-0.1956093251	1.199020e-01
## 108	0.2031499172	-0.7913578603	1.055499e+00
## 109	0.3023320617	-0.3888014380	5.153267e-02
## 110	0.2262106631	-0.6575011220	1.255341e-01
## 111	0.2116144971	-0.6989989434	6.145510e-01
## 112	0.4139568395	0.1077698718	-1.718430e-01
## 113	-0.3961303745	-0.3193854254	-5.704518e-01
## 114	-0.5904567896	-0.9462615168	-1.007311e-01
## 115	-0.0531204730	0.4253146579	-9.240524e-01
## 116	-0.4700085098	-0.6497294571	-3.594668e-01
## 117	-0.3832989088	-0.2062008333	-9.081599e-01
## 118	-0.4646545883	-0.3071949334	-9.091394e-01
## 119	-0.4078252534	0.0821391997	-8.897942e-01
## 120	-2.0560554266	-0.9791127576	-1.300622e+00
## 121	-2.0849785671	-0.8426460218	-8.178008e-01
## 122	-1.8617290114	-0.3522366662	-1.770343e+00
## 123	-1.8112107237	-0.6783770799	-1.550567e+00
## 124	-1.9973118404	-0.4835779379	-2.118630e+00
## 125	-2.0200734846	-0.1350349893	-2.006869e+00
## 126	-2.1195248207	-0.6876424706	-1.114615e+00
## 127	-2.0535130616	-0.5875621714	-1.530806e+00
## 128	-2.0827353039	-0.6868178374	-1.084495e+00
## 129	-1.0021404558	-0.5051337153	-9.429323e-01
## 130	-1.9749988489	-0.7127213760	-1.902013e+00
## 131	-1.9356071468	-0.6825806978	-1.559358e+00
## 132	-1.9218484657	-0.3535842375	-1.819563e+00
## 133	-1.7597353104	-0.3499504880	-1.686840e+00
## 134	-1.9605223236	-0.4827533047	-2.088510e+00
## 135	-1.6729957992	-0.3480062309	-1.615826e+00
## 136	-1.5774028759	-0.1251125738	-1.644452e+00
## 137	-1.1033864024	-0.2270526555	-1.028565e+00
## 138	-1.1996373496	-0.8228011907	-9.296851e-02
## 139	-1.1004552051	-0.4202447684	-1.096935e+00
## 140	-1.1765766037	-0.6889444525	-1.022933e+00
## 141	-1.1911727697	-0.7304422739	-5.339163e-01
## 142	-0.9888304273	0.0763265414	-1.320310e+00
## 143	-1.7989176413	-0.3508287558	-1.718919e+00
## 144	-1.9932440565	-0.9777048473	-1.249198e+00
## 145	-1.8727957766	-0.6811727875	-1.507934e+00

## 146	-1.7860861757	-0.2376441637	-2.056627e+00
## 147	-1.8674418551	-0.3386382638	-2.057607e+00
## 148	3.1350351252	2.2443810478	9.088182e-01
## 149	0.8062288012	0.0956819561	1.258501e+00
## 150	0.8050323942	0.0804362987	1.550393e+00
## 151	0.7769168285	0.0097189747	1.161040e+00
## 152	0.7356407852	0.4843188384	1.676749e+00
## 153	1.1902754645	0.0507763213	1.749722e+00
## 154	2.9280567055	1.9452470357	1.344697e+00
## 155	2.0983484159	5.3595904595	4.004562e-01
## 156	1.0042341681	0.4687647816	4.357183e-01
## 157	0.8187910753	1.6116259252	1.619448e+00
## 158	3.8050230735	4.4038741187	6.614937e-01
## 159	0.7093198301	-0.4217586072	3.353168e+00
## 160	0.7314533606	0.8773001297	3.489809e+00
## 161	0.8738257996	0.1997064156	1.061131e+00
## 162	0.8947629230	0.5243571261	5.831335e-01
## 163	0.8122108365	-0.7542802068	1.742375e+00
## 164	1.2237748619	0.3928046678	1.315802e+00
## 165	1.1065269709	0.2764710495	9.994223e-01
## 166	0.8588707114	0.1086079137	1.561657e+00
## 167	0.7553815016	1.3169301828	1.689972e+00
## 168	1.3218802400	1.0678775520	4.548186e-01
## 169	2.0875807524	6.8033421509	2.182686e-01
## 170	1.2021198943	-0.1697158430	1.460768e+00
## 171	0.9110938792	0.1310124599	2.515889e+00
## 172	1.3919298728	0.5556489385	1.237980e+00
## 173	1.0070457247	-0.7164235097	2.273707e+00
## 174	1.1796274417	-0.1910342870	1.170492e+00
## 175	2.0779496757	2.0450491051	5.307790e-01
## 176	2.1105517678	0.7760834456	1.260117e+00
## 177	1.1579724741	-0.1041407439	1.403271e+00
## 178	0.6219821154	1.0521894084	-1.181907e-01
## 179	0.2153233589	0.3907705726	9.651635e-02
## 180	0.0385542172	-0.4610379642	4.287418e+00
## 181	0.1348649848	-0.0009060551	4.122102e-01
## 182	0.2938076614	-0.1848569129	2.610729e-01
## 183	0.7238561758	1.3667205959	3.540277e-01
## 184	0.3725910657	-0.1245755565	9.463822e-01
## 185	0.1756624652	-0.0517503897	1.173308e-01
## 186	0.1770981537	-0.1049425824	1.202693e-01
## 187	0.1316945061	-0.7176396760	1.463854e+00
## 188	0.6644545657	0.5479604073	1.649836e-01
## 189	-1.0365969788	-0.7438268079	5.073689e-01
## 190	-1.0944432597	-0.4708933364	1.473012e+00
## 191	-0.6479441484	0.5099253749	-4.320725e-01
## 192	-0.5469075730	-0.1423554525	7.479525e-03
## 193	-0.9191098064	0.2472428314	-1.128646e+00
## 194	-0.9646330947	0.9443287286	-9.051235e-01
## 195	-1.1635357669	-0.1608862341	8.793842e-01
## 196	-1.0315122488	0.0392743645	4.700247e-02
## 197	-1.0899567333	-0.1592369677	9.396236e-01
##	Complexity_vdif.W.ADC	Strength_vdif.W.ADC	SRE_align.W.ADC LRE_align.W.ADC
## 1	-0.60734119	1.466990068	-0.5607394 -0.5636282

## 2	-0.47550275	0.344635017	-0.5544960	-0.5851724
## 3	0.41344389	1.419727248	-0.5563057	-0.5759453
## 4	0.18056079	-0.317405570	-0.5581606	-0.5711293
## 5	-0.20960654	0.311486534	-0.5550163	-0.5809744
## 6	0.79436502	1.378776363	-0.5492932	-0.6052889
## 7	-0.17960525	0.889076353	-0.5503564	-0.6012826
## 8	-0.42579842	0.103954172	-0.5593143	-0.5681885
## 9	-0.66271228	0.566299986	-0.5488634	-0.6084001
## 10	0.55113369	1.880186970	-0.5563509	-0.5783959
## 11	-0.21623013	0.144880697	-0.5533876	-0.5887312
## 12	0.04216404	-0.491666973	-0.5552878	-0.5816989
## 13	-0.38542456	-0.401291999	-0.5765966	-0.4973335
## 14	-0.22326903	0.065997080	-0.5558759	-0.5810170
## 15	-0.01523043	-0.786100760	-0.5697877	-0.5248231
## 16	-0.08186703	-0.156824761	-0.5561700	-0.5804203
## 17	-0.56531274	-0.075189146	-0.5532519	-0.5886885
## 18	0.35263768	-0.808491391	-0.5556045	-0.5812301
## 19	0.22121422	-0.428062234	-0.5618478	-0.5560846
## 20	0.66308549	-0.767710124	-0.5621871	-0.5487753
## 21	0.31463372	-0.570556229	-0.5588845	-0.5679754
## 22	-0.86202196	2.729084635	-0.5572105	-0.5769895
## 23	-0.79875544	-0.604847825	-0.5750132	-0.5053460
## 24	0.07813491	-0.521331080	-0.5577082	-0.5737504
## 25	-0.78878629	-0.486578675	-0.5608299	-0.5600695
## 26	0.45205475	-0.883305768	-0.5551973	-0.5825087
## 27	-0.42237273	0.350362538	-0.5556271	-0.5811023
## 28	-0.57274375	0.098642124	-0.5612823	-0.5597072
## 29	-0.51360323	0.285054181	-0.5543151	-0.5867707
## 30	-0.80941347	-0.702473268	-0.5753072	-0.5051542
## 31	-0.92826407	1.671339847	-0.5597667	-0.5673574
## 32	0.71513810	-0.254267504	-0.5594274	-0.5666542
## 33	1.35403449	-0.602796176	-0.5594048	-0.5646085
## 34	-0.64263475	1.089283587	-0.5567807	-0.5768829
## 35	-0.47766087	-0.075641610	-0.5511482	-0.5979583
## 36	0.22935429	-0.299170115	-0.5564414	-0.5786516
## 37	1.22086633	-0.440587310	-0.5559438	-0.5770321
## 38	-0.49564616	1.400124479	-0.5539079	-0.5813153
## 39	0.71606812	-0.660755947	-0.5570522	-0.5753486
## 40	-0.66214928	-0.484626270	-0.5656934	-0.5433626
## 41	0.32904950	-0.811851035	-0.5624133	-0.5540175
## 42	-0.74867273	-0.622503152	-0.5619157	-0.5568730
## 43	0.90528173	-0.617707173	-0.5625038	-0.5472410
## 44	-0.92826408	1.671316615	-0.5620966	-0.5695523
## 45	-0.94381881	1.200403992	-0.5242520	-0.5586844
## 46	-0.16874019	0.625174383	-0.5270343	-0.5454723
## 47	1.06430540	2.029443784	-0.5186194	-0.5798876
## 48	-0.60101161	-0.629171914	-0.5282785	-0.5413808
## 49	-0.95265403	0.571099122	-0.5301560	-0.5364369
## 50	-0.15861427	-0.706355748	-0.5304501	-0.5315783
## 51	-0.26525364	-0.744747710	-0.5321693	-0.5254624
## 52	0.37607576	-0.645663602	-0.5287309	-0.5388663
## 53	1.61232995	-0.715413591	-0.5285273	-0.5383335
## 54	-0.84885257	-0.561006225	-0.5365803	-0.5086916
## 55	-0.97094117	0.098565209	-0.5303822	-0.5356272

## 56	-0.65084017	1.471483802	-0.5164704	-0.5880279
## 57	-0.30773795	-0.092022325	-0.5266498	-0.5467296
## 58	0.50800552	-0.357375741	-0.5312192	-0.5298522
## 59	-0.93818969	1.562747463	-0.5233924	-0.5619661
## 60	1.45242976	-0.784842388	-0.5357886	-0.5110357
## 61	0.69358267	-0.923356689	-0.5269891	-0.5427660
## 62	-0.22208514	-0.421220020	-0.5303596	-0.5336454
## 63	0.44076994	0.282714723	-0.5273736	-0.5461116
## 64	-0.76689969	-0.863313916	-0.5568712	-0.4203839
## 65	-0.75944039	-0.227325622	-0.5307894	-0.5313652
## 66	-0.74429722	-0.428838821	-0.5309703	-0.5305768
## 67	-0.45150593	-0.745679704	-0.5278260	-0.5440445
## 68	1.25085156	-0.713164580	-0.5239353	-0.5563616
## 69	-0.56993193	0.326756616	-0.5279618	-0.5420627
## 70	-0.57771551	1.867356493	-0.5154751	-0.5917785
## 71	-0.78984324	-0.811207526	-0.5209787	-0.5341930
## 72	2.52929649	-0.902501569	-0.5200490	-0.5357870
## 73	-0.71030998	-0.440984986	-0.5187619	-0.5409631
## 74	-0.81593414	-0.980347745	-0.5492955	-0.4134134
## 75	-0.76764566	-0.794053653	-0.5242995	-0.5194594
## 76	-0.75367869	0.457880445	-0.5092883	-0.5788626
## 77	-0.90372191	-0.004902946	-0.5201191	-0.5352820
## 78	-0.75641854	-0.832463998	-0.5222885	-0.5293536
## 79	-0.56993198	0.326492716	-0.5544282	-0.5669952
## 80	0.30121192	-0.416001577	-0.5528311	-0.5670058
## 81	-0.48389895	-1.112092077	-0.5583981	-0.5458005
## 82	0.39898077	-0.381632503	-0.5556090	-0.5575059
## 83	-0.61551067	-0.451893960	-0.5559234	-0.5564852
## 84	-0.52204722	1.085221497	-0.5576720	-0.5504865
## 85	-0.79048296	-0.644656296	-0.5585316	-0.5472133
## 86	0.41747622	-0.653491177	-0.5705003	-0.4939602
## 87	-0.38368786	-0.527880073	-0.5694100	-0.4959484
## 88	-0.77771844	-0.962560920	-0.5804851	-0.4520353
## 89	0.54339496	-0.287120126	-0.5551611	-0.5574527
## 90	-0.77771853	-0.963001429	-0.6246637	-0.4936533
## 91	-0.39162593	-1.013586112	-0.6049247	-0.5788115
## 92	-0.71031013	-0.441754129	-0.5958990	-0.6136295
## 93	-0.75641866	-0.833106830	-0.5867579	-0.5900865
## 94	-0.22326912	0.065578382	-0.5978512	-0.6205765
## 95	0.72455529	-0.065244737	-0.5956434	-0.6119993
## 96	-0.01523051	-0.786519413	-0.6117743	-0.5643805
## 97	-0.26525378	-0.745440232	-0.6016085	-0.5908749
## 98	-0.01523051	-0.786491670	-0.6089919	-0.5617594
## 99	-0.22208513	-0.421145587	-0.5228947	-0.5266131
## 100	-0.61551076	-0.452334469	-0.6001019	-0.5981032
## 101	-0.79048305	-0.645096805	-0.6027101	-0.5888313
## 102	-0.71031014	-0.441799466	-0.6004458	-0.6179128
## 103	-0.71031012	-0.441677215	-0.5881853	-0.6063629
## 104	-0.22326911	0.065606126	-0.5950688	-0.6179554
## 105	-0.71031010	-0.441611804	-0.5816252	-0.6001830
## 106	0.72455535	-0.064910915	-0.5621645	-0.5804608
## 107	-0.14558244	-0.194887278	-0.5306537	-0.5427084
## 108	0.50218200	-1.012918468	-0.5379670	-0.5157345
## 109	0.76564462	-0.715469235	-0.5283147	-0.5529392

## 110	0.01468084	-0.694528269	-0.5349290	-0.5264277
## 111	0.04629256	-0.680167649	-0.5407312	-0.5042528
## 112	-0.42352147	0.134652743	-0.5295543	-0.5495723
## 113	-0.71031012	-0.441706763	-0.5911486	-0.6091544
## 114	-0.77771852	-0.962954063	-0.6199133	-0.4891782
## 115	-0.75367883	0.457158669	-0.5816750	-0.6470539
## 116	-0.79048304	-0.645049438	-0.5979597	-0.5843563
## 117	-0.56531281	-0.075532667	-0.5877035	-0.6211433
## 118	-0.21623020	0.144537177	-0.5878392	-0.6211860
## 119	-0.16874032	0.624529295	-0.5917300	-0.6064183
## 120	-0.77771874	-0.964059283	-0.7307555	-0.5935962
## 121	-0.39162614	-1.014643965	-0.7110165	-0.6787543
## 122	-0.71031034	-0.442811983	-0.7019908	-0.7135724
## 123	-0.75641887	-0.834164684	-0.6928497	-0.6900293
## 124	-0.22326933	0.064520529	-0.7039430	-0.7205194
## 125	0.72455508	-0.066302590	-0.7017352	-0.7119422
## 126	-0.01523072	-0.787577267	-0.7178661	-0.6643233
## 127	-0.26525399	-0.746498086	-0.7077003	-0.6908178
## 128	-0.01523072	-0.787549523	-0.7150838	-0.6617022
## 129	-0.22208534	-0.422203440	-0.6289865	-0.6265560
## 130	-0.61551097	-0.453392322	-0.7061938	-0.6980461
## 131	-0.79048326	-0.646154658	-0.7088019	-0.6887742
## 132	-0.71031035	-0.442857319	-0.7065376	-0.7178556
## 133	-0.71031033	-0.442735068	-0.6942771	-0.7063057
## 134	-0.22326932	0.064548272	-0.7011606	-0.7178983
## 135	-0.71031031	-0.442669657	-0.6877170	-0.7001259
## 136	0.72455514	-0.065968769	-0.6682563	-0.6804037
## 137	-0.14558265	-0.195945131	-0.6367455	-0.6426513
## 138	0.50218179	-1.013976322	-0.6440588	-0.6156774
## 139	0.76564441	-0.716527089	-0.6344065	-0.6528821
## 140	0.01468063	-0.695586123	-0.6410208	-0.6263706
## 141	0.04629235	-0.681225502	-0.6468231	-0.6041957
## 142	-0.42352168	0.133594889	-0.6356461	-0.6495152
## 143	-0.71031033	-0.442764616	-0.6972404	-0.7090973
## 144	-0.77771873	-0.964011916	-0.7260051	-0.5891211
## 145	-0.79048325	-0.646107292	-0.7040516	-0.6842991
## 146	-0.56531302	-0.076590520	-0.6937953	-0.7210862
## 147	-0.21623041	0.143479323	-0.6939310	-0.7211288
## 148	-0.87571444	2.386803389	1.7442580	1.7175200
## 149	0.71236509	-0.168106352	1.7436698	1.7272372
## 150	0.49908635	-0.244890276	1.7402314	1.7394690
## 151	1.78174515	-0.046722060	1.7471082	1.7126613
## 152	4.25425354	-0.186222036	1.7475154	1.7137268
## 153	-0.66811150	0.122592694	1.7314093	1.7730106
## 154	-0.91228870	1.441735563	1.7438055	1.7191395
## 155	-0.27208670	4.187572750	1.7716292	1.6143380
## 156	0.41411774	1.060560496	1.7512704	1.6969347
## 157	2.04560468	0.529853662	1.7421316	1.7306894
## 158	-0.84678575	4.370100071	1.7577852	1.6664617
## 159	3.93445315	-0.325079632	1.7329928	1.7683225
## 160	2.41675897	-0.602108232	1.7505918	1.7048619
## 161	0.58542334	0.402165105	1.7438508	1.7231031
## 162	1.91113351	1.810034592	1.7498227	1.6981707
## 163	-0.50420575	-0.482022687	1.6908275	1.9496261

## 164	-0.48928715	0.789953900	1.7429912	1.7276634
## 165	-0.45900081	0.386927504	1.7426293	1.7292403
## 166	0.12658177	-0.246754263	1.7489179	1.7023048
## 167	3.53129675	-0.181724016	1.7566994	1.6776707
## 168	-0.11027023	1.898118377	1.7486464	1.7062684
## 169	-0.12583738	4.979318130	1.7736198	1.6068369
## 170	-0.55009286	-0.377809907	1.7626125	1.7220078
## 171	6.08818661	-0.560397994	1.7644720	1.7188198
## 172	-0.39102633	0.362635172	1.7670462	1.7084676
## 173	-0.60227465	-0.716090346	1.7059789	1.9635669
## 174	-0.50569770	-0.343502162	1.7559710	1.7514750
## 175	-0.47776374	2.160366035	1.7859934	1.6326687
## 176	-0.77785019	1.234799253	1.7643317	1.7198299
## 177	-0.48324344	-0.420322852	1.7599930	1.7316867
## 178	-0.11027034	1.897590578	1.6957136	1.6564035
## 179	1.63201748	0.412601992	1.6989077	1.6563822
## 180	0.06179573	-0.979579009	1.6877737	1.6987929
## 181	1.82755517	0.481340140	1.6933520	1.6753820
## 182	-0.20142771	0.340817226	1.6927231	1.6774235
## 183	-0.01450082	3.415048138	1.6892259	1.6894209
## 184	-0.55137230	-0.044707447	1.6875068	1.6959672
## 185	1.86454606	-0.062377209	1.6635694	1.8024735
## 186	0.26221791	0.188844999	1.6657500	1.7984971
## 187	-0.52584326	-0.680516695	1.6435997	1.8863233
## 188	2.11638355	0.670364892	1.6942478	1.6754885
## 189	-0.52584343	-0.681397713	1.5552426	1.8030872
## 190	0.24634176	-0.782567078	1.5947205	1.6327709
## 191	-0.39102663	0.361096886	1.6127720	1.5631348
## 192	-0.48324370	-0.421608516	1.6310541	1.6102209
## 193	0.58305540	1.375761909	1.6088676	1.5492409
## 194	2.47870421	1.114115671	1.6132832	1.5663952
## 195	0.99913261	-0.328433681	1.5810213	1.6616329
## 196	0.49908608	-0.246275320	1.6013530	1.6086440
## 197	0.99913262	-0.328378195	1.5865861	1.6668751
##	GLNU_align.W.ADC	RLNU_align.W.ADC	RP_align.W.ADC	LGRE_align.W.ADC
## 1	-0.6918874641	-0.65856797	-0.5598492	0.102514356
## 2	-0.6123815696	-0.57056844	-0.5523782	0.011942997
## 3	-0.5149667573	-0.45303263	-0.5552168	0.016044342
## 4	-0.3228388704	-0.13921039	-0.5572378	0.066969370
## 5	-0.6154672519	-0.54173528	-0.5534228	0.005790981
## 6	-0.6590509322	-0.52226965	-0.5454068	-0.003095266
## 7	-0.6784626090	-0.61364025	-0.5468374	0.031424384
## 8	-0.5716370252	-0.53453253	-0.5584867	-0.002753487
## 9	-0.7005169550	-0.65452168	-0.5445666	0.086108978
## 10	-0.6385490581	-0.55459506	-0.5548080	0.011942997
## 11	-0.5574982128	-0.49592156	-0.5510612	0.052614664
## 12	-0.3924852937	-0.26667555	-0.5535818	0.053298221
## 13	0.3484820314	-0.03153465	-0.5818308	-0.011639734
## 14	-0.4940807551	-0.42899055	-0.5540132	-0.012665070
## 15	0.8262717129	0.76954992	-0.5727702	-0.035222465
## 16	-0.4413143220	-0.40195915	-0.5543311	0.067994706
## 17	-0.6070430329	-0.57654282	-0.5509930	0.008866989
## 18	0.0107747317	0.14800459	-0.5538316	0.199237731
## 19	-0.3062334934	-0.21951637	-0.5622336	-0.003095266

## 20	0.2129697465	0.57012375	-0.5636188	0.474711372
## 21	-0.0926901898	0.06079972	-0.5582597	-0.006513053
## 22	-0.7301608578	-0.68336603	-0.5553530	0.294593992
## 23	-0.2270289945	-0.43343995	-0.5793783	0.065944034
## 24	-0.2385875080	-0.06547095	-0.5564884	0.022879916
## 25	-0.5578267579	-0.53442929	-0.5608484	0.045095532
## 26	0.1280273571	0.33928631	-0.5533547	0.372519538
## 27	-0.6394539787	-0.55475386	-0.5537861	0.053640000
## 28	-0.6101597169	-0.56131423	-0.5611663	0.062526247
## 29	-0.6494451616	-0.57962343	-0.5520149	0.020145686
## 30	-0.1771886490	-0.40761244	-0.5795600	0.009208768
## 31	-0.7298405676	-0.68816059	-0.5585776	0.376620882
## 32	-0.0478214965	0.01400359	-0.5588728	-0.031121120
## 33	0.2176473408	0.71734427	-0.5591453	0.288783753
## 34	-0.6846457139	-0.62524713	-0.5552622	0.180098123
## 35	-0.6160008855	-0.55071942	-0.5479955	0.020829244
## 36	-0.4191420226	-0.24748208	-0.5547853	0.018095014
## 37	-0.2636501237	0.04557222	-0.5547172	0.601169496
## 38	-0.7093515344	-0.65442290	-0.5526280	0.095337003
## 39	0.2272419215	0.30001043	-0.5558299	0.088843207
## 40	-0.3581520563	-0.45134842	-0.5668207	-0.011981512
## 41	0.6917553362	0.99351288	-0.5629830	0.165743417
## 42	-0.5292620460	-0.53065200	-0.5621428	0.121312185
## 43	0.1341339666	0.52907634	-0.5640730	0.470951807
## 44	-0.7298594622	-0.68816079	-0.5609165	0.341417675
## 45	-0.7188243094	-0.68553395	-0.5216086	0.779236204
## 46	-0.6163140214	-0.55388980	-0.5257869	0.461382003
## 47	-0.6901889722	-0.60458893	-0.5142511	0.665765672
## 48	-0.4174635259	-0.38609220	-0.5273084	0.466508683
## 49	-0.7233909211	-0.68555662	-0.5291250	0.796666918
## 50	-0.0767028298	0.09161652	-0.5304648	0.431989034
## 51	-0.0494787139	0.09896610	-0.5326448	0.425495238
## 52	0.0635354781	0.33966823	-0.5280804	0.465483347
## 53	0.3587973567	1.08784900	-0.5280123	0.799059369
## 54	-0.5223514091	-0.55013564	-0.5383218	0.526319958
## 55	-0.7138887953	-0.68575191	-0.5294202	0.809996288
## 56	-0.7255548060	-0.67621681	-0.5114126	0.667474566
## 57	-0.5123695818	-0.42272750	-0.5253555	0.441217059
## 58	-0.3219693541	-0.16996350	-0.5312142	0.431305476
## 59	-0.7333037741	-0.69023848	-0.5203142	0.887921834
## 60	2.3449927737	1.95967327	-0.5374816	0.516408375
## 61	0.3264880378	0.65761447	-0.5263092	1.289170041
## 62	-0.3156506854	-0.30053663	-0.5300333	0.435748599
## 63	-0.4172276192	-0.18640831	-0.5258550	0.433697927
## 64	0.5553931633	-0.06936499	-0.5662302	0.428229468
## 65	-0.5717766248	-0.55265687	-0.5306919	0.548193795
## 66	-0.5191277782	-0.50777270	-0.5309190	0.452837535
## 67	-0.2852460476	-0.25200514	-0.5265590	0.440533501
## 68	-0.0561477574	0.43129910	-0.5218584	0.922783263
## 69	-0.6270995092	-0.60042895	-0.5269677	0.478470938
## 70	-0.7259273773	-0.67558571	-0.5100728	0.626802899
## 71	-0.3846819533	-0.47952043	-0.5198283	0.597033973
## 72	1.6451567994	2.91572106	-0.5189631	0.621812930
## 73	-0.5934906304	-0.57845160	-0.5172146	0.603835370

## 74	0.6096186044	-0.03876511	-0.5585571	0.543887384
## 75	-0.3622311152	-0.46256365	-0.5245788	0.560805430
## 76	-0.7039906177	-0.65820259	-0.5043072	0.671507554
## 77	-0.6773746863	-0.65591650	-0.5189654	0.801793599
## 78	-0.3390996145	-0.44066552	-0.5215200	0.560771252
## 79	-0.6273141367	-0.60043123	-0.5535364	0.078589846
## 80	-0.3759164216	-0.24486945	-0.5519263	0.048069007
## 81	2.8932224130	2.61576382	-0.5590158	0.058424902
## 82	-0.0265070465	-0.03317573	-0.5554098	0.044719576
## 83	-0.3733860190	-0.41231811	-0.5556982	0.058493258
## 84	-0.6460268618	-0.60012722	-0.5578464	0.151901380
## 85	-0.4543276427	-0.49907005	-0.5590227	0.080332917
## 86	-0.0504136457	-0.26990338	-0.5757041	0.047419628
## 87	-0.0464887701	-0.24921280	-0.5747595	0.052683020
## 88	0.6261574653	0.01675975	-0.5892564	0.045471489
## 89	-0.6210352015	-0.59608563	-0.5549670	0.190761619
## 90	0.6257992026	0.01675594	-0.6336055	-0.622022334
## 91	0.9738873532	0.66489565	-0.6065714	-0.626773058
## 92	-0.5941161685	-0.57845826	-0.5946496	-0.561630036
## 93	-0.3396224250	-0.44067109	-0.5862385	-0.413298075
## 94	-0.4944212056	-0.42899417	-0.5961551	-0.646938002
## 95	-0.4547645472	-0.26741115	-0.5947949	-0.258574853
## 96	0.8259313175	0.76954629	-0.6149189	-0.669427042
## 97	-0.0500419734	0.09896010	-0.6023499	-0.623697050
## 98	0.8259538809	0.76954653	-0.6121258	-0.627388260
## 99	-0.3155901494	-0.30053599	-0.5225396	0.548535574
## 100	-0.3737442818	-0.41232193	-0.6000473	-0.609000565
## 101	-0.4546859055	-0.49907387	-0.6033718	-0.587160906
## 102	-0.5941530404	-0.57845866	-0.5992139	-0.630327557
## 103	-0.5940536147	-0.57845760	-0.5869061	-0.445083495
## 104	-0.4943986422	-0.42899393	-0.5933620	-0.604899221
## 105	-0.5940004164	-0.57845703	-0.5803207	-0.345967669
## 106	-0.4544930526	-0.26740826	-0.5611868	0.247257640
## 107	-0.4649938564	-0.39811945	-0.5299902	0.444908269
## 108	0.9744303423	0.66490143	-0.5393551	0.384891927
## 109	-0.4464301048	-0.45082012	-0.5266294	0.431476365
## 110	0.0506914745	0.13771435	-0.5355832	0.402459353
## 111	0.6163243547	0.37305232	-0.5431314	0.424128123
## 112	-0.6207851331	-0.54483660	-0.5279669	0.419479933
## 113	-0.5940776456	-0.57845785	-0.5898809	-0.489856507
## 114	0.6258377255	0.01675635	-0.6288368	-0.550248805
## 115	-0.7045776330	-0.65820884	-0.5769735	-0.422184322
## 116	-0.4546473826	-0.49907346	-0.5986031	-0.515387376
## 117	-0.6073224155	-0.57654580	-0.5855776	-0.511661988
## 118	-0.5577775954	-0.49592453	-0.5856458	-0.467914313
## 119	-0.6168386663	-0.55389539	-0.5907324	-0.516105112
## 120	0.6249388584	0.01674677	-0.7401071	-2.224964490
## 121	0.9730270089	0.66488649	-0.7130729	-2.229715214
## 122	-0.5949765127	-0.57846743	-0.7011511	-2.164572192
## 123	-0.3404827692	-0.44068026	-0.6927400	-2.016240231
## 124	-0.4952815498	-0.42900334	-0.7026567	-2.249880158
## 125	-0.4556248914	-0.26742032	-0.7012964	-1.861517009
## 126	0.8250709733	0.76953712	-0.7214205	-2.272369198
## 127	-0.0509023176	0.09895094	-0.7088515	-2.226639206

## 128	0.8250935367	0.76953736	-0.7186274	-2.230330416
## 129	-0.3164504936	-0.30054515	-0.6290412	-1.054406582
## 130	-0.3746046260	-0.41233109	-0.7065489	-2.211942721
## 131	-0.4555462497	-0.49908303	-0.7098733	-2.190103062
## 132	-0.5950133846	-0.57846782	-0.7057155	-2.233269713
## 133	-0.5949139589	-0.57846676	-0.6934076	-2.048025652
## 134	-0.4952589864	-0.42900310	-0.6998636	-2.207841377
## 135	-0.5948607606	-0.57846620	-0.6868222	-1.948909825
## 136	-0.4553533968	-0.26741743	-0.6676883	-1.355684516
## 137	-0.4658542006	-0.39812861	-0.6364917	-1.158033887
## 138	0.9735699980	0.66489227	-0.6458566	-1.218050229
## 139	-0.4472904490	-0.45082928	-0.6331309	-1.171465791
## 140	0.0498311303	0.13770518	-0.6420848	-1.200482803
## 141	0.6154640105	0.37304316	-0.6496330	-1.178814033
## 142	-0.6216454773	-0.54484577	-0.6344684	-1.183462223
## 143	-0.5949379898	-0.57846702	-0.6963824	-2.092798663
## 144	0.6249773813	0.01674718	-0.7353383	-2.153190961
## 145	-0.4555077268	-0.49908262	-0.7051046	-2.118329532
## 146	-0.6081827597	-0.57655496	-0.6920792	-2.114604144
## 147	-0.5586379396	-0.49593370	-0.6921473	-2.070856469
## 148	-0.6766338731	-0.66435856	1.7468967	1.724254341
## 149	0.6167423096	0.88998771	1.7442172	0.994898571
## 150	0.6711905413	0.90468689	1.7398572	0.981910980
## 151	0.8972189252	1.38609115	1.7489859	1.061887198
## 152	1.4877426824	2.88245269	1.7491221	1.729039243
## 153	-0.2745548490	-0.39351660	1.7285031	1.183560420
## 154	-0.6576296216	-0.66474914	1.7463063	1.750913080
## 155	-0.6809616430	-0.64567895	1.7823215	1.465869635
## 156	-0.2545911945	-0.13870032	1.7544359	1.013354621
## 157	0.1262092609	0.36682768	1.7427184	0.993531456
## 158	-0.6964595791	-0.67372228	1.7645183	1.906764173
## 159	5.4601335164	4.62610122	1.7301835	1.163737254
## 160	1.4231240448	2.02198363	1.7525284	2.709260587
## 161	0.1388465983	0.10568141	1.7450801	1.002417703
## 162	-0.0643072692	0.33393807	1.7534367	0.998316358
## 163	1.8809342958	0.56802471	1.6726863	0.987379439
## 164	-0.3734052805	-0.39855905	1.7437630	1.227308095
## 165	-0.2681075873	-0.30879072	1.7433088	1.036595574
## 166	0.1996558740	0.20274439	1.7520288	1.011987507
## 167	0.6578524544	1.56935289	1.7614300	1.976487030
## 168	-0.4840510494	-0.49410322	1.7512113	1.087862381
## 169	-0.6817067854	-0.64441674	1.7850011	1.384526302
## 170	0.0007840625	-0.25228619	1.7654902	1.324988450
## 171	4.0604615679	6.53819680	1.7672206	1.374546364
## 172	-0.4168332917	-0.45014852	1.7707176	1.338591243
## 173	1.9893851780	0.62922445	1.6880325	1.218695271
## 174	0.0456857388	-0.21837262	1.7559891	1.252531364
## 175	-0.6378332664	-0.60965050	1.7965323	1.473935613
## 176	-0.5846014036	-0.60507832	1.7672160	1.734507702
## 177	0.0919487401	-0.17457637	1.7621067	1.252463008
## 178	-0.4844803043	-0.49410779	1.6980741	0.288100196
## 179	0.0183151259	0.21701578	1.7012941	0.227058518
## 180	6.5565927951	5.93828231	1.6871151	0.247770308
## 181	0.7171338761	0.64040323	1.6943272	0.220359655

## 182	0.0233759310	-0.11788154	1.6937504	0.247907020
## 183	-0.5219057544	-0.49349976	1.6894540	0.434723263
## 184	-0.1385073164	-0.29138543	1.6871015	0.291586339
## 185	0.6693206776	0.16694791	1.6537385	0.225759759
## 186	0.6771704289	0.20832908	1.6556279	0.236286543
## 187	2.0224628998	0.74027419	1.6266340	0.221863482
## 188	-0.4719224340	-0.48541658	1.6952128	0.512443742
## 189	2.0217463743	0.74026655	1.5379357	-1.113124165
## 190	2.7179226754	2.03654598	1.5920040	-1.122625613
## 191	-0.4180843679	-0.45016185	1.6158476	-0.992339568
## 192	0.0909031192	-0.17458750	1.6326699	-0.695675647
## 193	-0.2186944421	-0.15123367	1.6128365	-1.162955501
## 194	-0.1393811253	0.17193237	1.6155569	-0.386229201
## 195	2.4220106041	2.24584726	1.5753089	-1.207933579
## 196	0.6700640224	0.90467489	1.6004469	-1.116473596
## 197	2.4220557309	2.24584774	1.5808951	-1.123856016
##	HGRE_align.W.ADC	LGSRE_align.W.ADC	HGSRE_align.W.ADC	LGHRE_align.W.ADC
## 1	-0.72391839	0.107487914	-0.72254855	0.077168309
## 2	0.31043574	0.016603895	0.31244050	-0.012162463
## 3	-0.74102269	0.020376439	-0.73855319	-0.006809308
## 4	0.48049736	0.065989928	0.48251611	0.075830020
## 5	-0.02339079	0.010430641	-0.02076085	-0.018184762
## 6	1.12446188	0.001170760	1.13430855	-0.026883639
## 7	0.63092525	0.036152533	0.63778269	0.006908151
## 8	0.32550704	0.001856677	0.32230609	-0.026214494
## 9	0.37513773	0.091025903	0.38089701	0.060439700
## 10	-0.38739661	0.016260936	-0.38290334	-0.011827891
## 11	0.41748237	0.055701171	0.42101071	0.034677642
## 12	-0.44925685	0.057073005	-0.44599729	0.032001065
## 13	-1.04530754	-0.007403205	-1.04595373	-0.033240510
## 14	0.74167968	-0.008089122	0.74548446	-0.035917088
## 15	-0.16472009	-0.030724387	-0.16619656	-0.057664279
## 16	0.32243377	0.072506141	0.32341144	0.042707374
## 17	0.28056314	0.013517268	0.28411430	-0.014839040
## 18	-0.35568372	0.200086726	-0.35447488	0.192595711
## 19	-0.79105256	0.001170760	-0.78881660	-0.025210778
## 20	0.15146730	0.416493580	0.15259271	0.813561675
## 21	0.40453798	-0.002601785	0.40666119	-0.028221928
## 22	-1.09026134	0.299544710	-1.08864171	0.268209023
## 23	-1.22314915	0.068733597	-1.22410663	0.049064246
## 24	0.32920727	0.027578569	0.33078697	-0.001456153
## 25	-0.81464200	0.049870876	-0.81584294	0.020960183
## 26	-0.39708600	0.367450506	-0.39578019	0.395011879
## 27	-0.50668983	0.058444840	-0.50558377	0.029324487
## 28	-0.86064199	0.064618094	-0.85982270	0.048729674
## 29	-0.59873483	0.024834900	-0.59679940	-0.003463586
## 30	-1.18818974	0.013174309	-1.18944084	-0.012831607
## 31	-1.19316284	0.381168848	-1.19217415	0.349175490
## 32	0.22832157	-0.026951843	0.23060885	-0.054318557
## 33	0.39161871	0.265934771	0.39394933	0.412409632
## 34	-0.77316055	0.185339508	-0.77299256	0.153785338
## 35	-0.64503215	0.025520818	-0.64318114	-0.003129014
## 36	0.48699911	0.022777149	0.49022908	-0.006140164
## 37	0.22689540	0.566023514	0.23065306	0.777427879

## 38	-0.55798383	0.099942826	-0.55757501	0.069807721
## 39	-0.32934646	0.089311110	-0.32738026	0.094231490
## 40	-0.62048557	-0.007403205	-0.62207286	-0.034913371
## 41	-0.10981842	0.157216906	-0.11087667	0.208320603
## 42	-1.17288361	0.123264008	-1.17264240	0.106610661
## 43	0.24523205	0.411692160	0.24657394	0.818580257
## 44	-1.19316296	0.345844116	-1.19217428	0.314714556
## 45	-1.19905331	0.785859953	-1.19829321	0.740959512
## 46	0.03041747	0.467594406	0.03452493	0.428134524
## 47	0.84949030	0.665138539	0.85947915	0.657316467
## 48	-0.95976184	0.472395826	-0.95965449	0.433822252
## 49	-1.26580672	0.803350840	-1.26566150	0.760030126
## 50	0.24494109	0.437757011	0.24490448	0.401034178
## 51	-0.12938139	0.431583757	-0.13068749	0.393004446
## 52	0.37848274	0.469652158	0.37958232	0.440513695
## 53	0.59476108	0.768712025	0.59801023	0.947390546
## 54	-1.20552347	0.532070616	-1.20617949	0.494714388
## 55	-1.31354379	0.816383265	-1.31363931	0.773413013
## 56	-0.66313522	0.674398420	-0.65904252	0.629546976
## 57	0.62209970	0.447359851	0.62267695	0.408060194
## 58	-0.12248601	0.437414053	-0.11858606	0.399026745
## 59	-1.22680267	0.894920776	-1.22613518	0.848357181
## 60	-0.27864677	0.515265646	-0.27943511	0.518803585
## 61	-0.45205587	1.242680760	-0.45073912	1.522185549
## 62	-0.36405124	0.441872514	-0.36309331	0.403041611
## 63	0.34406170	0.439814762	0.34674155	0.401034178
## 64	-0.62991482	0.434327425	-0.63968854	0.396015595
## 65	-1.09923545	0.554362923	-1.09926764	0.514788719
## 66	-0.64980378	0.458677483	-0.65016649	0.419770220
## 67	-0.68894434	0.446673934	-0.68820935	0.407725622
## 68	0.26063446	0.904523616	0.26525100	1.016312415
## 69	-0.27785229	0.484742334	-0.27518147	0.444863133
## 70	0.89319435	0.633586351	0.90524740	0.590067459
## 71	-0.90195011	0.603646068	-0.90265621	0.560959679
## 72	1.30686553	0.623914919	1.30997789	0.609706846
## 73	-1.00436243	0.610299464	-1.00381587	0.568253353
## 74	-0.61252133	0.550247420	-0.62259609	0.509100992
## 75	-0.52249790	0.567326756	-0.52448811	0.525361200
## 76	-0.48608233	0.678411035	-0.48245073	0.633595300
## 77	-1.24815171	0.808529514	-1.24814982	0.763610048
## 78	-0.69070765	0.567258165	-0.69172951	0.525361200
## 79	-0.27785373	0.083480815	-0.27518292	0.053413684
## 80	0.72798378	0.052820319	0.72830150	0.023302188
## 81	-0.11605738	0.062217384	-0.11971883	0.038090278
## 82	0.09640730	0.049459325	0.09737331	0.020090295
## 83	-0.38586243	0.063246260	-0.38708826	0.033607011
## 84	-0.98782263	0.156462397	-0.98686771	0.127220307
## 85	-1.04352445	0.085024128	-1.04445309	0.055554946
## 86	1.08429742	0.052168698	1.06074679	0.022699958
## 87	0.70156525	0.057450260	0.68252023	0.027852370
## 88	-0.61829544	0.050145242	-0.62754876	0.021227840
## 89	-0.91609695	0.192438751	-0.91730034	0.177004647
## 90	-0.61829784	-0.619652832	-0.62755119	-0.632191625
## 91	-0.39740841	-0.624385661	-0.40027861	-0.637143293

## 92	-1.00436662	-0.559189238	-1.00382011	-0.572637777
## 93	-0.69071116	-0.410173742	-0.69173305	-0.428169510
## 94	0.74167739	-0.644585920	0.74548215	-0.657050338
## 95	0.37812693	-0.286811546	0.38107372	-0.111898429
## 96	-0.16472237	-0.667186889	-0.16619886	-0.678764072
## 97	-0.12938517	-0.621299033	-0.13069131	-0.634165601
## 98	-0.16472222	-0.625002986	-0.16619871	-0.637611694
## 99	-0.36405083	0.555048840	-0.36309290	0.513450430
## 100	-0.38586483	-0.606551815	-0.38709068	-0.619812454
## 101	-1.04352686	-0.584773946	-1.04445552	-0.597864519
## 102	-1.00436687	-0.628123909	-1.00382036	-0.639886785
## 103	-1.00436620	-0.442240367	-1.00381968	-0.458548664
## 104	0.74167755	-0.602402017	0.74548230	-0.615897960
## 105	-1.00436585	-0.342782384	-1.00381932	-0.361522732
## 106	0.37812875	0.220767128	0.38107556	0.383268395
## 107	-0.58281452	0.448525910	-0.58069624	0.421710739
## 108	-0.39740477	0.390771688	-0.40027493	0.353190356
## 109	-0.35111317	0.437551236	-0.35029577	0.398692173
## 110	0.39183416	0.407542362	0.39009997	0.373766545
## 111	-0.50043843	0.429697485	-0.50147095	0.395413365
## 112	0.14830214	0.425513390	0.15107885	0.386948689
## 113	-1.00436637	-0.487167939	-1.00381985	-0.502377619
## 114	-0.61829758	-0.547631534	-0.62755093	-0.561931467
## 115	-0.48608627	-0.419056368	-0.48245470	-0.437035673
## 116	-1.04352660	-0.512752648	-1.04445526	-0.527604362
## 117	0.28056127	-0.508808625	0.28411240	-0.524392469
## 118	0.41748049	-0.466624721	0.42100882	-0.474875786
## 119	0.03041395	-0.513267086	0.03452138	-0.528741907
## 120	-0.61830361	-2.228128496	-0.62755702	-2.201335144
## 121	-0.39741419	-2.232861324	-0.40028444	-2.206286812
## 122	-1.00437240	-2.167664901	-1.00382594	-2.141781296
## 123	-0.69071693	-2.018649405	-0.69173888	-1.997313029
## 124	0.74167162	-2.253061584	0.74547632	-2.226193857
## 125	0.37812115	-1.895287210	0.38106789	-1.681041948
## 126	-0.16472815	-2.275662553	-0.16620469	-2.247907591
## 127	-0.12939095	-2.229774697	-0.13069714	-2.203309120
## 128	-0.16472799	-2.233478650	-0.16620454	-2.206755213
## 129	-0.36405661	-1.053426824	-0.36309873	-1.055693089
## 130	-0.38587061	-2.215027479	-0.38709651	-2.188955973
## 131	-1.04353263	-2.193249610	-1.04446135	-2.167008038
## 132	-1.00437265	-2.236599572	-1.00382619	-2.209030304
## 133	-1.00437198	-2.050716031	-1.00382551	-2.027692183
## 134	0.74167177	-2.210877680	0.74547648	-2.185041479
## 135	-1.00437162	-1.951258047	-1.00382515	-1.930666251
## 136	0.37812297	-1.387708536	0.38106973	-1.185875124
## 137	-0.58282030	-1.159949754	-0.58070206	-1.147432780
## 138	-0.39741054	-1.217703976	-0.40028076	-1.215953163
## 139	-0.35111894	-1.170924428	-0.35030160	-1.170451346
## 140	0.39182839	-1.200933302	0.39009414	-1.195376974
## 141	-0.50044420	-1.178778179	-0.50147678	-1.173730154
## 142	0.14829637	-1.182962273	0.15107302	-1.182194830
## 143	-1.00437214	-2.095643603	-1.00382568	-2.071521138
## 144	-0.61830335	-2.156107198	-0.62755676	-2.131074986
## 145	-1.04353237	-2.121228312	-1.04446108	-2.096747881

## 146	0.28055550	-2.117284288	0.28410657	-2.093535988
## 147	0.41747472	-2.075100385	0.42100299	-2.044019305
## 148	-1.06999702	1.733454465	-1.06897193	1.672073886
## 149	1.95149861	1.002266807	1.95216004	0.954081990
## 150	1.20285364	0.989920299	1.20097610	0.938022525
## 151	2.21858191	1.066057100	2.22151571	1.033041024
## 152	2.65113859	1.664176835	2.65837154	2.046794726
## 153	-0.94943052	1.190894017	-0.95000789	1.141442410
## 154	-1.16547115	1.759519315	-1.16492753	1.698839660
## 155	0.13534598	1.475549625	0.14426604	1.411107586
## 156	2.70581582	1.021472486	2.70770497	0.968134021
## 157	1.21664441	1.001580890	1.22517897	0.950067124
## 158	-0.99198892	1.916594338	-0.98991929	1.848727996
## 159	0.90432288	1.157284078	0.90348087	1.189620804
## 160	0.55750469	2.612114305	0.56087284	3.196384733
## 161	0.73351395	1.010497812	0.73616446	0.958096856
## 162	2.14973982	1.006382310	2.15583418	0.954081990
## 163	0.20178678	0.995407636	0.18297401	0.944044824
## 164	-0.73685448	1.235478630	-0.73618419	1.181591071
## 165	0.16200887	1.044107752	0.16201809	0.991554074
## 166	0.08372774	1.020100652	0.08593237	0.967464877
## 167	1.98288534	1.935800017	1.99285307	2.184638464
## 168	0.90591185	1.096237453	0.91198815	1.041739901
## 169	3.24800512	1.393925487	3.27284588	1.332148552
## 170	-0.34228379	1.334044921	-0.34296134	1.273932993
## 171	4.07534748	1.374582624	4.08230685	1.371427326
## 172	-0.54710843	1.347351714	-0.54528066	1.288520340
## 173	0.23657376	1.227247625	0.21715890	1.170215617
## 174	0.41662062	1.261406298	0.41337486	1.202736033
## 175	0.48945177	1.483574855	0.49744963	1.419204233
## 176	-1.03468700	1.743811813	-1.03394856	1.679233730
## 177	0.08020112	1.261269114	0.07889207	1.202736033
## 178	0.90590897	0.293714414	0.91198524	0.258841002
## 179	2.91758398	0.232393423	2.91895409	0.198618010
## 180	1.22950166	0.251187552	1.22291343	0.228194190
## 181	1.65443102	0.225671435	1.65709769	0.192194224
## 182	0.68989156	0.253245304	0.68817457	0.219227656
## 183	-0.51402884	0.439677579	-0.51138434	0.406454247
## 184	-0.62543249	0.296801041	-0.62655510	0.263123526
## 185	3.63021127	0.231090181	3.58384466	0.197413550
## 186	2.86474693	0.241653304	2.82739155	0.207718373
## 187	0.22502555	0.227043270	0.20725355	0.194469315
## 188	-0.37057748	0.511630286	-0.37224960	0.506022928
## 189	0.22502074	-1.112552880	0.20724870	-1.112369616
## 190	0.66679960	-1.122018536	0.66179387	-1.122272953
## 191	-0.54711682	-0.991625691	-0.54528914	-0.993261920
## 192	0.08019410	-0.693594699	0.07888499	-0.704325387
## 193	2.94497121	-1.162419055	2.95331538	-1.162087042
## 194	2.21787028	-0.446870308	2.22449852	-0.071783225
## 195	1.13217168	-1.207620994	1.12995335	-1.205514511
## 196	1.20284608	-1.115845282	1.20096847	-1.116317568
## 197	1.13217198	-1.123253187	1.12995366	-1.123209755
##	HGLRE_align.W.ADC	GLNU_norm_align.W.ADC	RLNU_norm_align.W.ADC	
## 1	-0.72942321	0.119903860	-0.5601024	

## 2	0.30239721	-0.034427562	-0.5440640
## 3	-0.74942271	-0.087285258	-0.5487189
## 4	0.47104532	-0.161677571	-0.5538576
## 5	-0.03187296	-0.110125004	-0.5451701
## 6	1.08473714	-0.222692320	-0.5301456
## 7	0.60288551	-0.092179489	-0.5330491
## 8	0.33602543	-0.038669229	-0.5570146
## 9	0.35074301	0.027566032	-0.5291548
## 10	-0.40525449	-0.135248723	-0.5490645
## 11	0.40381028	-0.085001284	-0.5410914
## 12	-0.46181369	-0.136880134	-0.5462301
## 13	-1.04196102	0.120556424	-0.6018115
## 14	0.72489685	-0.091200643	-0.5478432
## 15	-0.15902196	-0.067382052	-0.5842062
## 16	0.31676932	-0.062487821	-0.5487649
## 17	0.26755713	-0.001799355	-0.5406536
## 18	-0.36036951	-0.118282055	-0.5471288
## 19	-0.79952396	-0.107514747	-0.5633977
## 20	0.14599272	-0.169182059	-0.5641120
## 21	0.39543674	-0.130028210	-0.5556781
## 22	-1.09599569	0.150900657	-0.5510002
## 23	-1.21838502	0.231492329	-0.5977098
## 24	0.32162306	-0.147647442	-0.5527285
## 25	-0.80939669	-0.012566663	-0.5607246
## 26	-0.40210557	-0.136880134	-0.5460227
## 27	-0.51092559	-0.136553852	-0.5469906
## 28	-0.86352115	-0.057593589	-0.5619690
## 29	-0.60637373	-0.105557055	-0.5437414
## 30	-1.18255104	0.229860919	-0.5984472
## 31	-1.19629053	0.303926950	-0.5575446
## 32	0.21856238	-0.089569233	-0.5572911
## 33	0.38111558	-0.193979497	-0.5570376
## 34	-0.77334598	-0.072928847	-0.5500554
## 35	-0.65171843	-0.091200643	-0.5352613
## 36	0.47277326	-0.169182059	-0.5493180
## 37	0.21132362	-0.200178856	-0.5479354
## 38	-0.55673652	-0.033122434	-0.5417597
## 39	-0.33748191	-0.092505771	-0.5509771
## 40	-0.61443877	0.113051936	-0.5735369
## 41	-0.10627869	-0.138837826	-0.5650338
## 42	-1.17317373	0.032786545	-0.5637203
## 43	0.23879359	-0.182233342	-0.5649186
## 44	-1.19629065	0.270319896	-0.5599181
## 45	-1.20129846	0.826304553	-0.5133698
## 46	0.01416493	0.348301312	-0.5205595
## 47	0.80804613	0.274561563	-0.4984145
## 48	-0.95969092	0.379624392	-0.5239469
## 49	-1.26557763	0.748649419	-0.5286017
## 50	0.24496061	0.300664129	-0.5296617
## 51	-0.12413125	0.308821181	-0.5341552
## 52	0.37358666	0.277171820	-0.5251221
## 53	0.58048956	0.220398739	-0.5245691
## 54	-1.20209447	0.537544916	-0.5456540
## 55	-1.31230340	0.908527636	-0.5291548

## 56	-0.67913381	0.505895555	-0.4926535
## 57	0.61925309	0.315020541	-0.5195916
## 58	-0.13832223	0.289244257	-0.5316665
## 59	-1.22864031	0.762026984	-0.5106968
## 60	-0.27560176	0.399853880	-0.5436723
## 61	-0.45707342	0.280108359	-0.5203521
## 62	-0.36819787	0.385171187	-0.5295235
## 63	0.33197396	0.237365407	-0.5215964
## 64	-0.58822775	0.688939799	-0.5972950
## 65	-1.09846709	0.441617986	-0.5305374
## 66	-0.64764692	0.433134652	-0.5309522
## 67	-0.69195175	0.368530801	-0.5228408
## 68	0.24165539	0.221051303	-0.5124481
## 69	-0.28791845	0.462500039	-0.5230251
## 70	0.84379950	0.492191708	-0.4899574
## 71	-0.89909109	0.692267876	-0.5172965
## 72	1.29258540	0.344320671	-0.5146994
## 73	-1.00604175	0.584921073	-0.5112775
## 74	-0.56990240	0.795079358	-0.5898496
## 75	-0.51445104	0.681370055	-0.5259033
## 76	-0.50067313	0.583713830	-0.4860815
## 77	-1.24718917	0.734815059	-0.5145520
## 78	-0.68703822	0.665610631	-0.5207692
## 79	-0.28791984	0.080750011	-0.5499863
## 80	0.72634150	-0.067708334	-0.5477487
## 81	-0.10178759	0.014482121	-0.5620796
## 82	0.09201899	0.015983019	-0.5552610
## 83	-0.38134966	0.098140845	-0.5559292
## 84	-0.99113278	0.035168405	-0.5605495
## 85	-1.03948519	0.154979183	-0.5629299
## 86	1.18225395	-0.135966544	-0.5933061
## 87	0.78373182	0.169107197	-0.5903611
## 88	-0.57913827	0.276682397	-0.6189630
## 89	-0.91076989	-0.043237178	-0.5535811
## 90	-0.57914059	-0.360546496	-0.6639673
## 91	-0.38626644	-0.567083050	-0.6136468
## 92	-1.00604578	-0.527700804	-0.5898565
## 93	-0.68704159	-0.264293284	-0.5864437
## 94	0.72489466	-0.696714919	-0.5906054
## 95	0.36596248	-0.750290435	-0.5890822
## 96	-0.15902415	-0.672863699	-0.6269660
## 97	-0.12413488	-0.692766906	-0.6048925
## 98	-0.15902401	-0.632731004	-0.6241317
## 99	-0.36819748	0.492844272	-0.5219190
## 100	-0.38135197	-0.539088048	-0.6009336
## 101	-1.03948750	-0.482249710	-0.6079342
## 102	-1.00604602	-0.593283501	-0.5944882
## 103	-1.00604538	-0.416438616	-0.5819986
## 104	0.72489480	-0.656582223	-0.5877710
## 105	-1.00604504	-0.321816814	-0.5753159
## 106	0.36596423	-0.267392964	-0.5549775
## 107	-0.59070015	0.306210925	-0.5261429
## 108	-0.38626294	0.235570855	-0.5454374
## 109	-0.35413759	0.205161366	-0.5199903

## 110	0.39837645	0.299097975	-0.5374344
## 111	-0.49625176	0.401387406	-0.5526225
## 112	0.13624157	0.316521438	-0.5233316
## 113	-1.00604554	-0.459181568	-0.5850173
## 114	-0.57914034	-0.292027261	-0.6591281
## 115	-0.50067692	-0.460388811	-0.5598213
## 116	-1.03948726	-0.413730475	-0.6030951
## 117	0.26755532	-0.498726955	-0.5757491
## 118	0.40380848	-0.581928885	-0.5761869
## 119	0.01416155	-0.584865423	-0.5864644
## 120	-0.57914614	-1.890809430	-0.7720422
## 121	-0.38627199	-2.097345983	-0.7217217
## 122	-1.00605134	-2.057963737	-0.6979314
## 123	-0.68704714	-1.794556218	-0.6945186
## 124	0.72488910	-2.226977852	-0.6986803
## 125	0.36595693	-2.280553369	-0.6971571
## 126	-0.15902971	-2.203126632	-0.7350410
## 127	-0.12414043	-2.223029839	-0.7129674
## 128	-0.15902956	-2.162993937	-0.7322066
## 129	-0.36820303	-1.037418662	-0.6299940
## 130	-0.38135753	-2.069350981	-0.7090085
## 131	-1.03949306	-2.012512644	-0.7160092
## 132	-1.00605157	-2.123546434	-0.7025632
## 133	-1.00605093	-1.946701549	-0.6900735
## 134	0.72488925	-2.186845157	-0.6958459
## 135	-1.00605059	-1.852079747	-0.6833908
## 136	0.36595868	-1.797655897	-0.6630525
## 137	-0.59070570	-1.224052009	-0.6342179
## 138	-0.38626849	-1.294692078	-0.6535124
## 139	-0.35414314	-1.325101568	-0.6280652
## 140	0.39837090	-1.231164958	-0.6455093
## 141	-0.49625731	-1.128875527	-0.6606974
## 142	0.13623602	-1.213741495	-0.6314066
## 143	-1.00605109	-1.989444501	-0.6930922
## 144	-0.57914589	-1.822290194	-0.7672031
## 145	-1.03949281	-1.943993408	-0.7111700
## 146	0.26754977	-2.028989889	-0.6838240
## 147	0.40380293	-2.112191818	-0.6842619
## 148	-1.07350617	2.008750794	1.7497055
## 149	1.94757031	1.112780215	1.7475855
## 150	1.20938660	1.129094319	1.7385984
## 151	2.20482242	1.065795596	1.7566647
## 152	2.61862822	0.952249434	1.7577708
## 153	-0.94653985	1.586541788	1.7156008
## 154	-1.16695771	2.328507228	1.7485994
## 155	0.09938148	1.523243066	1.8216018
## 156	2.69615527	1.141493037	1.7677257
## 157	1.18100463	1.089940470	1.7435759
## 158	-0.99963152	2.035505924	1.7855154
## 159	0.90644558	1.311159717	1.7195643
## 160	0.54350225	1.071668673	1.7662048
## 161	0.72125335	1.281794330	1.7478620
## 162	2.12159701	0.986182770	1.7637161
## 163	0.28119360	1.889331554	1.6123190

## 164	-0.73928508	1.394687928	1.7458342	
## 165	0.16235525	1.377721260	1.7450046	
## 166	0.07374560	1.248513558	1.7612273	
## 167	1.94095987	0.953554562	1.7820128	
## 168	0.88181220	1.436452034	1.7608586	
## 169	3.14524809	1.495835371	1.8269941	
## 170	-0.34053309	1.895987708	1.7723160	
## 171	4.04281990	1.200093298	1.7775100	
## 172	-0.55443440	1.681294103	1.7843540	
## 173	0.31784430	2.101610672	1.6272098	
## 174	0.42874702	1.874192066	1.7551023	
## 175	0.45630283	1.678879616	1.8347459	
## 176	-1.03672924	1.981082074	1.7778050	
## 177	0.08357266	1.842673217	1.7653706	
## 178	0.88180943	0.672951977	1.7069364	
## 179	2.91033210	0.376035289	1.7114115	
## 180	1.25407392	0.540416198	1.6827497	
## 181	1.64168707	0.543417993	1.6963870	
## 182	0.69494977	0.707733646	1.6950505	
## 183	-0.52461646	0.581788765	1.6858099	
## 184	-0.62132129	0.821410322	1.6810491	
## 185	3.82215699	0.239518868	1.6202967	
## 186	3.02511273	0.849666349	1.6261867	
## 187	0.29937255	1.064816750	1.5689830	
## 188	-0.36389068	0.424977600	1.6997468	
## 189	0.29936793	-0.209641037	1.4789743	
## 190	0.68511621	-0.622714144	1.5796154	
## 191	-0.55444247	-0.543949651	1.6271960	
## 192	0.08356592	-0.017134612	1.6340215	
## 193	2.90743841	-0.881977881	1.6256981	
## 194	2.18957405	-0.989128915	1.6287445	
## 195	1.13960079	-0.834275442	1.5529768	
## 196	1.20937933	-0.874081855	1.5971240	
## 197	1.13960108	-0.754010051	1.5586456	
##	GLVAR_align.W.ADC	RLVAR_align.W.ADC	Entropy_align.W.ADC	SZSE.W.ADC
## 1	0.0390388995	-0.071890165	-0.4489178	-0.5288302
## 2	-0.3518347261	-0.164827428	-0.5433374	-0.5737026
## 3	1.0925597603	-0.107886993	-0.5008749	-0.5217499
## 4	0.2872015907	-0.093815506	-0.3577119	-0.5381157
## 5	-0.0005432957	-0.134720991	-0.4469533	-0.5472388
## 6	2.1850902501	-0.268890983	-0.2581106	-0.5320105
## 7	0.1753838456	-0.248601862	-0.4744916	-0.5680384
## 8	-0.1831315721	-0.085634409	-0.5109698	-0.5760008
## 9	-0.4351550948	-0.291798055	-0.4420297	-0.5130911
## 10	1.4817722835	-0.131775796	-0.3813352	-0.5531815
## 11	-0.1758818172	-0.179880647	-0.4725515	-0.5408550
## 12	0.1020446681	-0.144538307	-0.4043826	-0.5329854
## 13	-0.5263366532	0.290696057	-0.6149887	-0.6074556
## 14	-0.1664714260	-0.148792478	-0.4613156	-0.5340301
## 15	-0.0133247641	0.147035992	-0.4514965	-0.5336819
## 16	-0.2217847789	-0.147810746	-0.4812785	-0.5477263
## 17	-0.5882686346	-0.176935452	-0.4731517	-0.5563850
## 18	-0.1043300490	-0.145847283	-0.4133853	-0.5417139
## 19	0.4021111484	-0.013640754	-0.4140099	-0.5661117

## 20	0.5487804222	0.057698412	-0.3213978	-0.5548761
## 21	0.0855807243	-0.075817092	-0.3958580	-0.5516262
## 22	-0.3678016532	-0.136684454	-0.7757522	-0.5334265
## 23	-0.9872216369	0.240627743	-0.7446931	-0.5684098
## 24	0.0928270786	-0.111159431	-0.3794125	-0.5430371
## 25	-0.7383358734	-0.034911607	-0.5912224	-0.5777186
## 26	0.0671416967	-0.150428697	-0.3856655	-0.5439888
## 27	0.2543849055	-0.146174527	-0.5017996	-0.5427121
## 28	-0.2081638297	-0.039493021	-0.5140614	-0.5622117
## 29	-0.0361547488	-0.176935452	-0.4740519	-0.5363282
## 30	-1.0550571221	0.237028060	-0.7518463	-0.6429961
## 31	-0.7153604307	-0.090215823	-0.8924970	-0.5746080
## 32	0.2020678607	-0.072217409	-0.4123594	-0.5504887
## 33	0.8766243304	-0.049964825	-0.2771208	-0.5735865
## 34	-0.1253955977	-0.125885406	-0.5168215	-0.5781829
## 35	-0.3256955985	-0.229948961	-0.4888191	-0.5357247
## 36	0.4985851977	-0.136029967	-0.7000009	-0.5463334
## 37	1.2718878981	-0.108214236	-0.2634982	-0.5387193
## 38	0.2838306189	-0.119995016	-0.5727809	-0.5834292
## 39	0.0642016027	-0.114104626	-0.5112419	-0.5346568
## 40	-0.8256735898	0.040027243	-0.6605009	-0.5880256
## 41	0.2282337443	-0.002841706	-0.4833268	-0.5603778
## 42	-0.7237533936	-0.022149095	-0.6248881	-0.5706848
## 43	0.7695916998	0.067515729	-0.2966231	-0.5187321
## 44	-0.7153617883	-0.123921943	-0.8928564	-0.5769990
## 45	-0.8055465193	0.252408523	-0.9261801	-0.5438728
## 46	0.1527265099	0.331601542	-0.4557361	-0.5540869
## 47	1.7368661613	0.146381504	-0.8673803	-0.5358175
## 48	-0.5809931122	0.349599956	-0.5298020	-0.5274838
## 49	-0.9767646098	0.360726248	-0.8904103	-0.5577547
## 50	-0.0970550012	0.406540391	-0.7894097	-0.5355854
## 51	-0.1926894905	0.435010609	-0.9912678	-0.5543190
## 52	0.1631988261	0.366616638	-0.9024522	-0.5088198
## 53	1.2908658162	0.376761198	-0.2304292	-0.5153429
## 54	-0.9303694292	0.517476068	-0.6765731	-0.5318480
## 55	-1.1055960498	0.364653174	-0.9747386	-0.5722401
## 56	-0.2372069372	0.105476019	-0.6808615	-0.5592868
## 57	-0.0773179758	0.326692884	-0.4234312	-0.5170143
## 58	0.9941309117	0.408503855	-0.5505116	-0.5427121
## 59	-0.7902391089	0.233428377	-0.9109663	-0.5460549
## 60	-0.0424620581	0.510276702	-0.8062809	-0.5329390
## 61	0.3937633150	0.360399004	-0.3458968	-0.5122787
## 62	-0.3353388991	0.387887490	-0.4940148	-0.5139501
## 63	1.1030494218	0.319166275	-0.8865406	-0.5296426
## 64	-1.1090849195	1.004414966	-0.7354566	-0.6073628
## 65	-0.6364656306	0.401958977	-0.5882878	-0.5508834
## 66	-0.6766080815	0.405885904	-0.5859534	-0.5429210
## 67	-0.5695656315	0.332256030	-0.5084434	-0.5406460
## 68	1.3869902444	0.284151179	-0.2343862	-0.4992557
## 69	-0.4851412662	0.347636492	-0.5939581	-0.5303623
## 70	0.0185430041	0.086168630	-0.6685509	-0.5268941
## 71	-1.0429506903	0.453434440	-0.7102538	-0.5344827
## 72	1.2469630825	0.454808864	-0.2325849	-0.5025126
## 73	-0.8158544836	0.426698615	-0.6327249	-0.5480350

## 74	-1.1389261255	1.111129196	-0.7408554	-0.6041755
## 75	-1.0204642928	0.537208874	-0.6940982	-0.5863565
## 76	-0.6137701814	0.225541800	-0.6514648	-0.5066818
## 77	-0.9779352382	0.455757871	-0.7752892	-0.5308266
## 78	-0.9981908880	0.477159621	-0.6853049	-0.5042675
## 79	-0.4851566872	-0.035238851	-0.5980407	-0.5575225
## 80	0.0079617210	-0.020971017	-0.4001298	-0.5173207
## 81	-0.5797879408	0.082798018	-0.4883742	-0.5571627
## 82	-0.1005591811	0.022552419	-0.4580031	-0.5399821
## 83	-0.7346904821	0.025530339	-0.5886713	-0.5818855
## 84	-0.0529297876	0.052364337	-0.5304807	-0.5485759
## 85	-0.9571169655	0.069577365	-0.6711226	-0.5463427
## 86	-0.6495589308	0.367794716	-0.6099542	-0.5407366
## 87	-0.6112031681	0.367794716	-0.5977971	-0.5844808
## 88	-1.0860492270	0.593527546	-0.7070878	-0.6231157
## 89	-0.7539180842	0.028082841	-0.2793418	-0.5478168
## 90	-1.0860749681	-0.045579757	-0.7139026	-0.6684524
## 91	-0.7626585290	-0.511869566	-0.5666741	-0.6010950
## 92	-0.8158994284	-0.689203026	-0.6446238	-0.5807666
## 93	-0.9982284519	-0.455485445	-0.6952497	-0.5704271
## 94	-0.1664958940	-0.756222573	-0.4677902	-0.5771197
## 95	0.8579407539	-0.667048615	-0.3096476	-0.5833619
## 96	-0.0133492241	-0.460230481	-0.4579731	-0.6231970
## 97	-0.1927299554	-0.569693560	-0.4318972	-0.5791602
## 98	-0.0133476030	-0.419979484	-0.4575439	-0.6203416
## 99	-0.3353345496	0.495877971	-0.4928633	-0.5062895
## 100	-0.7347162233	-0.613576965	-0.5954861	-0.6272222
## 101	-0.9571427066	-0.569529938	-0.6779374	-0.5916794
## 102	-0.8159020777	-0.754979047	-0.6453252	-0.5854326
## 103	-0.8158949340	-0.577612862	-0.6434339	-0.5728507
## 104	-0.1664942728	-0.715971576	-0.4673610	-0.5742644
## 105	-0.8158911117	-0.482712136	-0.6424220	-0.5661186
## 106	0.8579602607	-0.182727669	-0.3044833	-0.5490054
## 107	-0.0287161529	0.325972947	-0.4472638	-0.5052681
## 108	-0.7626195153	0.456772327	-0.4516636	-0.4859541
## 109	-0.7428676542	0.267723536	-0.5835053	-0.5172371
## 110	-0.2936436314	0.407685745	-0.6171252	-0.5345199
## 111	-0.2922268724	0.518490524	-0.5071967	-0.5317853
## 112	0.0243776212	0.277933545	-0.7976639	-0.5704968
## 113	-0.8158966606	-0.620481811	-0.6438910	-0.5758917
## 114	-1.0860722003	0.023141458	-0.7131699	-0.6635775
## 115	-0.6138123584	-0.821638626	-0.6626308	-0.5809662
## 116	-0.9571399388	-0.500808723	-0.6772046	-0.5868045
## 117	-0.5882887082	-0.675327886	-0.4784660	-0.5917398
## 118	-0.1759018908	-0.678273081	-0.4778658	-0.5762097
## 119	0.1526888142	-0.604315963	-0.4657158	-0.6204786
## 120	-1.0861367838	-1.580353568	-0.7302679	-0.7773256
## 121	-0.7627203447	-2.046643377	-0.5830394	-0.7099682
## 122	-0.8159612441	-2.223976837	-0.6609891	-0.6896398
## 123	-0.9982902676	-1.990259256	-0.7116150	-0.6793003
## 124	-0.1665577097	-2.290996384	-0.4841555	-0.6859929
## 125	0.8578789382	-2.201822426	-0.3260129	-0.6922351
## 126	-0.0134110398	-1.995004292	-0.4743384	-0.7320701
## 127	-0.1927917711	-2.104467371	-0.4482625	-0.6880334

## 128	-0.0134094187	-1.954753295	-0.4739092	-0.7292148
## 129	-0.3353963653	-1.038895840	-0.5092285	-0.6151626
## 130	-0.7347780390	-2.148350776	-0.6118514	-0.7360954
## 131	-0.9572045223	-2.104303749	-0.6943027	-0.7005526
## 132	-0.8159638934	-2.289752858	-0.6616904	-0.6943057
## 133	-0.8159567496	-2.112386673	-0.6597992	-0.6817238
## 134	-0.1665560885	-2.250745387	-0.4837263	-0.6831375
## 135	-0.8159529274	-2.017485947	-0.6587873	-0.6749918
## 136	0.8578984451	-1.717501480	-0.3208486	-0.6578785
## 137	-0.0287779686	-1.208800864	-0.4636291	-0.6141412
## 138	-0.7626813310	-1.078001484	-0.4680289	-0.5948273
## 139	-0.7429294699	-1.267050275	-0.5998705	-0.6261103
## 140	-0.2937054471	-1.127088066	-0.6334905	-0.6433930
## 141	-0.2922886881	-1.016283287	-0.5235619	-0.6406584
## 142	0.0243158055	-1.256840266	-0.8140291	-0.6793699
## 143	-0.8159584763	-2.155255622	-0.6602563	-0.6847648
## 144	-1.0861340160	-1.511632353	-0.7295351	-0.7724507
## 145	-0.9572017545	-2.035582534	-0.6935699	-0.6956777
## 146	-0.5883505239	-2.210101697	-0.4948313	-0.7006130
## 147	-0.1759637065	-2.213046892	-0.4942311	-0.6850829
## 148	-0.4907972570	1.326422946	1.0915220	1.6989607
## 149	1.2686219603	1.418051234	1.2935232	1.7432992
## 150	1.0773529816	1.474991669	0.8898069	1.7058320
## 151	1.7891296149	1.338203726	1.0674381	1.7968304
## 152	4.0444635951	1.358492847	2.4114842	1.7837842
## 153	-0.3980068957	1.639922586	1.5191964	1.7507741
## 154	-0.7484601369	1.334276800	0.9228654	1.6699897
## 155	0.9883180883	0.815922489	1.5106195	1.6958964
## 156	1.3080960110	1.258356219	2.0254801	1.7804414
## 157	3.4509937860	1.421978160	1.7713194	1.7290459
## 158	-0.1177462552	1.071827205	1.0504099	1.7223603
## 159	1.3778078463	1.625523855	1.2597807	1.7485920
## 160	2.2502585926	1.325768459	2.1805489	1.7899127
## 161	0.7920541644	1.380745431	1.8843130	1.7865699
## 162	3.6688308062	1.243303000	1.0992614	1.7551847
## 163	-0.7554378764	2.613800382	1.4014293	1.5997445
## 164	0.1898007015	1.408888405	1.6957669	1.7127033
## 165	0.1095157996	1.416742258	1.7004357	1.7286280
## 166	0.3236006996	1.269482511	1.8554557	1.7331780
## 167	4.2367124514	1.173272809	2.4035702	1.8159587
## 168	0.4924494302	1.300243436	1.6844264	1.7537455
## 169	1.4998179709	0.777307711	1.5352407	1.7606818
## 170	-0.6231694180	1.511839330	1.4518350	1.7455045
## 171	3.9566581276	1.514588179	2.4071727	1.8094449
## 172	-0.1689770045	1.458367680	1.6068927	1.7184000
## 173	-0.8151202884	2.827228842	1.3906317	1.6061190
## 174	-0.5781966231	1.679388199	1.4841462	1.6417570
## 175	0.2351915999	1.056054050	1.5694131	1.8011064
## 176	-0.4931385138	1.516486194	1.3217643	1.7528169
## 177	-0.5336498133	1.559289693	1.5017327	1.8059349
## 178	0.4924185882	0.534492750	1.6762612	1.6994250
## 179	1.4786554045	0.563028416	2.0720831	1.7798286
## 180	0.3031560809	0.770566487	1.8955942	1.7001446
## 181	1.2616136004	0.650075289	1.9563363	1.7345058

## 182	-0.0066490016	0.656031128	1.6950000	1.6506990		
## 183	1.3568723874	0.709699125	1.8113811	1.7173182		
## 184	-0.4515019683	0.744125181	1.5300973	1.7217846		
## 185	0.1636141011	1.340559882	1.6524342	1.7329969		
## 186	0.2403256263	1.340559882	1.6767483	1.6455084		
## 187	-0.7093664913	1.792025543	1.4581669	1.5682386		
## 188	-0.0451042058	0.661136132	2.3136589	1.7188364		
## 189	-0.7094179736	0.513810936	1.4445373	1.4775651		
## 190	-0.0625850955	-0.418768681	1.7389943	1.6122800		
## 191	-0.1690668943	-0.773435602	1.5830950	1.6529368		
## 192	-0.5337249411	-0.306000439	1.4818431	1.6736157		
## 193	1.1297401746	-0.907474696	1.9367621	1.6602306		
## 194	3.1786134704	-0.729126780	2.2530474	1.6477462		
## 195	1.4360335143	-0.315490512	1.9563963	1.5680761		
## 196	1.0772720518	-0.534416670	2.0085481	1.6561496		
## 197	1.4360367567	-0.234988517	1.9572547	1.5737867		
##	LZSE.W.ADC	LGLZE.W.ADC	HGLZE.W.ADC	SZLGE.W.ADC	SZHGE.W.ADC	LZLGE.W.ADC
## 1	-0.6847176	0.113374483	-0.71989596	0.124313810	-0.70418503	0.0153100976
## 2	-0.6013426	0.022597678	0.30739854	0.032941631	0.30621407	-0.0673377492
## 3	-0.4855176	0.026380045	-0.74098507	0.035710485	-0.74294693	-0.0580514743
## 4	-0.6310472	0.053200465	0.47987855	0.044363154	0.49296111	0.0765995121
## 5	-0.5737353	0.016064499	-0.03008663	0.026365603	-0.02934976	-0.0729095142
## 6	-0.6652514	0.006780508	1.11776106	0.016674615	1.13227954	-0.0815767041
## 7	-0.5780441	0.043228770	0.62463198	0.053361929	0.62800823	-0.0487651994
## 8	-0.5481298	0.007812062	0.31241757	0.018059041	0.30015105	-0.0806480766
## 9	-0.7363861	0.096869609	0.36452130	0.107700687	0.38608242	-0.0007861122
## 10	-0.5828106	0.022253827	-0.37866318	0.031903311	-0.36779422	-0.0657900367
## 11	-0.6373199	0.066610674	0.41610194	0.077243294	0.42358781	-0.0277163095
## 12	-0.6598176	0.065579120	-0.44956946	0.075858867	-0.43721289	-0.0283353945
## 13	-0.2825043	-0.002159632	-1.03773444	0.006637519	-1.03763759	-0.0828148741
## 14	-0.6466622	-0.002847335	0.74265993	0.007329733	0.76185346	-0.0905534365
## 15	-0.4418377	-0.025885388	-0.15611509	-0.016205526	-0.16094753	-0.1103641564
## 16	-0.6172054	0.080020884	0.32340021	0.090741457	0.32724581	-0.0156441521
## 17	-0.5813044	0.019846866	0.28129758	0.030172777	0.27796643	-0.0698140892
## 18	-0.6307803	0.189709523	-0.35827418	0.177614248	-0.35337664	0.1682240914
## 19	-0.5126292	0.006436656	-0.78362766	0.015290188	-0.77739101	-0.0766240241
## 20	-0.5343452	0.389143412	0.15526132	0.299789927	0.15824310	1.2271689755
## 21	-0.5653082	0.004373547	0.41035943	0.014251867	0.41661765	-0.0837435016
## 22	-0.5989975	0.310401411	-1.08545294	0.320210224	-1.07532755	0.2032023936
## 23	-0.5038970	0.079677033	-1.22582673	0.089357030	-1.22478724	-0.0113105572
## 24	-0.6135257	0.033600927	0.32700945	0.044017047	0.33340222	-0.0574323893
## 25	-0.4506461	0.058014386	-0.81399093	0.068244519	-0.81918454	-0.0335976170
## 26	-0.6134876	0.345818119	-0.39807141	0.312941983	-0.39349260	0.4102863245
## 27	-0.5953941	0.065235268	-0.50381326	0.075512760	-0.49713454	-0.0274067670
## 28	-0.5178342	0.078989330	-0.86089011	0.089010923	-0.85983166	-0.0144059821
## 29	-0.6340024	0.030506264	-0.59974952	0.040555979	-0.59178519	-0.0592896443
## 30	-0.2157357	0.019846866	-1.18510809	0.028096137	-1.18977294	-0.0611468993
## 31	-0.7630783	0.387080303	-1.19660341	0.399122561	-1.18889951	0.2635631807
## 32	-0.5777582	-0.022103021	0.23354192	-0.012052245	0.24161997	-0.1072687314
## 33	-0.3318849	0.174236204	0.40374657	0.147849068	0.39205259	2.5807983173
## 34	-0.4811515	0.197961960	-0.76590444	0.207725534	-0.76720869	0.0982674870
## 35	-0.6513714	0.031193967	-0.64627093	0.041594300	-0.63937890	-0.0589801018
## 36	-0.5946886	0.028787006	0.49088324	0.039171553	0.49984380	-0.0617659843
## 37	-0.6323628	0.530810243	0.22868478	0.452422999	0.24147297	0.9352704003

## 38	-0.4401218	0.111655225	-0.56862225	0.121891063	-0.59131095	0.0146910126
## 39	-0.6525154	0.083115548	-0.33216701	0.081742681	-0.32256089	0.0824808196
## 40	-0.4474812	-0.001471929	-0.61854462	0.008368053	-0.62721137	-0.0880770965
## 41	-0.5478820	0.128503950	-0.10906346	0.097317485	-0.11117668	0.2812071030
## 42	-0.4802172	0.100308125	-1.17155938	0.080358254	-1.16913524	0.1146732393
## 43	-0.4212084	0.328969394	0.25124143	0.254103837	0.24583530	2.3356406592
## 44	-0.7650421	0.351663595	-1.19660354	0.363473567	-1.18889964	0.2316803034
## 45	-0.5841071	0.802109102	-1.20016754	0.816527288	-1.19696658	0.6381096027
## 46	-0.5994742	0.474418592	0.03362101	0.487379779	0.04836568	0.3394010926
## 47	-0.6867958	0.692076612	0.84651031	0.706811452	0.87612758	0.5353414935
## 48	-0.5357370	0.479576365	-0.96185038	0.491879167	-0.96135689	0.3465205700
## 49	-0.3822569	0.827210264	-1.26487588	0.840062546	-1.26400830	0.6715401924
## 50	-0.5844121	0.444847360	0.24366002	0.457960706	0.25056595	0.3127804378
## 51	-0.6118479	0.437626478	-0.13079445	0.450346358	-0.12214531	0.3062800453
## 52	-0.6008660	0.475106295	0.37712650	0.483572605	0.38701006	0.3573545574
## 53	-0.5645837	0.753969888	0.59593942	0.695389929	0.60450328	1.0349430845
## 54	-0.4785776	0.540781938	-1.20705331	0.552447846	-1.20607579	0.4068813570
## 55	-0.4146307	0.841652028	-1.31379351	0.853906816	-1.31330548	0.6823741798
## 56	-0.6859569	0.684168026	-0.66489445	0.698504890	-0.65268005	0.5282220161
## 57	-0.5727248	0.453787500	0.61277883	0.466613375	0.60790209	0.3205190002
## 58	-0.5633253	0.443471954	-0.11107447	0.456230173	-0.09517969	0.3121613528
## 59	-0.7294461	0.902513749	-1.22889117	0.917590455	-1.22199084	0.7288055545
## 60	-0.4903221	0.528059431	-0.27281038	0.531681442	-0.27066233	0.4335020118
## 61	-0.5720384	1.143553674	-0.45125482	1.017269196	-0.44528632	1.9217823400
## 62	-0.5940023	0.447942024	-0.36453441	0.461075667	-0.35758044	0.3158758627
## 63	-0.5128389	0.446222766	0.35033565	0.458999027	0.34874547	0.3143281503
## 64	-0.1189384	0.440721142	-0.62965954	0.453461319	-0.65844042	0.3109231828
## 65	-0.6267383	0.562100733	-1.09902708	0.575290891	-1.09244336	0.4214298544
## 66	-0.4942116	0.465822303	-0.65314780	0.478727111	-0.65972844	0.3325911576
## 67	-0.5582347	0.452755945	-0.68899914	0.465575055	-0.68517918	0.3208285427
## 68	-0.6369576	0.862970823	0.26377531	0.812027900	0.28362358	1.1179004739
## 69	-0.4734489	0.492986575	-0.27079410	0.506069543	-0.26707802	0.3567354724
## 70	-0.7604281	0.640155030	0.87204071	0.654549334	0.90955472	0.4882910339
## 71	-0.5752605	0.611305887	-0.90605092	0.625268704	-0.90636959	0.4631871373
## 72	-0.5939470	0.620005331	1.31116068	0.619904049	1.32799669	0.5550903048
## 73	-0.6014113	0.618045377	-1.00972831	0.631948564	-1.00786500	0.4696875298
## 74	-0.1011327	0.557046115	-0.61158108	0.570514618	-0.64268622	0.4153937757
## 75	-0.5511422	0.574101151	-0.52517333	0.587889176	-0.52702488	0.4294160508
## 76	-0.5628639	0.688947563	-0.48487645	0.703454216	-0.48097143	0.5329889705
## 77	-0.4853021	0.822396342	-1.24723045	0.834524838	-1.24444233	0.6650707542
## 78	-0.5993617	0.573860455	-0.69501207	0.587681512	-0.69319132	0.4291684168
## 79	-0.4957559	0.090680282	-0.27079554	0.101124659	-0.26707950	-0.0054292497
## 80	-0.5017960	0.058117542	0.72772747	0.068625236	0.70978419	-0.0352691465
## 81	-0.5504673	0.065407194	-0.12028482	0.072328578	-0.12886291	-0.0157370149
## 82	-0.6025342	0.054403945	0.09764051	0.064852673	0.10650145	-0.0386122054
## 83	-0.3971492	0.069258331	-0.39295363	0.079700652	-0.41310601	-0.0247756558
## 84	-0.5988545	0.164333280	-0.98911026	0.174672341	-0.98522736	0.0633510932
## 85	-0.5824789	0.090680282	-1.04507705	0.100916995	-1.04315728	-0.0041910797
## 86	-0.3655285	0.057601764	1.06931871	0.068106076	1.00946903	-0.0357953687
## 87	-0.3995191	0.063069004	0.68819617	0.073574562	0.63909889	-0.0308426888
## 88	-0.1970607	0.055538655	-0.61789082	0.065717939	-0.64353666	-0.0361977740
## 89	-0.4027698	0.214191752	-0.92339408	0.225307757	-0.93911314	0.1069656312
## 90	-0.2342963	-0.616003387	-0.61789322	-0.610228521	-0.64353912	-0.6407342717
## 91	-0.5745913	-0.621229931	-0.39791991	-0.615281680	-0.40048655	-0.6465536706

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## 92 -0.6664258 -0.554488348 -1.00973250 -0.548275415 -1.00786931 -0.5858523868
## 93 -0.6536994 -0.406116412 -0.69501558 -0.398722693 -0.69319491 -0.4530277011
## 94 -0.6820446 -0.641138934 0.74265764 -0.635217428 0.76185112 -0.6649404950
## 95 -0.6366087 -0.359765226 0.38390600 -0.429180086 0.39457408 0.2353329049
## 96 -0.4772239 -0.664108217 -0.15611737 -0.658510411 -0.16094987 -0.6847512148
## 97 -0.6703839 -0.618135267 -0.13079823 -0.612132108 -0.12214918 -0.6439844679
## 98 -0.4748788 -0.621814478 -0.15611722 -0.615939283 -0.16094971 -0.6466774876
## 99 -0.5877105 0.561413029 -0.36453400 0.575290891 -0.35758003 0.4180248869
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## 102 -0.6702581 -0.623602506 -1.00973275 -0.617842870 -1.00786956 -0.6480704289
## 103 -0.6599244 -0.437234976 -1.00973208 -0.430253017 -1.00786888 -0.4802983952
## 104 -0.6796995 -0.598845196 0.74265779 -0.592646299 0.76185127 -0.6268667678
## 105 -0.6543953 -0.337518031 -1.00973172 -0.329882063 -1.00786851 -0.3905310709
## 106 -0.6083913 0.149135042 0.38390782 0.083057887 0.39457595 0.6934558012
## 107 -0.5635007 0.461868011 -0.58375790 0.474781494 -0.58184909 0.3288766476
## 108 -0.5181564 0.396570605 -0.39791627 0.409194267 -0.40048281 0.2696921221
## 109 -0.5733978 0.444641049 -0.35633403 0.457649210 -0.35579268 0.3127185293
## 110 -0.5225263 0.416032602 0.39393638 0.428783908 0.38857117 0.2870884105
## 111 -0.5277217 0.437935944 -0.49681678 0.450761686 -0.49238080 0.3072086728
## 112 -0.5319563 0.432468705 0.14874362 0.445362421 0.15146754 0.3018226334
## 113 -0.6624220 -0.482279527 -1.00973224 -0.475593000 -1.00786904 -0.5208484624
## 114 -0.2302925 -0.543794566 -0.61789296 -0.537546106 -0.64353886 -0.5757303472
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## 121 -0.6640102 -2.233893617 -0.39792568 -2.238522284 -0.40049246 -2.0983079841
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## 124 -0.7714634 -2.253802621 0.74265187 -2.258458033 0.76184520 -2.1166948084
## 125 -0.7260276 -1.972428912 0.38390023 -2.052420691 0.39456816 -1.2164214086
## 126 -0.5666428 -2.276771903 -0.15612314 -2.281751016 -0.16095578 -2.1365055283
## 127 -0.7598028 -2.230798953 -0.13080399 -2.235372713 -0.12215510 -2.0957387814
## 128 -0.5642977 -2.234478165 -0.15612299 -2.239179887 -0.16095563 -2.0984318011
## 129 -0.6771294 -1.051250657 -0.36453977 -1.047949714 -0.35758594 -1.0337294265
## 130 -0.5238037 -2.214947398 -0.39296180 -2.219486414 -0.41311440 -2.0810664670
## 131 -0.7091333 -2.193525447 -1.04508522 -2.198270071 -1.04316566 -2.0604818909
## 132 -0.7596769 -2.236266193 -1.00973851 -2.241083474 -1.00787548 -2.0998247423
## 133 -0.7493432 -2.049898662 -1.00973785 -2.053493622 -1.00787479 -1.9320527087
## 134 -0.7691183 -2.211508882 0.74265203 -2.215886904 0.76184536 -2.0786210812
## 135 -0.7438141 -1.950181718 -1.00973749 -1.953122668 -1.00787443 -1.8422853844
## 136 -0.6978101 -1.463528644 0.38390205 -1.540182718 0.39457003 -0.7582985122
## 137 -0.6529196 -1.150795676 -0.58376367 -1.148459111 -0.58185500 -1.1228776658
## 138 -0.6075753 -1.216093082 -0.39792204 -1.214046338 -0.40048873 -1.1820621914
## 139 -0.6628167 -1.168022637 -0.35633980 -1.165591394 -0.35579860 -1.1390357842
## 140 -0.6119451 -1.196631085 0.39393061 -1.194456696 0.38856525 -1.1646659030
## 141 -0.6171406 -1.174727742 -0.49682255 -1.172478918 -0.49238672 -1.1445456407
## 142 -0.6213751 -1.180194982 0.14873785 -1.177878184 0.15146162 -1.1499316801
## 143 -0.7518409 -2.094943213 -1.00973801 -2.098833605 -1.00787496 -1.9726027758
## 144 -0.3197113 -2.156458252 -0.61789873 -2.160786711 -0.64354477 -2.0274846606
## 145 -0.7051295 -2.121316626 -1.04508497 -2.125587656 -1.04316539 -1.9954779664

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## 146 -0.6997606 -2.116502704 0.28128994 -2.120188390 0.27795859 -1.9930016264
## 147 -0.7557761 -2.069738896 0.41609430 -2.073117874 0.42357997 -1.9509038468
## 148 1.9683343 1.776928196 -1.06510521 1.793240504 -1.06445710 1.5413546105
## 149 1.5640238 1.012202388 1.95196658 1.029036825 1.96469140 0.8238351012
## 150 1.5091522 0.997760624 1.20305765 1.013808129 1.21926889 0.8108343163
## 151 1.5311161 1.072720258 2.21889955 1.080260623 2.23757962 0.9129833405
## 152 1.6036807 1.630447443 2.65652539 1.503895271 2.67256605 2.2681603947
## 153 1.7756929 1.204071543 -0.94946008 1.218011105 -0.94859208 1.0120369397
## 154 1.9035867 1.805811725 -1.16294046 1.820929044 -1.16305145 1.5630225853
## 155 1.3609343 1.490843721 0.13485765 1.510125192 0.15819940 1.2547182578
## 156 1.5873985 1.030082668 2.69020421 1.046342162 2.67936368 0.8393122261
## 157 1.6061974 1.009451576 1.24249760 1.025575758 1.27320012 0.8225969312
## 158 1.2739558 1.927535167 -0.99313579 1.948296323 -0.98042217 1.6558853346
## 159 1.7522038 1.178626530 0.91902579 1.176478296 0.92223484 1.0652782493
## 160 1.5887712 2.409615016 0.56213691 2.147653805 0.57298686 4.0418389056
## 161 1.5448435 1.018391716 0.73557773 1.035266747 0.74839862 0.8300259512
## 162 1.7071702 1.014953201 2.16531785 1.031113466 2.16105044 0.8269305262
## 163 2.4949714 1.003949952 0.20532747 1.020038050 0.14667867 0.8201205912
## 164 1.4793714 1.246709133 -0.73340761 1.263697194 -0.72132723 1.0411339345
## 165 1.7444249 1.054152275 0.15835094 1.070569634 0.14410262 0.8634565409
## 166 1.6163786 1.028019559 0.08664827 1.044265522 0.09320114 0.8399313111
## 167 1.4589328 1.848449315 1.99219718 1.737171213 2.03080667 2.4340751734
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## 169 1.2119918 1.402817729 3.20872797 1.422214081 3.28266895 1.1748562934
## 170 1.5823270 1.345119442 -0.34745529 1.363652820 -0.34917968 1.1246485003
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## 177 1.5341247 1.270228578 0.07462241 1.288478437 0.07717686 1.0566110594
## 178 1.7413362 0.303868232 0.92305547 0.315364730 0.92940051 0.1874157263
## 179 1.7292561 0.238742752 2.92010149 0.250365885 2.88312788 0.1277359327
## 180 1.6319135 0.253322057 1.22407691 0.257772569 1.20583369 0.1668001959
## 181 1.5277796 0.231315558 1.65992756 0.242820758 1.67656241 0.1210498148
## 182 1.9385496 0.261024331 0.67873929 0.272516716 0.63734747 0.1487229141
## 183 1.5351390 0.451174228 -0.51357396 0.462460094 -0.50689522 0.3249764122
## 184 1.5678903 0.303868232 -0.62550756 0.314949402 -0.62275506 0.1898920662
## 185 2.0017911 0.237711197 3.60328398 0.249327564 3.48249756 0.1266834882
## 186 1.9338098 0.248645676 2.84103889 0.260264537 2.74175728 0.1365888482
## 187 2.3387267 0.233584979 0.22886491 0.244551291 0.17648619 0.1258786778
## 188 1.9273084 0.550891173 -0.38214162 0.563730926 -0.41466677 0.4122054880
## 189 2.2642554 -1.109499107 0.22886010 -1.107341630 0.17648126 -1.0831943176
## 190 1.5836654 -1.119952193 0.66880673 -1.117447947 0.66258641 -1.0948331156
## 191 1.3999964 -0.986469028 -0.55481845 -0.983435418 -0.55217911 -0.9734305480
## 192 1.4254493 -0.689725156 0.07461540 -0.684329974 0.07716967 -0.7077811766
## 193 1.3687589 -1.159770201 2.94996184 -1.157319443 2.98726174 -1.1316067643
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## 195 1.7784002 -1.205708765 1.15241181 -1.203905410 1.14165977 -1.1712282039
## 196 1.3920803 -1.113762866 1.20305010 -1.111148804 1.21926114 -1.0896947101
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##      LZHGE.W.ADC  GLNU_area.W.ADC  ZSNU.W.ADC  ZSP.W.ADC  GLNU_norm.W.ADC
## 1      -0.78023810      -0.69146996 -0.65137873 -0.5068231      0.076980413

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## 2	0.29762888	-0.61003269	-0.56604167	-0.5606797	-0.062449843
## 3	-0.72852195	-0.51902935	-0.45639083	-0.5221702	0.268617432
## 4	0.42004184	-0.31304187	-0.12074234	-0.5237049	-0.187236739
## 5	-0.01111977	-0.61448438	-0.53660442	-0.5410354	0.276575780
## 6	1.02554608	-0.65686669	-0.51375053	-0.5128675	-0.246128514
## 7	0.64648670	-0.67986176	-0.60896412	-0.5387687	-0.126116627
## 8	0.38003442	-0.57232782	-0.52978915	-0.5495353	-0.072636529
## 9	0.26130978	-0.69834696	-0.64678359	-0.4862816	-0.203790103
## 10	-0.42708152	-0.63883127	-0.55040403	-0.5424992	-0.164635031
## 11	0.36479557	-0.55523265	-0.48853838	-0.5239410	-0.114974940
## 12	-0.49920276	-0.38317790	-0.24923487	-0.5145911	-0.163361695
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## 14	0.65913794	-0.48686099	-0.41656480	-0.5175425	-0.117521611
## 15	-0.13142619	0.79830131	0.73037169	-0.5855420	-0.102559917
## 16	0.28612692	-0.43860105	-0.39556895	-0.5557686	-0.093646567
## 17	0.27161179	-0.60709925	-0.57356804	-0.5446242	-0.035073126
## 18	-0.38215018	0.02672133	0.16459579	-0.5258299	-0.144898328
## 19	-0.80705882	-0.31004566	-0.22380956	-0.5168105	-0.139168318
## 20	0.13730700	0.22144020	0.57523085	-0.5039426	-0.195831755
## 21	0.38499408	-0.08762395	0.06612299	-0.5447659	-0.158268353
## 22	-1.11749818	-0.73078734	-0.67772407	-0.5278605	0.105630466
## 23	-1.21708810	-0.22017570	-0.42846927	-0.5669130	0.194763963
## 24	0.29269711	-0.22979916	-0.05135049	-0.5300563	-0.174503383
## 25	-0.78337171	-0.55895469	-0.53653608	-0.5825670	-0.132164971
## 26	-0.41803841	0.14183352	0.35302620	-0.5306702	-0.163998363
## 27	-0.52924665	-0.63739344	-0.54824720	-0.5575394	0.103083794
## 28	-0.85652558	-0.61148184	-0.55835752	-0.5610811	-0.090463228
## 29	-0.62601143	-0.64707853	-0.57211126	-0.5220758	0.039417011
## 30	-1.15858435	-0.20844253	-0.43845162	-0.6621360	0.177892265
## 31	-1.21924857	-0.72886115	-0.68153290	-0.5463714	0.262250754
## 32	0.19929232	-0.04610626	0.02181148	-0.5414840	-0.121659952
## 33	0.45140063	0.21203769	0.66624096	-0.5833698	-0.219388465
## 34	-0.76334300	-0.68540459	-0.62408338	-0.5773962	-0.097784908
## 35	-0.67204574	-0.61320397	-0.54321999	-0.5888239	-0.118794947
## 36	0.45202264	-0.41656736	-0.23981988	-0.5833462	0.259067414
## 37	0.16223091	-0.25775021	0.06486935	-0.5234216	-0.226710145
## 38	-0.48812007	-0.71097546	-0.65263396	-0.5885642	-0.065633182
## 39	-0.37400484	0.25054535	0.33361947	-0.5643394	-0.120704950
## 40	-0.58413284	-0.36427133	-0.45866017	-0.5890601	0.073478740
## 41	-0.10499406	0.70648308	0.98583327	-0.5533603	0.166750578
## 42	-1.17254518	-0.53170277	-0.53050007	-0.5719893	-0.003558068
## 43	0.26822698	0.13430652	0.51050021	-0.5701005	-0.208246778
## 44	-1.21924868	-0.72888092	-0.68153312	-0.5488034	0.229462360
## 45	-1.20712061	-0.72039908	-0.68063011	-0.5280493	0.748346647
## 46	-0.03048386	-0.61387335	-0.54571621	-0.5401382	0.309045840
## 47	0.70532149	-0.68824185	-0.59557977	-0.5351799	0.519146226
## 48	-0.95721874	-0.41629054	-0.38456128	-0.5184397	0.338014226
## 49	-1.26090235	-0.72416200	-0.68183222	-0.5663935	0.703779899
## 50	0.20657437	-0.06272785	0.11169496	-0.5229494	0.662396489
## 51	-0.17421904	-0.02954475	0.12855544	-0.5620963	0.401362676
## 52	0.32510378	0.08297013	0.36789782	-0.4938843	0.431922732
## 53	0.55552685	0.37884447	1.11038569	-0.5049342	0.185532279
## 54	-1.20244367	-0.52058581	-0.54609258	-0.5318979	0.493361178
## 55	-1.30897129	-0.71585889	-0.68239032	-0.5676921	0.841936819

## 56	-0.71425448	-0.72523932	-0.67014438	-0.5591214	0.459936117
## 57	0.61632417	-0.50970325	-0.41650489	-0.5047926	0.276575780
## 58	-0.18029805	-0.32024387	-0.16069642	-0.5081689	0.635974774
## 59	-1.24807699	-0.73213033	-0.68405520	-0.5180855	0.719059927
## 60	-0.27737655	2.33314588	1.94242607	-0.5302216	0.354249256
## 61	-0.47842831	0.32834659	0.67935107	-0.5013217	0.239330711
## 62	-0.39758583	-0.30549990	-0.28871136	-0.5457576	0.346609242
## 63	0.34720299	-0.41622950	-0.19027139	-0.5244133	0.654438141
## 64	-0.47464027	0.49498713	-0.12725470	-0.6400125	0.627698092
## 65	-1.11923457	-0.56876704	-0.54237649	-0.5805601	0.396906001
## 66	-0.62717169	-0.51777754	-0.50899535	-0.5356285	0.393085994
## 67	-0.70025885	-0.27725437	-0.24481717	-0.5080745	0.330374212
## 68	0.17160131	-0.04210798	0.47115339	-0.4806622	0.184895611
## 69	-0.26555761	-0.62943913	-0.59745268	-0.5329604	0.413459365
## 70	0.70293143	-0.72461869	-0.66827177	-0.5291354	0.451341101
## 71	-0.90531739	-0.38036838	-0.47338213	-0.5196840	0.641641118
## 72	1.21909164	1.69818251	2.98555658	-0.4868152	0.306531002
## 73	-1.01185660	-0.59087228	-0.57121126	-0.4850113	0.538755595
## 74	-0.45162360	0.54333564	-0.10410397	-0.6363906	0.731029282
## 75	-0.52399650	-0.35678325	-0.45723479	-0.5750611	0.633014268
## 76	-0.49854495	-0.70405688	-0.65365248	-0.5196981	0.538118927
## 77	-1.24903968	-0.67776176	-0.65248059	-0.5257780	0.684966364
## 78	-0.70586138	-0.32834911	-0.43048708	-0.5814148	0.620440079
## 79	-0.26555889	-0.62966373	-0.59745514	-0.5605852	0.041008680
## 80	0.79531409	-0.37489914	-0.25389817	-0.5383909	-0.095588404
## 81	-0.09626434	2.94706344	2.59184144	-0.5481682	-0.015272756
## 82	0.05778935	-0.01723726	-0.01747415	-0.5272796	-0.144420827
## 83	-0.28904194	-0.37992073	-0.42415151	-0.5921885	0.062400720
## 84	-1.00282297	-0.64438931	-0.59448303	-0.5805554	0.003986446
## 85	-1.04875727	-0.44769031	-0.49197429	-0.5355151	0.122756831
## 86	1.37949907	-0.06447894	-0.28325309	-0.6004169	-0.171320043
## 87	0.91522554	-0.06286856	-0.26158046	-0.5937114	0.123393498
## 88	-0.48460010	0.57395286	-0.03940710	-0.6507153	0.227998024
## 89	-0.86450345	-0.62349432	-0.59943197	-0.5041244	-0.061972342
## 90	-0.48460224	0.57357795	-0.03941121	-0.6968275	-0.393708119
## 91	-0.38823213	0.99029712	0.66604306	-0.5958482	-0.585185971
## 92	-1.01186033	-0.59152689	-0.57121844	-0.5655247	-0.546763067
## 93	-0.70586450	-0.32889621	-0.43049308	-0.6487060	-0.286811589
## 94	0.65913591	-0.48721722	-0.41656871	-0.5613668	-0.708349364
## 95	0.32328732	-0.44997701	-0.25740425	-0.6435659	-0.761893129
## 96	-0.13142822	0.79794499	0.73036778	-0.6293710	-0.693387670
## 97	-0.17422240	-0.03013416	0.12854898	-0.5637586	-0.705006858
## 98	-0.13142809	0.79796860	0.73036804	-0.6264669	-0.654232598
## 99	-0.39758547	-0.30543655	-0.28871067	-0.5379659	0.451659435
## 100	-0.28904408	-0.38029564	-0.42415562	-0.6383007	-0.559305423
## 101	-1.04875941	-0.44806522	-0.49197840	-0.5816273	-0.498949312
## 102	-1.01186055	-0.59156547	-0.57121886	-0.5702705	-0.610748184
## 103	-1.01185996	-0.59146143	-0.57121772	-0.5574733	-0.438211201
## 104	0.65913605	-0.48719361	-0.41656845	-0.5584626	-0.669194292
## 105	-1.01185964	-0.59140576	-0.57121711	-0.5506261	-0.345894364
## 106	0.32328894	-0.44969290	-0.25740113	-0.5377889	-0.290758930
## 107	-0.59829279	-0.46134145	-0.39529652	-0.5148060	0.268744766
## 108	-0.38822889	0.99086534	0.66604929	-0.5259598	0.357082428
## 109	-0.35524450	-0.44408455	-0.44421461	-0.5063603	0.198647637

## 110	0.40247892	0.05410242	0.13343486	-0.5265807	0.259767749
## 111	-0.51425353	0.62116437	0.38191139	-0.5241299	0.356222926
## 112	0.15162172	-0.62069919	-0.54054062	-0.5189237	0.245156222
## 113	-1.01186010	-0.59148657	-0.57121800	-0.5605664	-0.479912944
## 114	-0.48460201	0.57361826	-0.03941077	-0.6918692	-0.326857996
## 115	-0.49854845	-0.70467117	-0.65365921	-0.5952532	-0.480549612
## 116	-1.04875918	-0.44802491	-0.49197796	-0.5766690	-0.432099189
## 117	0.27161013	-0.60739161	-0.57357124	-0.5805837	-0.519895684
## 118	0.36479390	-0.55552502	-0.48854158	-0.5599005	-0.599797498
## 119	-0.03048699	-0.61442238	-0.54572222	-0.6076655	-0.601389167
## 120	-0.48460737	0.57267763	-0.03942108	-0.8075629	-1.886694196
## 121	-0.38823726	0.98939680	0.66603318	-0.7065836	-2.078172048
## 122	-1.01186546	-0.59242721	-0.57122831	-0.6762600	-2.039749144
## 123	-0.70586963	-0.32979653	-0.43050295	-0.7594414	-1.779797667
## 124	0.65913078	-0.48811754	-0.41657858	-0.6721021	-2.201335441
## 125	0.32328219	-0.45087733	-0.25741412	-0.7543013	-2.254879207
## 126	-0.13143336	0.79704466	0.73035791	-0.7401064	-2.186373747
## 127	-0.17422753	-0.03103448	0.12853911	-0.6744939	-2.197992935
## 128	-0.13143322	0.79706828	0.73035817	-0.7372023	-2.147218675
## 129	-0.39759060	-0.30633687	-0.28872054	-0.6487013	-1.041326643
## 130	-0.28904921	-0.38119596	-0.42416549	-0.7490361	-2.052291501
## 131	-1.04876454	-0.44896554	-0.49198827	-0.6923627	-1.991935390
## 132	-1.01186568	-0.59246579	-0.57122873	-0.6810058	-2.103734262
## 133	-1.01186509	-0.59236175	-0.57122759	-0.6682087	-1.931197278
## 134	0.65913092	-0.48809393	-0.41657832	-0.6691980	-2.162180369
## 135	-1.01186477	-0.59230608	-0.57122698	-0.6613615	-1.838880442
## 136	0.32328381	-0.45059322	-0.25741100	-0.6485242	-1.783745007
## 137	-0.59829792	-0.46224178	-0.39530639	-0.6255413	-1.224241312
## 138	-0.38823402	0.98996502	0.66603941	-0.6366952	-1.135903650
## 139	-0.35524963	-0.44498487	-0.44422449	-0.6170957	-1.294338441
## 140	0.40247379	0.05320210	0.13342498	-0.6373161	-1.233218329
## 141	-0.51425866	0.62026405	0.38190152	-0.6348653	-1.136763151
## 142	0.15161659	-0.62159952	-0.54055049	-0.6296591	-1.247829855
## 143	-1.01186523	-0.59238690	-0.57122787	-0.6713017	-1.972899022
## 144	-0.48460714	0.57271794	-0.03942064	-0.8026046	-1.819844074
## 145	-1.04876431	-0.44892523	-0.49198783	-0.6874044	-1.925085267
## 146	0.27160499	-0.60829194	-0.57358111	-0.6913191	-2.012881762
## 147	0.36478877	-0.55642534	-0.48855145	-0.6706359	-2.092783575
## 148	-1.06304365	-0.67749520	-0.66192101	1.6859736	1.935095495
## 149	1.87190977	0.64537312	0.92513337	1.7728619	1.852328676
## 150	1.11032296	0.71173931	0.95885433	1.6945680	1.330261050
## 151	2.10896860	0.93676908	1.43753908	1.8309921	1.391381162
## 152	2.56981475	1.52851775	2.92251482	1.8088922	0.898600257
## 153	-0.94612631	-0.27034282	-0.39044173	1.7549648	1.514258055
## 154	-1.15918155	-0.66088896	-0.66303720	1.6833764	2.211409336
## 155	0.03025207	-0.67964983	-0.63854533	1.7005179	1.447407932
## 156	2.69140938	-0.24857768	-0.13126635	1.8091756	1.080687258
## 157	1.09816494	0.13034107	0.38035059	1.8024228	1.799485246
## 158	-1.03739295	-0.69343185	-0.66636696	1.7825896	1.965655551
## 159	0.90400794	5.43712057	4.58659558	1.7583176	1.236034210
## 160	0.50190442	1.42752200	2.06044557	1.8161172	1.006197121
## 161	0.66358938	0.15982901	0.12432071	1.7272455	1.220754182
## 162	2.15316701	-0.06163018	0.32120065	1.7699342	1.836411980
## 163	0.50948050	1.76080307	0.44723404	1.5387357	1.782931882

## 164	-0.77970809	-0.36670527	-0.38300954	1.6576404	1.321347700
## 165	0.20441767	-0.26472627	-0.31624727	1.7475037	1.313707686
## 166	0.05824334	0.21632007	0.21210910	1.8026117	1.188284122
## 167	1.80196366	0.68661285	1.64405023	1.8574364	0.897326921
## 168	0.92764581	-0.48804945	-0.49316192	1.7528398	1.354454428
## 169	2.86462390	-0.67840857	-0.63480010	1.7604898	1.430217901
## 170	-0.35187373	0.01009206	-0.24502083	1.7793927	1.810817933
## 171	3.89694433	4.16719383	6.67285659	1.8451303	1.140597701
## 172	-0.56495216	-0.41091576	-0.44067909	1.8487381	1.605046889
## 173	0.55551384	1.85750009	0.49353550	1.5459795	1.989594262
## 174	0.41076804	0.05726232	-0.21272614	1.6686384	1.793564235
## 175	0.46167113	-0.63728495	-0.60556151	1.7793644	1.603773553
## 176	-1.03931832	-0.58469471	-0.60321773	1.7672047	1.897468426
## 177	0.04703828	0.11413060	-0.15923072	1.6559310	1.768415855
## 178	0.92764325	-0.48849865	-0.49316684	1.6975902	0.609553059
## 179	3.04938922	0.02103053	0.19394710	1.7419788	0.336358890
## 180	1.26623236	6.66495568	5.88542631	1.7224242	0.496990185
## 181	1.57433975	0.73635430	0.66679513	1.7642014	0.238694044
## 182	0.88067716	0.01098735	-0.14655957	1.6343837	0.652337137
## 183	-0.54688489	-0.51794981	-0.48722262	1.6576499	0.535508589
## 184	-0.63875350	-0.12455181	-0.28220514	1.7477304	0.773049359
## 185	4.21775918	0.64187092	0.13523726	1.6179268	0.184895611
## 186	3.28921213	0.64509170	0.17858252	1.6313378	0.774322695
## 187	0.48956084	1.91873453	0.62292924	1.5173300	0.983531746
## 188	-0.27024586	-0.47615983	-0.49712049	1.8105119	0.403591013
## 189	0.48955656	1.91798470	0.62292102	1.4251056	-0.259880539
## 190	0.68229679	2.75142305	2.03382955	1.6270643	-0.642836243
## 191	-0.56495962	-0.41222497	-0.44069344	1.6877114	-0.565990435
## 192	0.04703205	0.11303639	-0.15924272	1.5213486	-0.046087480
## 193	2.77703287	-0.20360563	-0.13139397	1.6960271	-0.889163029
## 194	2.10533569	-0.12912521	0.18693494	1.5316288	-0.996250560
## 195	1.19590459	2.36671878	2.16247900	1.5600186	-0.859239641
## 196	1.11031624	0.71056048	0.95884140	1.6912436	-0.882478017
## 197	1.19590486	2.36676601	2.16247952	1.5658269	-0.780929497
##	ZSNU_norm.W.ADC	GLVAR_area.W.ADC	ZSVAR.W.ADC	Entropy_area.W.ADC	
## 1	-0.4888097	0.040207659	-0.704634016	-0.7414506	
## 2	-0.5444800	-0.353463617	-0.426064491	-0.5771180	
## 3	-0.5868989	1.070427270	0.098542191	-0.4508095	
## 4	-0.5112910	0.284745010	-0.480285107	-0.4046157	
## 5	-0.5328275	0.002215947	-0.235847903	-0.4859857	
## 6	-0.4964165	2.154394753	-0.621258709	-0.3202609	
## 7	-0.5262382	0.193605803	-0.237625629	-0.5150688	
## 8	-0.5466845	-0.174145191	-0.141450700	-0.5407165	
## 9	-0.4467299	-0.442970392	-0.858940557	-0.7141803	
## 10	-0.5507060	1.479037769	-0.345000226	-0.4195162	
## 11	-0.5197942	-0.159289458	-0.542861031	-0.5068891	
## 12	-0.4988391	0.105947043	-0.599037145	-0.4515073	
## 13	-0.6809425	-0.508499340	0.894251953	-0.5964923	
## 14	-0.5013343	-0.169665921	-0.524372690	-0.5076570	
## 15	-0.6162118	-0.008547348	0.219071954	-0.4607554	
## 16	-0.5378664	-0.213700597	-0.491484775	-0.5131591	
## 17	-0.5596452	-0.578240079	-0.366866244	-0.6080641	
## 18	-0.5217080	-0.111558449	-0.512995249	-0.4524388	
## 19	-0.5819569	0.411004881	-0.060741980	-0.4337088	

## 20	-0.5536857	0.522050721	-0.040653686	-0.3542218
## 21	-0.5454248	0.093544224	-0.220381695	-0.4254757
## 22	-0.4945269	-0.379885997	-0.250247477	-0.8159496
## 23	-0.5879406	-0.989424011	-0.029276245	-0.7656058
## 24	-0.5243243	0.103752545	-0.422153496	-0.4177801
## 25	-0.6101555	-0.741540926	0.190095034	-0.6032831
## 26	-0.5269649	0.060996397	-0.432286529	-0.4219367
## 27	-0.5216111	0.238744184	-0.317801031	-0.4802833
## 28	-0.5711039	-0.198594119	-0.057719847	-0.5397850
## 29	-0.5063732	-0.033977016	-0.480818424	-0.5247677
## 30	-0.7671612	-1.050413906	0.878963517	-0.7084145
## 31	-0.4246847	-0.725604533	-0.939827049	-0.9419543
## 32	-0.5432203	0.216653133	-0.280646576	-0.4432574
## 33	-0.5998596	0.838777717	1.283395981	-0.2906736
## 34	-0.6128445	-0.138422510	-0.002077051	-0.5451269
## 35	-0.5061067	-0.332685000	-0.575926718	-0.5331778
## 36	-0.5320281	0.510287993	-0.348200131	-0.3878422
## 37	-0.5135682	1.264876516	-0.487751552	-0.3099077
## 38	-0.6243032	0.270641351	0.180850864	-0.5977510
## 39	-0.5030543	0.064705138	-0.572371268	-0.4588190
## 40	-0.6377968	-0.821474574	0.103164276	-0.6562110
## 41	-0.5687540	0.222181684	-0.204382169	-0.3820162
## 42	-0.5936336	-0.721087890	0.102097641	-0.6404292
## 43	-0.5793406	0.718783496	0.685724797	-0.3204646
## 44	-0.4271799	-0.725605895	-0.958137618	-0.9422982
## 45	-0.5161603	-0.803843374	-0.247580889	-0.9403651
## 46	-0.4811544	0.157348785	-0.198515676	-0.5029428
## 47	-0.4340600	1.735059164	-0.548905296	-0.4162977
## 48	-0.5317131	-0.579042795	-0.034076103	-0.5497075
## 49	-0.6042444	-0.978130029	0.550262143	-0.9211510
## 50	-0.4929038	-0.100225032	-0.165094444	-0.4458716
## 51	-0.4818327	-0.196992537	-0.287046387	-0.4687114
## 52	-0.4839161	0.160769740	-0.228025913	-0.4012603
## 53	-0.5000503	1.272826033	-0.074074918	-0.2726615
## 54	-0.5404586	-0.939853257	0.266892759	-0.6999609
## 55	-0.6448222	-1.101651118	0.224405129	-0.9755947
## 56	-0.4347383	-0.227779610	-0.546416481	-0.7286969
## 57	-0.5048712	-0.071698616	-0.147139420	-0.4587756
## 58	-0.5112668	1.003315538	-0.116740321	-0.3807776
## 59	-0.3990298	-0.801566777	-0.677434822	-0.9670310
## 60	-0.5442862	-0.025344321	0.186539584	-0.4741368
## 61	-0.4921044	0.364824351	-0.082963543	-0.3842097
## 62	-0.4978216	-0.332624583	-0.241181079	-0.5331177
## 63	-0.5360011	1.116912110	0.077031717	-0.3030400
## 64	-0.7206724	-1.106202831	1.592186833	-0.6995904
## 65	-0.4730873	-0.639034409	-0.340911458	-0.6279592
## 66	-0.5715884	-0.685856088	0.056054561	-0.6003017
## 67	-0.5048955	-0.578753620	-0.067675107	-0.5399920
## 68	-0.4590365	1.374069845	-0.347133496	-0.2878257
## 69	-0.5348140	-0.471873044	0.296225224	-0.6136764
## 70	-0.3732538	-0.018788808	-0.772009798	-0.7296150
## 71	-0.5035073	-1.049010552	-0.159352392	-0.7335536
## 72	-0.4802242	1.248483747	-0.179138472	-0.2779974
## 73	-0.4779155	-0.827751022	-0.218852851	-0.6704344

## 74	-0.7237587	-1.139135090	1.668913449	-0.7032843
## 75	-0.5170591	-1.027139238	-0.072101643	-0.7138849
## 76	-0.4893402	-0.620199776	-0.044013586	-0.6910123
## 77	-0.5515975	-0.980141625	0.170842271	-0.7983308
## 78	-0.4854205	-1.005621951	-0.232221344	-0.7162199
## 79	-0.5631579	-0.471888522	0.088231385	-0.6175826
## 80	-0.5835292	0.010786392	-0.014787785	-0.4174916
## 81	-0.5689357	-0.585742584	-0.228701448	-0.5084266
## 82	-0.5245860	-0.093228715	-0.360146444	-0.4957784
## 83	-0.6268469	-0.727302321	0.421714840	-0.5854269
## 84	-0.5483512	-0.045138726	-0.427415562	-0.5707849
## 85	-0.5407299	-0.967445878	-0.311561216	-0.7021705
## 86	-0.6397518	-0.642894787	0.565710574	-0.6107851
## 87	-0.6334653	-0.601645790	0.371814096	-0.6001859
## 88	-0.7247714	-1.085414506	1.176643587	-0.6800752
## 89	-0.6596749	-0.751388741	0.252510963	-0.6314174
## 90	-0.7720838	-1.085440342	0.829453872	-0.6865956
## 91	-0.6116502	-0.763262858	-0.480640652	-0.5856880
## 92	-0.5605246	-0.827796133	-0.825057116	-0.6818193
## 93	-0.5544633	-1.005659654	-0.738873002	-0.7257351
## 94	-0.5462993	-0.169690473	-0.854371803	-0.5138532
## 95	-0.5662418	0.828878914	-0.666839581	-0.3554678
## 96	-0.6611817	-0.008571908	-0.110927160	-0.4669506
## 97	-0.5562052	-0.197033146	-0.832790220	-0.4789605
## 98	-0.6582020	-0.008570281	-0.089061141	-0.4665400
## 99	-0.4898272	-0.332620217	-0.182516150	-0.5320159
## 100	-0.6741593	-0.727328157	0.074525125	-0.5919474
## 101	-0.5880424	-0.967471715	-0.658750931	-0.7086909
## 102	-0.5653939	-0.827798792	-0.860789391	-0.6824904
## 103	-0.5522637	-0.827791622	-0.764436689	-0.6806808
## 104	-0.5433196	-0.169688845	-0.832505784	-0.5134426
## 105	-0.5452383	-0.827787786	-0.712882661	-0.6797126
## 106	-0.5303880	0.828898493	-0.403736263	-0.3505266
## 107	-0.5319723	-0.025272884	-0.186516031	-0.4780013
## 108	-0.5399425	-0.763223700	0.045565982	-0.5758056
## 109	-0.5007214	-0.741072926	-0.136330851	-0.6104696
## 110	-0.5459747	-0.290420887	-0.005845828	-0.4655410
## 111	-0.5385229	-0.282161482	-0.012121198	-0.5330593
## 112	-0.5168944	0.031094454	0.037512888	-0.4872955
## 113	-0.5554372	-0.827793355	-0.787724888	-0.6811182
## 114	-0.7669965	-1.085437564	0.866786100	-0.6858945
## 115	-0.5668620	-0.620242110	-0.612885623	-0.7016961
## 116	-0.5829550	-0.967468937	-0.621418704	-0.7079898
## 117	-0.5965407	-0.578260227	-0.637613780	-0.6131489
## 118	-0.5566897	-0.159309606	-0.813608566	-0.5119739
## 119	-0.5504395	0.157310950	-0.706945059	-0.5124914
## 120	-0.8857017	-1.085502387	-0.004299207	-0.7022539
## 121	-0.7252680	-0.763324902	-1.314393731	-0.6013464
## 122	-0.6741424	-0.827858178	-1.658810195	-0.6974776
## 123	-0.6680812	-1.005721699	-1.572626082	-0.7413935
## 124	-0.6599171	-0.169752517	-1.688124882	-0.5295116
## 125	-0.6798596	0.828816869	-1.500592660	-0.3711262
## 126	-0.7747995	-0.008633952	-0.944680239	-0.4826090
## 127	-0.6698230	-0.197095191	-1.666543299	-0.4946188

## 128	-0.7718198	-0.008632325	-0.922814220	-0.4821983
## 129	-0.6034450	-0.332682262	-1.016269229	-0.5476743
## 130	-0.7877772	-0.727390202	-0.759227955	-0.6076057
## 131	-0.7016602	-0.967533759	-1.492504011	-0.7243492
## 132	-0.6790117	-0.827860837	-1.694542470	-0.6981487
## 133	-0.6658815	-0.827853667	-1.598189769	-0.6963392
## 134	-0.6569374	-0.169750890	-1.666258863	-0.5291009
## 135	-0.6588561	-0.827849830	-1.546635740	-0.6953709
## 136	-0.6440058	0.828836448	-1.237489343	-0.3661849
## 137	-0.6455902	-0.025334928	-1.020269111	-0.4936596
## 138	-0.6535604	-0.763285744	-0.788187097	-0.5914639
## 139	-0.6143392	-0.741134971	-0.970083931	-0.6261280
## 140	-0.6595925	-0.290482932	-0.839598907	-0.4811994
## 141	-0.6521407	-0.282223527	-0.845874277	-0.5487176
## 142	-0.6305122	0.031032410	-0.796240192	-0.5029538
## 143	-0.6690550	-0.827855400	-1.621477968	-0.6967765
## 144	-0.8806143	-1.085499609	0.033033020	-0.7015528
## 145	-0.6965728	-0.967530981	-1.455171783	-0.7236481
## 146	-0.7101585	-0.578322272	-1.471366859	-0.6288073
## 147	-0.6703075	-0.159371650	-1.647361645	-0.5276323
## 148	1.5959439	-0.481595910	2.264878017	0.9979421
## 149	1.8186251	1.274214084	0.834164844	1.9485010
## 150	1.8407673	1.080679076	0.590260958	1.9028213
## 151	1.8366005	1.796203628	0.708301906	2.0377236
## 152	1.8043321	4.020316215	1.016203896	2.2949212
## 153	1.7235156	-0.405042365	1.698139250	1.4403223
## 154	1.5147883	-0.728638087	1.613163990	0.8890548
## 155	1.9349562	1.019104930	0.071520769	1.3828505
## 156	1.7946903	1.331266918	0.870074891	1.9226931
## 157	1.7818992	3.481295226	0.930873090	2.0786890
## 158	2.0063731	-0.128469404	-0.190515913	0.9061821
## 159	1.7158604	1.423975507	1.537432900	1.8919707
## 160	1.8202240	2.204312850	0.998426644	2.0718247
## 161	1.8087896	0.809414983	0.681991574	1.7740088
## 162	1.7324306	3.708488368	1.318417165	2.2341641
## 163	1.3630880	-0.737741513	4.348727398	1.4410635
## 164	1.8582581	0.196595330	0.482530816	1.5843257
## 165	1.6612560	0.102951973	1.276462853	1.6396408
## 166	1.7946418	0.317156908	1.029003516	1.7602602
## 167	1.8863598	4.222803838	0.470086740	2.2645927
## 168	1.7348047	0.530918060	1.756804179	1.6128914
## 169	2.0579251	1.437086532	-0.379665865	1.3810142
## 170	1.7974181	-0.623356955	0.845648948	1.3731370
## 171	1.8439844	3.971631642	0.806076787	2.2842495
## 172	1.8486018	-0.180837895	0.726648029	1.4993753
## 173	1.3569153	-0.803606031	4.502180630	1.4336757
## 174	1.7703145	-0.579614327	1.020150445	1.4124745
## 175	1.8257523	0.234264596	1.076326559	1.4582196
## 176	1.7012378	-0.485619102	1.506038274	1.2435826
## 177	1.8335917	-0.536579753	0.699911043	1.4078043
## 178	1.6781170	0.530887104	1.340816502	1.6050789
## 179	1.6373744	1.496236934	1.134778161	2.0052610
## 180	1.6665614	0.303178982	0.706950834	1.8233911
## 181	1.7552608	1.288206719	0.444060844	1.8486875

```
## 182      1.5507390      0.020059507  2.007783411      1.6693903
## 183      1.7077303      1.384386698  0.309522608      1.6986745
## 184      1.7229730     -0.460227608  0.541231299      1.4359032
## 185      1.5249291      0.188874574  2.295774880      1.6186740
## 186      1.5375022      0.271372569  1.907981923      1.6398725
## 187      1.3548900     -0.696164863  3.517640906      1.4800939
## 188      1.4850830     -0.028113332  1.669375658      1.5774094
## 189      1.2602650     -0.696216536  2.823261476      1.4670530
## 190      1.5811324     -0.051861567  0.203072428      1.6688682
## 191      1.6833836     -0.180928118  -0.485760500      1.4766056
## 192      1.6955061     -0.536655159  -0.313392273      1.3887739
## 193      1.7118341      1.135283204  -0.544389875      1.8125377
## 194      1.6719491      3.132421976  -0.169325430      2.1293086
## 195      1.4820693      1.457520333  0.942499412      1.9063430
## 196      1.6920224      1.080597857  -0.501226709      1.8823232
## 197      1.4880288      1.457523587  0.986231450      1.9071643
```

Get the correlation of the whole data except the categorical variables

```
Features <- data.matrix(new_data[,-1])
cor(Features)
```

```
##              Failure Entropy_cooc.W.ADC GLNU_align.H.PET
## Failure              1.000000e+00      -0.3482652573     -0.2265178293
## Entropy_cooc.W.ADC    -3.482653e-01      1.0000000000      0.3920658289
## GLNU_align.H.PET      -2.265178e-01      0.3920658289      1.0000000000
## Min_hist.PET          -1.165156e-01      0.0226738158     -0.0325246954
## Max_hist.PET          -1.301441e-01      0.0778302013      0.0381311141
## Mean_hist.PET         -1.159998e-01      0.0380086084     -0.0196067417
## Variance_hist.PET     -1.153330e-01      0.0528441359      0.0020395233
## Standard_Deviation_hist.PET -1.089448e-01      0.0463759445     -0.0043095440
## Skewness_hist.PET     -6.723148e-03      0.0324117987     -0.0147927740
## Kurtosis_hist.PET      2.057606e-02      0.0759157073      0.0707353686
## Energy_hist.PET        6.230688e-02     -0.0417727570      0.0031413591
## Entropy_hist.PET      -9.506440e-02      0.1413790919      0.0809275865
## AUC_hist.PET          -1.831508e-03      0.0374144292     -0.0213764693
## H_suv.PET             -4.687739e-02     -0.0227969854     -0.0576816449
## Volume.PET            -1.248696e-01      0.1200267157      0.1161700927
## X3D_surface.PET       -1.528965e-01      0.1755210554      0.3714542669
## ratio_3ds_vol.PET      1.267027e-01     -0.0272400673     -0.0936268234
## ratio_3ds_vol_norm.PET  4.613443e-02      0.1331012319      0.1983503966
## irregularity.PET       2.681230e-02     -0.0017390994     -0.1148695073
## tumor_length.PET      -1.118661e-01      0.2048888255      0.3097344960
## Compactness_v1.PET     -4.542873e-04     -0.0679690004      0.0035103096
## Compactness_v2.PET     -1.151043e-01     -0.1053196300     -0.1125354608
## Spherical_disproportion.PET 4.613443e-02      0.1331012319      0.1983503966
## Sphericity.PET        -1.149402e-01     -0.0977843528     -0.1390695387
## Asphericity.PET        4.698675e-02      0.1345618169      0.2033916356
## Center_of_mass.PET     -1.299026e-01      0.1659789005      0.2238240811
## Max_3D_diam.PET        -1.631243e-01      0.0934011426      0.1221569026
## Major_axis_length.PET  -1.453613e-01      0.1088344544      0.1538697843
## Minor_axis_length.PET  -1.305390e-01      0.1656382603      0.2570854471
## Least_axis_length.PET  -1.468048e-01      0.1581034170      0.2542496872
## Elongation.PET         2.432411e-02      0.0608720360      0.0262572449
## Flatness.PET           4.241142e-03      0.0665095617      0.0593347752
```

## Max_cooc.L.PET	5.714468e-02	-0.0242505800	0.0398181600
## Average_cooc.L.PET	8.264061e-02	-0.0510348283	-0.1493075293
## Variance_cooc.L.PET	1.233186e-01	-0.1572327620	-0.2366050629
## Entropy_cooc.L.PET	-2.893407e-03	0.0236821641	-0.0391190073
## DAVE_cooc.L.PET	1.036628e-01	-0.1460864271	-0.2268618458
## DVAR_cooc.L.PET	1.403597e-01	-0.1790076840	-0.1892491264
## DENT_cooc.L.PET	3.376572e-02	-0.0338971946	-0.1154539271
## SAVE_cooc.L.PET	8.261567e-02	-0.0510299431	-0.1494372577
## SVAR_cooc.L.PET	1.114962e-01	-0.1187634176	-0.2017104419
## SENT_cooc.L.PET	3.205810e-02	0.0273591403	-0.0503085787
## ASM_cooc.L.PET	4.822565e-02	-0.0190941005	0.0538165190
## Contrast_cooc.L.PET	1.254904e-01	-0.1971706710	-0.2602120751
## Dissimilarity_cooc.L.PET	1.036628e-01	-0.1460864271	-0.2268618458
## Inv_diff_cooc.L.PET	-6.324882e-02	0.1299146313	0.1298887389
## Inv_diff_norm_cooc.L.PET	-1.468812e-02	0.0530596003	-0.0091721314
## IDM_cooc.L.PET	-6.727807e-02	0.1378132975	0.1683383505
## IDM_norm_cooc.L.PET	-7.588976e-03	0.0423489956	-0.0236451378
## Inv_var_cooc.L.PET	-6.475932e-02	0.1396109763	0.1620086153
## Correlation_cooc.L.PET	-8.072976e-02	0.1920111696	0.1650305423
## Autocorrelation_cooc.L.PET	1.307396e-01	-0.0724378132	-0.1719101899
## Tendency_cooc.L.PET	1.114962e-01	-0.1187634176	-0.2017104419
## Shade_cooc.L.PET	-2.124395e-02	-0.0648097419	-0.1274425109
## Prominence_cooc.L.PET	1.279820e-01	-0.1491076468	-0.2274035389
## IC1_.L.PET	-7.925208e-02	0.0806435385	0.2467869240
## IC2_.L.PET	5.204255e-02	-0.0271949231	-0.1164059143
## Coarseness_vdif_.L.PET	9.368215e-02	-0.0571416740	-0.0781039061
## Contrast_vdif_.L.PET	6.888918e-02	-0.1195572183	-0.2062443202
## Busyness_vdif_.L.PET	-1.781479e-01	0.1303910862	0.2577710587
## Complexity_vdif_.L.PET	9.137460e-02	-0.1359904774	-0.2001285603
## Strength_vdif_.L.PET	1.065995e-01	-0.1168572759	-0.2697439716
## SRE_align.L.PET	7.468880e-03	0.0198852576	-0.0517682913
## LRE_align.L.PET	-2.054326e-02	0.0530616777	0.0016254587
## GLNU_align.L.PET	-1.676459e-01	0.1590118481	0.3026810400
## RLNU_align.L.PET	-1.958012e-01	0.1498184564	0.2947870886
## RP_align.L.PET	8.004722e-03	0.0183124774	-0.0537309239
## LGRE_align.L.PET	8.205698e-03	-0.0308560986	0.0188921195
## HGRE_align.L.PET	1.128979e-01	-0.0714028022	-0.1729610757
## LGSRE_align.L.PET	9.876577e-03	-0.0329862497	0.0158736908
## HGSRE_align.L.PET	1.150992e-01	-0.0742950821	-0.1777746581
## LGHRE_align.L.PET	1.825500e-03	-0.0210813784	0.0319381580
## HGLRE_align.L.PET	1.029005e-01	-0.0590080217	-0.1514895099
## GLNU_norm_align.L.PET	3.699617e-02	0.0017927883	0.0268439173
## RLNU_norm_align.L.PET	1.102797e-02	0.0123670310	-0.0609633160
## GLVAR_align.L.PET	1.199083e-01	-0.1333463964	-0.2141298085
## RLVAR_align.L.PET	-3.334588e-02	0.0975008275	0.1794060775
## Entropy_align.L.PET	-3.315599e-03	0.0299573664	-0.0360422998
## SZSE.L.PET	3.344669e-02	0.0005635674	-0.0912367220
## LZSE.L.PET	-1.023284e-01	0.1160484440	0.1571944363
## LGLZE.L.PET	7.476825e-03	-0.0238784844	0.0202348833
## HGLZE.L.PET	1.082459e-01	-0.0731101243	-0.1764480004
## SZLGE.L.PET	1.900127e-02	-0.0298522517	-0.0007235866
## SZHGE.L.PET	1.209506e-01	-0.0862659667	-0.2041362338
## LZLGE.L.PET	-3.366969e-02	0.0223066979	0.1057958162
## LZHGE.L.PET	3.004764e-02	-0.0026588986	-0.0209187341

## GLNU_area.L.PET	-1.669376e-01	0.1538111967	0.2925833565
## ZSNU.L.PET	-1.914665e-01	0.1398324765	0.2751909806
## ZSP.L.PET	2.832048e-02	-0.0025225459	-0.0934628758
## GLNU_norm.L.PET	3.520620e-02	0.0038358349	0.0293581543
## ZSNU_norm.L.PET	1.885734e-02	-0.0027533821	-0.0873385532
## GLVAR_area.L.PET	1.180745e-01	-0.1332177207	-0.2168691124
## ZSVAR.L.PET	-9.098164e-02	0.1642789036	0.2536610287
## Entropy_area.L.PET	-9.071619e-03	0.0384475518	-0.0205003582
## Max_cooc.H.PET	9.899383e-02	-0.0354044177	-0.0292833194
## Average_cooc.H.PET	3.944331e-02	0.0049380640	-0.0685128779
## Variance_cooc.H.PET	-3.517415e-02	0.0513970071	-0.0108478525
## Entropy_cooc.H.PET	-7.573169e-03	-0.0740411684	-0.0986787073
## DAVE_cooc.H.PET	1.570002e-02	-0.0317376184	-0.1060211346
## DVAR_cooc.H.PET	4.097070e-02	-0.0283639102	-0.1026686096
## DENT_cooc.H.PET	-1.123446e-01	0.1797126504	0.0855653422
## SAVE_cooc.H.PET	1.145375e-02	0.0371662885	-0.0501235572
## SVAR_cooc.H.PET	-7.935420e-02	0.1769296226	0.0790316652
## SENT_cooc.H.PET	7.828223e-03	0.0935598442	0.0611840947
## ASM_cooc.H.PET	1.235224e-01	-0.0463081806	-0.0114766628
## Contrast_cooc.H.PET	3.789049e-02	-0.0612608174	-0.1222651264
## Dissimilarity_cooc.H.PET	1.570002e-02	-0.0317376184	-0.1060211346
## Inv_diff_cooc.H.PET	5.788698e-02	0.0441756625	0.0256249367
## Inv_diff_norm_cooc.H.PET	8.355659e-04	0.0356553883	-0.0289187139
## IDM_cooc.H.PET	6.974728e-02	0.0390610310	0.0304501494
## IDM_norm_cooc.H.PET	-8.570553e-04	0.0327944781	-0.0341955035
## Inv_var_cooc.H.PET	-1.249071e-02	0.0296620476	0.0590057069
## Correlation_cooc.H.PET	-1.022556e-01	0.1942080779	0.1655138622
## Autocorrelation_cooc.H.PET	6.642853e-02	-0.0051926259	-0.0718706275
## Tendency_cooc.H.PET	-7.150651e-02	0.1076630592	0.0502983079
## Shade_cooc.H.PET	-1.435156e-02	-0.0626070149	-0.0058162866
## Prominence_cooc.H.PET	-1.037264e-01	0.1224764263	0.0854055459
## IC1_d.H.PET	9.224937e-02	-0.1810238169	-0.1496903129
## IC2_d.H.PET	-9.005601e-02	0.1544819119	0.1105323308
## Coarseness_vdif.H.PET	6.101334e-02	-0.0403828876	0.0284006140
## Contrast_vdif.H.PET	1.633405e-01	-0.0159017556	-0.1003509184
## Busyness_vdif.H.PET	-1.149550e-01	-0.0469338021	-0.0618894021
## Complexity_vdif.H.PET	1.072173e-01	0.0214626674	-0.0153710677
## Strength_vdif.H.PET	1.329307e-01	-0.1798138786	-0.0943076899
## SRE_align.H.PET	-1.065247e-02	0.0071168962	-0.0643957470
## LRE_align.H.PET	2.420089e-02	0.1030586027	0.0442810207
## RLNU_align.H.PET	-1.881192e-01	0.1446440410	0.2764805883
## RP_align.H.PET	-1.255662e-02	0.0026535664	-0.0731374029
## LGRE_align.H.PET	4.494835e-02	-0.0185128108	0.0498858194
## HGRE_align.H.PET	4.380004e-02	0.0021573817	-0.0687341246
## LGSRE_align.H.PET	4.553183e-02	-0.0193134345	0.0491896325
## HGSRE_align.H.PET	1.803097e-02	-0.0144226287	-0.0996066275
## LGHRE_align.H.PET	4.101823e-02	-0.0124068546	0.0572066147
## HGLRE_align.H.PET	8.511261e-02	0.0537910830	0.0637166305
## GLNU_norm_align.H.PET	1.233442e-01	-0.0411087191	-0.0624606143
## RLNU_norm_align.H.PET	-2.167230e-02	-0.0086139373	-0.0805360368
## GLVAR_align.H.PET	-4.165136e-02	0.0644038044	-0.0016344365
## RLVAR_align.H.PET	3.915803e-02	0.1035689108	0.1470486238
## Entropy_align.H.PET	-7.177959e-02	0.0764312544	0.0211934527
## SZSE.H.PET	-2.894193e-02	0.0004161705	-0.0786572212

## LZSE.H.PET	-4.975746e-02	0.1460568481	0.1028765896
## LGLZE.H.PET	4.575401e-02	-0.0182783558	0.0486184035
## HGLZE.H.PET	-3.458889e-03	0.0679355215	-0.0018125365
## SZLGE.H.PET	4.818280e-02	-0.0206619714	0.0468358958
## SZHGE.H.PET	-2.881456e-02	-0.0209905399	-0.1211328684
## LZLGE.H.PET	-5.443674e-02	0.1675021963	0.1721679396
## LZHGE.H.PET	1.354870e-03	0.0941835641	0.0867067565
## GLNU_area.H.PET	-1.786089e-01	0.1225619919	0.2506274877
## ZSNU.H.PET	-1.707757e-01	0.1248748489	0.2364149007
## ZSP.H.PET	-4.793235e-02	-0.0291630276	-0.1043345622
## GLNU_norm.H.PET	1.294711e-01	-0.0297212960	-0.0573175992
## ZSNU_norm.H.PET	-6.381428e-02	-0.0102831195	-0.0697100520
## GLVAR_area.H.PET	-3.529722e-02	0.0703997346	-0.0095647695
## ZSVAR.H.PET	-3.750326e-02	0.1409205354	0.1119698231
## Entropy_area.H.PET	-4.950768e-02	0.0813830491	0.0301620186
## Max_cooc.W.PET	1.063268e-01	-0.0687740649	-0.0132365000
## Average_cooc.W.PET	-9.758785e-02	0.0501092537	-0.0090793059
## Variance_cooc.W.PET	-1.099140e-01	0.0387417510	-0.0092287341
## Entropy_cooc.W.PET	-6.834709e-02	0.0408735162	-0.0180991468
## DAVE_cooc.W.PET	-6.957525e-02	-0.0279189424	-0.0779351848
## DVAR_cooc.W.PET	-8.465391e-02	-0.0264551177	-0.0685361170
## DENT_cooc.W.PET	-5.488237e-02	0.0054648133	-0.0563550595
## SAVE_cooc.W.PET	-9.770781e-02	0.0501635824	-0.0091945906
## SVAR_cooc.W.PET	-1.189943e-01	0.0683620273	0.0185640381
## SENT_cooc.W.PET	-4.638135e-02	0.0630475401	0.0005699544
## ASM_cooc.W.PET	1.084872e-01	-0.0578805994	0.0141228122
## Contrast_cooc.W.PET	-7.638271e-02	-0.0422475876	-0.0812449647
## Dissimilarity_cooc.W.PET	-6.957525e-02	-0.0279189424	-0.0779351848
## Inv_diff_cooc.W.PET	6.256973e-02	0.0405891702	0.0071562527
## Inv_diff_norm_cooc.W.PET	-1.256836e-02	0.0525274328	-0.0100205624
## IDM_cooc.W.PET	7.399159e-02	0.0401462328	0.0190101515
## IDM_norm_cooc.W.PET	-6.835824e-03	0.0422833139	-0.0240620571
## Inv_var_cooc.W.PET	6.629662e-02	0.0547572008	0.0136435571
## Correlation_cooc.W.PET	-8.397562e-02	0.1941236591	0.1654243384
## Autocorrelation_cooc.W.PET	-1.130997e-01	0.0700397262	0.0067368345
## Tendency_cooc.W.PET	-1.189943e-01	0.0683620273	0.0185640381
## Shade_cooc.W.PET	-8.048286e-02	0.0634251750	0.0283317744
## Prominence_cooc.W.PET	-8.300848e-02	0.0731527001	0.0250033804
## IC1_d.W.PET	8.031664e-02	-0.1423250936	-0.0687071095
## IC2_d.W.PET	-5.857599e-02	0.0987074358	0.0384951461
## Coarseness_vdif.W.PET	9.742076e-02	-0.0669514053	-0.1065812391
## Contrast_vdif.W.PET	1.330723e-02	-0.1335879406	-0.1805351109
## Busyness_vdif.W.PET	-2.328016e-02	0.0056216289	0.0966213093
## Complexity_vdif.W.PET	-1.114649e-01	0.0714228986	0.0434700339
## Strength_vdif.W.PET	5.918543e-03	-0.0346231966	-0.1446441796
## SRE_align.W.PET	-4.035808e-03	0.0180416280	-0.0536831070
## LRE_align.W.PET	2.449934e-02	0.0638913470	0.0296792736
## GLNU_align.W.PET	-1.725553e-01	0.1494839005	0.2991021818
## RLNU_align.W.PET	-1.913391e-01	0.1477221303	0.2863162805
## RP_align.W.PET	-6.583887e-03	0.0154643515	-0.0577911808
## LGRE_align.W.PET	9.551333e-02	-0.0639817334	-0.0588049216
## HGRE_align.W.PET	-1.156965e-01	0.0661376683	0.0044538616
## LGSRE_align.W.PET	9.461169e-02	-0.0684025321	-0.0658659071
## HGSRE_align.W.PET	-1.144895e-01	0.0635436785	0.0005638930

## LGHRE_align.W.PET	8.948496e-02	-0.0374091945	-0.0227976734
## HGLRE_align.W.PET	-1.214177e-01	0.0776625627	0.0237512148
## GLNU_norm_align.W.PET	1.248744e-01	-0.0548807583	-0.0593402156
## RLNU_norm_align.W.PET	-1.423426e-02	0.0091743377	-0.0630499353
## GLVAR_align.W.PET	-1.160747e-01	0.0540571475	0.0022673816
## RLVAR_align.W.PET	5.643720e-02	0.0784500842	0.1214692978
## Entropy_align.W.PET	-6.821983e-02	0.0663878109	0.0101516067
## SZSE.W.PET	-7.654237e-03	0.0041898673	-0.0839978346
## LZSE.W.PET	3.572485e-02	0.0700987787	0.1062491473
## LGLZE.W.PET	9.512967e-02	-0.0370860912	-0.0422869049
## HGLZE.W.PET	-1.151942e-01	0.0639418847	0.0021072423
## SZLGE.W.PET	9.083561e-02	-0.0363029003	-0.0616776098
## SZHGE.W.PET	-1.083132e-01	0.0537164713	-0.0128562732
## LZLGE.W.PET	3.381726e-02	0.0146321815	0.0269718153
## LZHGE.W.PET	-1.486579e-01	0.1433959024	0.1690093957
## GLNU_area.W.PET	-1.749538e-01	0.1369744505	0.2709316508
## ZSNU.W.PET	-1.812776e-01	0.1354123209	0.2584727733
## ZSP.W.PET	-3.351757e-02	0.0002846824	-0.0903678465
## GLNU_norm.W.PET	1.194959e-01	-0.0313651857	-0.0536759897
## ZSNU_norm.W.PET	-5.396974e-02	0.0028490084	-0.0708752208
## GLVAR_area.W.PET	-1.152008e-01	0.0565164468	0.0035357895
## ZSVAR.W.PET	3.382092e-02	0.0756604024	0.1010174765
## Entropy_area.W.PET	-5.028272e-02	0.0702915469	0.0228414871
## Min_hist.ADC	2.774124e-01	-0.1965283701	-0.2317076133
## Max_hist.ADC	-6.485081e-02	0.1838750027	0.0606767825
## Mean_hist.ADC	3.057348e-02	0.0227536929	-0.0907587764
## Variance_hist.ADC	-1.013816e-01	0.2871527041	0.1496347615
## Standard_Deviation_hist.ADC	-7.794228e-02	0.2233628234	0.0820918908
## Skewness_hist.ADC	1.255456e-01	-0.0339810154	-0.0024759333
## Kurtosis_hist.ADC	-4.813365e-02	0.0235995523	-0.0055327736
## Energy_hist.ADC	8.382165e-02	-0.0591039798	0.0290241614
## Entropy_hist.ADC	-9.225519e-02	0.1642691165	0.0481227081
## AUC_hist.ADC	-1.019534e-05	0.0305517423	-0.0290627065
## Volume.ADC	-1.318768e-01	0.0971700140	0.1129784573
## X3D_surface.ADC	-2.027499e-01	0.2646027604	0.2165523335
## ratio_3ds_vol.ADC	2.147902e-01	-0.2298464511	-0.2262413052
## ratio_3ds_vol_norm.ADC	-5.065018e-02	0.0701442246	-0.0348234748
## irregularity.ADC	8.211329e-02	-0.0630441238	-0.1036561352
## Compactness_v1.ADC	6.710611e-02	-0.0375497609	0.0200176349
##	Min_hist.PET	Max_hist.PET	Mean_hist.PET
## Failure	-0.116515609	-0.13014410	-0.115999809
## Entropy_cooc.W.ADC	0.022673816	0.07783020	0.038008608
## GLNU_align.H.PET	-0.032524695	0.03813111	-0.019606742
## Min_hist.PET	1.000000000	0.91498548	0.982858530
## Max_hist.PET	0.914985485	1.00000000	0.952300130
## Mean_hist.PET	0.982858530	0.95230013	1.000000000
## Variance_hist.PET	0.783240617	0.87949455	0.845092458
## Standard_Deviation_hist.PET	0.899826088	0.96694266	0.949616606
## Skewness_hist.PET	0.142272357	0.24719787	0.089430045
## Kurtosis_hist.PET	-0.044364647	0.12487798	-0.068072005
## Energy_hist.PET	0.093492881	0.07610862	0.075487953
## Entropy_hist.PET	0.560827587	0.63951438	0.583094476
## AUC_hist.PET	0.509900640	0.53403640	0.509410593
## H_suv.PET	0.860016880	0.86792887	0.898991555

## Volume.PET	0.370172985	0.49736227	0.411817916
## X3D_surface.PET	0.247804568	0.38580998	0.285816757
## ratio_3ds_vol.PET	0.132382670	0.08168377	0.085932915
## ratio_3ds_vol_norm.PET	0.204278803	0.31688597	0.217184846
## irregularity.PET	0.473574491	0.45131053	0.452993829
## tumor_length.PET	0.395421143	0.57407762	0.451696056
## Compactness_v1.PET	0.243878337	0.26859504	0.248981629
## Compactness_v2.PET	0.329063864	0.34765944	0.350748669
## Spherical_disproportion.PET	0.204278803	0.31688597	0.217184846
## Sphericity.PET	0.322074185	0.33307702	0.339866504
## Asphericity.PET	0.190492302	0.30461214	0.203605899
## Center_of_mass.PET	0.252663404	0.47352563	0.312720962
## Max_3D_diam.PET	0.506372476	0.65024443	0.557559025
## Major_axis_length.PET	0.562224132	0.70121025	0.614847672
## Minor_axis_length.PET	0.468877242	0.64605699	0.520950692
## Least_axis_length.PET	0.470103907	0.63851982	0.528064622
## Elongation.PET	0.329084394	0.33005520	0.317257304
## Flatness.PET	0.357428681	0.36552844	0.356715283
## Max_cooc.L.PET	0.104573457	0.12923469	0.097472407
## Average_cooc.L.PET	0.442019946	0.33062405	0.454620600
## Variance_cooc.L.PET	0.299686491	0.10524439	0.250661486
## Entropy_cooc.L.PET	0.556147201	0.55265625	0.565958458
## DAVE_cooc.L.PET	0.416361907	0.24424278	0.375316097
## DVAR_cooc.L.PET	0.388012029	0.27205904	0.343236218
## DENT_cooc.L.PET	0.533875969	0.47830951	0.521075197
## SAVE_cooc.L.PET	0.442082774	0.33062167	0.454692884
## SVAR_cooc.L.PET	0.267531573	0.10009007	0.226522839
## SENT_cooc.L.PET	0.495175971	0.47460269	0.490193645
## ASM_cooc.L.PET	0.102547751	0.12280618	0.097785520
## Contrast_cooc.L.PET	0.310408948	0.09923736	0.255248792
## Dissimilarity_cooc.L.PET	0.416361907	0.24424278	0.375316097
## Inv_diff_cooc.L.PET	0.415557960	0.58105018	0.442069168
## Inv_diff_norm_cooc.L.PET	0.525623847	0.57215303	0.532692128
## IDM_cooc.L.PET	0.346252547	0.54000379	0.375522642
## IDM_norm_cooc.L.PET	0.528514723	0.56133782	0.533094420
## Inv_var_cooc.L.PET	0.354494263	0.54724199	0.384149619
## Correlation_cooc.L.PET	0.241197304	0.39119493	0.276372966
## Autocorrelation_cooc.L.PET	0.282148824	0.13751375	0.297567162
## Tendency_cooc.L.PET	0.267531573	0.10009007	0.226522839
## Shade_cooc.L.PET	0.121624503	0.07613618	0.053499729
## Prominence_cooc.L.PET	0.134180476	-0.04400330	0.069692045
## IC1_.L.PET	-0.058943762	0.05809527	-0.008988313
## IC2_.L.PET	0.384550109	0.34043623	0.363584641
## Coarseness_vdif_.L.PET	0.068999848	0.01545585	0.041235239
## Contrast_vdif_.L.PET	0.096938427	-0.06495848	0.033934932
## Busyness_vdif_.L.PET	0.321549690	0.50048922	0.357239089
## Complexity_vdif_.L.PET	0.407779669	0.25337975	0.353351863
## Strength_vdif_.L.PET	0.008496611	-0.12871552	-0.076384634
## SRE_align.L.PET	0.531159860	0.53901533	0.529853961
## LRE_align.L.PET	0.524019605	0.57397900	0.532020533
## GLNU_align.L.PET	0.295773237	0.50988706	0.345506711
## RLNU_align.L.PET	0.337855402	0.50068643	0.394824555
## RP_align.L.PET	0.530715152	0.53575420	0.528788235
## LGRE_align.L.PET	0.263137815	0.30369098	0.203350539

## HGRE_align.L.PET	0.314227220	0.16394425	0.326486909
## LGSRE_align.L.PET	0.267408603	0.30316822	0.207182527
## HGSRE_align.L.PET	0.312743366	0.16004049	0.323443044
## LGHRE_align.L.PET	0.243276104	0.30434441	0.186256532
## HGLRE_align.L.PET	0.319599139	0.17981860	0.338220754
## GLNU_norm_align.L.PET	0.228319393	0.28839946	0.210188400
## RLNU_norm_align.L.PET	0.529276539	0.52498116	0.525323298
## GLVAR_align.L.PET	0.326199029	0.13907810	0.291565808
## RLVAR_align.L.PET	0.250265586	0.41872428	0.281175449
## Entropy_align.L.PET	0.551993379	0.55484364	0.564161398
## SZSE.L.PET	0.528420578	0.52256882	0.523924329
## LZSE.L.PET	0.331836365	0.44533197	0.356130315
## LGLZE.L.PET	0.270760891	0.30705796	0.210619981
## HGLZE.L.PET	0.322667961	0.17180342	0.333537188
## SZLGE.L.PET	0.282722938	0.30123957	0.221092568
## SZHGE.L.PET	0.326208758	0.17022767	0.332026094
## LZLGE.L.PET	0.167525646	0.29344548	0.128637265
## LZHGE.L.PET	0.246403966	0.15600454	0.276614161
## GLNU_area.L.PET	0.305802543	0.51045421	0.354923793
## ZSNU.L.PET	0.347356449	0.49715733	0.403099379
## ZSP.L.PET	0.529815448	0.51095296	0.522243616
## GLNU_norm.L.PET	0.228310274	0.28766307	0.210836049
## ZSNU_norm.L.PET	0.526114642	0.49497273	0.516506736
## GLVAR_area.L.PET	0.337233078	0.15238454	0.303225601
## ZSVAR.L.PET	0.177237816	0.42859772	0.232478999
## Entropy_area.L.PET	0.553767051	0.57219192	0.568831499
## Max_cooc.H.PET	-0.338194301	-0.36516380	-0.382715595
## Average_cooc.H.PET	0.385561890	0.38352792	0.371385761
## Variance_cooc.H.PET	0.728662440	0.76061152	0.767918251
## Entropy_cooc.H.PET	0.697201827	0.72056835	0.709253850
## DAVE_cooc.H.PET	0.686844846	0.64683591	0.690417041
## DVAR_cooc.H.PET	0.618885758	0.58281848	0.633257031
## DENT_cooc.H.PET	0.611790265	0.61649802	0.611715641
## SAVE_cooc.H.PET	0.448835100	0.45459249	0.442391727
## SVAR_cooc.H.PET	0.659693556	0.70240772	0.688870337
## SENT_cooc.H.PET	0.608416234	0.62665250	0.625060464
## ASM_cooc.H.PET	-0.319828293	-0.33422978	-0.350057624
## Contrast_cooc.H.PET	0.674853453	0.61464993	0.682919720
## Dissimilarity_cooc.H.PET	0.686844846	0.64683591	0.690417041
## Inv_diff_cooc.H.PET	-0.115347541	-0.08234559	-0.134246101
## Inv_diff_norm_cooc.H.PET	0.485659337	0.51115735	0.485630125
## IDM_cooc.H.PET	-0.233503207	-0.20563943	-0.256516056
## IDM_norm_cooc.H.PET	0.510537722	0.53267287	0.510728021
## Inv_var_cooc.H.PET	0.427899520	0.50003999	0.441325213
## Correlation_cooc.H.PET	0.306630309	0.45893102	0.349554629
## Autocorrelation_cooc.H.PET	0.248614247	0.24337449	0.227507572
## Tendency_cooc.H.PET	0.692603958	0.77147476	0.745200518
## Shade_cooc.H.PET	-0.370385099	-0.40911321	-0.441048226
## Prominence_cooc.H.PET	0.706962095	0.80575031	0.785179283
## IC1_d.H.PET	0.132931690	0.01248215	0.104427692
## IC2_d.H.PET	0.433180802	0.56209318	0.466982296
## Coarseness_vdif.H.PET	0.110841015	0.11180287	0.101867512
## Contrast_vdif.H.PET	-0.275401784	-0.33132541	-0.294821723
## Busyness_vdif.H.PET	0.091467174	0.14888395	0.103644179

## Complexity_vdif.H.PET	0.368003222	0.29978040	0.351668165
## Strength_vdif.H.PET	-0.099861290	-0.14444194	-0.124738425
## SRE_align.H.PET	0.662552022	0.66852882	0.665927930
## LRE_align.H.PET	-0.087926352	-0.05189913	-0.095986857
## RLNU_align.H.PET	0.414139015	0.57035156	0.473201037
## RP_align.H.PET	0.687472635	0.68833649	0.690978467
## LGRE_align.H.PET	0.159156752	0.18452315	0.167069337
## HGRE_align.H.PET	0.271715141	0.26935293	0.250858019
## LGSRE_align.H.PET	0.157877841	0.18243996	0.165384323
## HGSRE_align.H.PET	0.456485006	0.44405599	0.434642712
## LGHRE_align.H.PET	0.158756936	0.18914098	0.168724871
## HGLRE_align.H.PET	-0.253360971	-0.23325454	-0.263209361
## GLNU_norm_align.H.PET	-0.271124745	-0.30109797	-0.319484717
## RLNU_norm_align.H.PET	0.756590490	0.74909586	0.762382465
## GLVAR_align.H.PET	0.728209066	0.77292554	0.777890165
## RLVAR_align.H.PET	-0.378766528	-0.33255251	-0.384819385
## Entropy_align.H.PET	0.750045014	0.81457130	0.787872106
## SZSE.H.PET	0.778522764	0.78896927	0.788423067
## LZSE.H.PET	-0.222921001	-0.21316813	-0.223305021
## LGLZE.H.PET	0.161610069	0.18845677	0.171441674
## HGLZE.H.PET	0.281676325	0.31596193	0.263963966
## SZLGE.H.PET	0.156026087	0.18103122	0.164268238
## SZHGE.H.PET	0.607849840	0.59800944	0.578660967
## LZLGE.H.PET	-0.256389411	-0.23252151	-0.251984357
## LZHGE.H.PET	-0.265436182	-0.25710846	-0.264740700
## GLNU_area.H.PET	0.297457908	0.46136178	0.343699397
## ZSNU.H.PET	0.490126505	0.62016539	0.547443865
## ZSP.H.PET	0.861632273	0.84671553	0.874474150
## GLNU_norm.H.PET	-0.273569999	-0.30350734	-0.314580939
## ZSNU_norm.H.PET	0.853524933	0.85112658	0.865988015
## GLVAR_area.H.PET	0.715200663	0.76734838	0.768189080
## ZSVAR.H.PET	-0.252561578	-0.24119151	-0.251990249
## Entropy_area.H.PET	0.627535202	0.69689090	0.657513069
## Max_cooc.W.PET	-0.230151954	-0.25023273	-0.263525710
## Average_cooc.W.PET	0.890863939	0.94569856	0.958377160
## Variance_cooc.W.PET	0.774783104	0.86373395	0.827721889
## Entropy_cooc.W.PET	0.819415213	0.85935477	0.849988035
## DAVE_cooc.W.PET	0.909253248	0.90869773	0.938705457
## DVAR_cooc.W.PET	0.816368095	0.86264304	0.861373456
## DENT_cooc.W.PET	0.839206790	0.85280725	0.857230950
## SAVE_cooc.W.PET	0.890858782	0.94567354	0.958393856
## SVAR_cooc.W.PET	0.724775680	0.83817739	0.781315918
## SENT_cooc.W.PET	0.762481249	0.80118321	0.783603022
## ASM_cooc.W.PET	-0.150248099	-0.15332997	-0.170283627
## Contrast_cooc.W.PET	0.836399684	0.85336602	0.875184963
## Dissimilarity_cooc.W.PET	0.909253248	0.90869773	0.938705457
## Inv_diff_cooc.W.PET	-0.063614859	-0.03947257	-0.082059311
## Inv_diff_norm_cooc.W.PET	0.520318552	0.56561629	0.526806951
## IDM_cooc.W.PET	-0.214228979	-0.19038690	-0.235443991
## IDM_norm_cooc.W.PET	0.527460526	0.55957628	0.531733573
## Inv_var_cooc.W.PET	-0.146175729	-0.11938075	-0.165853137
## Correlation_cooc.W.PET	0.253665273	0.40504898	0.289587925
## Autocorrelation_cooc.W.PET	0.796659234	0.87817214	0.876467647
## Tendency_cooc.W.PET	0.724775680	0.83817739	0.781315918

## Shade_cooc.W.PET	0.281244153	0.45993903	0.325927470
## Prominence_cooc.W.PET	0.278820881	0.45712267	0.338795085
## IC1_d.W.PET	0.002288880	-0.08944873	-0.019423392
## IC2_d.W.PET	0.514625845	0.60822477	0.539146633
## Coarseness_vdif.W.PET	0.041726300	-0.03369932	0.005501689
## Contrast_vdif.W.PET	0.776187372	0.65715807	0.763352105
## Busyness_vdif.W.PET	-0.332083029	-0.31993670	-0.349207902
## Complexity_vdif.W.PET	0.606089100	0.78853393	0.679734909
## Strength_vdif.W.PET	0.464696270	0.45605240	0.421440955
## SRE_align.W.PET	0.599759054	0.61106911	0.601443437
## LRE_align.W.PET	0.168584759	0.20224812	0.165533910
## GLNU_align.W.PET	0.100066322	0.27976872	0.137103209
## RLNU_align.W.PET	0.377758728	0.54053007	0.435895210
## RP_align.W.PET	0.618886303	0.62779998	0.620756360
## LGRE_align.W.PET	-0.218487945	-0.26688316	-0.292085390
## HGRE_align.W.PET	0.798539742	0.88367875	0.878732109
## LGSRE_align.W.PET	-0.181493015	-0.23429349	-0.257717121
## HGSRE_align.W.PET	0.799289473	0.88295241	0.878316512
## LGHRE_align.W.PET	-0.328860250	-0.35820983	-0.386849701
## HGLRE_align.W.PET	0.791566130	0.88348255	0.876722055
## GLNU_norm_align.W.PET	-0.239882621	-0.26844436	-0.285946808
## RLNU_norm_align.W.PET	0.674506693	0.67891363	0.677715906
## GLVAR_align.W.PET	0.781536390	0.87997712	0.844085350
## RLVAR_align.W.PET	-0.349690554	-0.30285636	-0.355193236
## Entropy_align.W.PET	0.761391514	0.81904122	0.796449873
## SZSE.W.PET	0.686416060	0.69317430	0.689667885
## LZSE.W.PET	-0.350582526	-0.33889548	-0.355343303
## LGLZE.W.PET	-0.220091936	-0.26276764	-0.288194244
## HGLZE.W.PET	0.799624263	0.88868599	0.878562425
## SZLGE.W.PET	-0.113718479	-0.15776748	-0.181879328
## SZHGE.W.PET	0.799781187	0.88492524	0.874492455
## LZLGE.W.PET	-0.296797847	-0.30319910	-0.312419391
## LZHGE.W.PET	0.546461937	0.65885751	0.641240621
## GLNU_area.W.PET	0.191723922	0.36644034	0.232551237
## ZSNU.W.PET	0.436059596	0.58305234	0.493273893
## ZSP.W.PET	0.783070893	0.78146563	0.789181553
## GLNU_norm.W.PET	-0.240830702	-0.26820249	-0.283416797
## ZSNU_norm.W.PET	0.793258444	0.79114000	0.799595281
## GLVAR_area.W.PET	0.777802327	0.88144837	0.841191960
## ZSVAR.W.PET	-0.360762970	-0.35076337	-0.364383286
## Entropy_area.W.PET	0.680103964	0.74468930	0.711919053
## Min_hist.ADC	0.172450730	0.11427985	0.157360852
## Max_hist.ADC	0.455661442	0.52033662	0.463312971
## Mean_hist.ADC	0.441683971	0.44289012	0.420240061
## Variance_hist.ADC	0.190536909	0.25484624	0.187590541
## Standard_Deviation_hist.ADC	0.351801233	0.40701091	0.350737242
## Skewness_hist.ADC	0.141520159	0.21254828	0.190256683
## Kurtosis_hist.ADC	0.166240311	0.23436659	0.192259229
## Energy_hist.ADC	0.099611369	0.10936513	0.095457885
## Entropy_hist.ADC	0.556745219	0.59272565	0.562063723
## AUC_hist.ADC	0.526565510	0.55932817	0.540182588
## Volume.ADC	0.347484769	0.47012632	0.387463455
## X3D_surface.ADC	0.284925440	0.38532607	0.318968547
## ratio_3ds_vol.ADC	0.241582776	0.19254123	0.218612893

## ratio_3ds_vol_norm.ADC	0.507783990	0.54810318	0.510031443
## irregularity.ADC	0.489784558	0.49197434	0.491089370
## Compactness_v1.ADC	0.261766118	0.26700051	0.259077102
##	Variance_hist.PET	Standard_Deviation_hist.PET	
## Failure	-0.1153329654		-0.1089448060
## Entropy_cooc.W.ADC	0.0528441359		0.0463759445
## GLNU_align.H.PET	0.0020395233		-0.0043095440
## Min_hist.PET	0.7832406169		0.8998260876
## Max_hist.PET	0.8794945534		0.9669426639
## Mean_hist.PET	0.8450924583		0.9496166061
## Variance_hist.PET	1.0000000000		0.9238774512
## Standard_Deviation_hist.PET	0.9238774512		1.0000000000
## Skewness_hist.PET	0.0332192813		0.1760289037
## Kurtosis_hist.PET	-0.0655303118		-0.0201883409
## Energy_hist.PET	-0.0035015184		0.1018627920
## Entropy_hist.PET	0.3546518497		0.5906421534
## AUC_hist.PET	0.2488821556		0.5234962088
## H_suv.PET	0.8091777184		0.9260822250
## Volume.PET	0.3208236397		0.3949325770
## X3D_surface.PET	0.2735512408		0.3249235631
## ratio_3ds_vol.PET	-0.0153244278		0.1205251387
## ratio_3ds_vol_norm.PET	0.1911008865		0.3166071495
## irregularity.PET	0.1889095847		0.4506793580
## tumor_length.PET	0.3747882492		0.5241545451
## Compactness_v1.PET	0.1305559119		0.2694061734
## Compactness_v2.PET	0.2302421530		0.2974937836
## Spherical_disproportion.PET	0.1911008865		0.3166071495
## Sphericity.PET	0.2083448849		0.2832474669
## Asphericity.PET	0.1858124549		0.3046108175
## Center_of_mass.PET	0.4848135938		0.4841665192
## Max_3D_diam.PET	0.4381429059		0.5480992145
## Major_axis_length.PET	0.5008887856		0.6045172079
## Minor_axis_length.PET	0.3763868952		0.5615902989
## Least_axis_length.PET	0.4139134486		0.5632132837
## Elongation.PET	0.0641023998		0.3359658626
## Flatness.PET	0.1247607240		0.3755061171
## Max_cooc.L.PET	0.0310865211		0.1407007352
## Average_cooc.L.PET	0.1866887024		0.4120112179
## Variance_cooc.L.PET	0.0432815817		0.2211220792
## Entropy_cooc.L.PET	0.2917595516		0.5683123399
## DAVE_cooc.L.PET	0.1037838183		0.3308185999
## DVAR_cooc.L.PET	0.1388972653		0.3329286378
## DENT_cooc.L.PET	0.2352068138		0.5099447370
## SAVE_cooc.L.PET	0.1867251819		0.4120154923
## SVAR_cooc.L.PET	0.0488122760		0.2152812243
## SENT_cooc.L.PET	0.2314454220		0.4982005680
## ASM_cooc.L.PET	0.0338398193		0.1392564753
## Contrast_cooc.L.PET	0.0286652256		0.2006103533
## Dissimilarity_cooc.L.PET	0.1037838183		0.3308185999
## Inv_diff_cooc.L.PET	0.2856161171		0.5013062058
## Inv_diff_norm_cooc.L.PET	0.2784910809		0.5495334867
## IDM_cooc.L.PET	0.2640502489		0.4489770868
## IDM_norm_cooc.L.PET	0.2724045532		0.5459073994
## Inv_var_cooc.L.PET	0.2708067579		0.4566074941

## Correlation_cooc.L.PET	0.2118324685	0.3510317298
## Autocorrelation_cooc.L.PET	0.0832686382	0.2463837789
## Tendency_cooc.L.PET	0.0488122760	0.2152812243
## Shade_cooc.L.PET	0.0656735734	0.1262970981
## Prominence_cooc.L.PET	-0.0425188325	0.0674138954
## IC1_.L.PET	0.0652576960	0.0051103784
## IC2_.L.PET	0.1560068873	0.3833720227
## Coarseness_vdif_.L.PET	-0.0523441173	0.0558382045
## Contrast_vdif_.L.PET	-0.0995938362	-0.0330461136
## Busyness_vdif_.L.PET	0.3172974765	0.3992021291
## Complexity_vdif_.L.PET	0.1005497232	0.3164310092
## Strength_vdif_.L.PET	-0.1664591289	-0.1050892999
## SRE_align.L.PET	0.2594779500	0.5357091527
## LRE_align.L.PET	0.2807143529	0.5509401141
## GLNU_align.L.PET	0.3277311229	0.3880282272
## RLNU_align.L.PET	0.3621028390	0.4157226448
## RP_align.L.PET	0.2570944974	0.5337342876
## LGRE_align.L.PET	0.0805737195	0.2480394239
## HGRE_align.L.PET	0.0967108177	0.2686984716
## LGSRE_align.L.PET	0.0802566761	0.2498867958
## HGSRE_align.L.PET	0.0937690612	0.2655151877
## LGHRE_align.L.PET	0.0820409238	0.2395518059
## HGLRE_align.L.PET	0.1087092746	0.2812682169
## GLNU_norm_align.L.PET	0.0835661025	0.2560424908
## RLNU_norm_align.L.PET	0.2499801701	0.5275176290
## GLVAR_align.L.PET	0.0674112523	0.2549300532
## RLVAR_align.L.PET	0.2149132580	0.3619607070
## Entropy_align.L.PET	0.2939398233	0.5673752050
## SZSE.L.PET	0.2576391198	0.5259338305
## LZSE.L.PET	0.2083387951	0.3964028951
## LGLZE.L.PET	0.0758069670	0.2487781384
## HGLZE.L.PET	0.1030376663	0.2773690741
## SZLGE.L.PET	0.0736422560	0.2500346081
## SZHGE.L.PET	0.1043799900	0.2763160981
## LZLGE.L.PET	0.0964182052	0.2122931700
## LZHGE.L.PET	0.0860171323	0.2327138963
## GLNU_area.L.PET	0.3310807391	0.3929065205
## ZSNU.L.PET	0.3618478791	0.4178117297
## ZSP.L.PET	0.2466832987	0.5195361029
## GLNU_norm.L.PET	0.0831520641	0.2563552021
## ZSNU_norm.L.PET	0.2334708183	0.5107152552
## GLVAR_area.L.PET	0.0781145675	0.2676925929
## ZSVAR.L.PET	0.2423504830	0.3320548255
## Entropy_area.L.PET	0.3046686823	0.5769031719
## Max_cooc.H.PET	-0.4257960104	-0.3908584749
## Average_cooc.H.PET	0.1086091123	0.3727734838
## Variance_cooc.H.PET	0.5219291277	0.7717421036
## Entropy_cooc.H.PET	0.4979995006	0.7227628273
## DAVE_cooc.H.PET	0.3895631449	0.6672052270
## DVAR_cooc.H.PET	0.3447623174	0.6026519437
## DENT_cooc.H.PET	0.3359292426	0.5881036287
## SAVE_cooc.H.PET	0.1757087919	0.4506231502
## SVAR_cooc.H.PET	0.4440262209	0.6854672339
## SENT_cooc.H.PET	0.4851769192	0.6753893521

## ASM_cooc.H.PET	-0.3786526596	-0.3511995249
## Contrast_cooc.H.PET	0.3917049259	0.6471823553
## Dissimilarity_cooc.H.PET	0.3895631449	0.6672052270
## Inv_diff_cooc.H.PET	-0.2712918277	-0.1200265948
## Inv_diff_norm_cooc.H.PET	0.2315479731	0.4992706588
## IDM_cooc.H.PET	-0.3687798558	-0.2459042695
## IDM_norm_cooc.H.PET	0.2505736356	0.5225744954
## Inv_var_cooc_.H.PET	0.3967306798	0.5183136469
## Correlation_cooc.H.PET	0.2828886656	0.4244386773
## Autocorrelation_cooc.H.PET	-0.0099107478	0.2290761591
## Tendency_cooc.H.PET	0.5456312018	0.7700465657
## Shade_cooc.H.PET	-0.2601059301	-0.4213975306
## Prominence_cooc.H.PET	0.6423778764	0.8064986784
## IC1_d.H.PET	0.0410007228	0.0498570704
## IC2_d.H.PET	0.3619565422	0.5388682247
## Coarseness_vdif.H.PET	0.0363530088	0.1388963999
## Contrast_vdif.H.PET	-0.3680006618	-0.3317430293
## Busyness_vdif.H.PET	0.0235798990	0.0955535234
## Complexity_vdif.H.PET	0.1438951112	0.3478684871
## Strength_vdif.H.PET	-0.1195072242	-0.1406318248
## SRE_align.H.PET	0.3968898287	0.6728545872
## LRE_align.H.PET	-0.2351837940	-0.0857115379
## RLNU_align.H.PET	0.4511011714	0.4910112461
## RP_align.H.PET	0.4243175526	0.6966466998
## LGRE_align.H.PET	0.1020885440	0.2100226250
## HGRE_align.H.PET	0.0070113547	0.2472334507
## LGSRE_align.H.PET	0.1008129849	0.2081028726
## HGSRE_align.H.PET	0.1658165335	0.4306024987
## LGHRE_align.H.PET	0.1019344415	0.2133166752
## HGLRE_align.H.PET	-0.3429353614	-0.2603889995
## GLNU_norm_align.H.PET	-0.4417651564	-0.3284426756
## RLNU_norm_align.H.PET	0.5059221403	0.7673451137
## GLVAR_align.H.PET	0.5388071674	0.7816088560
## RLVAR_align.H.PET	-0.4165930490	-0.3668083389
## Entropy_align.H.PET	0.5771808803	0.8132192239
## SZSE.H.PET	0.5557297062	0.8029211099
## LZSE.H.PET	-0.1729553197	-0.2118259301
## LGLZE.H.PET	0.1060084257	0.2144334387
## HGLZE.H.PET	0.0522213975	0.2983904472
## SZLGE.H.PET	0.1005335063	0.2071943664
## SZHGE.H.PET	0.3532372353	0.5917623282
## LZLGE.H.PET	-0.2051559611	-0.2311974510
## LZHGE.H.PET	-0.2075915543	-0.2554565075
## GLNU_area.H.PET	0.2762021163	0.3671557743
## ZSNU.H.PET	0.5425406387	0.5534003423
## ZSP.H.PET	0.6888121142	0.8835813726
## GLNU_norm.H.PET	-0.4401150063	-0.3221524070
## ZSNU_norm.H.PET	0.6726570727	0.8810589070
## GLVAR_area.H.PET	0.5336335165	0.7744627908
## ZSVAR_H.PET	-0.1967914608	-0.2406688044
## Entropy_area.H.PET	0.4259825074	0.6805261539
## Max_cooc.W.PET	-0.3069873910	-0.2584345742
## Average_cooc.W.PET	0.8836004656	0.9711982410
## Variance_cooc.W.PET	0.9946819896	0.9175216121

## Entropy_cooc.W.PET	0.6373050483	0.8695283475
## DAVE_cooc.W.PET	0.8450056627	0.9604929886
## DVAR_cooc.W.PET	0.9569849320	0.9237305744
## DENT_cooc.W.PET	0.6427950764	0.8730848764
## SAVE_cooc.W.PET	0.8837259311	0.9711337392
## SVAR_cooc.W.PET	0.9861840585	0.8857419848
## SENT_cooc.W.PET	0.5773955851	0.8163006511
## ASM_cooc.W.PET	-0.2130899354	-0.1508436058
## Contrast_cooc.W.PET	0.9280544580	0.9186162612
## Dissimilarity_cooc.W.PET	0.8450056627	0.9604929886
## Inv_diff_cooc.W.PET	-0.2723997778	-0.0764734657
## Inv_diff_norm_cooc.W.PET	0.2722217395	0.5430152040
## IDM_cooc.W.PET	-0.3801782483	-0.2298114352
## IDM_norm_cooc.W.PET	0.2705304854	0.5441214941
## Inv_var_cooc.W.PET	-0.3395631917	-0.1599115465
## Correlation_cooc.W.PET	0.2251792069	0.3653058677
## Autocorrelation_cooc.W.PET	0.9509764693	0.9007493062
## Tendency_cooc.W.PET	0.9861840585	0.8857419848
## Shade_cooc.W.PET	0.7204030131	0.5159769990
## Prominence_cooc.W.PET	0.7357059000	0.5087835743
## IC1_d.W.PET	-0.0904914334	-0.0814139274
## IC2_d.W.PET	0.4149086358	0.6124430999
## Coarseness_vdif.W.PET	-0.0947427678	0.0003701983
## Contrast_vdif.W.PET	0.6451924508	0.7617389901
## Busyness_vdif.W.PET	-0.4141954701	-0.3500031529
## Complexity_vdif.W.PET	0.9364520372	0.7924897197
## Strength_vdif.W.PET	0.4828347503	0.4930642002
## SRE_align.W.PET	0.3316492741	0.6091341522
## LRE_align.W.PET	-0.0445010199	0.1779289471
## GLNU_align.W.PET	0.0701742452	0.1680403189
## RLNU_align.W.PET	0.4109430286	0.4569468798
## RP_align.W.PET	0.3507667441	0.6277652724
## LGRE_align.W.PET	-0.4146985562	-0.2977959141
## HGRE_align.W.PET	0.9523260427	0.9036463599
## LGSRE_align.W.PET	-0.3957514705	-0.2637181608
## HGSRE_align.W.PET	0.9550964482	0.9040864216
## LGHRE_align.W.PET	-0.4449843475	-0.3892301151
## HGLRE_align.W.PET	0.9377462247	0.8985281821
## GLNU_norm_align.W.PET	-0.4000996854	-0.2884816690
## RLNU_norm_align.W.PET	0.4099867968	0.6845048909
## GLVAR_align.W.PET	0.9999534765	0.9235004467
## RLVAR_align.W.PET	-0.3981162964	-0.3317860368
## Entropy_align.W.PET	0.5791439946	0.8186620666
## SZSE.W.PET	0.4344216257	0.6974019382
## LZSE.W.PET	-0.3400731283	-0.3477999438
## LGLZE.W.PET	-0.4175827833	-0.2928113391
## HGLZE.W.PET	0.9608585235	0.9102743701
## SZLGE.W.PET	-0.3386873338	-0.1823272578
## SZHGE.W.PET	0.9677482290	0.9094535024
## LZLGE.W.PET	-0.2690592069	-0.3105933258
## LZHGE.W.PET	0.6693269680	0.6632609322
## GLNU_area.W.PET	0.1615836736	0.2601094166
## ZSNU.W.PET	0.4764930074	0.5071380094
## ZSP.W.PET	0.5440144066	0.7942704176

## GLNU_norm.W.PET	-0.4019280941		-0.2853152952
## ZSNU_norm.W.PET	0.5607677739		0.8066827146
## GLVAR_area.W.PET	0.9993957292		0.9239326281
## ZSVAR.W.PET	-0.3234362733		-0.3561741435
## Entropy_area.W.PET	0.4848108455		0.7358894709
## Min_hist.ADC	0.0476039663		0.1073461522
## Max_hist.ADC	0.2451666683		0.4826157017
## Mean_hist.ADC	0.1618335111		0.4063969831
## Variance_hist.ADC	0.1020857941		0.2028767846
## Standard_Deviation_hist.ADC	0.1846021142		0.3669900282
## Skewness_hist.ADC	0.2125328153		0.2247090182
## Kurtosis_hist.ADC	0.1863281363		0.2578871775
## Energy_hist.ADC	0.0268732721		0.1352560392
## Entropy_hist.ADC	0.3005748063		0.5689472413
## AUC_hist.ADC	0.2926237065		0.5573880694
## Volume.ADC	0.2995951133		0.3700437865
## X3D_surface.ADC	0.2144343843		0.3486487153
## ratio_3ds_vol.ADC	0.0472288985		0.2097357262
## ratio_3ds_vol_norm.ADC	0.2520959049		0.5216787809
## irregularity.ADC	0.2440181584		0.4992891420
## Compactness_v1.ADC	0.1162359498		0.2909719288
##	Skewness_hist.PET	Kurtosis_hist.PET	Energy_hist.PET
## Failure	-0.0067231481	2.057606e-02	0.0623068818
## Entropy_cooc.W.ADC	0.0324117987	7.591571e-02	-0.0417727570
## GLNU_align.H.PET	-0.0147927740	7.073537e-02	0.0031413591
## Min_hist.PET	0.1422723566	-4.436465e-02	0.0934928810
## Max_hist.PET	0.2471978715	1.248780e-01	0.0761086158
## Mean_hist.PET	0.0894300450	-6.807200e-02	0.0754879525
## Variance_hist.PET	0.0332192813	-6.553031e-02	-0.0035015184
## Standard_Deviation_hist.PET	0.1760289037	-2.018834e-02	0.1018627920
## Skewness_hist.PET	1.0000000000	7.383953e-01	0.3050162466
## Kurtosis_hist.PET	0.7383952604	1.000000e+00	0.1294428440
## Energy_hist.PET	0.3050162466	1.294428e-01	1.0000000000
## Entropy_hist.PET	0.4684121826	1.987783e-01	0.2325432540
## AUC_hist.PET	0.5646117341	1.776081e-01	0.4886233818
## H_suv.PET	0.1487036787	-5.634430e-02	0.2195215086
## Volume.PET	0.1366327410	1.574280e-01	-0.2170168742
## X3D_surface.PET	0.0824300149	9.972351e-02	0.0441124852
## ratio_3ds_vol.PET	0.5314588307	2.151796e-01	0.7065465260
## ratio_3ds_vol_norm.PET	0.5055499206	3.072817e-01	0.6090758184
## irregularity.PET	0.5814202983	1.580932e-01	0.4894894041
## tumor_length.PET	0.3258439376	2.196639e-01	0.2392598597
## Compactness_v1.PET	0.3158318129	1.417485e-01	0.8895080191
## Compactness_v2.PET	0.0195496440	-2.672540e-02	-0.2847324682
## Spherical_disproportion.PET	0.5055499206	3.072817e-01	0.6090758184
## Sphericity.PET	0.0227197072	-4.791925e-02	-0.4219962193
## Asphericity.PET	0.4973156914	3.079849e-01	0.6069551209
## Center_of_mass.PET	0.3407251026	1.245843e-01	0.1146282561
## Max_3D_diam.PET	0.1933549981	1.297910e-01	-0.2342058808
## Major_axis_length.PET	0.2000880725	1.303750e-01	-0.1011802863
## Minor_axis_length.PET	0.3581456798	2.673535e-01	0.0533000916
## Least_axis_length.PET	0.2289712288	1.637515e-01	-0.0658154203
## Elongation.PET	0.4824397592	1.900364e-01	0.4952236347
## Flatness.PET	0.3606923752	1.024201e-01	0.3854053737

## Max_cooc.L.PET	0.3641824972	2.191579e-01	0.9834555030
## Average_cooc.L.PET	0.0573085774	-2.740262e-01	0.3842148473
## Variance_cooc.L.PET	0.1917066430	-2.533513e-01	0.4010508147
## Entropy_cooc.L.PET	0.4260991711	3.062457e-02	0.3533838236
## DAVE_cooc.L.PET	0.2519218653	-1.729618e-01	0.4367026118
## DVAR_cooc.L.PET	0.3864031653	7.124039e-02	0.4759023046
## DENT_cooc.L.PET	0.4515614604	1.737375e-02	0.4319954724
## SAVE_cooc.L.PET	0.0569803064	-2.743201e-01	0.3831654948
## SVAR_cooc.L.PET	0.2028598542	-2.541049e-01	0.3602629948
## SENT_cooc.L.PET	0.4703078699	5.047271e-02	0.4997591983
## ASM_cooc.L.PET	0.3131865176	1.758257e-01	0.9835217875
## Contrast_cooc.L.PET	0.1481155030	-2.181187e-01	0.4115727542
## Dissimilarity_cooc.L.PET	0.2519218653	-1.729618e-01	0.4367026118
## Inv_diff_cooc.L.PET	0.6384226972	4.329550e-01	0.4836558393
## Inv_diff_norm_cooc.L.PET	0.5619761000	2.024167e-01	0.4357202529
## IDM_cooc.L.PET	0.6407486394	4.980609e-01	0.5325533953
## IDM_norm_cooc.L.PET	0.5484469620	1.769811e-01	0.4382557459
## Inv_var_cooc.L.PET	0.6404658345	4.897827e-01	0.5271113608
## Correlation_cooc.L.PET	0.4084393222	1.503650e-01	0.2315937952
## Autocorrelation_cooc.L.PET	-0.1429541228	-3.782362e-01	0.3326295319
## Tendency_cooc.L.PET	0.2028598542	-2.541049e-01	0.3602629948
## Shade_cooc.L.PET	0.6402971547	1.423211e-01	0.1411280612
## Prominence_cooc.L.PET	0.2674237946	-1.711884e-01	0.3075248326
## IC1_.L.PET	-0.2002747374	1.389360e-01	-0.0796097730
## IC2_.L.PET	0.4903956516	1.699821e-02	0.5621800844
## Coarseness_vdif_.L.PET	0.2999685105	8.135385e-02	0.9634562372
## Contrast_vdif_.L.PET	0.0892594554	-1.055813e-01	0.3779700324
## Busyness_vdif_.L.PET	0.2658226937	2.501461e-01	-0.1132361725
## Complexity_vdif_.L.PET	0.3598338258	-4.290387e-02	0.5180748386
## Strength_vdif_.L.PET	0.3900287410	1.187634e-01	0.4511842119
## SRE_align.L.PET	0.5313471953	1.413566e-01	0.4559397961
## LRE_align.L.PET	0.5559899291	2.005340e-01	0.4244881343
## GLNU_align.L.PET	0.1985513219	2.639431e-01	-0.1042563198
## RLNU_align.L.PET	0.0204235472	4.380832e-02	-0.1593059698
## RP_align.L.PET	0.5290616936	1.370977e-01	0.4569981855
## LGRE_align.L.PET	0.7965944591	5.686771e-01	0.6718097664
## HGRE_align.L.PET	-0.1287764190	-3.707342e-01	0.3544168830
## LGSRE_align.L.PET	0.7896915455	5.570008e-01	0.6828057381
## HGSRE_align.L.PET	-0.1238570909	-3.689423e-01	0.3575254908
## LGHRE_align.L.PET	0.8195865463	6.137375e-01	0.6259550769
## HGLRE_align.L.PET	-0.1484319490	-3.768877e-01	0.3403652819
## GLNU_norm_align.L.PET	0.6270403578	4.297032e-01	0.8982439963
## RLNU_norm_align.L.PET	0.5210060555	1.229637e-01	0.4613142129
## GLVAR_align.L.PET	0.1139871993	-2.928513e-01	0.3934122964
## RLVAR_align.L.PET	0.4967233928	3.802765e-01	0.7635818358
## Entropy_align.L.PET	0.4183844300	2.962938e-02	0.3713369930
## SZSE.L.PET	0.5163581605	1.218441e-01	0.4662171224
## LZSE.L.PET	0.4213132530	2.538954e-01	0.2408373732
## LGLZE.L.PET	0.7869471832	5.625848e-01	0.6855431845
## HGLZE.L.PET	-0.1130153383	-3.666433e-01	0.3592547253
## SZLGE.L.PET	0.7563242852	5.176148e-01	0.7209957793
## SZHGE.L.PET	-0.0861926914	-3.519863e-01	0.3721548211
## LZLGE.L.PET	0.8109934487	7.053562e-01	0.4705321491
## LZHGE.L.PET	-0.1884194298	-3.373484e-01	0.2356961495

## GLNU_area.L.PET	0.1829674821	2.370473e-01	-0.1105790670
## ZSNU.L.PET	0.0037719822	1.993448e-02	-0.1679850140
## ZSP.L.PET	0.5102574629	1.014395e-01	0.4675390343
## GLNU_norm.L.PET	0.6210039891	4.223641e-01	0.9009440370
## ZSNU_norm.L.PET	0.4957782903	7.898997e-02	0.4731042464
## GLVAR_area.L.PET	0.1238042184	-2.874512e-01	0.4015268786
## ZSVAR.L.PET	0.4050566727	4.712947e-01	0.2674981399
## Entropy_area.L.PET	0.4337208865	5.799452e-02	0.3634475074
## Max_cooc.H.PET	0.4084663032	2.223905e-01	0.4524825770
## Average_cooc.H.PET	0.5782920539	1.805238e-01	0.4403521882
## Variance_cooc.H.PET	0.2206449368	-3.001508e-02	0.2855828583
## Entropy_cooc.H.PET	0.4601917632	1.679566e-01	0.2599295282
## DAVE_cooc.H.PET	0.3276312813	2.807214e-02	0.3562995173
## DVAR_cooc.H.PET	0.2505811720	-2.462584e-03	0.3667142746
## DENT_cooc.H.PET	0.4243424605	1.236889e-01	0.1756036266
## SAVE_cooc.H.PET	0.5579867470	1.482727e-01	0.4081675178
## SVAR_cooc.H.PET	0.2899912832	1.800050e-02	0.2767310756
## SENT_cooc.H.PET	0.3197198649	6.458186e-02	0.5683123313
## ASM_cooc.H.PET	0.3380562358	1.886572e-01	0.5310851837
## Contrast_cooc.H.PET	0.2124865991	-2.885056e-02	0.3303339898
## Dissimilarity_cooc.H.PET	0.3276312813	2.807214e-02	0.3562995173
## Inv_diff_cooc.H.PET	0.5170263663	2.341618e-01	0.4737855273
## Inv_diff_norm_cooc.H.PET	0.5607395528	1.716303e-01	0.4591597106
## IDM_cooc.H.PET	0.4735627850	2.310638e-01	0.4516187572
## IDM_norm_cooc.H.PET	0.5526041040	1.642447e-01	0.4516914463
## Inv_var_cooc_.H.PET	0.4482715033	2.174074e-01	0.8491680704
## Correlation_cooc.H.PET	0.3534796145	1.028976e-01	0.2332780269
## Autocorrelation_cooc.H.PET	0.5853270495	1.959477e-01	0.4456017323
## Tendency_cooc.H.PET	0.2052922339	-2.798458e-02	0.2357403921
## Shade_cooc.H.PET	0.2333681389	2.037485e-01	-0.1266902248
## Prominence_cooc.H.PET	-0.0104934685	-1.136204e-01	0.1061922072
## IC1_d.H.PET	-0.0979727098	2.467592e-03	0.4048057783
## IC2_d.H.PET	0.4495629180	1.276929e-01	0.3082472257
## Coarseness_vdif.H.PET	0.3002794083	1.429102e-01	0.9890462024
## Contrast_vdif.H.PET	0.0024640084	-7.102114e-02	0.3357409816
## Busyness_vdif.H.PET	0.0733860684	1.553007e-02	-0.4184966661
## Complexity_vdif.H.PET	0.2756835639	5.477443e-02	0.6907684056
## Strength_vdif.H.PET	0.1534562911	8.017796e-02	0.1656808405
## SRE_align.H.PET	0.4975044216	1.265080e-01	0.4286838474
## LRE_align.H.PET	0.4261413853	1.590805e-01	0.3097316483
## RLNU_align.H.PET	0.0090256955	2.883638e-02	-0.1450317430
## RP_align.H.PET	0.4830621332	1.155998e-01	0.4258638814
## LGRE_align.H.PET	0.2739997135	1.319800e-01	0.9718776864
## HGRE_align.H.PET	0.5984659204	2.125278e-01	0.4445759359
## LGSRE_align.H.PET	0.2735957105	1.320888e-01	0.9723322785
## HGSRE_align.H.PET	0.6202174955	2.115752e-01	0.4465633536
## LGHRE_align.H.PET	0.2771426156	1.321288e-01	0.9693121167
## HGLRE_align.H.PET	0.3061164158	1.213095e-01	0.2461879633
## GLNU_norm_align.H.PET	0.4918428508	2.366876e-01	0.4979255782
## RLNU_norm_align.H.PET	0.4360549272	8.829437e-02	0.3977221810
## GLVAR_align.H.PET	0.1732107532	-4.463362e-02	0.2533684089
## RLVAR_align.H.PET	0.2457455245	1.208461e-01	0.1953715284
## Entropy_align.H.PET	0.3808715693	6.961230e-02	0.2671741535
## SZSE.H.PET	0.4416760851	1.124853e-01	0.3561262213

## LZSE.H.PET	0.0257074255	3.668321e-03	-0.0662427484
## LGLZE.H.PET	0.2688026643	1.288652e-01	0.9695438752
## HGLZE.H.PET	0.6938868906	2.825966e-01	0.3538259072
## SZLGE.H.PET	0.2717141439	1.313172e-01	0.9712529630
## SZHGE.H.PET	0.6584112939	2.562049e-01	0.3496593320
## LZLGE.H.PET	0.0407081407	1.324581e-02	0.0654779842
## LZHGE.H.PET	0.0121969560	-1.494310e-03	-0.0238531229
## GLNU_area.H.PET	0.1050030508	1.267019e-01	-0.1612096071
## ZSNU.H.PET	-0.0290131139	-1.985225e-02	-0.1445263904
## ZSP.H.PET	0.2956674569	2.538766e-02	0.2481585206
## GLNU_norm.H.PET	0.4104410646	1.691881e-01	0.4964072357
## ZSNU_norm.H.PET	0.3518404500	6.355157e-02	0.2890485692
## GLVAR_area.H.PET	0.1749187343	-3.535394e-02	0.2367141507
## ZSVAR.H.PET	0.0141800168	-3.258403e-05	-0.0427446665
## Entropy_area.H.PET	0.4501142075	1.252667e-01	0.3112345065
## Max_cooc.W.PET	0.3892741025	2.070526e-01	0.6683545255
## Average_cooc.W.PET	0.0348449931	-9.285055e-02	0.0705435306
## Variance_cooc.W.PET	0.0765981122	-5.443406e-02	0.0109495023
## Entropy_cooc.W.PET	0.3634175866	5.629962e-02	0.2479356880
## DAVE_cooc.W.PET	0.1792928899	-4.313267e-02	0.1282753840
## DVAR_cooc.W.PET	0.0810273642	-5.922308e-02	0.0174040907
## DENT_cooc.W.PET	0.3915327882	6.706269e-02	0.2766208692
## SAVE_cooc.W.PET	0.0342657144	-9.317182e-02	0.0685442186
## SVAR_cooc.W.PET	0.0808225378	-4.211447e-02	0.0068851957
## SENT_cooc.W.PET	0.4316389112	9.044118e-02	0.3793355499
## ASM_cooc.W.PET	0.3477435852	1.877844e-01	0.8229451630
## Contrast_cooc.W.PET	0.0583356073	-8.201417e-02	0.0193758753
## Dissimilarity_cooc.W.PET	0.1792928899	-4.313267e-02	0.1282753840
## Inv_diff_cooc.W.PET	0.5116948654	2.161525e-01	0.4920091612
## Inv_diff_norm_cooc.W.PET	0.5621251633	2.015741e-01	0.4388169402
## IDM_cooc.W.PET	0.4590814729	2.115514e-01	0.4633295908
## IDM_norm_cooc.W.PET	0.5482085961	1.764640e-01	0.4399087536
## Inv_var_cooc.W.PET	0.4759853418	2.122568e-01	0.4929055995
## Correlation_cooc.W.PET	0.4083284130	1.514791e-01	0.2277294290
## Autocorrelation_cooc.W.PET	-0.0993141144	-1.191032e-01	-0.0410455948
## Tendency_cooc.W.PET	0.0808225378	-4.211447e-02	0.0068851957
## Shade_cooc.W.PET	0.1682025457	4.787434e-02	0.0247124761
## Prominence_cooc.W.PET	0.0539057514	2.321261e-03	-0.0055786425
## IC1_d.W.PET	-0.1231521303	2.830944e-02	0.4503134578
## IC2_d.W.PET	0.5005101743	1.209270e-01	0.3851285337
## Coarseness_vdif.W.PET	0.2669417496	5.372084e-02	0.9212697535
## Contrast_vdif.W.PET	0.1178689525	-1.379989e-01	0.3020610483
## Busyness_vdif.W.PET	0.1665246267	8.382623e-03	-0.1030525311
## Complexity_vdif.W.PET	0.0781885421	6.907222e-02	-0.0127184005
## Strength_vdif.W.PET	0.4193818541	2.524439e-01	0.2333197574
## SRE_align.W.PET	0.5226755829	1.421441e-01	0.4424937418
## LRE_align.W.PET	0.5112497621	1.697791e-01	0.4044935593
## GLNU_align.W.PET	0.1864695404	2.255809e-01	-0.1582426115
## RLNU_align.W.PET	0.0206928208	4.259631e-02	-0.1476061712
## RP_align.W.PET	0.5157307657	1.368875e-01	0.4402042264
## LGRE_align.W.PET	0.5917497955	3.012787e-01	0.4796761940
## HGRE_align.W.PET	-0.0928079181	-1.125132e-01	-0.0484809315
## LGSRE_align.W.PET	0.6080164823	3.053565e-01	0.5112783480
## HGSRE_align.W.PET	-0.0889104219	-1.108682e-01	-0.0488069509

## LGHRE_align.W.PET	0.4900943994	2.614743e-01	0.3323116148
## HGLRE_align.W.PET	-0.1101059426	-1.197814e-01	-0.0478136534
## GLNU_norm_align.W.PET	0.4973676484	2.426977e-01	0.5969311220
## RLNU_norm_align.W.PET	0.4948544763	1.238071e-01	0.4256688596
## GLVAR_align.W.PET	0.0344195203	-6.335900e-02	-0.0057816768
## RLVAR_align.W.PET	0.2914351767	1.423479e-01	0.3387146332
## Entropy_align.W.PET	0.3825649306	7.067093e-02	0.2724761245
## SZSE.W.PET	0.4959747182	1.308725e-01	0.4247634466
## LZSE.W.PET	0.1048377509	3.112240e-02	0.1014187511
## LGLZE.W.PET	0.5655007900	2.826507e-01	0.4925921563
## HGLZE.W.PET	-0.0719885663	-1.027205e-01	-0.0456337855
## SZLGE.W.PET	0.6054589006	2.986681e-01	0.5717394141
## SZHGE.W.PET	-0.0563392996	-9.558151e-02	-0.0448046191
## LZLGE.W.PET	0.1446513206	7.837015e-02	0.0330429934
## LZHGE.W.PET	-0.1808202632	-1.520349e-01	-0.0196050071
## GLNU_area.W.PET	0.1579744637	1.897667e-01	-0.1590546042
## ZSNU.W.PET	-0.0003052533	1.284376e-02	-0.1434483706
## ZSP.W.PET	0.4331848310	9.765693e-02	0.3658593298
## GLNU_norm.W.PET	0.4648217297	2.146323e-01	0.6116722993
## ZSNU_norm.W.PET	0.4367255054	9.671068e-02	0.3729845632
## GLVAR_area.W.PET	0.0453764911	-5.383928e-02	-0.0009637731
## ZSVAR.W.PET	0.0550710371	1.566875e-02	0.0646615549
## Entropy_area.W.PET	0.4281633204	1.030955e-01	0.2968074202
## Min_hist.ADC	0.1459681757	2.215553e-02	0.2476072279
## Max_hist.ADC	0.5807510561	3.093455e-01	0.3358321017
## Mean_hist.ADC	0.5881514135	2.579935e-01	0.3805838243
## Variance_hist.ADC	0.4103058462	3.374920e-01	0.2367628444
## Standard_Deviation_hist.ADC	0.5149536292	3.039872e-01	0.3285970629
## Skewness_hist.ADC	-0.0271233417	-6.089955e-02	0.0890997222
## Kurtosis_hist.ADC	0.2168912469	1.803252e-02	0.0888063484
## Energy_hist.ADC	0.2929307715	1.328092e-01	0.9814726625
## Entropy_hist.ADC	0.5253131238	1.960464e-01	0.3511417152
## AUC_hist.ADC	0.4826271720	1.293619e-01	0.4488323069
## Volume.ADC	0.1261650144	1.448776e-01	-0.2169858535
## X3D_surface.ADC	0.2499303913	1.697526e-01	0.0313783228
## ratio_3ds_vol.ADC	0.3575448304	3.932237e-02	0.5283292817
## ratio_3ds_vol_norm.ADC	0.5515123687	2.058061e-01	0.3460519632
## irregularity.ADC	0.4804766631	8.823008e-02	0.4703838946
## Compactness_v1.ADC	0.3872715179	1.303695e-01	0.9265473714
##	Entropy_hist.PET	AUC_hist.PET	H_suv.PET
## Failure	-0.095064398	-0.001831508	-0.046877392
## Entropy_cooc.W.ADC	0.141379092	0.037414429	-0.022796985
## GLNU_align.H.PET	0.080927587	-0.021376469	-0.057681645
## Min_hist.PET	0.560827587	0.509900640	0.860016880
## Max_hist.PET	0.639514377	0.534036400	0.867928872
## Mean_hist.PET	0.583094476	0.509410593	0.898991555
## Variance_hist.PET	0.354651850	0.248882156	0.809177718
## Standard_Deviation_hist.PET	0.590642153	0.523496209	0.926082225
## Skewness_hist.PET	0.468412183	0.564611734	0.148703679
## Kurtosis_hist.PET	0.198778308	0.177608083	-0.056344303
## Energy_hist.PET	0.232543254	0.488623382	0.219521509
## Entropy_hist.PET	1.000000000	0.869962730	0.542902267
## AUC_hist.PET	0.869962730	1.000000000	0.549047207
## H_suv.PET	0.542902267	0.549047207	1.000000000

## Volume.PET	0.572893024	0.332705925	0.289510174
## X3D_surface.PET	0.421954516	0.239282802	0.180807185
## ratio_3ds_vol.PET	0.289173545	0.588324823	0.255182440
## ratio_3ds_vol_norm.PET	0.478429399	0.607081275	0.342058790
## irregularity.PET	0.783499349	0.964453176	0.493035645
## tumor_length.PET	0.693028978	0.613270078	0.415800480
## Compactness_v1.PET	0.412067158	0.591978993	0.332333497
## Compactness_v2.PET	0.279553556	0.213352355	0.193575234
## Spherical_disproportion.PET	0.478429399	0.607081275	0.342058790
## Sphericity.PET	0.322473989	0.207676394	0.181656307
## Asphericity.PET	0.458557621	0.585805864	0.329886456
## Center_of_mass.PET	0.493023479	0.389128328	0.313691859
## Max_3D_diam.PET	0.688280145	0.456302643	0.366548900
## Major_axis_length.PET	0.731065405	0.503042636	0.442638037
## Minor_axis_length.PET	0.807862198	0.665319496	0.453701273
## Least_axis_length.PET	0.736595198	0.561380022	0.415292842
## Elongation.PET	0.674480102	0.860075734	0.421561857
## Flatness.PET	0.644040021	0.794966336	0.405786226
## Max_cooc.L.PET	0.291250330	0.515493062	0.236403787
## Average_cooc.L.PET	0.607153084	0.787694314	0.510151368
## Variance_cooc.L.PET	0.350471575	0.627526617	0.357606936
## Entropy_cooc.L.PET	0.873702113	0.968368894	0.595935004
## DAVE_cooc.L.PET	0.482961490	0.739540314	0.492074108
## DVAR_cooc.L.PET	0.360655289	0.661632712	0.482682406
## DENT_cooc.L.PET	0.790090002	0.958375967	0.581953795
## SAVE_cooc.L.PET	0.607083015	0.787439929	0.510071435
## SVAR_cooc.L.PET	0.386513772	0.636197161	0.304253550
## SENT_cooc.L.PET	0.817513311	0.970955894	0.550029492
## ASM_cooc.L.PET	0.274593745	0.486626761	0.237964905
## Contrast_cooc.L.PET	0.246002737	0.529192901	0.394161319
## Dissimilarity_cooc.L.PET	0.482961490	0.739540314	0.492074108
## Inv_diff_cooc.L.PET	0.843500302	0.872383504	0.435180204
## Inv_diff_norm_cooc.L.PET	0.895059603	0.992788121	0.551460724
## IDM_cooc.L.PET	0.767915086	0.791731917	0.375299832
## IDM_norm_cooc.L.PET	0.887135288	0.994943512	0.557356434
## Inv_var_cooc.L.PET	0.780133922	0.796242863	0.384548514
## Correlation_cooc.L.PET	0.695206574	0.667876601	0.187377981
## Autocorrelation_cooc.L.PET	0.383681382	0.578693170	0.357094452
## Tendency_cooc.L.PET	0.386513772	0.636197161	0.304253550
## Shade_cooc.L.PET	0.208891802	0.330128747	0.106247008
## Prominence_cooc.L.PET	0.193150593	0.447874197	0.153406264
## IC1_.L.PET	-0.093799067	-0.335091468	-0.018020358
## IC2_.L.PET	0.658743370	0.897175794	0.433619027
## Coarseness_vdif_.L.PET	0.213741406	0.513004937	0.184474869
## Contrast_vdif_.L.PET	-0.007410318	0.231788138	0.093365733
## Busyness_vdif_.L.PET	0.549881300	0.336811567	0.249334220
## Complexity_vdif_.L.PET	0.435849736	0.707498933	0.493330843
## Strength_vdif_.L.PET	-0.004702253	0.300711890	-0.021652097
## SRE_align.L.PET	0.864367018	0.994671029	0.566871443
## LRE_align.L.PET	0.891934306	0.989368565	0.550706427
## GLNU_align.L.PET	0.500083326	0.278799821	0.210100702
## RLNU_align.L.PET	0.487341257	0.244527112	0.245730322
## RP_align.L.PET	0.862054160	0.994220077	0.566868876
## LGRE_align.L.PET	0.478838104	0.663817902	0.252210577

## HGRE_align.L.PET	0.397705677	0.600811234	0.394271139
## LGSRE_align.L.PET	0.479463409	0.668536861	0.258541766
## HGSRE_align.L.PET	0.392776014	0.599479762	0.393196414
## LGHRE_align.L.PET	0.474185609	0.641702648	0.225884548
## HGLRE_align.L.PET	0.416833777	0.604394273	0.397656757
## GLNU_norm_align.L.PET	0.515414993	0.719215976	0.318041040
## RLNU_norm_align.L.PET	0.853359796	0.991991090	0.567492600
## GLVAR_align.L.PET	0.392686210	0.651767979	0.389137545
## RLVAR_align.L.PET	0.600333774	0.683598825	0.333335463
## Entropy_align.L.PET	0.873185048	0.973567565	0.590072995
## SZSE.L.PET	0.830781705	0.973551882	0.566588974
## LZSE.L.PET	0.682184179	0.689686760	0.351358630
## LGLZE.L.PET	0.488940584	0.675172276	0.258312313
## HGLZE.L.PET	0.403239218	0.610752426	0.403106039
## SZLGE.L.PET	0.484838586	0.684536021	0.274347042
## SZHGE.L.PET	0.388836334	0.607766208	0.406772304
## LZLGE.L.PET	0.440616440	0.541348229	0.153618077
## LZHGE.L.PET	0.376823354	0.493339962	0.311683731
## GLNU_area.L.PET	0.503513706	0.279677256	0.216722800
## ZSNU.L.PET	0.487363984	0.244321837	0.253771298
## ZSP.L.PET	0.829020552	0.978600659	0.566632050
## GLNU_norm.L.PET	0.517085851	0.719505597	0.319052607
## ZSNU_norm.L.PET	0.819187181	0.978325114	0.567046277
## GLVAR_area.L.PET	0.402430914	0.663003267	0.402168625
## ZSVAR.L.PET	0.525660934	0.465456678	0.232784937
## Entropy_area.L.PET	0.886879442	0.975380771	0.589915735
## Max_cooc.H.PET	0.118434438	0.334001927	-0.347583139
## Average_cooc.H.PET	0.813045992	0.970524386	0.406378476
## Variance_cooc.H.PET	0.822215391	0.841115424	0.782866791
## Entropy_cooc.H.PET	0.751745871	0.820378314	0.729418153
## DAVE_cooc.H.PET	0.765988087	0.863544199	0.763509093
## DVAR_cooc.H.PET	0.742389901	0.839433428	0.712698141
## DENT_cooc.H.PET	0.830703260	0.766444200	0.577702498
## SAVE_cooc.H.PET	0.852351247	0.975476057	0.472693128
## SVAR_cooc.H.PET	0.887437252	0.839254948	0.653930867
## SENT_cooc.H.PET	0.590718570	0.696334136	0.733363541
## ASM_cooc.H.PET	0.110254627	0.323350220	-0.292764314
## Contrast_cooc.H.PET	0.674179455	0.766492003	0.778079539
## Dissimilarity_cooc.H.PET	0.765988087	0.863544199	0.763509093
## Inv_diff_cooc.H.PET	0.522240107	0.691789284	-0.113034611
## Inv_diff_norm_cooc.H.PET	0.867201536	0.994123790	0.511837928
## IDM_cooc.H.PET	0.419047251	0.589951780	-0.233037047
## IDM_norm_cooc.H.PET	0.871701544	0.995656767	0.538548297
## Inv_var_cooc.H.PET	0.496622842	0.629842588	0.538203129
## Correlation_cooc.H.PET	0.700480413	0.672692854	0.253145529
## Autocorrelation_cooc.H.PET	0.738987152	0.916270248	0.258852527
## Tendency_cooc.H.PET	0.828671829	0.806194877	0.715463043
## Shade_cooc.H.PET	-0.428485529	-0.394632442	-0.413937372
## Prominence_cooc.H.PET	0.684342839	0.587484366	0.728873677
## IC1_d.H.PET	-0.225773632	-0.098769148	0.253916726
## IC2_d.H.PET	0.777562810	0.787046133	0.401813516
## Coarseness_vdif.H.PET	0.250022755	0.478474262	0.245722555
## Contrast_vdif.H.PET	0.078092719	0.291160406	-0.240231240
## Busyness_vdif.H.PET	0.291325033	0.124706056	0.035338983

## Complexity_vdif.H.PET	0.458393214	0.665831159	0.519420422
## Strength_vdif.H.PET	-0.092096617	0.033536786	-0.112687390
## SRE_align.H.PET	0.856057964	0.965809194	0.705078821
## LRE_align.H.PET	0.543687423	0.647770186	-0.093557149
## RLNU_align.H.PET	0.476437631	0.241077780	0.324051033
## RP_align.H.PET	0.841947401	0.952941816	0.732529184
## LGRE_align.H.PET	0.303349232	0.501861213	0.306094838
## HGRE_align.H.PET	0.746325351	0.922757760	0.283426187
## LGSRE_align.H.PET	0.300441618	0.499477571	0.304802526
## HGSRE_align.H.PET	0.791736124	0.964104110	0.474264832
## LGHRE_align.H.PET	0.319708249	0.514808112	0.305384974
## HGLRE_align.H.PET	0.351298388	0.447390508	-0.258927631
## GLNU_norm_align.H.PET	0.299383341	0.532693350	-0.258280844
## RLNU_norm_align.H.PET	0.804485686	0.900370345	0.807986612
## GLVAR_align.H.PET	0.812188403	0.807199060	0.781391456
## RLVAR_align.H.PET	0.256750844	0.300584393	-0.389016144
## Entropy_align.H.PET	0.889631898	0.890875540	0.776094366
## SZSE.H.PET	0.786518753	0.849374568	0.826978057
## LZSE.H.PET	-0.029415213	-0.049518489	-0.226938463
## LGLZE.H.PET	0.305207739	0.502263371	0.310855021
## HGLZE.H.PET	0.781089936	0.874926149	0.297021910
## SZLGE.H.PET	0.297453056	0.496317581	0.304974409
## SZHGE.H.PET	0.704242794	0.833333524	0.610554080
## LZLGE.H.PET	0.013189881	0.027870209	-0.244685812
## LZHGE.H.PET	-0.048069101	-0.044238706	-0.268655209
## GLNU_area.H.PET	0.511230490	0.283400304	0.220425442
## ZSNU.H.PET	0.435616652	0.206666928	0.392932118
## ZSP.H.PET	0.631565016	0.660238542	0.912734603
## GLNU_norm.H.PET	0.313970612	0.540267949	-0.245555998
## ZSNU_norm.H.PET	0.682100586	0.715162496	0.906934089
## GLVAR_area.H.PET	0.801115153	0.786718317	0.778878818
## ZSVAR.H.PET	-0.042083202	-0.044662227	-0.257478733
## Entropy_area.H.PET	0.917968835	0.942528043	0.647718783
## Max_cooc.W.PET	0.137326634	0.382255851	-0.186044858
## Average_cooc.W.PET	0.594250906	0.506576407	0.910760266
## Variance_cooc.W.PET	0.339427138	0.250086698	0.807480146
## Entropy_cooc.W.PET	0.836756229	0.844790051	0.853465193
## DAVE_cooc.W.PET	0.555582900	0.533425388	0.962037832
## DVAR_cooc.W.PET	0.349282853	0.279100265	0.876676375
## DENT_cooc.W.PET	0.794392286	0.829336703	0.880864352
## SAVE_cooc.W.PET	0.593845293	0.505719730	0.910474422
## SVAR_cooc.W.PET	0.324639971	0.227794653	0.746332023
## SENT_cooc.W.PET	0.844487116	0.890618296	0.812216897
## ASM_cooc.W.PET	0.181284836	0.424222840	-0.063545342
## Contrast_cooc.W.PET	0.347501271	0.285524990	0.895171553
## Dissimilarity_cooc.W.PET	0.555582900	0.533425388	0.962037832
## Inv_diff_cooc.W.PET	0.590550937	0.767841577	-0.049115575
## Inv_diff_norm_cooc.W.PET	0.892808744	0.993168484	0.545602962
## IDM_cooc.W.PET	0.461355773	0.637826070	-0.204598315
## IDM_norm_cooc.W.PET	0.886137359	0.995111054	0.555907727
## Inv_var_cooc.W.PET	0.535516401	0.707209319	-0.132060773
## Correlation_cooc.W.PET	0.698664254	0.667222995	0.199800279
## Autocorrelation_cooc.W.PET	0.379974600	0.240820465	0.794657622
## Tendency_cooc.W.PET	0.324639971	0.227794653	0.746332023

## Shade_cooc.W.PET	0.099386838	0.051057331	0.361451401
## Prominence_cooc.W.PET	0.087653301	0.013768764	0.353698059
## IC1_d.W.PET	-0.216530286	-0.107935051	0.112181968
## IC2_d.W.PET	0.791824641	0.850642612	0.525760709
## Coarseness_vdif.W.PET	0.157253712	0.479086428	0.133810167
## Contrast_vdif.W.PET	0.357672149	0.466171083	0.854495484
## Busyness_vdif.W.PET	0.273613929	0.241693909	-0.370857074
## Complexity_vdif.W.PET	0.290875835	0.164240872	0.648663681
## Strength_vdif.W.PET	0.152192089	0.249100353	0.445320482
## SRE_align.W.PET	0.870327622	0.987525651	0.637404594
## LRE_align.W.PET	0.747678491	0.870553164	0.184325649
## GLNU_align.W.PET	0.512517089	0.286422387	0.015832476
## RLNU_align.W.PET	0.481252909	0.243722296	0.286690451
## RP_align.W.PET	0.866139538	0.982670203	0.657601800
## LGRE_align.W.PET	0.279926164	0.517458758	-0.239358676
## HGRE_align.W.PET	0.385444307	0.243393853	0.802271214
## LGSRE_align.W.PET	0.308160156	0.553357302	-0.199105698
## HGSRE_align.W.PET	0.379849097	0.239187413	0.803578011
## LGHRE_align.W.PET	0.165594917	0.353006320	-0.356093226
## HGLRE_align.W.PET	0.408752511	0.259982540	0.792950898
## GLNU_norm_align.W.PET	0.287941135	0.539353581	-0.209248198
## RLNU_norm_align.W.PET	0.855016020	0.962027692	0.716666483
## GLVAR_align.W.PET	0.355402462	0.248734542	0.807639190
## RLVAR_align.W.PET	0.287552597	0.379564950	-0.334544918
## Entropy_align.W.PET	0.883157408	0.892329293	0.790503001
## SZSE.W.PET	0.832262953	0.937522911	0.727805700
## LZSE.W.PET	0.075111010	0.134231735	-0.354129178
## LGLZE.W.PET	0.313904748	0.540658164	-0.226496052
## HGLZE.W.PET	0.385712807	0.247656389	0.804343255
## SZLGE.W.PET	0.381997286	0.616311927	-0.096015089
## SZHGE.W.PET	0.368476825	0.236140525	0.803491349
## LZLGE.W.PET	-0.052410775	0.007663750	-0.311359584
## LZHGE.W.PET	0.427020893	0.281663244	0.561962992
## GLNU_area.W.PET	0.521405290	0.292830679	0.109423363
## ZSNU.W.PET	0.460461597	0.228959540	0.341215898
## ZSP.W.PET	0.786724280	0.864050001	0.824081096
## GLNU_norm.W.PET	0.306537395	0.557436924	-0.202150332
## ZSNU_norm.W.PET	0.782094482	0.859116589	0.837805667
## GLVAR_area.W.PET	0.359013323	0.253168036	0.807316850
## ZSVAR.W.PET	0.001123126	0.046315780	-0.363291339
## Entropy_area.W.PET	0.911537796	0.932360383	0.706334717
## Min_hist.ADC	0.155982982	0.324709278	0.107237704
## Max_hist.ADC	0.859635517	0.885057107	0.506921157
## Mean_hist.ADC	0.759115829	0.862690345	0.427829800
## Variance_hist.ADC	0.568674769	0.467724369	0.215683325
## Standard_Deviation_hist.ADC	0.775226026	0.736095982	0.389698890
## Skewness_hist.ADC	0.185481893	0.233800619	0.216469637
## Kurtosis_hist.ADC	0.190330614	0.269691635	0.235616299
## Energy_hist.ADC	0.272425911	0.497087691	0.239928472
## Entropy_hist.ADC	0.898023645	0.948069593	0.570074062
## AUC_hist.ADC	0.857825290	0.975929150	0.595446791
## Volume.ADC	0.547763687	0.320605819	0.272963572
## X3D_surface.ADC	0.544395567	0.443931722	0.367672513
## ratio_3ds_vol.ADC	0.447990361	0.653728295	0.267013965

## ratio_3ds_vol_norm.ADC	0.891609781	0.940846772	0.530114312
## irregularity.ADC	0.796296906	0.953975127	0.542058719
## Compactness_v1.ADC	0.486714037	0.720828064	0.385556382
##	Volume.PET	X3D_surface.PET	ratio_3ds_vol.PET
## Failure	-0.124869611	-0.152896517	0.126702678
## Entropy_cooc.W.ADC	0.120026716	0.175521055	-0.027240067
## GLNU_align.H.PET	0.116170093	0.371454267	-0.093626823
## Min_hist.PET	0.370172985	0.247804568	0.132382670
## Max_hist.PET	0.497362271	0.385809977	0.081683774
## Mean_hist.PET	0.411817916	0.285816757	0.085932915
## Variance_hist.PET	0.320823640	0.273551241	-0.015324428
## Standard_Deviation_hist.PET	0.394932577	0.324923563	0.120525139
## Skewness_hist.PET	0.136632741	0.082430015	0.531458831
## Kurtosis_hist.PET	0.157427964	0.099723512	0.215179592
## Energy_hist.PET	-0.217016874	0.044112485	0.706546526
## Entropy_hist.PET	0.572893024	0.421954516	0.289173545
## AUC_hist.PET	0.332705925	0.239282802	0.588324823
## H_suv.PET	0.289510174	0.180807185	0.255182440
## Volume.PET	1.000000000	0.406599587	-0.299435315
## X3D_surface.PET	0.406599587	1.000000000	-0.057228766
## ratio_3ds_vol.PET	-0.299435315	-0.057228766	1.000000000
## ratio_3ds_vol_norm.PET	-0.046702206	0.408668902	0.763989294
## irregularity.PET	0.192634321	0.111517593	0.683271135
## tumor_length.PET	0.400145203	0.810445931	0.196991850
## Compactness_v1.PET	0.063901979	0.112669067	0.452909861
## Compactness_v2.PET	0.501861440	0.009997249	-0.449679923
## Spherical_disproportion.PET	-0.046702206	0.408668902	0.763989294
## Sphericity.PET	0.565183203	-0.006674273	-0.498986550
## Asphericity.PET	-0.058713680	0.408768184	0.759764503
## Center_of_mass.PET	0.370134296	0.687465713	0.138908233
## Max_3D_diam.PET	0.789864256	0.591205129	-0.288405814
## Major_axis_length.PET	0.753209183	0.674378796	-0.149078356
## Minor_axis_length.PET	0.677412112	0.682062628	0.022774653
## Least_axis_length.PET	0.718478062	0.708421983	-0.150169643
## Elongation.PET	0.116403319	0.104404177	0.608396167
## Flatness.PET	0.187529551	0.170756388	0.402923434
## Max_cooc.L.PET	-0.154869919	0.096461308	0.674106888
## Average_cooc.L.PET	0.084923869	0.033087809	0.493451432
## Variance_cooc.L.PET	-0.193344226	-0.159715041	0.637921470
## Entropy_cooc.L.PET	0.349854949	0.221586309	0.475679804
## DAVE_cooc.L.PET	-0.052771301	-0.123238244	0.632590652
## DVAR_cooc.L.PET	-0.116932151	-0.082373920	0.662959516
## DENT_cooc.L.PET	0.224918753	0.107777561	0.601748624
## SAVE_cooc.L.PET	0.085163355	0.032973876	0.492885197
## SVAR_cooc.L.PET	-0.162922408	-0.097640828	0.606538270
## SENT_cooc.L.PET	0.219587161	0.194831820	0.664957928
## ASM_cooc.L.PET	-0.156949022	0.107538876	0.639087506
## Contrast_cooc.L.PET	-0.215598369	-0.236846439	0.601753506
## Dissimilarity_cooc.L.PET	-0.052771301	-0.123238244	0.632590652
## Inv_diff_cooc.L.PET	0.426303434	0.406500674	0.455841647
## Inv_diff_norm_cooc.L.PET	0.372459964	0.269955167	0.543211939
## IDM_cooc.L.PET	0.388673969	0.418321386	0.443725735
## IDM_norm_cooc.L.PET	0.355500357	0.250107413	0.554083703
## Inv_var_cooc.L.PET	0.399262240	0.422892766	0.443179403

## Correlation_cooc.L.PET	0.361113692	0.450240076	0.259559717
## Autocorrelation_cooc.L.PET	-0.075851667	-0.060029479	0.420992095
## Tendency_cooc.L.PET	-0.162922408	-0.097640828	0.606538270
## Shade_cooc.L.PET	-0.133207609	-0.083698917	0.462899884
## Prominence_cooc.L.PET	-0.309059749	-0.196378928	0.608956132
## IC1_.L.PET	0.227544894	0.200616519	-0.528614199
## IC2_.L.PET	0.021508628	0.072831844	0.759893100
## Coarseness_vdif_.L.PET	-0.276982319	-0.053603033	0.786300153
## Contrast_vdif_.L.PET	-0.229186717	-0.194868032	0.481893156
## Busyness_vdif_.L.PET	0.753263414	0.769918610	-0.243151298
## Complexity_vdif_.L.PET	-0.100906691	-0.110309455	0.724300847
## Strength_vdif_.L.PET	-0.335372703	-0.275662037	0.721409775
## SRE_align.L.PET	0.315225237	0.211054325	0.584034242
## LRE_align.L.PET	0.368470758	0.270452289	0.537510753
## GLNU_align.L.PET	0.685516407	0.857608486	-0.224643305
## RLNU_align.L.PET	0.681261573	0.884993123	-0.295704551
## RP_align.L.PET	0.310484529	0.206424731	0.586422453
## LGRE_align.L.PET	0.039313383	0.142922505	0.678353819
## HGRE_align.L.PET	-0.057387925	-0.064476298	0.441944486
## LGSRE_align.L.PET	0.034110003	0.139830558	0.685534549
## HGSRE_align.L.PET	-0.062881700	-0.070880544	0.447949563
## LGHRE_align.L.PET	0.060224076	0.155278823	0.646409826
## HGLRE_align.L.PET	-0.035369149	-0.037676977	0.415885213
## GLNU_norm_align.L.PET	0.017604133	0.163412581	0.736907808
## RLNU_norm_align.L.PET	0.294140144	0.190861693	0.594835163
## GLVAR_align.L.PET	-0.152991977	-0.125071135	0.591667293
## RLVAR_align.L.PET	0.211202542	0.377214171	0.499160211
## Entropy_align.L.PET	0.346662196	0.232276726	0.491164390
## SZSE.L.PET	0.304245264	0.196916744	0.589741466
## LZSE.L.PET	0.282268291	0.245996046	0.315006870
## LGLZE.L.PET	0.046909611	0.143090891	0.687214834
## HGLZE.L.PET	-0.056696128	-0.065720031	0.454050437
## SZLGE.L.PET	0.038127457	0.131958080	0.708422775
## SZHGE.L.PET	-0.058429292	-0.073814832	0.473600878
## LZLGE.L.PET	0.093932163	0.176942756	0.513354532
## LZHGE.L.PET	-0.040480141	-0.010607822	0.283695551
## GLNU_area.L.PET	0.696326672	0.866462320	-0.233373661
## ZSNU.L.PET	0.688791569	0.880647280	-0.304769458
## ZSP.L.PET	0.287870258	0.180378026	0.599245477
## GLNU_norm.L.PET	0.019349187	0.165594026	0.733720410
## ZSNU_norm.L.PET	0.250882141	0.154776384	0.613112308
## GLVAR_area.L.PET	-0.147237349	-0.124832136	0.602397551
## ZSVAR.L.PET	0.284470262	0.341594954	0.195438813
## Entropy_area.L.PET	0.369468959	0.253520003	0.477993589
## Max_cooc.H.PET	-0.166346182	-0.116646144	0.537190229
## Average_cooc.H.PET	0.254553621	0.147107004	0.621250892
## Variance_cooc.H.PET	0.420893871	0.316670420	0.318832952
## Entropy_cooc.H.PET	0.349241550	0.169027053	0.381642418
## DAVE_cooc.H.PET	0.305414947	0.136040115	0.446670413
## DVAR_cooc.H.PET	0.304838092	0.112176619	0.428381112
## DENT_cooc.H.PET	0.440936529	0.326918273	0.259937253
## SAVE_cooc.H.PET	0.306015702	0.184155108	0.566792961
## SVAR_cooc.H.PET	0.486062860	0.388670288	0.309942425
## SENT_cooc.H.PET	0.034464159	0.294546480	0.652264938

## ASM_cooc.H.PET	-0.171253344	-0.079754384	0.530616144
## Contrast_cooc.H.PET	0.265786403	0.078195556	0.388591763
## Dissimilarity_cooc.H.PET	0.305414947	0.136040115	0.446670413
## Inv_diff_cooc.H.PET	0.080580232	0.090538522	0.576128827
## Inv_diff_norm_cooc.H.PET	0.320228508	0.231670230	0.586599773
## IDM_cooc.H.PET	0.021227086	0.047223590	0.543587886
## IDM_norm_cooc.H.PET	0.326152766	0.231250487	0.579507780
## Inv_var_cooc.H.PET	0.020010829	0.265124018	0.614062331
## Correlation_cooc.H.PET	0.377389008	0.470944434	0.245731175
## Autocorrelation_cooc.H.PET	0.188747521	0.107123727	0.640410850
## Tendency_cooc.H.PET	0.467095945	0.417177452	0.252565289
## Shade_cooc.H.PET	-0.228611285	-0.196959894	-0.024616821
## Prominence_cooc.H.PET	0.481138315	0.457452662	0.045032024
## IC1_d.H.PET	-0.223146651	-0.260452979	0.156349086
## IC2_d.H.PET	0.367926362	0.442059393	0.359644323
## Coarseness_vdif.H.PET	-0.191498531	0.075908099	0.662564487
## Contrast_vdif.H.PET	-0.138418023	-0.137740317	0.413274718
## Busyness_vdif.H.PET	0.679369641	0.121994346	-0.459470167
## Complexity_vdif.H.PET	-0.162066262	0.071655187	0.791798778
## Strength_vdif.H.PET	-0.158365700	-0.111269720	0.248410028
## SRE_align.H.PET	0.337925155	0.224974347	0.537976888
## LRE_align.H.PET	0.146411810	0.097441093	0.415343227
## RLNU_align.H.PET	0.686068922	0.859381289	-0.284872430
## RP_align.H.PET	0.330709996	0.217556390	0.534335155
## LGRE_align.H.PET	-0.128848049	0.126476711	0.615555522
## HGRE_align.H.PET	0.226091982	0.109328414	0.640794317
## LGSRE_align.H.PET	-0.131244176	0.124393902	0.615707388
## HGSRE_align.H.PET	0.265407263	0.122280065	0.647502430
## LGHRE_align.H.PET	-0.116507913	0.138612706	0.614723150
## HGLRE_align.H.PET	0.040779682	0.054082918	0.354943211
## GLNU_norm_align.H.PET	-0.097274745	-0.092361774	0.619439519
## RLNU_norm_align.H.PET	0.323267732	0.211026191	0.492074406
## GLVAR_align.H.PET	0.433449187	0.329332406	0.259743849
## RLVAR_align.H.PET	0.020342772	0.081985474	0.234949732
## Entropy_align.H.PET	0.475541518	0.363265967	0.330345336
## SZSE.H.PET	0.351719911	0.256614835	0.439013303
## LZSE.H.PET	-0.063687517	0.002155320	-0.008971853
## LGLZE.H.PET	-0.127284725	0.126153488	0.613516226
## HGLZE.H.PET	0.262578386	0.189194312	0.547536382
## SZLGE.H.PET	-0.133157185	0.121513970	0.615422502
## SZHGE.H.PET	0.268046054	0.157369575	0.554985862
## LZLGE.H.PET	-0.075820427	0.030527279	0.078283109
## LZHGE.H.PET	-0.089605644	-0.015796402	0.018475643
## GLNU_area.H.PET	0.715202056	0.843936034	-0.284860042
## ZSNU.H.PET	0.665674762	0.801397084	-0.280088383
## ZSP.H.PET	0.306213146	0.216961160	0.307449083
## GLNU_norm.H.PET	-0.108682967	-0.086140274	0.596196806
## ZSNU_norm.H.PET	0.304842103	0.229028820	0.356757877
## GLVAR_area.H.PET	0.445183211	0.319196682	0.241412351
## ZSVAR.H.PET	-0.074426274	-0.007621283	0.004676821
## Entropy_area.H.PET	0.476515973	0.347396757	0.377771391
## Max_cooc.W.PET	-0.199017743	-0.074457525	0.625087648
## Average_cooc.W.PET	0.427009444	0.316576099	0.050591788
## Variance_cooc.W.PET	0.285573755	0.255581082	0.022913291

## Entropy_cooc.W.PET	0.444849575	0.318271369	0.319181233
## DAVE_cooc.W.PET	0.315315182	0.199780620	0.184081172
## DVAR_cooc.W.PET	0.254468755	0.158739598	0.049016865
## DENT_cooc.W.PET	0.386928821	0.256347376	0.369234044
## SAVE_cooc.W.PET	0.427443661	0.316432602	0.049318297
## SVAR_cooc.W.PET	0.292837589	0.290744890	0.009445119
## SENT_cooc.W.PET	0.360003232	0.331328501	0.481082683
## ASM_cooc.W.PET	-0.201719144	-0.003864848	0.648853187
## Contrast_cooc.W.PET	0.241258919	0.140553391	0.055342139
## Dissimilarity_cooc.W.PET	0.315315182	0.199780620	0.184081172
## Inv_diff_cooc.W.PET	0.111703128	0.094429561	0.593573459
## Inv_diff_norm_cooc.W.PET	0.368116555	0.267274483	0.547082087
## IDM_cooc.W.PET	0.040575803	0.048651903	0.551797003
## IDM_norm_cooc.W.PET	0.353694835	0.249159179	0.555607034
## Inv_var_cooc.W.PET	0.078136498	0.080351447	0.566035996
## Correlation_cooc.W.PET	0.365908662	0.454636067	0.252992384
## Autocorrelation_cooc.W.PET	0.381845639	0.284851616	-0.097461042
## Tendency_cooc.W.PET	0.292837589	0.290744890	0.009445119
## Shade_cooc.W.PET	0.108181259	0.160434437	0.044103418
## Prominence_cooc.W.PET	0.141559410	0.135688082	-0.019167645
## IC1_d.W.PET	-0.176934320	-0.188647270	0.103205381
## IC2_d.W.PET	0.291128014	0.359458779	0.484808123
## Coarseness_vdif.W.PET	-0.296006516	-0.088924991	0.788615471
## Contrast_vdif.W.PET	0.011905681	-0.030913574	0.379954705
## Busyness_vdif.W.PET	0.221651787	0.208864196	-0.046199070
## Complexity_vdif.W.PET	0.332938821	0.293775480	-0.048902837
## Strength_vdif.W.PET	-0.108797067	-0.071951184	0.412894194
## SRE_align.W.PET	0.335414595	0.227173801	0.560282886
## LRE_align.W.PET	0.238124600	0.180766751	0.542252962
## GLNU_align.W.PET	0.649301361	0.801271201	-0.256749996
## RLNU_align.W.PET	0.683714762	0.875888524	-0.286630341
## RP_align.W.PET	0.334615443	0.225298234	0.556622934
## LGRE_align.W.PET	-0.122364555	-0.100574945	0.634680987
## HGRE_align.W.PET	0.394701841	0.280719772	-0.104477092
## LGSRE_align.W.PET	-0.121045071	-0.094909767	0.659876688
## HGSRE_align.W.PET	0.390251964	0.274671125	-0.102026221
## LGHRE_align.W.PET	-0.120312506	-0.106238361	0.493189202
## HGLRE_align.W.PET	0.411479516	0.306550603	-0.115571545
## GLNU_norm_align.W.PET	-0.128964405	-0.083509205	0.668760723
## RLNU_norm_align.W.PET	0.335925558	0.225952324	0.534632166
## GLVAR_align.W.PET	0.322911077	0.273708234	-0.017377836
## RLVAR_align.W.PET	-0.011625136	0.076502317	0.347109140
## Entropy_align.W.PET	0.468683796	0.349464210	0.339230955
## SZSE.W.PET	0.351709375	0.241256883	0.526966809
## LZSE.W.PET	-0.100661074	-0.045184579	0.172359605
## LGLZE.W.PET	-0.114582357	-0.090542241	0.628151558
## HGLZE.W.PET	0.393109395	0.278892156	-0.095565833
## SZLGE.W.PET	-0.096021666	-0.064299845	0.685649549
## SZHGE.W.PET	0.381590834	0.264244613	-0.087304364
## LZLGE.W.PET	-0.119062215	-0.075237894	0.130666456
## LZHGE.W.PET	0.320433467	0.290740749	-0.105741383
## GLNU_area.W.PET	0.690456946	0.833541347	-0.270193497
## ZSNU.W.PET	0.681617961	0.850465946	-0.282738121
## ZSP.W.PET	0.354264870	0.246068836	0.449086959

## GLNU_norm.W.PET	-0.131220010	-0.077735751	0.670251697
## ZSNU_norm.W.PET	0.335684605	0.235545419	0.463350396
## GLVAR_area.W.PET	0.323722622	0.270273500	-0.010986884
## ZSVAR.W.PET	-0.120146841	-0.054979030	0.116843498
## Entropy_area.W.PET	0.469182646	0.344863509	0.370757915
## Min_hist.ADC	-0.017048501	-0.135571853	0.354914971
## Max_hist.ADC	0.413986751	0.262175521	0.436823039
## Mean_hist.ADC	0.229531245	0.141071208	0.561636118
## Variance_hist.ADC	0.297187837	0.307893476	0.191666722
## Standard_Deviation_hist.ADC	0.357960621	0.301072862	0.358174737
## Skewness_hist.ADC	0.275578973	0.064958942	0.013254434
## Kurtosis_hist.ADC	0.068999899	0.106731297	0.227665354
## Energy_hist.ADC	-0.171856833	0.086517077	0.649366343
## Entropy_hist.ADC	0.400895462	0.300887697	0.459747488
## AUC_hist.ADC	0.395273242	0.236177304	0.523700213
## Volume.ADC	0.975462522	0.397757251	-0.272042918
## X3D_surface.ADC	0.619120860	0.352168320	-0.015853559
## ratio_3ds_vol.ADC	-0.029487917	-0.041236782	0.607534769
## ratio_3ds_vol_norm.ADC	0.507083491	0.267323482	0.456790794
## irregularity.ADC	0.250602322	0.144979492	0.593478622
## Compactness_v1.ADC	-0.088680893	0.129384195	0.713678987
##	ratio_3ds_vol_norm.PET	irregularity.PET	
## Failure	0.04613443	0.026812303	
## Entropy_cooc.W.ADC	0.13310123	-0.001739099	
## GLNU_align.H.PET	0.19835040	-0.114869507	
## Min_hist.PET	0.20427880	0.473574491	
## Max_hist.PET	0.31688597	0.451310534	
## Mean_hist.PET	0.21718485	0.452993829	
## Variance_hist.PET	0.19110089	0.188909585	
## Standard_Deviation_hist.PET	0.31660715	0.450679358	
## Skewness_hist.PET	0.50554992	0.581420298	
## Kurtosis_hist.PET	0.30728169	0.158093219	
## Energy_hist.PET	0.60907582	0.489489404	
## Entropy_hist.PET	0.47842940	0.783499349	
## AUC_hist.PET	0.60708127	0.964453176	
## H_suv.PET	0.34205879	0.493035645	
## Volume.PET	-0.04670221	0.192634321	
## X3D_surface.PET	0.40866890	0.111517593	
## ratio_3ds_vol.PET	0.76398929	0.683271135	
## ratio_3ds_vol_norm.PET	1.00000000	0.565960295	
## irregularity.PET	0.56596030	1.000000000	
## tumor_length.PET	0.66532232	0.481543190	
## Compactness_v1.PET	0.45697192	0.537613302	
## Compactness_v2.PET	-0.43281300	0.176363389	
## Spherical_disproportion.PET	1.00000000	0.565960295	
## Sphericity.PET	-0.50707706	0.175747126	
## Asphericity.PET	0.99964123	0.544773551	
## Center_of_mass.PET	0.51891492	0.292128965	
## Max_3D_diam.PET	0.06089858	0.327920923	
## Major_axis_length.PET	0.23268227	0.370909390	
## Minor_axis_length.PET	0.47026956	0.506748535	
## Least_axis_length.PET	0.31195218	0.393116120	
## Elongation.PET	0.60359898	0.831198090	
## Flatness.PET	0.47703577	0.736354787	

## Max_cooc.L.PET	0.65305515	0.491494273
## Average_cooc.L.PET	0.36061502	0.805570383
## Variance_cooc.L.PET	0.32017053	0.725085911
## Entropy_cooc.L.PET	0.51714906	0.925666299
## DAVE_cooc.L.PET	0.32015662	0.810522808
## DVAR_cooc.L.PET	0.37026087	0.730245182
## DENT_cooc.L.PET	0.50103291	0.962709397
## SAVE_cooc.L.PET	0.35999274	0.805367175
## SVAR_cooc.L.PET	0.37400429	0.719385527
## SENT_cooc.L.PET	0.64368772	0.956548704
## ASM_cooc.L.PET	0.63746211	0.453066785
## Contrast_cooc.L.PET	0.19140798	0.636462797
## Dissimilarity_cooc.L.PET	0.32015662	0.810522808
## Inv_diff_cooc.L.PET	0.68517349	0.785193655
## Inv_diff_norm_cooc.L.PET	0.60542780	0.951407302
## IDM_cooc.L.PET	0.70184308	0.696592586
## IDM_norm_cooc.L.PET	0.59565911	0.959085969
## Inv_var_cooc.L.PET	0.70348833	0.702389600
## Correlation_cooc.L.PET	0.59763342	0.584291353
## Autocorrelation_cooc.L.PET	0.25218453	0.616237272
## Tendency_cooc.L.PET	0.37400429	0.719385527
## Shade_cooc.L.PET	0.33051278	0.417376349
## Prominence_cooc.L.PET	0.33322071	0.564926587
## IC1_.L.PET	-0.13829469	-0.510241988
## IC2_.L.PET	0.61029921	0.947897753
## Coarseness_vdif_.L.PET	0.58005436	0.560811303
## Contrast_vdif_.L.PET	0.07694010	0.364088607
## Busyness_vdif_.L.PET	0.15772400	0.179018407
## Complexity_vdif_.L.PET	0.39157922	0.788917162
## Strength_vdif_.L.PET	0.23632380	0.484030509
## SRE_align.L.PET	0.58192157	0.971620668
## LRE_align.L.PET	0.60122349	0.946452276
## GLNU_align.L.PET	0.23475369	0.124439752
## RLNU_align.L.PET	0.15325049	0.089072213
## RP_align.L.PET	0.57986589	0.972328195
## LGRE_align.L.PET	0.65125881	0.661737090
## HGRE_align.L.PET	0.24606678	0.639538333
## LGSRE_align.L.PET	0.65442435	0.667027194
## HGSRE_align.L.PET	0.24472310	0.640679020
## LGHRE_align.L.PET	0.63711521	0.636388265
## HGLRE_align.L.PET	0.25118979	0.632751907
## GLNU_norm_align.L.PET	0.72552860	0.699033562
## RLNU_norm_align.L.PET	0.57362696	0.974050022
## GLVAR_align.L.PET	0.31870072	0.728461823
## RLVAR_align.L.PET	0.73901840	0.582509352
## Entropy_align.L.PET	0.53244956	0.933435275
## SZSE.L.PET	0.56392164	0.961024570
## LZSE.L.PET	0.47628337	0.617915366
## LGLZE.L.PET	0.65761412	0.672477292
## HGLZE.L.PET	0.25103697	0.651516278
## SZLGE.L.PET	0.65840656	0.686764138
## SZHGE.L.PET	0.24924521	0.657925286
## LZLGE.L.PET	0.58036691	0.514342929
## LZHGE.L.PET	0.22014985	0.487360555

## GLNU_area.L.PET	0.22080356	0.126424313
## ZSNU.L.PET	0.13050995	0.091433477
## ZSP.L.PET	0.55371352	0.969904691
## GLNU_norm.L.PET	0.72476961	0.697901814
## ZSNU_norm.L.PET	0.54575295	0.973177534
## GLVAR_area.L.PET	0.32706843	0.739548424
## ZSVAR.L.PET	0.53933376	0.354338705
## Entropy_area.L.PET	0.54525661	0.927987024
## Max_cooc.H.PET	0.32349271	0.417145301
## Average_cooc.H.PET	0.56389259	0.974420495
## Variance_cooc.H.PET	0.44598216	0.763207307
## Entropy_cooc.H.PET	0.42458269	0.786128361
## DAVE_cooc.H.PET	0.39668809	0.831324858
## DVAR_cooc.H.PET	0.35967746	0.810295636
## DENT_cooc.H.PET	0.38582895	0.698854649
## SAVE_cooc.H.PET	0.55969590	0.959056738
## SVAR_cooc.H.PET	0.50403953	0.743927852
## SENT_cooc.H.PET	0.77593205	0.647636748
## ASM_cooc.H.PET	0.35545321	0.384333479
## Contrast_cooc.H.PET	0.30195472	0.736176919
## Dissimilarity_cooc.H.PET	0.39668809	0.831324858
## Inv_diff_cooc.H.PET	0.52579575	0.714129947
## Inv_diff_norm_cooc.H.PET	0.60640401	0.969169892
## IDM_cooc.H.PET	0.47348973	0.621432526
## IDM_norm_cooc.H.PET	0.59849276	0.969160816
## Inv_var_cooc_.H.PET	0.73517482	0.570330791
## Correlation_cooc.H.PET	0.59008213	0.582153439
## Autocorrelation_cooc.H.PET	0.55391695	0.938544432
## Tendency_cooc.H.PET	0.48383577	0.709544962
## Shade_cooc.H.PET	-0.16744984	-0.318166061
## Prominence_cooc.H.PET	0.34874024	0.467188082
## IC1_d.H.PET	-0.10578779	-0.077294610
## IC2_d.H.PET	0.63535154	0.714927089
## Coarseness_vdif.H.PET	0.62282817	0.458308535
## Contrast_vdif.H.PET	0.15782637	0.375223732
## Busyness_vdif.H.PET	-0.40531521	0.051590906
## Complexity_vdif.H.PET	0.69848284	0.673207280
## Strength_vdif.H.PET	0.04958079	0.104605365
## SRE_align.H.PET	0.54900090	0.933131482
## LRE_align.H.PET	0.41905325	0.641870606
## RLNU_align.H.PET	0.14753155	0.090543689
## RP_align.H.PET	0.53667429	0.922526420
## LGRE_align.H.PET	0.63374467	0.460105593
## HGRE_align.H.PET	0.54061121	0.943202869
## LGSRE_align.H.PET	0.63247019	0.458195577
## HGSRE_align.H.PET	0.53834358	0.979985462
## LGHRE_align.H.PET	0.64244700	0.469958760
## HGLRE_align.H.PET	0.34502227	0.462229088
## GLNU_norm_align.H.PET	0.40755479	0.606118317
## RLNU_norm_align.H.PET	0.49635212	0.866279091
## GLVAR_align.H.PET	0.41638140	0.720242893
## RLVAR_align.H.PET	0.31198599	0.288754215
## Entropy_align.H.PET	0.51122797	0.808441637
## SZSE.H.PET	0.48160187	0.808914412

## LZSE.H.PET	0.04844164	-0.057047489
## LGLZE.H.PET	0.63327906	0.460512188
## HGLZE.H.PET	0.54494913	0.864020233
## SZLGE.H.PET	0.63076106	0.456206646
## SZHGE.H.PET	0.46498148	0.847492468
## LZLGE.H.PET	0.16071556	0.003991098
## LZHGE.H.PET	0.05055117	-0.039039713
## GLNU_area.H.PET	0.12693908	0.128640249
## ZSNU.H.PET	0.10742164	0.072469424
## ZSP.H.PET	0.32416800	0.625208500
## GLNU_norm.H.PET	0.40961254	0.606362666
## ZSNU_norm.H.PET	0.39324170	0.673177285
## GLVAR_area.H.PET	0.40407591	0.699389185
## ZSVAR_H.PET	0.05362397	-0.050204326
## Entropy_area.H.PET	0.54698837	0.862505289
## Max_cooc.W.PET	0.42580421	0.444714920
## Average_cooc.W.PET	0.25225094	0.428573666
## Variance_cooc.W.PET	0.20545056	0.199173010
## Entropy_cooc.W.PET	0.45618117	0.772661892
## DAVE_cooc.W.PET	0.25543585	0.487073438
## DVAR_cooc.W.PET	0.14759764	0.241262475
## DENT_cooc.W.PET	0.43940418	0.777089286
## SAVE_cooc.W.PET	0.25101978	0.427772912
## SVAR_cooc.W.PET	0.22708728	0.172220588
## SENT_cooc.W.PET	0.60919024	0.828339220
## ASM_cooc.W.PET	0.52586443	0.449812093
## Contrast_cooc.W.PET	0.12965920	0.251405746
## Dissimilarity_cooc.W.PET	0.25543585	0.487073438
## Inv_diff_cooc.W.PET	0.53568723	0.782426350
## Inv_diff_norm_cooc.W.PET	0.60602226	0.953144014
## IDM_cooc.W.PET	0.47774147	0.664551944
## IDM_norm_cooc.W.PET	0.59568798	0.959764906
## Inv_var_cooc.W.PET	0.51357958	0.722982762
## Correlation_cooc.W.PET	0.59640598	0.581240553
## Autocorrelation_cooc.W.PET	0.13166608	0.172670945
## Tendency_cooc.W.PET	0.22708728	0.172220588
## Shade_cooc.W.PET	0.20261255	0.018134996
## Prominence_cooc.W.PET	0.14241203	-0.022644777
## IC1_d.W.PET	-0.07466103	-0.121064738
## IC2_d.W.PET	0.65798393	0.808428390
## Coarseness_vdif.W.PET	0.51675777	0.552444941
## Contrast_vdif.W.PET	0.23544815	0.485427027
## Busyness_vdif.W.PET	0.05869075	0.206125648
## Complexity_vdif.W.PET	0.20606739	0.097837254
## Strength_vdif.W.PET	0.27619630	0.321642787
## SRE_align.W.PET	0.57274201	0.957475277
## LRE_align.W.PET	0.56207797	0.855633788
## GLNU_align.W.PET	0.17301931	0.132460218
## RLNU_align.W.PET	0.15596955	0.090676966
## RP_align.W.PET	0.56611874	0.952766484
## LGRE_align.W.PET	0.42083483	0.593137246
## HGRE_align.W.PET	0.12297647	0.171960184
## LGSRE_align.W.PET	0.44436176	0.627469784
## HGSRE_align.W.PET	0.11988942	0.169507169

## LGHRE_align.W.PET	0.31631111	0.423170562
## HGLRE_align.W.PET	0.13654968	0.180824576
## GLNU_norm_align.W.PET	0.45257762	0.609518950
## RLNU_norm_align.W.PET	0.54758531	0.928834328
## GLVAR_align.W.PET	0.19025946	0.188401862
## RLVAR_align.W.PET	0.39365800	0.373984368
## Entropy_align.W.PET	0.50245316	0.813968569
## SZSE.W.PET	0.53404044	0.911256512
## LZSE.W.PET	0.15803213	0.153587519
## LGLZE.W.PET	0.43840737	0.607051853
## HGLZE.W.PET	0.12720503	0.177510485
## SZLGE.W.PET	0.49792861	0.677347000
## SZHGE.W.PET	0.11711055	0.172708600
## LZLGE.W.PET	0.07142223	0.042389003
## LZHGE.W.PET	0.21061292	0.181903000
## GLNU_area.W.PET	0.15510203	0.138449994
## ZSNU.W.PET	0.13244496	0.085456905
## ZSP.W.PET	0.46412601	0.829720903
## GLNU_norm.W.PET	0.46553366	0.624896895
## ZSNU_norm.W.PET	0.46803836	0.828205803
## GLVAR_area.W.PET	0.19646046	0.192806877
## ZSVAR.W.PET	0.10532261	0.067190667
## Entropy_area.W.PET	0.54010269	0.852283074
## Min_hist.ADC	0.14231466	0.408570476
## Max_hist.ADC	0.51592635	0.840678644
## Mean_hist.ADC	0.46802888	0.888027518
## Variance_hist.ADC	0.32553526	0.418715237
## Standard_Deviation_hist.ADC	0.45092403	0.691316987
## Skewness_hist.ADC	0.16333601	0.168454446
## Kurtosis_hist.ADC	0.33679885	0.252743693
## Energy_hist.ADC	0.63147443	0.467818338
## Entropy_hist.ADC	0.55833732	0.896465036
## AUC_hist.ADC	0.57125815	0.926472463
## Volume.ADC	-0.04809987	0.190200583
## X3D_surface.ADC	0.23834845	0.319268476
## ratio_3ds_vol.ADC	0.39837597	0.703066882
## ratio_3ds_vol_norm.ADC	0.48336839	0.894240485
## irregularity.ADC	0.54176568	0.945275233
## Compactness_v1.ADC	0.70967826	0.693420381
##	tumor_length.PET	Compactness_v1.PET
## Failure	-0.111866114	-0.0004542873
## Entropy_cooc.W.ADC	0.204888825	-0.0679690004
## GLNU_align.H.PET	0.309734496	0.0035103096
## Min_hist.PET	0.395421143	0.2438783372
## Max_hist.PET	0.574077620	0.2685950408
## Mean_hist.PET	0.451696056	0.2489816292
## Variance_hist.PET	0.374788249	0.1305559119
## Standard_Deviation_hist.PET	0.524154545	0.2694061734
## Skewness_hist.PET	0.325843938	0.3158318129
## Kurtosis_hist.PET	0.219663942	0.1417485137
## Energy_hist.PET	0.239259860	0.8895080191
## Entropy_hist.PET	0.693028978	0.4120671584
## AUC_hist.PET	0.613270078	0.5919789933
## H_suv.PET	0.415800480	0.3323334965

## Volume.PET	0.400145203	0.0639019794
## X3D_surface.PET	0.810445931	0.1126690673
## ratio_3ds_vol.PET	0.196991850	0.4529098612
## ratio_3ds_vol_norm.PET	0.665322323	0.4569719224
## irregularity.PET	0.481543190	0.5376133016
## tumor_length.PET	1.000000000	0.3568515452
## Compactness_v1.PET	0.356851545	1.0000000000
## Compactness_v2.PET	0.093686874	0.1378000782
## Spherical_disproportion.PET	0.665322323	0.4569719224
## Sphericity.PET	0.040466003	-0.0151916494
## Asphericity.PET	0.657782305	0.4484537802
## Center_of_mass.PET	0.705494492	0.1873745149
## Max_3D_diam.PET	0.642846338	0.1078742531
## Major_axis_length.PET	0.721895894	0.1813170706
## Minor_axis_length.PET	0.863498173	0.2935652645
## Least_axis_length.PET	0.805847805	0.2022463317
## Elongation.PET	0.479495693	0.5087741703
## Flatness.PET	0.492668719	0.4429209387
## Max_cooc.L.PET	0.323061520	0.9106661044
## Average_cooc.L.PET	0.329646500	0.4234451380
## Variance_cooc.L.PET	0.064702323	0.3099342837
## Entropy_cooc.L.PET	0.598593150	0.4936495799
## DAVE_cooc.L.PET	0.139365316	0.4000049263
## DVAR_cooc.L.PET	0.130715008	0.4095923973
## DENT_cooc.L.PET	0.469667659	0.5073029601
## SAVE_cooc.L.PET	0.329400788	0.4224959990
## SVAR_cooc.L.PET	0.143359700	0.2878486467
## SENT_cooc.L.PET	0.560383479	0.5306644495
## ASM_cooc.L.PET	0.319558325	0.9144210313
## Contrast_cooc.L.PET	-0.069019586	0.3030324595
## Dissimilarity_cooc.L.PET	0.139365316	0.4000049263
## Inv_diff_cooc.L.PET	0.755262398	0.6190901078
## Inv_diff_norm_cooc.L.PET	0.652338615	0.5599045677
## IDM_cooc.L.PET	0.741509285	0.6490558510
## IDM_norm_cooc.L.PET	0.632629469	0.5568632725
## Inv_var_cooc.L.PET	0.748147791	0.6508837657
## Correlation_cooc.L.PET	0.717314253	0.3589593003
## Autocorrelation_cooc.L.PET	0.163557647	0.3170742832
## Tendency_cooc.L.PET	0.143359700	0.2878486467
## Shade_cooc.L.PET	0.079526495	0.0780410628
## Prominence_cooc.L.PET	-0.010298992	0.1717327220
## IC1_.L.PET	0.140210971	0.0912806005
## IC2_.L.PET	0.403324840	0.5340443602
## Coarseness_vdif_.L.PET	0.150437829	0.8188001186
## Contrast_vdif_.L.PET	-0.194580048	0.1827680190
## Busyness_vdif_.L.PET	0.666755603	0.1227985091
## Complexity_vdif_.L.PET	0.134874424	0.4224131078
## Strength_vdif_.L.PET	-0.206874390	0.2117206605
## SRE_align.L.PET	0.590814934	0.5590914664
## LRE_align.L.PET	0.651215283	0.5438690291
## GLNU_align.L.PET	0.732145418	0.0851249373
## RLNU_align.L.PET	0.716793662	0.0448485907
## RP_align.L.PET	0.586161115	0.5585864330
## LGRE_align.L.PET	0.400974425	0.6398059137

## HGRE_align.L.PET	0.159676531	0.3390474189
## LGSRE_align.L.PET	0.399366018	0.6494240943
## HGSRE_align.L.PET	0.152342994	0.3396210827
## LGHRE_align.L.PET	0.406597086	0.5996611183
## HGLRE_align.L.PET	0.189756032	0.3352049611
## GLNU_norm_align.L.PET	0.458355662	0.8663458159
## RLNU_norm_align.L.PET	0.570425969	0.5575140716
## GLVAR_align.L.PET	0.112517814	0.3287074467
## RLVAR_align.L.PET	0.661513225	0.8193274438
## Entropy_align.L.PET	0.606199949	0.5039819297
## SZSE.L.PET	0.559792229	0.5685175874
## LZSE.L.PET	0.553671854	0.3195547706
## LGLZE.L.PET	0.405263778	0.6516950841
## HGLZE.L.PET	0.161038174	0.3423646183
## SZLGE.L.PET	0.392352734	0.6835318116
## SZHGE.L.PET	0.144926380	0.3535034545
## LZLGE.L.PET	0.412335839	0.4553237608
## LZHGE.L.PET	0.203763183	0.2270795282
## GLNU_area.L.PET	0.730916897	0.0853950925
## ZSNU.L.PET	0.705402459	0.0445185682
## ZSP.L.PET	0.544395878	0.5651806748
## GLNU_norm.L.PET	0.459924739	0.8706883572
## ZSNU_norm.L.PET	0.524247780	0.5595820601
## GLVAR_area.L.PET	0.118754790	0.3371764987
## ZSVAR.L.PET	0.598771201	0.3297940244
## Entropy_area.L.PET	0.631012897	0.5023524807
## Max_cooc.H.PET	0.034187839	0.3439866317
## Average_cooc.H.PET	0.522180712	0.5124214302
## Variance_cooc.H.PET	0.624040701	0.4464345508
## Entropy_cooc.H.PET	0.501028142	0.4082567609
## DAVE_cooc.H.PET	0.458267001	0.4701521712
## DVAR_cooc.H.PET	0.428649542	0.4833329880
## DENT_cooc.H.PET	0.580720307	0.3453562599
## SAVE_cooc.H.PET	0.561466279	0.5060476139
## SVAR_cooc.H.PET	0.677486453	0.4250034908
## SENT_cooc.H.PET	0.589129122	0.4806345863
## ASM_cooc.H.PET	0.071574610	0.4281235087
## Contrast_cooc.H.PET	0.364685044	0.4355562875
## Dissimilarity_cooc.H.PET	0.458267001	0.4701521712
## Inv_diff_cooc.H.PET	0.369295907	0.4635558421
## Inv_diff_norm_cooc.H.PET	0.613329172	0.5610333266
## IDM_cooc.H.PET	0.288519023	0.4165243930
## IDM_norm_cooc.H.PET	0.612440823	0.5570168297
## Inv_var_cooc_.H.PET	0.537368698	0.8552967736
## Correlation_cooc.H.PET	0.730444051	0.3662591899
## Autocorrelation_cooc.H.PET	0.465194952	0.4875094440
## Tendency_cooc.H.PET	0.708330183	0.4122793935
## Shade_cooc.H.PET	-0.359360231	-0.2328411662
## Prominence_cooc.H.PET	0.661307335	0.2975440743
## IC1_d.H.PET	-0.277579804	0.3530485149
## IC2_d.H.PET	0.736833464	0.4261949580
## Coarseness_vdif.H.PET	0.282572399	0.9046096123
## Contrast_vdif.H.PET	-0.055845559	0.2375839041
## Busyness_vdif.H.PET	0.031422570	-0.1315806416

## Complexity_vdif.H.PET	0.350287229	0.5149602907
## Strength_vdif.H.PET	-0.089532453	0.0799923173
## SRE_align.H.PET	0.591064314	0.5483406302
## LRE_align.H.PET	0.378793524	0.3311189947
## RLNU_align.H.PET	0.703057403	0.0642371025
## RP_align.H.PET	0.578128221	0.5436166847
## LGRE_align.H.PET	0.348201102	0.9216361872
## HGRE_align.H.PET	0.465747218	0.4940817731
## LGSRE_align.H.PET	0.345347214	0.9212736372
## HGSRE_align.H.PET	0.487593543	0.5162736702
## LGHRE_align.H.PET	0.364528889	0.9227483249
## HGLRE_align.H.PET	0.245626618	0.2277575785
## GLNU_norm_align.H.PET	0.125120861	0.4122625389
## RLNU_norm_align.H.PET	0.551185131	0.5185477771
## GLVAR_align.H.PET	0.630334656	0.4301525678
## RLVAR_align.H.PET	0.215383825	0.1706249512
## Entropy_align.H.PET	0.703970615	0.4543558177
## SZSE.H.PET	0.568985542	0.4978419151
## LZSE.H.PET	0.016270338	-0.1149283650
## LGLZE.H.PET	0.350339254	0.9199143460
## HGLZE.H.PET	0.534328899	0.4295659395
## SZLGE.H.PET	0.342838478	0.9191593961
## SZHGE.H.PET	0.449894434	0.4359489242
## LZLGE.H.PET	0.071511544	0.0051983537
## LZHGE.H.PET	0.008307311	-0.0738365002
## GLNU_area.H.PET	0.688216563	0.0561991272
## ZSNU.H.PET	0.639242724	0.0683259856
## ZSP.H.PET	0.441522874	0.3909838287
## GLNU_norm.H.PET	0.134867539	0.4130091120
## ZSNU_norm.H.PET	0.491538845	0.4216468328
## GLVAR_area.H.PET	0.618681242	0.4150660808
## ZSVAR_H.PET	0.011819120	-0.0931725857
## Entropy_area.H.PET	0.711805318	0.4896025546
## Max_cooc.W.PET	0.096851441	0.5555552380
## Average_cooc.W.PET	0.516060265	0.2601494459
## Variance_cooc.W.PET	0.354798356	0.1273497640
## Entropy_cooc.W.PET	0.638197218	0.4279449597
## DAVE_cooc.W.PET	0.402695194	0.2690849771
## DVAR_cooc.W.PET	0.278807536	0.1384471566
## DENT_cooc.W.PET	0.570468589	0.4311275083
## SAVE_cooc.W.PET	0.515536118	0.2583316711
## SVAR_cooc.W.PET	0.379638208	0.1190848047
## SENT_cooc.W.PET	0.666247894	0.4805711525
## ASM_cooc.W.PET	0.189502473	0.7216464361
## Contrast_cooc.W.PET	0.257680446	0.1364650242
## Dissimilarity_cooc.W.PET	0.402695194	0.2690849771
## Inv_diff_cooc.W.PET	0.397266700	0.4963922386
## Inv_diff_norm_cooc.W.PET	0.649869530	0.5608993186
## IDM_cooc.W.PET	0.304635911	0.4384728971
## IDM_norm_cooc.W.PET	0.631548242	0.5575084184
## Inv_var_cooc.W.PET	0.357470156	0.4842046244
## Correlation_cooc.W.PET	0.721288581	0.3584427970
## Autocorrelation_cooc.W.PET	0.389552217	0.1276238103
## Tendency_cooc.W.PET	0.379638208	0.1190848047

## Shade_cooc.W.PET	0.198170975	0.0440081156
## Prominence_cooc.W.PET	0.172483317	0.0271018522
## IC1_d.W.PET	-0.209839132	0.4189399823
## IC2_d.W.PET	0.681051397	0.4719138346
## Coarseness_vdif.W.PET	0.080549253	0.7496958418
## Contrast_vdif.W.PET	0.143857581	0.3052154665
## Busyness_vdif.W.PET	0.199780970	-0.0375725492
## Complexity_vdif.W.PET	0.375047067	0.1059565071
## Strength_vdif.W.PET	0.049029607	0.1444745741
## SRE_align.W.PET	0.602720188	0.5564248989
## LRE_align.W.PET	0.525962492	0.4655749283
## GLNU_align.W.PET	0.671228614	0.0275813132
## RLNU_align.W.PET	0.713812226	0.0578459672
## RP_align.W.PET	0.598339531	0.5545702481
## LGRE_align.W.PET	0.107637506	0.3833439294
## HGRE_align.W.PET	0.385473197	0.1258314038
## LGSRE_align.W.PET	0.124492469	0.4163027143
## HGSRE_align.W.PET	0.377401542	0.1235607006
## LGHRE_align.W.PET	0.052324368	0.2384036841
## HGLRE_align.W.PET	0.419661770	0.1339640697
## GLNU_norm_align.W.PET	0.139533017	0.5017360112
## RLNU_norm_align.W.PET	0.590989321	0.5443992860
## GLVAR_align.W.PET	0.375528777	0.1292291431
## RLVAR_align.W.PET	0.249724665	0.3058401436
## Entropy_align.W.PET	0.689053451	0.4567779821
## SZSE.W.PET	0.583724557	0.5528925532
## LZSE.W.PET	0.062144125	0.0395199113
## LGLZE.W.PET	0.133645676	0.4047414135
## HGLZE.W.PET	0.383470164	0.1268530694
## SZLGE.W.PET	0.185667658	0.4977318134
## SZHGE.W.PET	0.359942804	0.1233087262
## LZLGE.W.PET	-0.022541155	-0.0370068676
## LZHGE.W.PET	0.464183432	0.1187894591
## GLNU_area.W.PET	0.689219613	0.0454687604
## ZSNU.W.PET	0.684225919	0.0678601259
## ZSP.W.PET	0.551952703	0.5044105450
## GLNU_norm.W.PET	0.151759659	0.5182044444
## ZSNU_norm.W.PET	0.547346760	0.5041538366
## GLVAR_area.W.PET	0.376297321	0.1325420570
## ZSVAR.W.PET	0.017295733	0.0003860531
## Entropy_area.W.PET	0.707438494	0.4748133980
## Min_hist.ADC	0.017788702	0.2439294175
## Max_hist.ADC	0.602210361	0.4705167901
## Mean_hist.ADC	0.466912158	0.4600340447
## Variance_hist.ADC	0.443933426	0.3076815874
## Standard_Deviation_hist.ADC	0.549176900	0.4238087030
## Skewness_hist.ADC	0.200423520	0.1820403756
## Kurtosis_hist.ADC	0.262711314	0.1080067081
## Energy_hist.ADC	0.305350785	0.9115407795
## Entropy_hist.ADC	0.664093177	0.4832786402
## AUC_hist.ADC	0.604157912	0.5732399750
## Volume.ADC	0.378534996	0.0517124502
## X3D_surface.ADC	0.477992194	0.2078447109
## ratio_3ds_vol.ADC	0.201250415	0.4927090779

## ratio_3ds_vol_norm.ADC	0.580175397	0.4822099308
## irregularity.ADC	0.514987347	0.5523007105
## Compactness_v1.ADC	0.444414982	0.9016830763
##	Compactness_v2.PET	Spherical_disproportion.PET
## Failure	-0.115104310	0.04613443
## Entropy_cooc.W.ADC	-0.105319630	0.13310123
## GLNU_align.H.PET	-0.112535461	0.19835040
## Min_hist.PET	0.329063864	0.20427880
## Max_hist.PET	0.347659438	0.31688597
## Mean_hist.PET	0.350748669	0.21718485
## Variance_hist.PET	0.230242153	0.19110089
## Standard_Deviation_hist.PET	0.297493784	0.31660715
## Skewness_hist.PET	0.019549644	0.50554992
## Kurtosis_hist.PET	-0.026725403	0.30728169
## Energy_hist.PET	-0.284732468	0.60907582
## Entropy_hist.PET	0.279553556	0.47842940
## AUC_hist.PET	0.213352355	0.60708127
## H_suv.PET	0.193575234	0.34205879
## Volume.PET	0.501861440	-0.04670221
## X3D_surface.PET	0.009997249	0.40866890
## ratio_3ds_vol.PET	-0.449679923	0.76398929
## ratio_3ds_vol_norm.PET	-0.432813002	1.00000000
## irregularity.PET	0.176363389	0.56596030
## tumor_length.PET	0.093686874	0.66532232
## Compactness_v1.PET	0.137800078	0.45697192
## Compactness_v2.PET	1.000000000	-0.43281300
## Spherical_disproportion.PET	-0.432813002	1.00000000
## Sphericity.PET	0.960433201	-0.50707706
## Asphericity.PET	-0.448738630	0.99964123
## Center_of_mass.PET	0.040934796	0.51891492
## Max_3D_diam.PET	0.644678013	0.06089858
## Major_axis_length.PET	0.490568897	0.23268227
## Minor_axis_length.PET	0.355751323	0.47026956
## Least_axis_length.PET	0.431173442	0.31195218
## Elongation.PET	0.030676781	0.60359898
## Flatness.PET	0.126722559	0.47703577
## Max_cooc.L.PET	-0.262577521	0.65305515
## Average_cooc.L.PET	0.161830577	0.36061502
## Variance_cooc.L.PET	-0.018232246	0.32017053
## Entropy_cooc.L.PET	0.278260034	0.51714906
## DAVE_cooc.L.PET	0.081278703	0.32015662
## DVAR_cooc.L.PET	0.012894548	0.37026087
## DENT_cooc.L.PET	0.213553792	0.50103291
## SAVE_cooc.L.PET	0.162232880	0.35999274
## SVAR_cooc.L.PET	-0.021561481	0.37400429
## SENT_cooc.L.PET	0.064688152	0.64368772
## ASM_cooc.L.PET	-0.268274395	0.63746211
## Contrast_cooc.L.PET	-0.010407390	0.19140798
## Dissimilarity_cooc.L.PET	0.081278703	0.32015662
## Inv_diff_cooc.L.PET	0.174746882	0.68517349
## Inv_diff_norm_cooc.L.PET	0.242728462	0.60542780
## IDM_cooc.L.PET	0.110322574	0.70184308
## IDM_norm_cooc.L.PET	0.239907233	0.59565911
## Inv_var_cooc.L.PET	0.122195824	0.70348833

## Correlation_cooc.L.PET	0.134771063	0.59763342
## Autocorrelation_cooc.L.PET	0.058274172	0.25218453
## Tendency_cooc.L.PET	-0.021561481	0.37400429
## Shade_cooc.L.PET	-0.075018183	0.33051278
## Prominence_cooc.L.PET	-0.140851718	0.33322071
## IC1_.L.PET	0.050991316	-0.13829469
## IC2_.L.PET	0.026694612	0.61029921
## Coarseness_vdif_.L.PET	-0.294413962	0.58005436
## Contrast_vdif_.L.PET	-0.090198379	0.07694010
## Busyness_vdif_.L.PET	0.360983688	0.15772400
## Complexity_vdif_.L.PET	-0.023738344	0.39157922
## Strength_vdif_.L.PET	-0.211847728	0.23632380
## SRE_align.L.PET	0.227399098	0.58192157
## LRE_align.L.PET	0.237783864	0.60122349
## GLNU_align.L.PET	0.271404516	0.23475369
## RLNU_align.L.PET	0.312552575	0.15325049
## RP_align.L.PET	0.225661152	0.57986589
## LGRE_align.L.PET	-0.084983803	0.65125881
## HGRE_align.L.PET	0.075752270	0.24606678
## LGSRE_align.L.PET	-0.087880300	0.65442435
## HGSRE_align.L.PET	0.073561240	0.24472310
## LGHRE_align.L.PET	-0.074278227	0.63711521
## HGLRE_align.L.PET	0.084016346	0.25118979
## GLNU_norm_align.L.PET	-0.135517640	0.72552860
## RLNU_norm_align.L.PET	0.219344504	0.57362696
## GLVAR_align.L.PET	0.013875158	0.31870072
## RLVAR_align.L.PET	-0.054506199	0.73901840
## Entropy_align.L.PET	0.269383784	0.53244956
## SZSE.L.PET	0.236385046	0.56392164
## LZSE.L.PET	0.105633381	0.47628337
## LGLZE.L.PET	-0.088190815	0.65761412
## HGLZE.L.PET	0.078013001	0.25103697
## SZLGE.L.PET	-0.090192205	0.65840656
## SZHGE.L.PET	0.086137696	0.24924521
## LZLGE.L.PET	-0.074327772	0.58036691
## LZHGE.L.PET	0.023010332	0.22014985
## GLNU_area.L.PET	0.288079311	0.22080356
## ZSNU.L.PET	0.335863486	0.13050995
## ZSP.L.PET	0.234044158	0.55371352
## GLNU_norm.L.PET	-0.134691026	0.72476961
## ZSNU_norm.L.PET	0.218096747	0.54575295
## GLVAR_area.L.PET	0.014481128	0.32706843
## ZSVAR.L.PET	-0.021208213	0.53933376
## Entropy_area.L.PET	0.271601528	0.54525661
## Max_cooc.H.PET	-0.159386818	0.32349271
## Average_cooc.H.PET	0.191278514	0.56389259
## Variance_cooc.H.PET	0.296006650	0.44598216
## Entropy_cooc.H.PET	0.329041230	0.42458269
## DAVE_cooc.H.PET	0.262209487	0.39668809
## DVAR_cooc.H.PET	0.261704441	0.35967746
## DENT_cooc.H.PET	0.331358195	0.38582895
## SAVE_cooc.H.PET	0.221450938	0.55969590
## SVAR_cooc.H.PET	0.220227061	0.50403953
## SENT_cooc.H.PET	-0.283402982	0.77593205

## ASM_cooc.H.PET	-0.187245143	0.35545321
## Contrast_cooc.H.PET	0.245513482	0.30195472
## Dissimilarity_cooc.H.PET	0.262209487	0.39668809
## Inv_diff_cooc.H.PET	-0.009940518	0.52579575
## Inv_diff_norm_cooc.H.PET	0.216854423	0.60640401
## IDM_cooc.H.PET	-0.058872815	0.47348973
## IDM_norm_cooc.H.PET	0.225258612	0.59849276
## Inv_var_cooc_.H.PET	-0.130533516	0.73517482
## Correlation_cooc.H.PET	0.153459246	0.59008213
## Autocorrelation_cooc.H.PET	0.139869174	0.55391695
## Tendency_cooc.H.PET	0.296873921	0.48383577
## Shade_cooc.H.PET	-0.161528293	-0.16744984
## Prominence_cooc.H.PET	0.302235179	0.34874024
## IC1_d.H.PET	-0.108876947	-0.10578779
## IC2_d.H.PET	0.166917460	0.63535154
## Coarseness_vdif.H.PET	-0.280484176	0.62282817
## Contrast_vdif.H.PET	-0.080348095	0.15782637
## Busyness_vdif.H.PET	0.591149708	-0.40531521
## Complexity_vdif.H.PET	-0.397594218	0.69848284
## Strength_vdif.H.PET	-0.079746424	0.04958079
## SRE_align.H.PET	0.258860077	0.54900090
## LRE_align.H.PET	0.033190655	0.41905325
## RLNU_align.H.PET	0.333587068	0.14753155
## RP_align.H.PET	0.259767960	0.53667429
## LGRE_align.H.PET	-0.238668737	0.63374467
## HGRE_align.H.PET	0.163949227	0.54061121
## LGSRE_align.H.PET	-0.240087238	0.63247019
## HGSRE_align.H.PET	0.217568179	0.53834358
## LGHRE_align.H.PET	-0.233493363	0.64244700
## HGLRE_align.H.PET	-0.036746739	0.34502227
## GLNU_norm_align.H.PET	-0.106748055	0.40755479
## RLNU_norm_align.H.PET	0.265129430	0.49635212
## GLVAR_align.H.PET	0.314701261	0.41638140
## RLVAR_align.H.PET	-0.099178747	0.31198599
## Entropy_align.H.PET	0.334049143	0.51122797
## SZSE.H.PET	0.286639918	0.48160187
## LZSE.H.PET	-0.109481238	0.04844164
## LGLZE.H.PET	-0.238362508	0.63327906
## HGLZE.H.PET	0.158162566	0.54494913
## SZLGE.H.PET	-0.242513180	0.63076106
## SZHGE.H.PET	0.261018656	0.46498148
## LZLGE.H.PET	-0.153058635	0.16071556
## LZHGE.H.PET	-0.113224923	0.05055117
## GLNU_area.H.PET	0.337752742	0.12693908
## ZSNU.H.PET	0.364808039	0.10742164
## ZSP.H.PET	0.301353712	0.32416800
## GLNU_norm.H.PET	-0.117677430	0.40961254
## ZSNU_norm.H.PET	0.263784761	0.39324170
## GLVAR_area.H.PET	0.304348202	0.40407591
## ZSVAR_H.PET	-0.114018750	0.05362397
## Entropy_area.H.PET	0.316419938	0.54698837
## Max_cooc.W.PET	-0.212035731	0.42580421
## Average_cooc.W.PET	0.346062964	0.25225094
## Variance_cooc.W.PET	0.198493033	0.20545056

## Entropy_cooc.W.PET	0.340040795	0.45618117
## DAVE_cooc.W.PET	0.276679823	0.25543585
## DVAR_cooc.W.PET	0.223683292	0.14759764
## DENT_cooc.W.PET	0.311131860	0.43940418
## SAVE_cooc.W.PET	0.346697878	0.25101978
## SVAR_cooc.W.PET	0.183352143	0.22708728
## SENT_cooc.W.PET	0.157011169	0.60919024
## ASM_cooc.W.PET	-0.252846683	0.52586443
## Contrast_cooc.W.PET	0.220752778	0.12965920
## Dissimilarity_cooc.W.PET	0.276679823	0.25543585
## Inv_diff_cooc.W.PET	0.024008618	0.53568723
## Inv_diff_norm_cooc.W.PET	0.240486130	0.60602226
## IDM_cooc.W.PET	-0.036957816	0.47774147
## IDM_norm_cooc.W.PET	0.239176725	0.59568798
## Inv_var_cooc.W.PET	-0.011473346	0.51357958
## Correlation_cooc.W.PET	0.138287379	0.59640598
## Autocorrelation_cooc.W.PET	0.303343985	0.13166608
## Tendency_cooc.W.PET	0.183352143	0.22708728
## Shade_cooc.W.PET	-0.003800923	0.20261255
## Prominence_cooc.W.PET	0.027351941	0.14241203
## IC1_d.W.PET	-0.112187914	-0.07466103
## IC2_d.W.PET	0.132256800	0.65798393
## Coarseness_vdif.W.PET	-0.279242045	0.51675777
## Contrast_vdif.W.PET	0.056058420	0.23544815
## Busyness_vdif.W.PET	0.096630505	0.05869075
## Complexity_vdif.W.PET	0.185855668	0.20606739
## Strength_vdif.W.PET	-0.118837397	0.27619630
## SRE_align.W.PET	0.246168061	0.57274201
## LRE_align.W.PET	0.122723108	0.56207797
## GLNU_align.W.PET	0.252294195	0.17301931
## RLNU_align.W.PET	0.320111261	0.15596955
## RP_align.W.PET	0.248945755	0.56611874
## LGRE_align.W.PET	-0.123971573	0.42083483
## HGRE_align.W.PET	0.314736138	0.12297647
## LGSRE_align.W.PET	-0.120638921	0.44436176
## HGSRE_align.W.PET	0.312409145	0.11988942
## LGHRE_align.W.PET	-0.134239775	0.31631111
## HGLRE_align.W.PET	0.322203686	0.13654968
## GLNU_norm_align.W.PET	-0.142145018	0.45257762
## RLNU_norm_align.W.PET	0.257252817	0.54758531
## GLVAR_align.W.PET	0.232448022	0.19025946
## RLVAR_align.W.PET	-0.123332290	0.39365800
## Entropy_align.W.PET	0.337541393	0.50245316
## SZSE.W.PET	0.283012808	0.53404044
## LZSE.W.PET	-0.135909084	0.15803213
## LGLZE.W.PET	-0.133540458	0.43840737
## HGLZE.W.PET	0.313208874	0.12720503
## SZLGE.W.PET	-0.121176302	0.49792861
## SZHGE.W.PET	0.311380648	0.11711055
## LZLGE.W.PET	-0.122806629	0.07142223
## LZHGE.W.PET	0.186356492	0.21061292
## GLNU_area.W.PET	0.298890062	0.15510203
## ZSNU.W.PET	0.348372394	0.13244496
## ZSP.W.PET	0.304719141	0.46412601

## GLNU_norm.W.PET	-0.146861550		0.46553366
## ZSNU_norm.W.PET	0.292769018		0.46803836
## GLVAR_area.W.PET	0.227105637		0.19646046
## ZSVAR.W.PET	-0.142721235		0.10532261
## Entropy_area.W.PET	0.316829190		0.54010269
## Min_hist.ADC	0.139017976		0.14231466
## Max_hist.ADC	0.261602176		0.51592635
## Mean_hist.ADC	0.248296746		0.46802888
## Variance_hist.ADC	0.067251372		0.32553526
## Standard_Deviation_hist.ADC	0.144485907		0.45092403
## Skewness_hist.ADC	0.119725750		0.16333601
## Kurtosis_hist.ADC	0.028724192		0.33679885
## Energy_hist.ADC	-0.260761482		0.63147443
## Entropy_hist.ADC	0.245617157		0.55833732
## AUC_hist.ADC	0.242823614		0.57125815
## Volume.ADC	0.487920717		-0.04809987
## X3D_surface.ADC	0.256959928		0.23834845
## ratio_3ds_vol.ADC	0.018570111		0.39837597
## ratio_3ds_vol_norm.ADC	0.266898658		0.48336839
## irregularity.ADC	0.206119861		0.54176568
## Compactness_v1.ADC	-0.133463989		0.70967826
##	Sphericity.PET	Asphericity.PET	Center_of_mass.PET
## Failure	-0.1149401538	0.046986751	-0.129902582
## Entropy_cooc.W.ADC	-0.0977843528	0.134561817	0.165978901
## GLNU_align.H.PET	-0.1390695387	0.203391636	0.223824081
## Min_hist.PET	0.3220741849	0.190492302	0.252663404
## Max_hist.PET	0.3330770221	0.304612137	0.473525627
## Mean_hist.PET	0.3398665041	0.203605899	0.312720962
## Variance_hist.PET	0.2083448849	0.185812455	0.484813594
## Standard_Deviation_hist.PET	0.2832474669	0.304610818	0.484166519
## Skewness_hist.PET	0.0227197072	0.497315691	0.340725103
## Kurtosis_hist.PET	-0.0479192533	0.307984883	0.124584330
## Energy_hist.PET	-0.4219962193	0.606955121	0.114628256
## Entropy_hist.PET	0.3224739893	0.458557621	0.493023479
## AUC_hist.PET	0.2076763936	0.585805864	0.389128328
## H_suv.PET	0.1816563070	0.329886456	0.313691859
## Volume.PET	0.5651832030	-0.058713680	0.370134296
## X3D_surface.PET	-0.0066742728	0.408768184	0.687465713
## ratio_3ds_vol.PET	-0.4989865503	0.759764503	0.138908233
## ratio_3ds_vol_norm.PET	-0.5070770593	0.999641225	0.518914922
## irregularity.PET	0.1757471263	0.544773551	0.292128965
## tumor_length.PET	0.0404660032	0.657782305	0.705494492
## Compactness_v1.PET	-0.0151916494	0.448453780	0.187374515
## Compactness_v2.PET	0.9604332012	-0.448738630	0.040934796
## Spherical_disproportion.PET	-0.5070770593	0.999641225	0.518914922
## Sphericity.PET	1.0000000000	-0.524588639	0.031518426
## Asphericity.PET	-0.5245886391	1.0000000000	0.516142756
## Center_of_mass.PET	0.0315184256	0.516142756	1.0000000000
## Max_3D_diam.PET	0.6835864481	0.046339386	0.511532463
## Major_axis_length.PET	0.5115896563	0.219972245	0.578881327
## Minor_axis_length.PET	0.3636417168	0.457014560	0.618800674
## Least_axis_length.PET	0.4517981221	0.299014400	0.625665040
## Elongation.PET	0.0154768594	0.586796176	0.224817980
## Flatness.PET	0.1207792760	0.459885098	0.276142981

## Max_cooc.L.PET	-0.4051018625	0.650913659	0.173604816
## Average_cooc.L.PET	0.1627573887	0.340742297	0.130512812
## Variance_cooc.L.PET	-0.0044102759	0.304976100	0.029990009
## Entropy_cooc.L.PET	0.2876147742	0.494538531	0.356406341
## DAVE_cooc.L.PET	0.0999144104	0.301370726	0.003882214
## DVAR_cooc.L.PET	0.0115230281	0.355344828	0.043853545
## DENT_cooc.L.PET	0.2248890266	0.478532558	0.261836608
## SAVE_cooc.L.PET	0.1633420587	0.340113193	0.130371302
## SVAR_cooc.L.PET	-0.0121370520	0.359452218	0.129428807
## SENT_cooc.L.PET	0.0709056150	0.623715823	0.345108344
## ASM_cooc.L.PET	-0.4146127115	0.636018144	0.166452534
## Contrast_cooc.L.PET	0.0085852783	0.177237727	-0.132019553
## Dissimilarity_cooc.L.PET	0.0999144104	0.301370726	0.003882214
## Inv_diff_cooc.L.PET	0.1326575252	0.670081137	0.535729886
## Inv_diff_norm_cooc.L.PET	0.2380538465	0.584080952	0.416222349
## IDM_cooc.L.PET	0.0494599221	0.690108751	0.540409039
## IDM_norm_cooc.L.PET	0.2372647240	0.574010944	0.397256732
## Inv_var_cooc.L.PET	0.0592911477	0.691628267	0.540945811
## Correlation_cooc.L.PET	0.1058233961	0.587026992	0.623128376
## Autocorrelation_cooc.L.PET	0.0529941292	0.237107016	0.025670294
## Tendency_cooc.L.PET	-0.0121370520	0.359452218	0.129428807
## Shade_cooc.L.PET	-0.0537505690	0.325851677	0.272446946
## Prominence_cooc.L.PET	-0.1313880120	0.324230616	0.072772619
## IC1_.L.PET	-0.0118586970	-0.128753167	-0.041085990
## IC2_.L.PET	0.0138346506	0.592271023	0.311792520
## Coarseness_vdif_.L.PET	-0.4115300979	0.576141111	0.066611182
## Contrast_vdif_.L.PET	-0.0838303312	0.070968316	-0.165416582
## Busyness_vdif_.L.PET	0.4133093894	0.149999907	0.640514971
## Complexity_vdif_.L.PET	-0.0171177326	0.375554378	-0.003436703
## Strength_vdif_.L.PET	-0.2168923608	0.231199912	-0.102285909
## SRE_align.L.PET	0.2262236660	0.559992568	0.359717898
## LRE_align.L.PET	0.2370733422	0.579861048	0.420589696
## GLNU_align.L.PET	0.2919627857	0.230257362	0.658348164
## RLNU_align.L.PET	0.3366780054	0.148052905	0.637971099
## RP_align.L.PET	0.2247748235	0.557907405	0.355317374
## LGRE_align.L.PET	-0.1521894153	0.643179973	0.285830139
## HGRE_align.L.PET	0.0740869206	0.230193501	0.010329125
## LGSRE_align.L.PET	-0.1564876772	0.646260487	0.280302741
## HGSRE_align.L.PET	0.0720022839	0.228878867	0.005825568
## LGHRE_align.L.PET	-0.1360493375	0.629456330	0.307806462
## HGLRE_align.L.PET	0.0820365817	0.235252796	0.029207579
## GLNU_norm_align.L.PET	-0.2410950067	0.717577892	0.281443023
## RLNU_norm_align.L.PET	0.2191124476	0.551608636	0.340323473
## GLVAR_align.L.PET	0.0234987805	0.302590778	0.033780471
## RLVAR_align.L.PET	-0.1644157439	0.732381909	0.468883228
## Entropy_align.L.PET	0.2757984488	0.509986146	0.368377302
## SZSE.L.PET	0.2296297411	0.542406803	0.337166784
## LZSE.L.PET	0.1180257410	0.462341221	0.379112881
## LGLZE.L.PET	-0.1556248497	0.649282594	0.279803380
## HGLZE.L.PET	0.0768168193	0.234937334	0.015472228
## SZLGE.L.PET	-0.1626728491	0.649835542	0.261398468
## SZHGE.L.PET	0.0818397229	0.233285382	0.009295949
## LZLGE.L.PET	-0.1193706445	0.574716969	0.353091364
## LZHGE.L.PET	0.0334302137	0.207196072	0.048889282

## GLNU_area.L.PET	0.3096813576	0.215994814	0.656702216
## ZSNU.L.PET	0.3604872897	0.124850352	0.622943028
## ZSP.L.PET	0.2298635174	0.531801689	0.323629342
## GLNU_norm.L.PET	-0.2409536764	0.716802897	0.281486546
## ZSNU_norm.L.PET	0.2161036549	0.523645059	0.306364365
## GLVAR_area.L.PET	0.0239702254	0.310758779	0.038448025
## ZSVAR.L.PET	-0.0504699034	0.534672678	0.454401815
## Entropy_area.L.PET	0.2780543600	0.522997173	0.387346761
## Max_cooc.H.PET	-0.1925993888	0.319702674	-0.009108191
## Average_cooc.H.PET	0.1983013868	0.542423157	0.306821967
## Variance_cooc.H.PET	0.2994186793	0.426062913	0.381139545
## Entropy_cooc.H.PET	0.3351939375	0.404883186	0.350766372
## DAVE_cooc.H.PET	0.2795119683	0.375210652	0.202271359
## DVAR_cooc.H.PET	0.2788334461	0.338360461	0.153212857
## DENT_cooc.H.PET	0.3490573162	0.367398059	0.367780864
## SAVE_cooc.H.PET	0.2300162470	0.537905856	0.356311131
## SVAR_cooc.H.PET	0.2301914872	0.485607966	0.478090127
## SENT_cooc.H.PET	-0.3298927067	0.767855651	0.385735713
## ASM_cooc.H.PET	-0.2405653516	0.352899363	-0.002685166
## Contrast_cooc.H.PET	0.2674134143	0.281872563	0.104580105
## Dissimilarity_cooc.H.PET	0.2795119683	0.375210652	0.202271359
## Inv_diff_cooc.H.PET	-0.0288398761	0.513638552	0.229758619
## Inv_diff_norm_cooc.H.PET	0.2122203846	0.585042463	0.391648662
## IDM_cooc.H.PET	-0.0780870897	0.463808571	0.168677723
## IDM_norm_cooc.H.PET	0.2223072186	0.576883420	0.387514947
## Inv_var_cooc_.H.PET	-0.2606256863	0.730213381	0.412824380
## Correlation_cooc.H.PET	0.1177994966	0.579096174	0.639355478
## Autocorrelation_cooc.H.PET	0.1433899177	0.534169021	0.270699349
## Tendency_cooc.H.PET	0.2900169382	0.465784600	0.496449951
## Shade_cooc.H.PET	-0.1348298965	-0.156945490	-0.138363615
## Prominence_cooc.H.PET	0.2855633457	0.335219278	0.475644600
## IC1_d.H.PET	-0.1777219744	-0.103303045	-0.407184448
## IC2_d.H.PET	0.1410270576	0.621423463	0.641066435
## Coarseness_vdif.H.PET	-0.4248256402	0.621334769	0.143392724
## Contrast_vdif.H.PET	-0.0824896156	0.151439641	-0.132857012
## Busyness_vdif.H.PET	0.7286962184	-0.417351185	0.143921237
## Complexity_vdif.H.PET	-0.4352629197	0.690205421	0.087269997
## Strength_vdif.H.PET	-0.0925874976	0.049877243	-0.088248701
## SRE_align.H.PET	0.2557839177	0.527292009	0.365255865
## LRE_align.H.PET	0.0425108970	0.405911793	0.234087648
## RLNU_align.H.PET	0.3479904168	0.142274752	0.642516936
## RP_align.H.PET	0.2561499071	0.515127503	0.357761909
## LGRE_align.H.PET	-0.3862941932	0.631652005	0.189384993
## HGRE_align.H.PET	0.1717500896	0.520447496	0.266860392
## LGSRE_align.H.PET	-0.3878378752	0.630435560	0.186930279
## HGSRE_align.H.PET	0.2263677917	0.516642284	0.287234904
## LGHRE_align.H.PET	-0.3801520778	0.640077573	0.204191950
## HGLRE_align.H.PET	-0.0331257220	0.337068157	0.153747036
## GLNU_norm_align.H.PET	-0.1245637529	0.398598363	0.019746731
## RLNU_norm_align.H.PET	0.2606474990	0.475699524	0.345401796
## GLVAR_align.H.PET	0.3139622521	0.396994397	0.375995871
## RLVAR_align.H.PET	-0.1016153717	0.308511974	0.168310441
## Entropy_align.H.PET	0.3325425058	0.490995170	0.492343182
## SZSE.H.PET	0.2770791442	0.462415228	0.380656493

## LZSE.H.PET	-0.0991263316	0.051156111	0.106270764
## LGLZE.H.PET	-0.3855517493	0.631151844	0.189866556
## HGLZE.H.PET	0.1764052675	0.526479034	0.370750261
## SZLGE.H.PET	-0.3898893869	0.628801862	0.184535292
## SZHGE.H.PET	0.2666140857	0.446211411	0.343571558
## LZLGE.H.PET	-0.1637502655	0.163567723	0.145032853
## LZHGE.H.PET	-0.1100022287	0.053082255	0.082102799
## GLNU_area.H.PET	0.3797592182	0.120048133	0.593387317
## ZSNU.H.PET	0.3688920451	0.102429377	0.618240706
## ZSP.H.PET	0.2920214005	0.308052057	0.309996316
## GLNU_norm.H.PET	-0.1335139268	0.400277708	0.018287931
## ZSNU_norm.H.PET	0.2556138391	0.376700220	0.349909679
## GLVAR_area.H.PET	0.3061762760	0.385149270	0.354537544
## ZSVAR.H.PET	-0.1085898703	0.056372251	0.096918166
## Entropy_area.H.PET	0.3172917509	0.525924087	0.469223633
## Max_cooc.W.PET	-0.2865830071	0.422988989	0.014187634
## Average_cooc.W.PET	0.3291105017	0.239422471	0.397089488
## Variance_cooc.W.PET	0.1802094696	0.200446081	0.495935386
## Entropy_cooc.W.PET	0.3414772829	0.436325227	0.443298732
## DAVE_cooc.W.PET	0.2788437377	0.241881370	0.325301382
## DVAR_cooc.W.PET	0.2194869385	0.140449686	0.358191604
## DENT_cooc.W.PET	0.3140420950	0.419787475	0.393156904
## SAVE_cooc.W.PET	0.3300451456	0.238190836	0.396850420
## SVAR_cooc.W.PET	0.1584697339	0.223310810	0.554359374
## SENT_cooc.W.PET	0.1548858428	0.591023567	0.474092989
## ASM_cooc.W.PET	-0.3613682935	0.523979419	0.067434255
## Contrast_cooc.W.PET	0.2215665207	0.121887768	0.298468828
## Dissimilarity_cooc.W.PET	0.2788437377	0.241881370	0.325301382
## Inv_diff_cooc.W.PET	0.0111212228	0.521104991	0.215826676
## Inv_diff_norm_cooc.W.PET	0.2356324231	0.584679059	0.413547466
## IDM_cooc.W.PET	-0.0524916940	0.466498241	0.158620698
## IDM_norm_cooc.W.PET	0.2364257202	0.574037320	0.396105220
## Inv_var_cooc.W.PET	-0.0275010078	0.500711042	0.191286592
## Correlation_cooc.W.PET	0.1091400590	0.585792868	0.626914388
## Autocorrelation_cooc.W.PET	0.2754848791	0.125348896	0.384046224
## Tendency_cooc.W.PET	0.1584697339	0.223310810	0.554359374
## Shade_cooc.W.PET	-0.0234935597	0.204785513	0.587670041
## Prominence_cooc.W.PET	0.0035349134	0.144523079	0.533482012
## IC1_d.W.PET	-0.1983110803	-0.070901645	-0.395414129
## IC2_d.W.PET	0.1120435505	0.642357823	0.591083485
## Coarseness_vdif.W.PET	-0.3816684207	0.512595357	0.021865365
## Contrast_vdif.W.PET	0.0525576885	0.224022568	0.102752194
## Busyness_vdif.W.PET	0.1713494760	0.051871144	0.166786494
## Complexity_vdif.W.PET	0.1590428785	0.204082343	0.536226259
## Strength_vdif.W.PET	-0.1304417781	0.273081089	0.202902994
## SRE_align.W.PET	0.2440235929	0.550823403	0.373233630
## LRE_align.W.PET	0.1263831532	0.544082754	0.332178793
## GLNU_align.W.PET	0.3073349836	0.167135095	0.551409356
## RLNU_align.W.PET	0.3382623929	0.150833921	0.645924753
## RP_align.W.PET	0.2467057989	0.544216585	0.370249929
## LGRE_align.W.PET	-0.1400970306	0.412631803	0.020464279
## HGRE_align.W.PET	0.2906225698	0.116401690	0.379364898
## LGSRE_align.W.PET	-0.1391532941	0.435433341	0.026421718
## HGSRE_align.W.PET	0.2888175893	0.113398939	0.377158438

## LGHRE_align.W.PET	-0.1418317600	0.311425113	0.015493875
## HGLRE_align.W.PET	0.2961659889	0.129666178	0.389466468
## GLNU_norm_align.W.PET	-0.1801874284	0.444573291	0.027104472
## RLNU_norm_align.W.PET	0.2545091132	0.525952771	0.369196028
## GLVAR_align.W.PET	0.2107124614	0.184958113	0.485986790
## RLVAR_align.W.PET	-0.1471323490	0.389407506	0.173423022
## Entropy_align.W.PET	0.3369544805	0.481986852	0.475551657
## SZSE.W.PET	0.2732854880	0.513044201	0.374557800
## LZSE.W.PET	-0.1303522471	0.156780015	0.053120909
## LGLZE.W.PET	-0.1500725957	0.429742796	0.024370257
## HGLZE.W.PET	0.2896939574	0.120592221	0.391428182
## SZLGE.W.PET	-0.1490579151	0.487999353	0.050945807
## SZHGE.W.PET	0.2883017664	0.110713422	0.387565313
## LZLGE.W.PET	-0.1197349639	0.072780491	0.018259593
## LZHGE.W.PET	0.1680655876	0.204404601	0.367216422
## GLNU_area.W.PET	0.3492166975	0.148570592	0.576467314
## ZSNU.W.PET	0.3583807909	0.127287547	0.639734725
## ZSP.W.PET	0.2972757624	0.444102584	0.364280000
## GLNU_norm.W.PET	-0.1854939853	0.457131455	0.034297155
## ZSNU_norm.W.PET	0.2841295440	0.448233527	0.368130368
## GLVAR_area.W.PET	0.2057108261	0.191151443	0.487334770
## ZSVAR.W.PET	-0.1404523151	0.105990714	0.034118775
## Entropy_area.W.PET	0.3184025595	0.519126507	0.473588261
## Min_hist.ADC	0.0948560637	0.134014247	-0.039666655
## Max_hist.ADC	0.2778287698	0.496586833	0.392623097
## Mean_hist.ADC	0.2444841261	0.448232858	0.280358091
## Variance_hist.ADC	0.0791852906	0.316956464	0.349794270
## Standard_Deviation_hist.ADC	0.1658946658	0.435568547	0.402493667
## Skewness_hist.ADC	0.1161057954	0.158866930	0.135857670
## Kurtosis_hist.ADC	-0.0087066877	0.333984225	0.210699247
## Energy_hist.ADC	-0.4050272553	0.629469651	0.154460462
## Entropy_hist.ADC	0.2526389306	0.537466155	0.407424985
## AUC_hist.ADC	0.2456675305	0.549915156	0.381820083
## Volume.ADC	0.5517652591	-0.059733593	0.345048417
## X3D_surface.ADC	0.2875294348	0.228684405	0.377056088
## ratio_3ds_vol.ADC	0.0088688629	0.384577077	0.109385551
## ratio_3ds_vol_norm.ADC	0.3069678077	0.461494783	0.403679771
## irregularity.ADC	0.2076290547	0.520383575	0.315297017
## Compactness_v1.ADC	-0.2595621254	0.701101494	0.230246894
##	Max_3D_diam.PET	Major_axis_length.PET	
## Failure	-0.163124321	-0.1453612942	
## Entropy_cooc.W.ADC	0.093401143	0.1088344544	
## GLNU_align.H.PET	0.122156903	0.1538697843	
## Min_hist.PET	0.506372476	0.5622241319	
## Max_hist.PET	0.650244430	0.7012102475	
## Mean_hist.PET	0.557559025	0.6148476719	
## Variance_hist.PET	0.438142906	0.5008887856	
## Standard_Deviation_hist.PET	0.548099215	0.6045172079	
## Skewness_hist.PET	0.193354998	0.2000880725	
## Kurtosis_hist.PET	0.129790954	0.1303750299	
## Energy_hist.PET	-0.234205881	-0.1011802863	
## Entropy_hist.PET	0.688280145	0.7310654052	
## AUC_hist.PET	0.456302643	0.5030426361	
## H_suv.PET	0.366548900	0.4426380370	

## Volume.PET	0.789864256	0.7532091827
## X3D_surface.PET	0.591205129	0.6743787955
## ratio_3ds_vol.PET	-0.288405814	-0.1490783557
## ratio_3ds_vol_norm.PET	0.060898580	0.2326822722
## irregularity.PET	0.327920923	0.3709093904
## tumor_length.PET	0.642846338	0.7218958941
## Compactness_v1.PET	0.107874253	0.1813170706
## Compactness_v2.PET	0.644678013	0.4905688971
## Spherical_disproportion.PET	0.060898580	0.2326822722
## Sphericity.PET	0.683586448	0.5115896563
## Asphericity.PET	0.046339386	0.2199722455
## Center_of_mass.PET	0.511532463	0.5788813271
## Max_3D_diam.PET	1.000000000	0.9564237634
## Major_axis_length.PET	0.956423763	1.0000000000
## Minor_axis_length.PET	0.839622319	0.8499680820
## Least_axis_length.PET	0.889098803	0.8717365274
## Elongation.PET	0.167030354	0.1742546080
## Flatness.PET	0.263288970	0.2356561873
## Max_cooc.L.PET	-0.158558751	-0.0256280461
## Average_cooc.L.PET	0.201005791	0.2566708134
## Variance_cooc.L.PET	-0.113757929	-0.0593756348
## Entropy_cooc.L.PET	0.493695840	0.5329846644
## DAVE_cooc.L.PET	0.008773130	0.0578376290
## DVAR_cooc.L.PET	-0.059091214	-0.0011541925
## DENT_cooc.L.PET	0.344361203	0.3903304651
## SAVE_cooc.L.PET	0.201306087	0.2568255897
## SVAR_cooc.L.PET	-0.055258251	0.0008067448
## SENT_cooc.L.PET	0.333520222	0.4065295547
## ASM_cooc.L.PET	-0.165927902	-0.0305041307
## Contrast_cooc.L.PET	-0.191307446	-0.1469558564
## Dissimilarity_cooc.L.PET	0.008773130	0.0578376290
## Inv_diff_cooc.L.PET	0.556134978	0.6028073549
## Inv_diff_norm_cooc.L.PET	0.512212824	0.5546968436
## IDM_cooc.L.PET	0.500385476	0.5537862797
## IDM_norm_cooc.L.PET	0.492969131	0.5363479670
## Inv_var_cooc.L.PET	0.513775823	0.5679702803
## Correlation_cooc.L.PET	0.543027110	0.5698430560
## Autocorrelation_cooc.L.PET	0.017183165	0.0728285251
## Tendency_cooc.L.PET	-0.055258251	0.0008067448
## Shade_cooc.L.PET	-0.032965372	-0.0079950561
## Prominence_cooc.L.PET	-0.220613108	-0.1671656326
## IC1_.L.PET	0.152051241	0.1628485265
## IC2_.L.PET	0.151780445	0.2142377058
## Coarseness_vdif_.L.PET	-0.298068742	-0.1733423150
## Contrast_vdif_.L.PET	-0.266832796	-0.2433790717
## Busyness_vdif_.L.PET	0.834231559	0.8081021017
## Complexity_vdif_.L.PET	-0.066438429	0.0021023800
## Strength_vdif_.L.PET	-0.366761369	-0.3285697932
## SRE_align.L.PET	0.447001823	0.4931688544
## LRE_align.L.PET	0.510469977	0.5501865518
## GLNU_align.L.PET	0.801963295	0.8090658050
## RLNU_align.L.PET	0.822277991	0.8404988770
## RP_align.L.PET	0.441843072	0.4883134758
## LGRE_align.L.PET	0.085924030	0.1476996849

## HGRE_align.L.PET	0.027816746	0.0812882441
## LGSRE_align.L.PET	0.080036581	0.1443210596
## HGSRE_align.L.PET	0.020659681	0.0740404656
## LGHRE_align.L.PET	0.108626619	0.1603739386
## HGLRE_align.L.PET	0.057077402	0.1108368704
## GLNU_norm_align.L.PET	0.048257911	0.1540557212
## RLNU_norm_align.L.PET	0.423786275	0.4714283036
## GLVAR_align.L.PET	-0.063239439	-0.0090379102
## RLVAR_align.L.PET	0.281856244	0.3740406693
## Entropy_align.L.PET	0.493682527	0.5346883807
## SZSE.L.PET	0.426472202	0.4739780370
## LZSE.L.PET	0.408366714	0.4296965278
## LGLZE.L.PET	0.085868810	0.1492153649
## HGLZE.L.PET	0.028955520	0.0823635285
## SZLGE.L.PET	0.067117245	0.1370389346
## SZHGE.L.PET	0.020164001	0.0731206129
## LZLGE.L.PET	0.146887575	0.1786293584
## LZHGE.L.PET	0.062962083	0.1090541367
## GLNU_area.L.PET	0.814425949	0.8214354673
## ZSNU.L.PET	0.829245907	0.8462365522
## ZSP.L.PET	0.411100751	0.4587806504
## GLNU_norm.L.PET	0.048977896	0.1549841039
## ZSNU_norm.L.PET	0.379335357	0.4281385900
## GLVAR_area.L.PET	-0.058594786	-0.0032775939
## ZSVAR.L.PET	0.374917027	0.4045768204
## Entropy_area.L.PET	0.518241391	0.5583685245
## Max_cooc.H.PET	-0.180198067	-0.1432165038
## Average_cooc.H.PET	0.374170184	0.4111116200
## Variance_cooc.H.PET	0.563304108	0.6059957582
## Entropy_cooc.H.PET	0.495195875	0.5381690437
## DAVE_cooc.H.PET	0.400690247	0.4407325064
## DVAR_cooc.H.PET	0.386386769	0.4286400196
## DENT_cooc.H.PET	0.587039257	0.6199132855
## SAVE_cooc.H.PET	0.425172523	0.4604753727
## SVAR_cooc.H.PET	0.592559922	0.6532964225
## SENT_cooc.H.PET	0.113987447	0.2675662200
## ASM_cooc.H.PET	-0.186319870	-0.1329368369
## Contrast_cooc.H.PET	0.334348934	0.3736803599
## Dissimilarity_cooc.H.PET	0.400690247	0.4407325064
## Inv_diff_cooc.H.PET	0.144010941	0.1781529513
## Inv_diff_norm_cooc.H.PET	0.457129485	0.5021693152
## IDM_cooc.H.PET	0.062316163	0.0920744759
## IDM_norm_cooc.H.PET	0.463151301	0.5078196316
## Inv_var_cooc_.H.PET	0.113617077	0.2536351805
## Correlation_cooc.H.PET	0.560993039	0.5925345988
## Autocorrelation_cooc.H.PET	0.296546973	0.3322351836
## Tendency_cooc.H.PET	0.636673628	0.6773446833
## Shade_cooc.H.PET	-0.292645932	-0.3115505267
## Prominence_cooc.H.PET	0.638157751	0.6769085207
## IC1_d.H.PET	-0.369365677	-0.3001068426
## IC2_d.H.PET	0.565196182	0.6013729671
## Coarseness_vdif.H.PET	-0.202131286	-0.0657731231
## Contrast_vdif.H.PET	-0.159716875	-0.1375096178
## Busyness_vdif.H.PET	0.620339345	0.4474695734

## Complexity_vdif.H.PET	-0.152611368	0.0018561216
## Strength_vdif.H.PET	-0.141159748	-0.1304084810
## SRE_align.H.PET	0.473680448	0.5226800364
## LRE_align.H.PET	0.214420750	0.2305255865
## RLNU_align.H.PET	0.820417183	0.8514460858
## RP_align.H.PET	0.465657196	0.5162282347
## LGRE_align.H.PET	-0.123025193	0.0178912001
## HGRE_align.H.PET	0.324273863	0.3565339661
## LGSRE_align.H.PET	-0.126120079	0.0148743183
## HGSRE_align.H.PET	0.373658364	0.4091349875
## LGHRE_align.H.PET	-0.107218178	0.0330004719
## HGLRE_align.H.PET	0.087189920	0.1048436721
## GLNU_norm_align.H.PET	-0.100183672	-0.0646921536
## RLNU_norm_align.H.PET	0.456097029	0.5095432811
## GLVAR_align.H.PET	0.585520365	0.6246290064
## RLVAR_align.H.PET	0.042202349	0.0533908924
## Entropy_align.H.PET	0.647996614	0.6897301952
## SZSE.H.PET	0.496587909	0.5458827095
## LZSE.H.PET	-0.048989928	-0.0474436057
## LGLZE.H.PET	-0.120685656	0.0208395680
## HGLZE.H.PET	0.379301919	0.4041054858
## SZLGE.H.PET	-0.128805136	0.0126533381
## SZHGE.H.PET	0.400481890	0.4280879126
## LZLGE.H.PET	-0.065521685	-0.0467444082
## LZHGE.H.PET	-0.065438554	-0.0573276302
## GLNU_area.H.PET	0.824833029	0.8171111151
## ZSNU.H.PET	0.795692777	0.8405304448
## ZSP.H.PET	0.438253461	0.4834009039
## GLNU_norm.H.PET	-0.099636632	-0.0604766877
## ZSNU_norm.H.PET	0.446262722	0.4989646476
## GLVAR_area.H.PET	0.576590285	0.6159711405
## ZSVAR.H.PET	-0.059306678	-0.0548301455
## Entropy_area.H.PET	0.628994201	0.6654759608
## Max_cooc.W.PET	-0.213773977	-0.1424523726
## Average_cooc.W.PET	0.581958840	0.6394315019
## Variance_cooc.W.PET	0.398169741	0.4607181292
## Entropy_cooc.W.PET	0.605738817	0.6481254614
## DAVE_cooc.W.PET	0.436907279	0.4900480638
## DVAR_cooc.W.PET	0.360220655	0.4182527116
## DENT_cooc.W.PET	0.532627584	0.5791615032
## SAVE_cooc.W.PET	0.582448274	0.6396524724
## SVAR_cooc.W.PET	0.407180958	0.4699807821
## SENT_cooc.W.PET	0.503640033	0.5766913387
## ASM_cooc.W.PET	-0.210874478	-0.1094121490
## Contrast_cooc.W.PET	0.339236669	0.3953678268
## Dissimilarity_cooc.W.PET	0.436907279	0.4900480638
## Inv_diff_cooc.W.PET	0.176400671	0.2071956798
## Inv_diff_norm_cooc.W.PET	0.508246139	0.5507654432
## IDM_cooc.W.PET	0.081348510	0.1080825796
## IDM_norm_cooc.W.PET	0.491395983	0.5347863656
## Inv_var_cooc.W.PET	0.128889580	0.1580677463
## Correlation_cooc.W.PET	0.548955563	0.5755493990
## Autocorrelation_cooc.W.PET	0.513394773	0.5794730842
## Tendency_cooc.W.PET	0.407180958	0.4699807821

## Shade_cooc.W.PET	0.146012372	0.1848400682
## Prominence_cooc.W.PET	0.157108297	0.1983696832
## IC1_d.W.PET	-0.332039021	-0.2622293277
## IC2_d.W.PET	0.482614600	0.5298695894
## Coarseness_vdif.W.PET	-0.320737523	-0.2093238374
## Contrast_vdif.W.PET	0.054941735	0.1203989062
## Busyness_vdif.W.PET	0.251390035	0.2187119521
## Complexity_vdif.W.PET	0.428502702	0.4941270862
## Strength_vdif.W.PET	-0.086115298	-0.0475060995
## SRE_align.W.PET	0.471513764	0.5188336861
## LRE_align.W.PET	0.348712235	0.3808217823
## GLNU_align.W.PET	0.759022751	0.7296615217
## RLNU_align.W.PET	0.821447009	0.8467584867
## RP_align.W.PET	0.470755577	0.5186979259
## LGRE_align.W.PET	-0.123690739	-0.0911007178
## HGRE_align.W.PET	0.523291563	0.5872667544
## LGSRE_align.W.PET	-0.118587495	-0.0818080702
## HGSRE_align.W.PET	0.517044296	0.5811010638
## LGHRE_align.W.PET	-0.131218860	-0.1118861168
## HGLRE_align.W.PET	0.548316415	0.6119318125
## GLNU_norm_align.W.PET	-0.133115984	-0.0814233383
## RLNU_norm_align.W.PET	0.473735804	0.5239359457
## GLVAR_align.W.PET	0.441007390	0.5032276668
## RLVAR_align.W.PET	0.016286322	0.0464443925
## Entropy_align.W.PET	0.636692171	0.6780974432
## SZSE.W.PET	0.487183506	0.5356032116
## LZSE.W.PET	-0.070270134	-0.0546152302
## LGLZE.W.PET	-0.114032477	-0.0781035891
## HGLZE.W.PET	0.521414123	0.5844171202
## SZLGE.W.PET	-0.088269133	-0.0411715892
## SZHGE.W.PET	0.505496164	0.5678140540
## LZLGE.W.PET	-0.104718177	-0.0991151661
## LZHGE.W.PET	0.469187378	0.5351562551
## GLNU_area.W.PET	0.802891651	0.7806014104
## ZSNU.W.PET	0.815218146	0.8491803552
## ZSP.W.PET	0.491817731	0.5367562876
## GLNU_norm.W.PET	-0.130530434	-0.0761975606
## ZSNU_norm.W.PET	0.479056444	0.5291071738
## GLVAR_area.W.PET	0.438407213	0.5006073284
## ZSVAR.W.PET	-0.097384353	-0.0827714249
## Entropy_area.W.PET	0.629708060	0.6698747684
## Min_hist.ADC	0.060109650	0.1079125530
## Max_hist.ADC	0.513194312	0.5415247487
## Mean_hist.ADC	0.392710250	0.4221319470
## Variance_hist.ADC	0.302430917	0.3544879968
## Standard_Deviation_hist.ADC	0.412427493	0.4601169005
## Skewness_hist.ADC	0.247496134	0.2644736710
## Kurtosis_hist.ADC	0.156189342	0.1845054562
## Energy_hist.ADC	-0.170497236	-0.0336621003
## Entropy_hist.ADC	0.520121244	0.5518923034
## AUC_hist.ADC	0.486957865	0.5300900494
## Volume.ADC	0.765283122	0.7289655984
## X3D_surface.ADC	0.508043835	0.5050823788
## ratio_3ds_vol.ADC	0.095952739	0.1506414737

## ratio_3ds_vol_norm.ADC	0.555394769	0.5698995484
## irregularity.ADC	0.394639811	0.4427263325
## Compactness_v1.ADC	-0.011847581	0.1174244754
##	Minor_axis_length.PET	Least_axis_length.PET
## Failure	-0.1305390362	-0.146804777
## Entropy_cooc.W.ADC	0.1656382603	0.158103417
## GLNU_align.H.PET	0.2570854471	0.254249687
## Min_hist.PET	0.4688772425	0.470103907
## Max_hist.PET	0.6460569878	0.638519821
## Mean_hist.PET	0.5209506925	0.528064622
## Variance_hist.PET	0.3763868952	0.413913449
## Standard_Deviation_hist.PET	0.5615902989	0.563213284
## Skewness_hist.PET	0.3581456798	0.228971229
## Kurtosis_hist.PET	0.2673534950	0.163751474
## Energy_hist.PET	0.0533000916	-0.065815420
## Entropy_hist.PET	0.8078621977	0.736595198
## AUC_hist.PET	0.6653194960	0.561380022
## H_suv.PET	0.4537012729	0.415292842
## Volume.PET	0.6774121118	0.718478062
## X3D_surface.PET	0.6820626278	0.708421983
## ratio_3ds_vol.PET	0.0227746532	-0.150169643
## ratio_3ds_vol_norm.PET	0.4702695563	0.311952185
## irregularity.PET	0.5067485345	0.393116120
## tumor_length.PET	0.8634981734	0.805847805
## Compactness_v1.PET	0.2935652645	0.202246332
## Compactness_v2.PET	0.3557513233	0.431173442
## Spherical_disproportion.PET	0.4702695563	0.311952185
## Sphericity.PET	0.3636417168	0.451798122
## Asphericity.PET	0.4570145598	0.299014400
## Center_of_mass.PET	0.6188006743	0.625665040
## Max_3D_diam.PET	0.8396223189	0.889098803
## Major_axis_length.PET	0.8499680820	0.871736527
## Minor_axis_length.PET	1.0000000000	0.948959769
## Least_axis_length.PET	0.9489597690	1.0000000000
## Elongation.PET	0.5451758334	0.406827090
## Flatness.PET	0.5631949568	0.552551751
## Max_cooc.L.PET	0.1428965140	0.015055614
## Average_cooc.L.PET	0.3415332350	0.294343197
## Variance_cooc.L.PET	0.0306696131	-0.022808303
## Entropy_cooc.L.PET	0.6717018998	0.587885334
## DAVE_cooc.L.PET	0.1502431759	0.072721308
## DVAR_cooc.L.PET	0.1266330213	0.030839788
## DENT_cooc.L.PET	0.5200652157	0.425225595
## SAVE_cooc.L.PET	0.3415198914	0.294458000
## SVAR_cooc.L.PET	0.0995480629	0.056621202
## SENT_cooc.L.PET	0.5702982184	0.467083442
## ASM_cooc.L.PET	0.1382319210	0.015513701
## Contrast_cooc.L.PET	-0.0828859912	-0.145889437
## Dissimilarity_cooc.L.PET	0.1502431759	0.072721308
## Inv_diff_cooc.L.PET	0.7881561209	0.679639339
## Inv_diff_norm_cooc.L.PET	0.7126968303	0.610907513
## IDM_cooc.L.PET	0.7494086323	0.636941940
## IDM_norm_cooc.L.PET	0.6918924051	0.590548009
## Inv_var_cooc.L.PET	0.7572466637	0.642788703

## Correlation_cooc.L.PET	0.7184842433	0.682658148
## Autocorrelation_cooc.L.PET	0.1373868770	0.119754774
## Tendency_cooc.L.PET	0.0995480629	0.056621202
## Shade_cooc.L.PET	0.0369243329	-0.028324339
## Prominence_cooc.L.PET	-0.0797742448	-0.123743077
## IC1_.L.PET	0.1599956766	0.173926431
## IC2_.L.PET	0.3623016887	0.260716301
## Coarseness_vdif_.L.PET	-0.0357703163	-0.154995120
## Contrast_vdif_.L.PET	-0.2260861153	-0.239030556
## Busyness_vdif_.L.PET	0.8039308819	0.853182403
## Complexity_vdif_.L.PET	0.1104910743	0.009537356
## Strength_vdif_.L.PET	-0.3090642523	-0.369779851
## SRE_align.L.PET	0.6448889716	0.542502965
## LRE_align.L.PET	0.7144136329	0.614957248
## GLNU_align.L.PET	0.7914174165	0.837564333
## RLNU_align.L.PET	0.7664466835	0.841734958
## RP_align.L.PET	0.6395987953	0.537257543
## LGRE_align.L.PET	0.3415722380	0.211281841
## HGRE_align.L.PET	0.1452948137	0.120940175
## LGSRE_align.L.PET	0.3377120204	0.206453049
## HGSRE_align.L.PET	0.1373313251	0.112085849
## LGHRE_align.L.PET	0.3565880690	0.230437754
## HGLRE_align.L.PET	0.1778703525	0.157222729
## GLNU_norm_align.L.PET	0.3521760087	0.204181664
## RLNU_norm_align.L.PET	0.6214719213	0.518980421
## GLVAR_align.L.PET	0.0886087334	0.042723516
## RLVAR_align.L.PET	0.5837068048	0.467098910
## Entropy_align.L.PET	0.6738829268	0.590902284
## SZSE.L.PET	0.6082241996	0.505425298
## LZSE.L.PET	0.6100551918	0.542824733
## LGLZE.L.PET	0.3472940520	0.214467237
## HGLZE.L.PET	0.1468147046	0.120596714
## SZLGE.L.PET	0.3279613867	0.192820227
## SZHGE.L.PET	0.1286705173	0.097484557
## LZLGE.L.PET	0.3858337104	0.277771504
## LZHGE.L.PET	0.1992040656	0.193976356
## GLNU_area.L.PET	0.7921370075	0.842378026
## ZSNU.L.PET	0.7597422959	0.838247397
## ZSP.L.PET	0.5913642639	0.489527820
## GLNU_norm.L.PET	0.3536742780	0.206501764
## ZSNU_norm.L.PET	0.5660487091	0.464040334
## GLVAR_area.L.PET	0.0946989117	0.044858321
## ZSVAR.L.PET	0.6169161237	0.544745241
## Entropy_area.L.PET	0.7029587962	0.619230288
## Max_cooc.H.PET	-0.0630962218	-0.155738537
## Average_cooc.H.PET	0.5694077229	0.459662576
## Variance_cooc.H.PET	0.7056819701	0.655791599
## Entropy_cooc.H.PET	0.6027313054	0.551026573
## DAVE_cooc.H.PET	0.5499915224	0.466376315
## DVAR_cooc.H.PET	0.5163195462	0.435936315
## DENT_cooc.H.PET	0.6765782082	0.625297321
## SAVE_cooc.H.PET	0.6192676801	0.514983382
## SVAR_cooc.H.PET	0.7444161835	0.692715825
## SENT_cooc.H.PET	0.4417491313	0.335041264

## ASM_cooc.H.PET	-0.0477727082	-0.141036992
## Contrast_cooc.H.PET	0.4567781155	0.382229737
## Dissimilarity_cooc.H.PET	0.5499915224	0.466376315
## Inv_diff_cooc.H.PET	0.3437985341	0.237581060
## Inv_diff_norm_cooc.H.PET	0.6606447563	0.557595357
## IDM_cooc.H.PET	0.2521300323	0.149593985
## IDM_norm_cooc.H.PET	0.6645148333	0.562461162
## Inv_var_cooc_.H.PET	0.3846081886	0.267977710
## Correlation_cooc.H.PET	0.7295519690	0.702507594
## Autocorrelation_cooc.H.PET	0.4901833159	0.379153695
## Tendency_cooc.H.PET	0.7770588195	0.744964558
## Shade_cooc.H.PET	-0.3831116613	-0.385705881
## Prominence_cooc.H.PET	0.7187246720	0.728078211
## IC1_d.H.PET	-0.3522761764	-0.410040593
## IC2_d.H.PET	0.7426165952	0.706524444
## Coarseness_vdif.H.PET	0.0919700246	-0.027159310
## Contrast_vdif.H.PET	-0.0821152361	-0.135890649
## Busyness_vdif.H.PET	0.3907348574	0.482566071
## Complexity_vdif.H.PET	0.1957731999	0.053867739
## Strength_vdif.H.PET	-0.1710251885	-0.183378890
## SRE_align.H.PET	0.6523140972	0.559219940
## LRE_align.H.PET	0.3844550800	0.297977864
## RLNU_align.H.PET	0.7460585519	0.822465666
## RP_align.H.PET	0.6373458735	0.546735260
## LGRE_align.H.PET	0.1680379617	0.050774556
## HGRE_align.H.PET	0.5042547559	0.388947730
## LGSRE_align.H.PET	0.1647423628	0.047384557
## HGSRE_align.H.PET	0.5425174286	0.427024035
## LGHRE_align.H.PET	0.1870197114	0.069873975
## HGLRE_align.H.PET	0.2306496912	0.159091209
## GLNU_norm_align.H.PET	0.0734035951	-0.040993160
## RLNU_norm_align.H.PET	0.6102169797	0.528157338
## GLVAR_align.H.PET	0.7123491531	0.670901483
## RLVAR_align.H.PET	0.2014525882	0.136495401
## Entropy_align.H.PET	0.7838665596	0.727672883
## SZSE.H.PET	0.6317228702	0.548688601
## LZSE.H.PET	0.0016256628	-0.030222633
## LGLZE.H.PET	0.1697151543	0.052019298
## HGLZE.H.PET	0.5677575738	0.454762245
## SZLGE.H.PET	0.1610376509	0.042791663
## SZHGE.H.PET	0.5136544349	0.405320491
## LZLGE.H.PET	0.0390140398	-0.004259953
## LZHGE.H.PET	-0.0292104424	-0.053460340
## GLNU_area.H.PET	0.7792132773	0.844146602
## ZSNU.H.PET	0.6771954140	0.758283692
## ZSP.H.PET	0.4971389391	0.447212648
## GLNU_norm.H.PET	0.0881143920	-0.010917604
## ZSNU_norm.H.PET	0.5434071506	0.483278026
## GLVAR_area.H.PET	0.7004501409	0.655112647
## ZSVAR_H.PET	-0.0125057557	-0.042061984
## Entropy_area.H.PET	0.7944967874	0.720296412
## Max_cooc.W.PET	-0.0495467749	-0.154135440
## Average_cooc.W.PET	0.5648111641	0.574724376
## Variance_cooc.W.PET	0.3479594968	0.381687800

## Entropy_cooc.W.PET	0.7212384416	0.669539304
## DAVE_cooc.W.PET	0.4525021370	0.437403717
## DVAR_cooc.W.PET	0.2991287843	0.315876227
## DENT_cooc.W.PET	0.6434384083	0.584145982
## SAVE_cooc.W.PET	0.5646769417	0.574838554
## SVAR_cooc.W.PET	0.3608968459	0.400757020
## SENT_cooc.W.PET	0.6949375935	0.620015334
## ASM_cooc.W.PET	0.0156230119	-0.101147596
## Contrast_cooc.W.PET	0.2828500821	0.297661992
## Dissimilarity_cooc.W.PET	0.4525021370	0.437403717
## Inv_diff_cooc.W.PET	0.3957293992	0.282052051
## Inv_diff_norm_cooc.W.PET	0.7091283588	0.607160465
## IDM_cooc.W.PET	0.2839184569	0.177131323
## IDM_norm_cooc.W.PET	0.6904722451	0.589177120
## Inv_var_cooc.W.PET	0.3507272624	0.240874225
## Correlation_cooc.W.PET	0.7233924368	0.688186481
## Autocorrelation_cooc.W.PET	0.4092982653	0.453089423
## Tendency_cooc.W.PET	0.3608968459	0.400757020
## Shade_cooc.W.PET	0.1465913994	0.178496678
## Prominence_cooc.W.PET	0.1284031853	0.167597325
## IC1_d.W.PET	-0.2809270139	-0.342229390
## IC2_d.W.PET	0.6717110633	0.616116127
## Coarseness_vdif.W.PET	-0.0916412046	-0.197849613
## Contrast_vdif.W.PET	0.1280735151	0.101025426
## Busyness_vdif.W.PET	0.2920540627	0.303480681
## Complexity_vdif.W.PET	0.3693946775	0.393939731
## Strength_vdif.W.PET	-0.0288584270	-0.063815116
## SRE_align.W.PET	0.6619349339	0.563850631
## LRE_align.W.PET	0.5598692762	0.454829912
## GLNU_align.W.PET	0.7717181217	0.815137507
## RLNU_align.W.PET	0.7577042321	0.832968969
## RP_align.W.PET	0.6575780256	0.561310379
## LGRE_align.W.PET	0.0584256048	-0.060847509
## HGRE_align.W.PET	0.4160563163	0.458588960
## LGSRE_align.W.PET	0.0768756238	-0.046509175
## HGSRE_align.W.PET	0.4077417279	0.450347598
## LGHRE_align.W.PET	-0.0007384157	-0.100037839
## HGLRE_align.W.PET	0.4509977310	0.493298057
## GLNU_norm_align.W.PET	0.0576190675	-0.065119454
## RLNU_norm_align.W.PET	0.6516474859	0.559947073
## GLVAR_align.W.PET	0.3780947094	0.415661984
## RLVAR_align.W.PET	0.2057305870	0.119335471
## Entropy_align.W.PET	0.7716013087	0.714229830
## SZSE.W.PET	0.6432210057	0.549803770
## LZSE.W.PET	0.0128549500	-0.020981744
## LGLZE.W.PET	0.0847632392	-0.035270227
## HGLZE.W.PET	0.4138905146	0.456349569
## SZLGE.W.PET	0.1361999126	-0.001506608
## SZHGE.W.PET	0.3890257295	0.432360526
## LZLGE.W.PET	-0.0771443939	-0.116464456
## LZHGE.W.PET	0.4747864400	0.513637539
## GLNU_area.W.PET	0.7881376109	0.840885566
## ZSNU.W.PET	0.7232402098	0.801541286
## ZSP.W.PET	0.6179582505	0.541216777

## GLNU_norm.W.PET	0.0724642933	-0.047725641
## ZSNU_norm.W.PET	0.6055637342	0.528014057
## GLVAR_area.W.PET	0.3788031568	0.413432695
## ZSVAR.W.PET	-0.0371046531	-0.064982718
## Entropy_area.W.PET	0.7906164533	0.722528877
## Min_hist.ADC	0.0185910145	-0.026825154
## Max_hist.ADC	0.6830832846	0.586294507
## Mean_hist.ADC	0.5149793049	0.406918767
## Variance_hist.ADC	0.4201162578	0.356840383
## Standard_Deviation_hist.ADC	0.5686744942	0.484414841
## Skewness_hist.ADC	0.2534568760	0.269184457
## Kurtosis_hist.ADC	0.2324235774	0.191644108
## Energy_hist.ADC	0.1255641091	0.003653650
## Entropy_hist.ADC	0.7247831512	0.637914116
## AUC_hist.ADC	0.6840986349	0.595464198
## Volume.ADC	0.6535837375	0.683440902
## X3D_surface.ADC	0.6218813344	0.606319621
## ratio_3ds_vol.ADC	0.1926168763	0.102393036
## ratio_3ds_vol_norm.ADC	0.7113428978	0.623665036
## irregularity.ADC	0.5591600507	0.462851852
## Compactness_v1.ADC	0.2988935122	0.171055182
##	Elongation.PET	Flatness.PET
## Failure	0.024324115	0.004241142
## Entropy_cooc.W.ADC	0.060872036	0.066509562
## GLNU_align.H.PET	0.026257245	0.059334775
## Min_hist.PET	0.329084394	0.357428681
## Max_hist.PET	0.330055198	0.365528436
## Mean_hist.PET	0.317257304	0.356715283
## Variance_hist.PET	0.064102400	0.124760724
## Standard_Deviation_hist.PET	0.335965863	0.375506117
## Skewness_hist.PET	0.482439759	0.360692375
## Kurtosis_hist.PET	0.190036411	0.102420085
## Energy_hist.PET	0.495223635	0.385405374
## Entropy_hist.PET	0.674480102	0.644040021
## AUC_hist.PET	0.860075734	0.794966336
## H_suv.PET	0.421561857	0.405786226
## Volume.PET	0.116403319	0.187529551
## X3D_surface.PET	0.104404177	0.170756388
## ratio_3ds_vol.PET	0.608396167	0.402923434
## ratio_3ds_vol_norm.PET	0.603598976	0.477035775
## irregularity.PET	0.831198090	0.736354787
## tumor_length.PET	0.479495693	0.492668719
## Compactness_v1.PET	0.508774170	0.442920939
## Compactness_v2.PET	0.030676781	0.126722559
## Spherical_disproportion.PET	0.603598976	0.477035775
## Sphericity.PET	0.015476859	0.120779276
## Asphericity.PET	0.586796176	0.459885098
## Center_of_mass.PET	0.224817980	0.276142981
## Max_3D_diam.PET	0.167030354	0.263288970
## Major_axis_length.PET	0.174254608	0.235656187
## Minor_axis_length.PET	0.545175833	0.563194957
## Least_axis_length.PET	0.406827090	0.552551751
## Elongation.PET	1.000000000	0.901681087
## Flatness.PET	0.901681087	1.000000000
	Max_cooc.L.PET	
	0.057144680	
	-0.024250580	
	0.039818160	
	0.104573457	
	0.129234694	
	0.097472407	
	0.031086521	
	0.140700735	
	0.364182497	
	0.219157864	
	0.983455503	
	0.291250330	
	0.515493062	
	0.236403787	
	-0.154869919	
	0.096461308	
	0.674106888	
	0.653055147	
	0.491494273	
	0.323061520	
	0.910666104	
	-0.262577521	
	0.653055147	
	-0.405101863	
	0.650913659	
	0.173604816	
	-0.158558751	
	-0.025628046	
	0.142896514	
	0.015055614	
	0.504912433	
	0.392941506	

## Max_cooc.L.PET	0.504912433	0.392941506	1.000000000
## Average_cooc.L.PET	0.713974842	0.686096713	0.348284411
## Variance_cooc.L.PET	0.613233009	0.557606888	0.319710231
## Entropy_cooc.L.PET	0.828522116	0.784489027	0.380397679
## DAVE_cooc.L.PET	0.698642997	0.614572289	0.365987662
## DVAR_cooc.L.PET	0.661517325	0.552966210	0.420516825
## DENT_cooc.L.PET	0.836687099	0.764629586	0.427405442
## SAVE_cooc.L.PET	0.713688371	0.685926280	0.347206088
## SVAR_cooc.L.PET	0.605050434	0.573178959	0.300821732
## SENT_cooc.L.PET	0.862417334	0.790590526	0.509626265
## ASM_cooc.L.PET	0.486400101	0.380952333	0.995949147
## Contrast_cooc.L.PET	0.543587334	0.457750030	0.306390913
## Dissimilarity_cooc.L.PET	0.698642997	0.614572289	0.365987662
## Inv_diff_cooc.L.PET	0.739321235	0.690378524	0.567126637
## Inv_diff_norm_cooc.L.PET	0.847506355	0.789418321	0.474912542
## IDM_cooc.L.PET	0.680390896	0.628316778	0.623341791
## IDM_norm_cooc.L.PET	0.852198000	0.792188681	0.471917128
## Inv_var_cooc.L.PET	0.674285572	0.616339765	0.618854277
## Correlation_cooc.L.PET	0.538568027	0.575987147	0.315444780
## Autocorrelation_cooc.L.PET	0.562495633	0.557235660	0.280772927
## Tendency_cooc.L.PET	0.605050434	0.573178959	0.300821732
## Shade_cooc.L.PET	0.228973707	0.161672083	0.137400243
## Prominence_cooc.L.PET	0.454174845	0.412222682	0.245151638
## IC1_.L.PET	-0.319722409	-0.271706132	0.017418310
## IC2_.L.PET	0.809996775	0.720604366	0.542563745
## Coarseness_vdif_.L.PET	0.516391088	0.389073559	0.930078736
## Contrast_vdif_.L.PET	0.287960456	0.275238826	0.234001331
## Busyness_vdif_.L.PET	0.143775611	0.241662800	-0.041553808
## Complexity_vdif_.L.PET	0.690474185	0.579819876	0.440672366
## Strength_vdif_.L.PET	0.305189375	0.209016183	0.355348773
## SRE_align.L.PET	0.858494051	0.792270025	0.477818534
## LRE_align.L.PET	0.854620215	0.800952205	0.462066899
## GLNU_align.L.PET	0.098861664	0.195164611	-0.029267254
## RLNU_align.L.PET	0.040131191	0.158755742	-0.101478424
## RP_align.L.PET	0.858866878	0.792185030	0.477852839
## LGRE_align.L.PET	0.616482447	0.519324362	0.710282370
## HGRE_align.L.PET	0.582023678	0.565825480	0.294485169
## LGSRE_align.L.PET	0.620808008	0.522186675	0.719465989
## HGSRE_align.L.PET	0.580751059	0.562402079	0.296172589
## LGHRE_align.L.PET	0.597676478	0.506372343	0.671895620
## HGLRE_align.L.PET	0.585672268	0.578404380	0.286415223
## GLNU_norm_align.L.PET	0.671032453	0.549754773	0.928631265
## RLNU_norm_align.L.PET	0.859628837	0.790932733	0.478661087
## GLVAR_align.L.PET	0.643429725	0.603368566	0.319026783
## RLVAR_align.L.PET	0.623905249	0.563506931	0.835661499
## Entropy_align.L.PET	0.834187409	0.791373663	0.396191054
## SZSE.L.PET	0.825883791	0.751710275	0.481481927
## LZSE.L.PET	0.653042993	0.646186882	0.297093182
## LGLZE.L.PET	0.632718561	0.532415032	0.721164048
## HGLZE.L.PET	0.588984369	0.570218649	0.297338821
## SZLGE.L.PET	0.638337580	0.530852488	0.748200459
## SZHGE.L.PET	0.574551165	0.544873318	0.305593035
## LZLGE.L.PET	0.524983975	0.462950799	0.539627589
## LZHGE.L.PET	0.522897683	0.549299160	0.206137202

## GLNU_area.L.PET	0.089593086	0.187766223	-0.038412467
## ZSNU.L.PET	0.030525889	0.149375710	-0.113524297
## ZSP.L.PET	0.833439718	0.757988062	0.478614455
## GLNU_norm.L.PET	0.672529915	0.552045403	0.930951073
## ZSNU_norm.L.PET	0.846400972	0.769053928	0.479749929
## GLVAR_area.L.PET	0.650315155	0.604811036	0.327508839
## ZSVAR.L.PET	0.475851386	0.482326309	0.361998845
## Entropy_area.L.PET	0.834339347	0.795033365	0.394724765
## Max_cooc.H.PET	0.295128821	0.188043232	0.453241182
## Average_cooc.H.PET	0.847686301	0.766257736	0.458672154
## Variance_cooc.H.PET	0.710085783	0.704888982	0.312146194
## Entropy_cooc.H.PET	0.667249635	0.669945501	0.287222156
## DAVE_cooc.H.PET	0.761675098	0.700893165	0.353434072
## DVAR_cooc.H.PET	0.723406047	0.656656510	0.364802094
## DENT_cooc.H.PET	0.609537291	0.599218323	0.204310059
## SAVE_cooc.H.PET	0.845623770	0.775171903	0.431652556
## SVAR_cooc.H.PET	0.679152529	0.677861460	0.321202374
## SENT_cooc.H.PET	0.665041090	0.596125376	0.590149627
## ASM_cooc.H.PET	0.287061675	0.178370442	0.540264379
## Contrast_cooc.H.PET	0.679820484	0.617093828	0.318114767
## Dissimilarity_cooc.H.PET	0.761675098	0.700893165	0.353434072
## Inv_diff_cooc.H.PET	0.620511416	0.532641668	0.500420225
## Inv_diff_norm_cooc.H.PET	0.854929718	0.791443134	0.488504924
## IDM_cooc.H.PET	0.541971094	0.451290292	0.473803887
## IDM_norm_cooc.H.PET	0.857278843	0.794809543	0.479441307
## Inv_var_cooc.H.PET	0.535475068	0.447665793	0.889470745
## Correlation_cooc.H.PET	0.541013343	0.589334592	0.314167453
## Autocorrelation_cooc.H.PET	0.805128377	0.716510147	0.463140545
## Tendency_cooc.H.PET	0.662911927	0.689271805	0.280877925
## Shade_cooc.H.PET	-0.388956871	-0.427547602	-0.152281875
## Prominence_cooc.H.PET	0.457099810	0.526392228	0.155890063
## IC1_d.H.PET	-0.066870239	-0.178614903	0.366705149
## IC2_d.H.PET	0.642886351	0.684347904	0.369385498
## Coarseness_vdif.H.PET	0.476738055	0.370872009	0.993927008
## Contrast_vdif.H.PET	0.304352304	0.210730307	0.285651913
## Busyness_vdif.H.PET	-0.030609185	0.078777542	-0.394982041
## Complexity_vdif.H.PET	0.703093840	0.564366975	0.670968680
## Strength_vdif.H.PET	-0.016514302	-0.045070270	0.168820052
## SRE_align.H.PET	0.823748669	0.767474921	0.448811597
## LRE_align.H.PET	0.582667781	0.523395803	0.340992404
## RLNU_align.H.PET	0.020846744	0.136381930	-0.090363739
## RP_align.H.PET	0.810234092	0.754563266	0.443056242
## LGRE_align.H.PET	0.480830279	0.382789179	0.986688737
## HGRE_align.H.PET	0.797333878	0.699994831	0.460651918
## LGSRE_align.H.PET	0.479060422	0.380635993	0.986875183
## HGSRE_align.H.PET	0.822531132	0.724875804	0.456016297
## LGHRE_align.H.PET	0.492082446	0.396060129	0.985866469
## HGLRE_align.H.PET	0.408314325	0.352678250	0.272476220
## GLNU_norm_align.H.PET	0.504595166	0.380290909	0.493138280
## RLNU_norm_align.H.PET	0.758813140	0.710049409	0.411035692
## GLVAR_align.H.PET	0.672787910	0.678356539	0.286796886
## RLVAR_align.H.PET	0.306877044	0.264738904	0.225700284
## Entropy_align.H.PET	0.716451960	0.714559200	0.316494061
## SZSE.H.PET	0.692127702	0.636417556	0.380429407

## LZSE.H.PET	-0.012464661	-0.042439018	-0.060090419
## LGLZE.H.PET	0.479582493	0.381487106	0.984807476
## HGLZE.H.PET	0.743465610	0.656725746	0.393311135
## SZLGE.H.PET	0.474600529	0.374946064	0.985834588
## SZHGE.H.PET	0.667312972	0.566689652	0.355356856
## LZLGE.H.PET	0.065802822	0.033413278	0.072761204
## LZHGE.H.PET	-0.034388351	-0.054231549	-0.011489310
## GLNU_area.H.PET	0.088155200	0.196440306	-0.099790534
## ZSNU.H.PET	-0.035877870	0.072522831	-0.099682779
## ZSP.H.PET	0.505926666	0.466173564	0.260032565
## GLNU_norm.H.PET	0.531830471	0.432664570	0.485570828
## ZSNU_norm.H.PET	0.568856738	0.530739986	0.309334862
## GLVAR_area.H.PET	0.649849820	0.646272276	0.275598115
## ZSVAR.H.PET	-0.020691192	-0.046609279	-0.035426729
## Entropy_area.H.PET	0.775560630	0.756521780	0.363031219
## Max_cooc.W.PET	0.339142533	0.220085747	0.674017072
## Average_cooc.W.PET	0.311041544	0.359478488	0.107487039
## Variance_cooc.W.PET	0.070848107	0.125273860	0.041930080
## Entropy_cooc.W.PET	0.677770599	0.673148722	0.285048395
## DAVE_cooc.W.PET	0.370704355	0.377182486	0.145105030
## DVAR_cooc.W.PET	0.102866657	0.128096931	0.039645705
## DENT_cooc.W.PET	0.665702185	0.644408964	0.302597312
## SAVE_cooc.W.PET	0.310139430	0.358799700	0.105472295
## SVAR_cooc.W.PET	0.048306303	0.113695779	0.042530098
## SENT_cooc.W.PET	0.746076983	0.718369988	0.414577339
## ASM_cooc.W.PET	0.393796278	0.271861628	0.835944118
## Contrast_cooc.W.PET	0.122946746	0.143935587	0.035362319
## Dissimilarity_cooc.W.PET	0.370704355	0.377182486	0.145105030
## Inv_diff_cooc.W.PET	0.706821101	0.613100783	0.513177788
## Inv_diff_norm_cooc.W.PET	0.848568521	0.790250555	0.477199747
## IDM_cooc.W.PET	0.597128766	0.502018905	0.482259439
## IDM_norm_cooc.W.PET	0.852890158	0.793050871	0.472944445
## Inv_var_cooc.W.PET	0.666504811	0.575248359	0.509900178
## Correlation_cooc.W.PET	0.536999618	0.575301435	0.312881296
## Autocorrelation_cooc.W.PET	0.031499242	0.101173341	-0.004600758
## Tendency_cooc.W.PET	0.048306303	0.113695779	0.042530098
## Shade_cooc.W.PET	-0.038310579	0.007724937	0.053075817
## Prominence_cooc.W.PET	-0.077704375	-0.026155815	0.022619794
## IC1_d.W.PET	-0.051451722	-0.154028652	0.424351678
## IC2_d.W.PET	0.704033660	0.710240661	0.431932707
## Coarseness_vdif.W.PET	0.493501993	0.375959379	0.862811903
## Contrast_vdif.W.PET	0.401637988	0.378673658	0.268639230
## Busyness_vdif.W.PET	0.183727876	0.229139800	-0.085810655
## Complexity_vdif.W.PET	-0.014395966	0.032120694	0.034909220
## Strength_vdif.W.PET	0.185026097	0.153880711	0.230362928
## SRE_align.W.PET	0.847284265	0.787440812	0.465046903
## LRE_align.W.PET	0.771445268	0.700135953	0.438134447
## GLNU_align.W.PET	0.142324415	0.238465777	-0.085794638
## RLNU_align.W.PET	0.031234016	0.147910245	-0.090854303
## RP_align.W.PET	0.842095748	0.783637422	0.461372667
## LGRE_align.W.PET	0.500691421	0.376264390	0.475517222
## HGRE_align.W.PET	0.034228685	0.100998854	-0.011836160
## LGSRE_align.W.PET	0.537708149	0.411866514	0.504061299
## HGSRE_align.W.PET	0.029614741	0.095223953	-0.012976853

## LGHRE_align.W.PET	0.336328833	0.225826915	0.341437979
## HGLRE_align.W.PET	0.053633639	0.125663070	-0.007558021
## GLNU_norm_align.W.PET	0.506246320	0.371181938	0.594565660
## RLNU_norm_align.W.PET	0.820598262	0.766737373	0.444864389
## GLVAR_align.W.PET	0.062977730	0.123903123	0.029204595
## RLVAR_align.W.PET	0.373412991	0.304134184	0.372247926
## Entropy_align.W.PET	0.722071909	0.716888237	0.317384818
## SZSE.W.PET	0.776503903	0.712488057	0.443552064
## LZSE.W.PET	0.131479300	0.112719710	0.119830503
## LGLZE.W.PET	0.530374558	0.407422630	0.493485476
## HGLZE.W.PET	0.035591307	0.101731055	-0.008973265
## SZLGE.W.PET	0.599893768	0.455871252	0.575044322
## SZHGE.W.PET	0.019167760	0.082415870	-0.010777318
## LZLGE.W.PET	0.002626251	-0.039848587	0.051765565
## LZHGE.W.PET	0.154313141	0.252099011	0.030587333
## GLNU_area.W.PET	0.121636094	0.223259179	-0.090930364
## ZSNU.W.PET	-0.001605931	0.110843594	-0.092780504
## ZSP.W.PET	0.709792750	0.659470331	0.379898630
## GLNU_norm.W.PET	0.532857772	0.403756151	0.605008602
## ZSNU_norm.W.PET	0.702524425	0.651552781	0.387631565
## GLVAR_area.W.PET	0.067061613	0.124465193	0.035355454
## ZSVAR.W.PET	0.045585897	0.027482293	0.080234551
## Entropy_area.W.PET	0.768341658	0.756517724	0.346642135
## Min_hist.ADC	0.218795950	0.156780843	0.222151481
## Max_hist.ADC	0.737724138	0.674613708	0.377988498
## Mean_hist.ADC	0.725380810	0.625030681	0.390539501
## Variance_hist.ADC	0.337085349	0.292855701	0.281769558
## Standard_Deviation_hist.ADC	0.588112027	0.529990471	0.370117462
## Skewness_hist.ADC	0.096881772	0.164302609	0.121182161
## Kurtosis_hist.ADC	0.204651580	0.158483878	0.110346794
## Energy_hist.ADC	0.490895455	0.383964963	0.989199535
## Entropy_hist.ADC	0.826867046	0.791732754	0.392593930
## AUC_hist.ADC	0.826956092	0.785979326	0.477223363
## Volume.ADC	0.111155944	0.153857614	-0.161373058
## X3D_surface.ADC	0.338645073	0.366858966	0.085592989
## ratio_3ds_vol.ADC	0.556438645	0.463632586	0.497222178
## ratio_3ds_vol_norm.ADC	0.781710306	0.724435390	0.378022867
## irregularity.ADC	0.805512124	0.738347964	0.479927067
## Compactness_v1.ADC	0.684838242	0.587485029	0.939768037
##	Average_cooc.L.PET	Variance_cooc.L.PET	
## Failure	0.082640607	0.123318559	
## Entropy_cooc.W.ADC	-0.051034828	-0.157232762	
## GLNU_align.H.PET	-0.149307529	-0.236605063	
## Min_hist.PET	0.442019946	0.299686491	
## Max_hist.PET	0.330624050	0.105244387	
## Mean_hist.PET	0.454620600	0.250661486	
## Variance_hist.PET	0.186688702	0.043281582	
## Standard_Deviation_hist.PET	0.412011218	0.221122079	
## Skewness_hist.PET	0.057308577	0.191706643	
## Kurtosis_hist.PET	-0.274026209	-0.253351328	
## Energy_hist.PET	0.384214847	0.401050815	
## Entropy_hist.PET	0.607153084	0.350471575	
## AUC_hist.PET	0.787694314	0.627526617	
## H_suv.PET	0.510151368	0.357606936	

## Volume.PET	0.084923869	-0.193344226
## X3D_surface.PET	0.033087809	-0.159715041
## ratio_3ds_vol.PET	0.493451432	0.637921470
## ratio_3ds_vol_norm.PET	0.360615016	0.320170527
## irregularity.PET	0.805570383	0.725085911
## tumor_length.PET	0.329646500	0.064702323
## Compactness_v1.PET	0.423445138	0.309934284
## Compactness_v2.PET	0.161830577	-0.018232246
## Spherical_disproportion.PET	0.360615016	0.320170527
## Sphericity.PET	0.162757389	-0.004410276
## Asphericity.PET	0.340742297	0.304976100
## Center_of_mass.PET	0.130512812	0.029990009
## Max_3D_diam.PET	0.201005791	-0.113757929
## Major_axis_length.PET	0.256670813	-0.059375635
## Minor_axis_length.PET	0.341533235	0.030669613
## Least_axis_length.PET	0.294343197	-0.022808303
## Elongation.PET	0.713974842	0.613233009
## Flatness.PET	0.686096713	0.557606888
## Max_cooc.L.PET	0.348284411	0.319710231
## Average_cooc.L.PET	1.000000000	0.848489876
## Variance_cooc.L.PET	0.848489876	1.000000000
## Entropy_cooc.L.PET	0.853961038	0.661271672
## DAVE_cooc.L.PET	0.880818236	0.945107834
## DVAR_cooc.L.PET	0.712414638	0.823057881
## DENT_cooc.L.PET	0.890447764	0.790187425
## SAVE_cooc.L.PET	0.999999328	0.848470381
## SVAR_cooc.L.PET	0.840496063	0.967777594
## SENT_cooc.L.PET	0.861997178	0.734772311
## ASM_cooc.L.PET	0.337424038	0.303164141
## Contrast_cooc.L.PET	0.746939347	0.916558132
## Dissimilarity_cooc.L.PET	0.880818236	0.945107834
## Inv_diff_cooc.L.PET	0.468747227	0.222845794
## Inv_diff_norm_cooc.L.PET	0.763499899	0.569941625
## IDM_cooc.L.PET	0.352535667	0.116610180
## IDM_norm_cooc.L.PET	0.787379511	0.603857969
## Inv_var_cooc.L.PET	0.357026395	0.119683154
## Correlation_cooc.L.PET	0.399164704	0.178404121
## Autocorrelation_cooc.L.PET	0.946643824	0.831638625
## Tendency_cooc.L.PET	0.840496063	0.967777594
## Shade_cooc.L.PET	0.120830546	0.437845224
## Prominence_cooc.L.PET	0.625789271	0.889208949
## IC1_.L.PET	-0.495438474	-0.692772144
## IC2_.L.PET	0.830896838	0.810919283
## Coarseness_vdif_.L.PET	0.484752820	0.529953247
## Contrast_vdif_.L.PET	0.367303089	0.591698114
## Busyness_vdif_.L.PET	-0.001220945	-0.214295970
## Complexity_vdif_.L.PET	0.750821191	0.869250064
## Strength_vdif_.L.PET	0.308475111	0.591729664
## SRE_align.L.PET	0.822817206	0.665069874
## LRE_align.L.PET	0.762217135	0.570447373
## GLNU_align.L.PET	-0.053381469	-0.303458146
## RLNU_align.L.PET	0.022635456	-0.250920662
## RP_align.L.PET	0.826253546	0.670659618
## LGRE_align.L.PET	0.244207724	0.328958551

## HGRE_align.L.PET	0.955597990	0.840455240
## LGSRE_align.L.PET	0.255903944	0.340797412
## HGSRE_align.L.PET	0.954406949	0.845852130
## LGHRE_align.L.PET	0.195803089	0.277894878
## HGLRE_align.L.PET	0.957161140	0.815491005
## GLNU_norm_align.L.PET	0.412246974	0.375418670
## RLNU_norm_align.L.PET	0.837349575	0.689527669
## GLVAR_align.L.PET	0.905248283	0.987532599
## RLVAR_align.L.PET	0.321596166	0.122187169
## Entropy_align.L.PET	0.861924931	0.661876816
## SZSE.L.PET	0.821091271	0.680986552
## LZSE.L.PET	0.445358747	0.248788933
## LGLZE.L.PET	0.261782413	0.338200383
## HGLZE.L.PET	0.958451679	0.848902267
## SZLGE.L.PET	0.298592282	0.374733920
## SZHGE.L.PET	0.945913040	0.858262319
## LZLGE.L.PET	0.060885445	0.118803431
## LZHGE.L.PET	0.791117359	0.618214658
## GLNU_area.L.PET	-0.040808512	-0.291714543
## ZSNU.L.PET	0.040033047	-0.232844391
## ZSP.L.PET	0.840744226	0.706711834
## GLNU_norm.L.PET	0.414644476	0.374679350
## ZSNU_norm.L.PET	0.860199790	0.732169490
## GLVAR_area.L.PET	0.909222791	0.987070410
## ZSVAR.L.PET	0.096417848	-0.126157991
## Entropy_area.L.PET	0.840526431	0.630719237
## Max_cooc.H.PET	0.224387468	0.330897728
## Average_cooc.H.PET	0.798561185	0.689403497
## Variance_cooc.H.PET	0.770907590	0.477574867
## Entropy_cooc.H.PET	0.661104345	0.535262361
## DAVE_cooc.H.PET	0.809060473	0.636653333
## DVAR_cooc.H.PET	0.830954060	0.609075909
## DENT_cooc.H.PET	0.566452202	0.382400172
## SAVE_cooc.H.PET	0.800795665	0.661956767
## SVAR_cooc.H.PET	0.686735945	0.379775182
## SENT_cooc.H.PET	0.587532577	0.471141011
## ASM_cooc.H.PET	0.234740067	0.298464465
## Contrast_cooc.H.PET	0.779711130	0.601106447
## Dissimilarity_cooc.H.PET	0.809060473	0.636653333
## Inv_diff_cooc.H.PET	0.505446773	0.450060970
## Inv_diff_norm_cooc.H.PET	0.793503343	0.633984107
## IDM_cooc.H.PET	0.423421230	0.394208286
## IDM_norm_cooc.H.PET	0.800396715	0.638948728
## Inv_var_cooc_.H.PET	0.379439704	0.291338234
## Correlation_cooc.H.PET	0.420898470	0.174665049
## Autocorrelation_cooc.H.PET	0.751085273	0.678795815
## Tendency_cooc.H.PET	0.697215635	0.368125571
## Shade_cooc.H.PET	-0.519908803	-0.137647116
## Prominence_cooc.H.PET	0.539321874	0.158723253
## IC1_d.H.PET	0.001325725	0.089555117
## IC2_d.H.PET	0.524075189	0.307463479
## Coarseness_vdif.H.PET	0.354394286	0.341698679
## Contrast_vdif.H.PET	0.466574753	0.449325732
## Busyness_vdif.H.PET	-0.022929893	-0.139153742

## Complexity_vdif.H.PET	0.671077655	0.622161465
## Strength_vdif.H.PET	0.012038504	0.132957333
## SRE_align.H.PET	0.799586551	0.636277650
## LRE_align.H.PET	0.490213122	0.396490414
## RLNU_align.H.PET	0.038113235	-0.229865855
## RP_align.H.PET	0.797971616	0.639151033
## LGRE_align.H.PET	0.373964370	0.306672963
## HGRE_align.H.PET	0.740704025	0.659786606
## LGSRE_align.H.PET	0.372109870	0.306511159
## HGSRE_align.H.PET	0.771835602	0.693403891
## LGHRE_align.H.PET	0.382770530	0.306201605
## HGLRE_align.H.PET	0.355002031	0.304897618
## GLNU_norm_align.H.PET	0.412789691	0.495117337
## RLNU_norm_align.H.PET	0.765174413	0.612520564
## GLVAR_align.H.PET	0.743598972	0.416354677
## RLVAR_align.H.PET	0.179816174	0.133003028
## Entropy_align.H.PET	0.708745378	0.442032858
## SZSE.H.PET	0.675524905	0.517008693
## LZSE.H.PET	-0.064610163	-0.020194685
## LGLZE.H.PET	0.377311198	0.305513181
## HGLZE.H.PET	0.596309975	0.543261332
## SZLGE.H.PET	0.370195530	0.305087248
## SZHGE.H.PET	0.571544229	0.547924703
## LZLGE.H.PET	-0.005833026	0.002802469
## LZHGE.H.PET	-0.038147246	-0.005794228
## GLNU_area.H.PET	0.024302515	-0.231868325
## ZSNU.H.PET	0.050052288	-0.197233777
## ZSP.H.PET	0.562805550	0.435679156
## GLNU_norm.H.PET	0.477709679	0.535645873
## ZSNU_norm.H.PET	0.574939829	0.438099273
## GLVAR_area.H.PET	0.712155981	0.378704447
## ZSVAR_H.PET	-0.052030852	-0.020377232
## Entropy_area.H.PET	0.727857523	0.464075699
## Max_cooc.W.PET	0.261838594	0.336289669
## Average_cooc.W.PET	0.472938298	0.200693160
## Variance_cooc.W.PET	0.178593019	0.074328278
## Entropy_cooc.W.PET	0.687825719	0.461532502
## DAVE_cooc.W.PET	0.479442187	0.344347079
## DVAR_cooc.W.PET	0.239545302	0.142360564
## DENT_cooc.W.PET	0.680285471	0.506186068
## SAVE_cooc.W.PET	0.472350841	0.200119247
## SVAR_cooc.W.PET	0.135856246	0.031263298
## SENT_cooc.W.PET	0.710915122	0.518248196
## ASM_cooc.W.PET	0.305829844	0.332464169
## Contrast_cooc.W.PET	0.274117575	0.180069123
## Dissimilarity_cooc.W.PET	0.479442187	0.344347079
## Inv_diff_cooc.W.PET	0.596854004	0.513789799
## Inv_diff_norm_cooc.W.PET	0.765478335	0.573798591
## IDM_cooc.W.PET	0.488527459	0.435175638
## IDM_norm_cooc.W.PET	0.788273042	0.605603206
## Inv_var_cooc.W.PET	0.550090221	0.473125929
## Correlation_cooc.W.PET	0.395641865	0.171321280
## Autocorrelation_cooc.W.PET	0.240294226	-0.001086225
## Tendency_cooc.W.PET	0.135856246	0.031263298

## Shade_cooc.W.PET	-0.088832281	-0.051580812
## Prominence_cooc.W.PET	-0.072512370	-0.086495327
## IC1_d.W.PET	-0.042306303	0.002422744
## IC2_d.W.PET	0.616795044	0.442713426
## Coarseness_vdif.W.PET	0.489321594	0.563246783
## Contrast_vdif.W.PET	0.555102756	0.579133011
## Busyness_vdif.W.PET	0.168380568	0.197232544
## Complexity_vdif.W.PET	0.025772581	-0.114807699
## Strength_vdif.W.PET	0.095074538	0.248734926
## SRE_align.W.PET	0.810527729	0.646376308
## LRE_align.W.PET	0.689506269	0.547314141
## GLNU_align.W.PET	-0.029639499	-0.273317648
## RLNU_align.W.PET	0.026515630	-0.243241051
## RP_align.W.PET	0.810176982	0.647243500
## LGRE_align.W.PET	0.327033303	0.496172233
## HGRE_align.W.PET	0.235286823	-0.007162733
## LGSRE_align.W.PET	0.359130041	0.529057783
## HGSRE_align.W.PET	0.230910260	-0.005291152
## LGHRE_align.W.PET	0.189434291	0.343951421
## HGLRE_align.W.PET	0.252265725	-0.016805225
## GLNU_norm_align.W.PET	0.409555822	0.492120363
## RLNU_norm_align.W.PET	0.797566716	0.636880940
## GLVAR_align.W.PET	0.184626809	0.039664739
## RLVAR_align.W.PET	0.251923364	0.200011266
## Entropy_align.W.PET	0.716620602	0.459080829
## SZSE.W.PET	0.763409439	0.607215187
## LZSE.W.PET	0.125769685	0.131500703
## LGLZE.W.PET	0.362005405	0.497766007
## HGLZE.W.PET	0.229070020	-0.003943905
## SZLGE.W.PET	0.417394613	0.538689249
## SZHGE.W.PET	0.214910897	0.002060541
## LZLGE.W.PET	-0.028285770	0.069139838
## LZHGE.W.PET	0.295984275	-0.037604919
## GLNU_area.W.PET	-0.003778099	-0.256394848
## ZSNU.W.PET	0.039132296	-0.219026419
## ZSP.W.PET	0.710957020	0.556208835
## GLNU_norm.W.PET	0.452687645	0.514611530
## ZSNU_norm.W.PET	0.701846720	0.551841969
## GLVAR_area.W.PET	0.180675904	0.034475308
## ZSVAR.W.PET	0.052371617	0.070044268
## Entropy_area.W.PET	0.735455631	0.479172638
## Min_hist.ADC	0.406460777	0.407416970
## Max_hist.ADC	0.616592708	0.435310990
## Mean_hist.ADC	0.667644510	0.566853358
## Variance_hist.ADC	0.218150979	0.105920797
## Standard_Deviation_hist.ADC	0.479140626	0.331628584
## Skewness_hist.ADC	0.222462060	0.088997315
## Kurtosis_hist.ADC	0.160387723	0.127846498
## Energy_hist.ADC	0.378305158	0.349843324
## Entropy_hist.ADC	0.718124751	0.512457136
## AUC_hist.ADC	0.798685325	0.606729566
## Volume.ADC	0.082711084	-0.178508594
## X3D_surface.ADC	0.192568854	-0.013075063
## ratio_3ds_vol.ADC	0.641622418	0.651629087

## ratio_3ds_vol_norm.ADC	0.699131070	0.523581872	
## irregularity.ADC	0.831556038	0.696547782	
## Compactness_v1.ADC	0.589089812	0.512192039	
##	Entropy_cooc.L.PET	DAVE_cooc.L.PET	DVAR_cooc.L.PET
## Failure	-0.002893407	0.103662829	0.140359688
## Entropy_cooc.W.ADC	0.023682164	-0.146086427	-0.179007684
## GLNU_align.H.PET	-0.039119007	-0.226861846	-0.189249126
## Min_hist.PET	0.556147201	0.416361907	0.388012029
## Max_hist.PET	0.552656249	0.244242782	0.272059038
## Mean_hist.PET	0.565958458	0.375316097	0.343236218
## Variance_hist.PET	0.291759552	0.103783818	0.138897265
## Standard_Deviation_hist.PET	0.568312340	0.330818600	0.332928638
## Skewness_hist.PET	0.426099171	0.251921865	0.386403165
## Kurtosis_hist.PET	0.030624567	-0.172961765	0.071240391
## Energy_hist.PET	0.353383824	0.436702612	0.475902305
## Entropy_hist.PET	0.873702113	0.482961490	0.360655289
## AUC_hist.PET	0.968368894	0.739540314	0.661632712
## H_suv.PET	0.595935004	0.492074108	0.482682406
## Volume.PET	0.349854949	-0.052771301	-0.116932151
## X3D_surface.PET	0.221586309	-0.123238244	-0.082373920
## ratio_3ds_vol.PET	0.475679804	0.632590652	0.662959516
## ratio_3ds_vol_norm.PET	0.517149055	0.320156616	0.370260871
## irregularity.PET	0.925666299	0.810522808	0.730245182
## tumor_length.PET	0.598593150	0.139365316	0.130715008
## Compactness_v1.PET	0.493649580	0.400004926	0.409592397
## Compactness_v2.PET	0.278260034	0.081278703	0.012894548
## Spherical_disproportion.PET	0.517149055	0.320156616	0.370260871
## Sphericity.PET	0.287614774	0.099914410	0.011523028
## Asphericity.PET	0.494538531	0.301370726	0.355344828
## Center_of_mass.PET	0.356406341	0.003882214	0.043853545
## Max_3D_diam.PET	0.493695840	0.008773130	-0.059091214
## Major_axis_length.PET	0.532984664	0.057837629	-0.001154193
## Minor_axis_length.PET	0.671701900	0.150243176	0.126633021
## Least_axis_length.PET	0.587885334	0.072721308	0.030839788
## Elongation.PET	0.828522116	0.698642997	0.661517325
## Flatness.PET	0.784489027	0.614572289	0.552966210
## Max_cooc.L.PET	0.380397679	0.365987662	0.420516825
## Average_cooc.L.PET	0.853961038	0.880818236	0.712414638
## Variance_cooc.L.PET	0.661271672	0.945107834	0.823057881
## Entropy_cooc.L.PET	1.000000000	0.765651887	0.640050353
## DAVE_cooc.L.PET	0.765651887	1.000000000	0.892571348
## DVAR_cooc.L.PET	0.640050353	0.892571348	1.000000000
## DENT_cooc.L.PET	0.970142724	0.886025073	0.774333016
## SAVE_cooc.L.PET	0.853883178	0.880760874	0.712237371
## SVAR_cooc.L.PET	0.679957102	0.860751841	0.715371306
## SENT_cooc.L.PET	0.964316020	0.808673944	0.699234521
## ASM_cooc.L.PET	0.359814697	0.347932864	0.394664408
## Contrast_cooc.L.PET	0.542530835	0.951834287	0.883243079
## Dissimilarity_cooc.L.PET	0.765651887	1.000000000	0.892571348
## Inv_diff_cooc.L.PET	0.787108701	0.346311402	0.353485716
## Inv_diff_norm_cooc.L.PET	0.969858358	0.685193240	0.606995119
## IDM_cooc.L.PET	0.680381927	0.235819650	0.281008296
## IDM_norm_cooc.L.PET	0.977150864	0.716561306	0.631888412
## Inv_var_cooc.L.PET	0.688277927	0.237792537	0.275685658

## Correlation_cooc.L.PET	0.644835238	0.133659851	0.041237396
## Autocorrelation_cooc.L.PET	0.661259071	0.791033720	0.622583899
## Tendency_cooc.L.PET	0.679957102	0.860751841	0.715371306
## Shade_cooc.L.PET	0.292524094	0.313909676	0.289489176
## Prominence_cooc.L.PET	0.466119143	0.717263589	0.613126780
## IC1_.L.PET	-0.303974503	-0.589449913	-0.532980960
## IC2_.L.PET	0.858210023	0.832421771	0.748390871
## Coarseness_vdif_.L.PET	0.386380224	0.534260699	0.546875178
## Contrast_vdif_.L.PET	0.155051152	0.609508029	0.588440947
## Busyness_vdif_.L.PET	0.313877951	-0.108088422	-0.060818826
## Complexity_vdif_.L.PET	0.684947095	0.955675862	0.905273817
## Strength_vdif_.L.PET	0.175797030	0.541487280	0.559057257
## SRE_align.L.PET	0.981041433	0.774084830	0.684086383
## LRE_align.L.PET	0.966330063	0.686668482	0.613094671
## GLNU_align.L.PET	0.242032703	-0.208051248	-0.127306419
## RLNU_align.L.PET	0.254407462	-0.167267413	-0.166703337
## RP_align.L.PET	0.981354417	0.779091121	0.687973064
## LGRE_align.L.PET	0.507545463	0.400060635	0.507090480
## HGRE_align.L.PET	0.677336245	0.828818632	0.668789259
## LGSRE_align.L.PET	0.513586000	0.411959152	0.515477174
## HGSRE_align.L.PET	0.674830450	0.834034787	0.675747860
## LGHRE_align.L.PET	0.480786923	0.348934690	0.470589886
## HGLRE_align.L.PET	0.685508848	0.804795695	0.638369801
## GLNU_norm_align.L.PET	0.566635999	0.460685338	0.531342584
## RLNU_norm_align.L.PET	0.981648400	0.795935499	0.701477907
## GLVAR_align.L.PET	0.703392614	0.943779443	0.806885373
## RLVAR_align.L.PET	0.555246121	0.218479090	0.278011497
## Entropy_align.L.PET	0.997929349	0.762804720	0.639624531
## SZSE.L.PET	0.960195024	0.786193337	0.697077554
## LZSE.L.PET	0.662020459	0.341255192	0.314253962
## LGLZE.L.PET	0.518914556	0.413184321	0.516248387
## HGLZE.L.PET	0.685363850	0.840189189	0.683545862
## SZLGE.L.PET	0.531509209	0.450526865	0.542391692
## SZHGE.L.PET	0.675805281	0.852326401	0.705600119
## LZLGE.L.PET	0.383434065	0.183763299	0.337730835
## LZHGE.L.PET	0.573977134	0.603609334	0.445794184
## GLNU_area.L.PET	0.248429412	-0.196584013	-0.127847420
## ZSNU.L.PET	0.261617591	-0.148629769	-0.159592681
## ZSP.L.PET	0.969387238	0.810435409	0.715283911
## GLNU_norm.L.PET	0.568422420	0.460633916	0.528523377
## ZSNU_norm.L.PET	0.973481728	0.834753394	0.736966491
## GLVAR_area.L.PET	0.712769345	0.949358540	0.814817733
## ZSVAR.L.PET	0.378814286	-0.037545824	0.036334442
## Entropy_area.L.PET	0.995849520	0.734869963	0.617318207
## Max_cooc.H.PET	0.227261041	0.268954258	0.238622871
## Average_cooc.H.PET	0.944155821	0.770222915	0.673598863
## Variance_cooc.H.PET	0.884018013	0.627096378	0.541825609
## Entropy_cooc.H.PET	0.836339914	0.648627153	0.643524433
## DAVE_cooc.H.PET	0.892580515	0.812243957	0.744030850
## DVAR_cooc.H.PET	0.872444101	0.790009320	0.705863956
## DENT_cooc.H.PET	0.790003387	0.516002771	0.409497634
## SAVE_cooc.H.PET	0.962910603	0.750748952	0.640510530
## SVAR_cooc.H.PET	0.862062996	0.496362151	0.369871314
## SENT_cooc.H.PET	0.676982083	0.549285456	0.550561770

## ASM_cooc.H.PET	0.217567441	0.250282296	0.226741899
## Contrast_cooc.H.PET	0.808666373	0.794278135	0.732433269
## Dissimilarity_cooc.H.PET	0.892580515	0.812243957	0.744030850
## Inv_diff_cooc.H.PET	0.612903096	0.435589254	0.349349149
## Inv_diff_norm_cooc.H.PET	0.970562949	0.730008067	0.641464642
## IDM_cooc.H.PET	0.505381095	0.361787293	0.281081220
## IDM_norm_cooc.H.PET	0.976035553	0.741075532	0.653488412
## Inv_var_cooc_.H.PET	0.529081158	0.362440381	0.420708866
## Correlation_cooc.H.PET	0.655115893	0.143451142	0.054730175
## Autocorrelation_cooc.H.PET	0.876938421	0.725990291	0.626478977
## Tendency_cooc.H.PET	0.845675812	0.480701204	0.390389412
## Shade_cooc.H.PET	-0.456329053	-0.240157395	-0.137821274
## Prominence_cooc.H.PET	0.648360367	0.272165722	0.198714315
## IC1_d.H.PET	-0.123629961	0.231871894	0.334740414
## IC2_d.H.PET	0.758195456	0.306191462	0.223555406
## Coarseness_vdif.H.PET	0.352923012	0.379154124	0.421713693
## Contrast_vdif.H.PET	0.251060562	0.414394447	0.333761013
## Busyness_vdif.H.PET	0.156138547	-0.060085588	-0.132360782
## Complexity_vdif.H.PET	0.629697294	0.714929488	0.706307450
## Strength_vdif.H.PET	-0.027850617	0.108505641	0.139722436
## SRE_align.H.PET	0.962249700	0.771699386	0.705519816
## LRE_align.H.PET	0.609578000	0.383556276	0.266728877
## RLNU_align.H.PET	0.256042639	-0.139421238	-0.131682470
## RP_align.H.PET	0.951551373	0.777362159	0.716155077
## LGRE_align.H.PET	0.388213077	0.357753872	0.394233364
## HGRE_align.H.PET	0.877847150	0.727466048	0.636655049
## LGSRE_align.H.PET	0.385670674	0.357384681	0.394298797
## HGSRE_align.H.PET	0.926248153	0.799595031	0.731877793
## LGHRE_align.H.PET	0.401690828	0.357031281	0.390060980
## HGLRE_align.H.PET	0.410065755	0.252047800	0.145218000
## GLNU_norm_align.H.PET	0.437349195	0.462961480	0.402870893
## RLNU_norm_align.H.PET	0.908584379	0.761258877	0.714640210
## GLVAR_align.H.PET	0.856975376	0.570661364	0.482166284
## RLVAR_align.H.PET	0.258823417	0.058005200	-0.040036779
## Entropy_align.H.PET	0.919043822	0.574288737	0.496630934
## SZSE.H.PET	0.856033951	0.669858517	0.643492950
## LZSE.H.PET	-0.055958420	-0.112266335	-0.139807143
## LGLZE.H.PET	0.389604959	0.356918844	0.392158294
## HGLZE.H.PET	0.836283002	0.613267436	0.525425595
## SZLGE.H.PET	0.382397260	0.355581169	0.392830949
## SZHGE.H.PET	0.791176485	0.682720656	0.693048229
## LZLGE.H.PET	-0.003534412	-0.091273493	-0.129902239
## LZHGE.H.PET	-0.050458122	-0.101073233	-0.133762385
## GLNU_area.H.PET	0.284678941	-0.130628068	-0.109497480
## ZSNU.H.PET	0.232004846	-0.108722129	-0.102712893
## ZSP.H.PET	0.689525409	0.592276438	0.596034556
## GLNU_norm.H.PET	0.464170856	0.486122093	0.402558640
## ZSNU_norm.H.PET	0.733953709	0.591501514	0.590922366
## GLVAR_area.H.PET	0.838039072	0.542917620	0.454923319
## ZSVAR_H.PET	-0.055151395	-0.113996472	-0.146641655
## Entropy_area.H.PET	0.955241206	0.597572477	0.505372873
## Max_cooc.W.PET	0.256250028	0.310845991	0.310484198
## Average_cooc.W.PET	0.572801796	0.324187359	0.287687677
## Variance_cooc.W.PET	0.287002241	0.123759321	0.167388767

## Entropy_cooc.W.PET	0.879673591	0.608965417	0.553591402
## DAVE_cooc.W.PET	0.587278442	0.477928543	0.471770024
## DVAR_cooc.W.PET	0.326539626	0.229878003	0.264166967
## DENT_cooc.W.PET	0.856533861	0.658063494	0.617934630
## SAVE_cooc.W.PET	0.572208241	0.323555039	0.286963618
## SVAR_cooc.W.PET	0.256187519	0.061505413	0.111640495
## SENT_cooc.W.PET	0.897386608	0.638884853	0.587103643
## ASM_cooc.W.PET	0.295414589	0.323036389	0.333864639
## Contrast_cooc.W.PET	0.341611508	0.275276045	0.297923498
## Dissimilarity_cooc.W.PET	0.587278442	0.477928543	0.471770024
## Inv_diff_cooc.W.PET	0.698642310	0.525573515	0.428725844
## Inv_diff_norm_cooc.W.PET	0.969558039	0.687942237	0.609468119
## IDM_cooc.W.PET	0.560231145	0.416039811	0.324025449
## IDM_norm_cooc.W.PET	0.976935541	0.718262496	0.633864660
## Inv_var_cooc.W.PET	0.633122328	0.469050339	0.373951978
## Correlation_cooc.W.PET	0.645235470	0.129114501	0.037876327
## Autocorrelation_cooc.W.PET	0.303100778	0.079754735	0.070267299
## Tendency_cooc.W.PET	0.256187519	0.061505413	0.111640495
## Shade_cooc.W.PET	0.030624993	-0.087288688	0.027794582
## Prominence_cooc.W.PET	0.008317322	-0.110220251	-0.017875074
## IC1_d.W.PET	-0.141310636	0.145685815	0.241964066
## IC2_d.W.PET	0.817766435	0.458856129	0.380741935
## Coarseness_vdif.W.PET	0.345618258	0.564385887	0.581136353
## Contrast_vdif.W.PET	0.505618715	0.659978751	0.641984830
## Busyness_vdif.W.PET	0.261940713	0.110011947	-0.018216146
## Complexity_vdif.W.PET	0.169915975	-0.054144312	0.034511330
## Strength_vdif.W.PET	0.176945553	0.230283041	0.326284164
## SRE_align.W.PET	0.977679229	0.769370666	0.692357503
## LRE_align.W.PET	0.838964936	0.585414354	0.468638089
## GLNU_align.W.PET	0.263218793	-0.197258743	-0.187879383
## RLNU_align.W.PET	0.253784028	-0.155829154	-0.146439509
## RP_align.W.PET	0.974335706	0.773339725	0.699415891
## LGRE_align.W.PET	0.412154519	0.460288528	0.424595682
## HGRE_align.W.PET	0.305981267	0.083387995	0.077168599
## LGSRE_align.W.PET	0.447254506	0.501622500	0.467629153
## HGSRE_align.W.PET	0.301136374	0.084756854	0.080766908
## LGHRE_align.W.PET	0.261874203	0.276759789	0.237378829
## HGLRE_align.W.PET	0.325295059	0.075147871	0.059250223
## GLNU_norm_align.W.PET	0.429854972	0.467688566	0.424934733
## RLNU_norm_align.W.PET	0.959865468	0.771875213	0.707615443
## GLVAR_align.W.PET	0.291231050	0.101030973	0.136819802
## RLVAR_align.W.PET	0.321496626	0.134590401	0.045709290
## Entropy_align.W.PET	0.920404351	0.597959315	0.525158525
## SZSE.W.PET	0.929296530	0.747430515	0.694514936
## LZSE.W.PET	0.114826119	0.033333724	-0.046333316
## LGLZE.W.PET	0.445594827	0.467036759	0.416102679
## HGLZE.W.PET	0.306722783	0.085603735	0.086097952
## SZLGE.W.PET	0.519155490	0.538163926	0.496018314
## SZHGE.W.PET	0.291697339	0.088690746	0.096906441
## LZLGE.W.PET	-0.023278138	-0.027814157	-0.050624116
## LZHGE.W.PET	0.351628512	0.019983566	-0.055965125
## GLNU_area.W.PET	0.279123553	-0.166805168	-0.150988781
## ZSNU.W.PET	0.245466574	-0.130060887	-0.119542657
## ZSP.W.PET	0.869144364	0.712778462	0.682338950

## GLNU_norm.W.PET	0.455221900	0.484442859	0.428570243
## ZSNU_norm.W.PET	0.862174613	0.709351074	0.680520350
## GLVAR_area.W.PET	0.292838878	0.098436727	0.137343362
## ZSVAR.W.PET	0.029875722	-0.030325483	-0.094945358
## Entropy_area.W.PET	0.952772902	0.608486802	0.521699658
## Min_hist.ADC	0.305481131	0.385737188	0.378671643
## Max_hist.ADC	0.851646500	0.571393990	0.505950624
## Mean_hist.ADC	0.820187532	0.672302848	0.629103847
## Variance_hist.ADC	0.413782071	0.197915219	0.159290550
## Standard_Deviation_hist.ADC	0.691555697	0.446150495	0.373805875
## Skewness_hist.ADC	0.256477608	0.098012981	0.035570462
## Kurtosis_hist.ADC	0.276652126	0.141995627	0.172641415
## Energy_hist.ADC	0.379231475	0.385796373	0.418353508
## Entropy_hist.ADC	0.940817514	0.639101241	0.549473333
## AUC_hist.ADC	0.963588711	0.723931850	0.633101994
## Volume.ADC	0.335086594	-0.039393016	-0.100054491
## X3D_surface.ADC	0.437890591	0.102702637	0.034890656
## ratio_3ds_vol.ADC	0.602190962	0.679221506	0.624985589
## ratio_3ds_vol_norm.ADC	0.916862958	0.655055227	0.567615548
## irregularity.ADC	0.939254317	0.796312982	0.708578347
## Compactness_v1.ADC	0.631478939	0.569676904	0.566885492
##	DENT_cooc.L.PET	SAVE_cooc.L.PET	SVAR_cooc.L.PET
## Failure	0.033765716	0.0826156715	0.1114961637
## Entropy_cooc.W.ADC	-0.033897195	-0.0510299431	-0.1187634176
## GLNU_align.H.PET	-0.115453927	-0.1494372577	-0.2017104419
## Min_hist.PET	0.533875969	0.4420827738	0.2675315731
## Max_hist.PET	0.478309511	0.3306216743	0.1000900657
## Mean_hist.PET	0.521075197	0.4546928838	0.2265228391
## Variance_hist.PET	0.235206814	0.1867251819	0.0488122760
## Standard_Deviation_hist.PET	0.509944737	0.4120154923	0.2152812243
## Skewness_hist.PET	0.451561460	0.0569803064	0.2028598542
## Kurtosis_hist.PET	0.017373755	-0.2743200643	-0.2541048850
## Energy_hist.PET	0.431995472	0.3831654948	0.3602629948
## Entropy_hist.PET	0.790090002	0.6070830149	0.3865137725
## AUC_hist.PET	0.958375967	0.7874399287	0.6361971607
## H_suv.PET	0.581953795	0.5100714354	0.3042535504
## Volume.PET	0.224918753	0.0851633547	-0.1629224084
## X3D_surface.PET	0.107777561	0.0329738761	-0.0976408280
## ratio_3ds_vol.PET	0.601748624	0.4928851969	0.6065382699
## ratio_3ds_vol_norm.PET	0.501032906	0.3599927355	0.3740042861
## irregularity.PET	0.962709397	0.8053671755	0.7193855273
## tumor_length.PET	0.469667659	0.3294007881	0.1433596998
## Compactness_v1.PET	0.507302960	0.4224959990	0.2878486467
## Compactness_v2.PET	0.213553792	0.1622328804	-0.0215614813
## Spherical_disproportion.PET	0.501032906	0.3599927355	0.3740042861
## Sphericity.PET	0.224889027	0.1633420587	-0.0121370520
## Asphericity.PET	0.478532558	0.3401131927	0.3594522183
## Center_of_mass.PET	0.261836608	0.1303713022	0.1294288068
## Max_3D_diam.PET	0.344361203	0.2013060874	-0.0552582514
## Major_axis_length.PET	0.390330465	0.2568255897	0.0008067448
## Minor_axis_length.PET	0.520065216	0.3415198914	0.0995480629
## Least_axis_length.PET	0.425225595	0.2944579998	0.0566212023
## Elongation.PET	0.836687099	0.7136883710	0.6050504344
## Flatness.PET	0.764629586	0.6859262804	0.5731789591

## Max_cooc.L.PET	0.427405442	0.3472060879	0.3008217316
## Average_cooc.L.PET	0.890447764	0.9999993278	0.8404960632
## Variance_cooc.L.PET	0.790187425	0.8484703812	0.9677775939
## Entropy_cooc.L.PET	0.970142724	0.8538831779	0.6799571023
## DAVE_cooc.L.PET	0.886025073	0.8807608744	0.8607518413
## DVAR_cooc.L.PET	0.774333016	0.7122373709	0.7153713065
## DENT_cooc.L.PET	1.000000000	0.8903364372	0.7723373534
## SAVE_cooc.L.PET	0.890336437	1.0000000000	0.8404955182
## SVAR_cooc.L.PET	0.772337353	0.8404955182	1.0000000000
## SENT_cooc.L.PET	0.971977366	0.8617706379	0.7498876403
## ASM_cooc.L.PET	0.400891421	0.3363332203	0.2838467510
## Contrast_cooc.L.PET	0.712116804	0.7468927190	0.7863266485
## Dissimilarity_cooc.L.PET	0.886025073	0.8807608744	0.8607518413
## Inv_diff_cooc.L.PET	0.708417572	0.4683028004	0.2731708410
## Inv_diff_norm_cooc.L.PET	0.940226975	0.7632873689	0.5922296419
## IDM_cooc.L.PET	0.599797818	0.3519719035	0.1661952181
## IDM_norm_cooc.L.PET	0.954750673	0.7871792354	0.6219444358
## Inv_var_cooc.L.PET	0.604658938	0.3564677726	0.1720446669
## Correlation_cooc.L.PET	0.513601246	0.3989736899	0.3566501678
## Autocorrelation_cooc.L.PET	0.713099926	0.9466890968	0.8390404272
## Tendency_cooc.L.PET	0.772337353	0.8404955182	1.0000000000
## Shade_cooc.L.PET	0.350389589	0.1207577015	0.5152741888
## Prominence_cooc.L.PET	0.583164052	0.6257745281	0.9382549936
## IC1_.L.PET	-0.450585780	-0.4957333569	-0.6833276456
## IC2_.L.PET	0.919188587	0.8306278697	0.8191163391
## Coarseness_vdif_.L.PET	0.494158982	0.4838255430	0.4979587377
## Contrast_vdif_.L.PET	0.344748979	0.3671967932	0.4381363539
## Busyness_vdif_.L.PET	0.184585416	-0.0011565660	-0.1714001525
## Complexity_vdif_.L.PET	0.830293405	0.7506279964	0.7488556688
## Strength_vdif_.L.PET	0.374522475	0.3082450516	0.5263702260
## SRE_align.L.PET	0.975976730	0.8226227140	0.6710755210
## LRE_align.L.PET	0.938023440	0.7620210337	0.5891270761
## GLNU_align.L.PET	0.102595754	-0.0533527774	-0.2502679775
## RLNU_align.L.PET	0.110572396	0.0227629461	-0.1950350231
## RP_align.L.PET	0.977763881	0.8260602034	0.6759008515
## LGRE_align.L.PET	0.555493879	0.2435084889	0.3157453419
## HGRE_align.L.PET	0.739387026	0.9556319368	0.8226215941
## LGSRE_align.L.PET	0.563220426	0.2551965265	0.3264262184
## HGSRE_align.L.PET	0.739869768	0.9544386942	0.8259758999
## LGHRE_align.L.PET	0.521084799	0.1951373502	0.2694437991
## HGLRE_align.L.PET	0.735064248	0.9572041534	0.8058752154
## GLNU_norm_align.L.PET	0.606603089	0.4113202962	0.3566807129
## RLNU_norm_align.L.PET	0.983114543	0.8371588748	0.6919491066
## GLVAR_align.L.PET	0.810797309	0.9052451135	0.9619583857
## RLVAR_align.L.PET	0.499422304	0.3207272324	0.1548023008
## Entropy_align.L.PET	0.969821138	0.8618330194	0.6821832817
## SZSE.L.PET	0.964597187	0.8208884908	0.6808100192
## LZSE.L.PET	0.602222750	0.4452279345	0.2834051053
## LGLZE.L.PET	0.567373356	0.2610749744	0.3220884517
## HGLZE.L.PET	0.750024151	0.9584841935	0.8280647250
## SZLGE.L.PET	0.587019891	0.2978608749	0.3523505350
## SZHGE.L.PET	0.749593946	0.9459311174	0.8293855422
## LZLGE.L.PET	0.393821140	0.0603352736	0.1278785937
## LZHGE.L.PET	0.587405662	0.7911895081	0.6315420466

## GLNU_area.L.PET	0.109384017	-0.0407660733	-0.2388838463
## ZSNU.L.PET	0.119979699	0.0401800453	-0.1791574239
## ZSP.L.PET	0.979005706	0.8405526195	0.7041744511
## GLNU_norm.L.PET	0.606975984	0.4137140325	0.3560979717
## ZSNU_norm.L.PET	0.989714974	0.8600146858	0.7248676679
## GLVAR_area.L.PET	0.820335081	0.9092117776	0.9586129579
## ZSVAR.L.PET	0.278285907	0.0960586317	-0.0766236725
## Entropy_area.L.PET	0.959561363	0.8404289656	0.6552999650
## Max_cooc.H.PET	0.298332468	0.2239921010	0.3732503620
## Average_cooc.H.PET	0.955445437	0.7983940606	0.7061019720
## Variance_cooc.H.PET	0.831788896	0.7708582806	0.4667136282
## Entropy_cooc.H.PET	0.822143292	0.6610714845	0.5218942374
## DAVE_cooc.H.PET	0.908766270	0.8089862796	0.5631040616
## DVAR_cooc.H.PET	0.886115648	0.8308738661	0.5379509979
## DENT_cooc.H.PET	0.736017058	0.5664585023	0.3833397370
## SAVE_cooc.H.PET	0.956777036	0.8006527665	0.6825770991
## SVAR_cooc.H.PET	0.778364436	0.6866409699	0.4214628706
## SENT_cooc.H.PET	0.673779187	0.5870580809	0.4613360127
## ASM_cooc.H.PET	0.278849034	0.2342329214	0.3346887046
## Contrast_cooc.H.PET	0.836975489	0.7796582416	0.4987365171
## Dissimilarity_cooc.H.PET	0.908766270	0.8089862796	0.5631040616
## Inv_diff_cooc.H.PET	0.617703173	0.5051079673	0.5270331019
## Inv_diff_norm_cooc.H.PET	0.956951365	0.7932883171	0.6570578832
## IDM_cooc.H.PET	0.516697140	0.4230783829	0.4726159933
## IDM_norm_cooc.H.PET	0.963222084	0.8001938517	0.6563564124
## Inv_var_cooc_.H.PET	0.526015604	0.3785080028	0.2954084009
## Correlation_cooc.H.PET	0.522368963	0.4207147543	0.3427833067
## Autocorrelation_cooc.H.PET	0.897583393	0.7509001115	0.7113176031
## Tendency_cooc.H.PET	0.754602526	0.6971728329	0.4076687133
## Shade_cooc.H.PET	-0.380982604	-0.5199233345	-0.1407133117
## Prominence_cooc.H.PET	0.531546568	0.5393466980	0.1939101209
## IC1_d.H.PET	-0.006754174	0.0008465405	-0.0933369411
## IC2_d.H.PET	0.658170090	0.5238742561	0.4395462206
## Coarseness_vdif.H.PET	0.407878467	0.3533158025	0.3168492946
## Contrast_vdif.H.PET	0.336438315	0.4664498466	0.4484149517
## Busyness_vdif.H.PET	0.084852975	-0.0224380835	-0.1259245028
## Complexity_vdif.H.PET	0.700675906	0.6705421317	0.5516481692
## Strength_vdif.H.PET	0.047590964	0.0119067596	0.1106566307
## SRE_align.H.PET	0.958247029	0.7994105070	0.6177118090
## LRE_align.H.PET	0.582794172	0.4900499555	0.4851649602
## RLNU_align.H.PET	0.120984901	0.0382323177	-0.1849113366
## RP_align.H.PET	0.952085505	0.7978006335	0.6137857659
## LGRE_align.H.PET	0.419783456	0.3728948271	0.2885245879
## HGRE_align.H.PET	0.901229839	0.7405211323	0.6793800552
## LGSRE_align.H.PET	0.417899257	0.3710392371	0.2878906835
## HGSRE_align.H.PET	0.959246158	0.7716674280	0.6795245232
## LGHRE_align.H.PET	0.428858547	0.3817061757	0.2921360245
## HGLRE_align.H.PET	0.394308227	0.3548658282	0.3965533952
## GLNU_norm_align.H.PET	0.508386223	0.4124234147	0.5274257308
## RLNU_norm_align.H.PET	0.912427867	0.7650214896	0.5704612046
## GLVAR_align.H.PET	0.790100737	0.7435653853	0.4100433914
## RLVAR_align.H.PET	0.215335890	0.1796416597	0.2447898115
## Entropy_align.H.PET	0.847119631	0.7086793565	0.4641047722
## SZSE.H.PET	0.844207832	0.6753693854	0.4794642253

## LZSE.H.PET	-0.080441448	-0.0645577574	0.0461119984
## LGLZE.H.PET	0.420213047	0.3762452790	0.2877166509
## HGLZE.H.PET	0.830664221	0.5961433464	0.5780518954
## SZLGE.H.PET	0.415074770	0.3691254630	0.2862231747
## SZHGE.H.PET	0.826350501	0.5714086295	0.4984999036
## LZLGE.H.PET	-0.032893087	-0.0059227942	0.0802777475
## LZHGE.H.PET	-0.069974427	-0.0381352000	0.0642835815
## GLNU_area.H.PET	0.148077437	0.0244367250	-0.1866427471
## ZSNU.H.PET	0.113404488	0.0501841801	-0.1650317650
## ZSP.H.PET	0.692099126	0.5627347679	0.3674158017
## GLNU_norm.H.PET	0.525752490	0.4773639785	0.5818945686
## ZSNU_norm.H.PET	0.728013897	0.5748198930	0.3840779194
## GLVAR_area.H.PET	0.766489497	0.7121225457	0.3697360409
## ZSVAR_H.PET	-0.078965802	-0.0520020584	0.0493416178
## Entropy_area.H.PET	0.885057925	0.7277505063	0.4924062412
## Max_cooc.W.PET	0.333366031	0.2611773452	0.3500467891
## Average_cooc.W.PET	0.501909535	0.4730014342	0.1921769073
## Variance_cooc.W.PET	0.241874825	0.1786149455	0.0796379160
## Entropy_cooc.W.PET	0.829622414	0.6877854673	0.4517004877
## DAVE_cooc.W.PET	0.572646239	0.4794685414	0.2918588518
## DVAR_cooc.W.PET	0.305434695	0.2395963989	0.1088684020
## DENT_cooc.W.PET	0.834964220	0.6802241816	0.4730174230
## SAVE_cooc.W.PET	0.501219488	0.4724162337	0.1916382380
## SVAR_cooc.W.PET	0.200392385	0.1358606061	0.0554823880
## SENT_cooc.W.PET	0.860782607	0.7107297172	0.5223725539
## ASM_cooc.W.PET	0.357961520	0.3049658192	0.3427140880
## Contrast_cooc.W.PET	0.328396437	0.2741849150	0.1354160100
## Dissimilarity_cooc.W.PET	0.572646239	0.4794685414	0.2918588518
## Inv_diff_cooc.W.PET	0.704891102	0.5965334845	0.5747422116
## Inv_diff_norm_cooc.W.PET	0.941184606	0.7652642526	0.5959721152
## IDM_cooc.W.PET	0.570838292	0.4881980134	0.5070663566
## IDM_norm_cooc.W.PET	0.955273165	0.7880719743	0.6231023061
## Inv_var_cooc.W.PET	0.637960746	0.5497461466	0.5409259367
## Correlation_cooc.W.PET	0.512044461	0.3954517293	0.3491913460
## Autocorrelation_cooc.W.PET	0.227196645	0.2403908043	0.0045414050
## Tendency_cooc.W.PET	0.200392385	0.1358606061	0.0554823880
## Shade_cooc.W.PET	0.001149363	-0.0889256316	-0.0129639572
## Prominence_cooc.W.PET	-0.028949245	-0.0725655239	-0.0542756900
## IC1_d.W.PET	-0.054806316	-0.0428848757	-0.1624043079
## IC2_d.W.PET	0.758157838	0.6165630771	0.5396788306
## Coarseness_vdif.W.PET	0.479366672	0.4884874178	0.5113317440
## Contrast_vdif.W.PET	0.580113148	0.5550035941	0.4869965257
## Busyness_vdif.W.PET	0.210952444	0.1685664127	0.3048954210
## Complexity_vdif.W.PET	0.104463721	0.0257488164	-0.1032570094
## Strength_vdif.W.PET	0.252114933	0.0948809365	0.2451018721
## SRE_align.W.PET	0.970513865	0.8103406237	0.6419699679
## LRE_align.W.PET	0.814998675	0.6893133130	0.6124122872
## GLNU_align.W.PET	0.116019210	-0.0295338697	-0.2007129867
## RLNU_align.W.PET	0.114611335	0.0266317138	-0.1930538220
## RP_align.W.PET	0.969078516	0.8099932431	0.6385179065
## LGRE_align.W.PET	0.495261408	0.3266566872	0.5210266112
## HGRE_align.W.PET	0.230218586	0.2353905725	-0.0078489348
## LGSRE_align.W.PET	0.534170833	0.3587295625	0.5468496901
## HGSRE_align.W.PET	0.227665293	0.2310138496	-0.0074212533

## LGHRE_align.W.PET	0.321202601	0.1891656776	0.3955468521
## HGLRE_align.W.PET	0.239314620	0.2523700883	-0.0106819893
## GLNU_norm_align.W.PET	0.507917327	0.4090618678	0.5152216794
## RLNU_norm_align.W.PET	0.956143347	0.7973936324	0.6172426093
## GLVAR_align.W.PET	0.234038278	0.1846651380	0.0451167916
## RLVAR_align.W.PET	0.291793011	0.2516043959	0.3049938019
## Entropy_align.W.PET	0.856314545	0.7165570263	0.4708109405
## SZSE.W.PET	0.928261027	0.7632242640	0.5813521712
## LZSE.W.PET	0.102186217	0.1257066326	0.2243370550
## LGLZE.W.PET	0.516107639	0.3616134338	0.5291358162
## HGLZE.W.PET	0.233229164	0.2291694747	-0.0047543749
## SZLGE.W.PET	0.592784239	0.4169214938	0.5512157720
## SZHGE.W.PET	0.225553006	0.2150080003	-0.0019487423
## LZLGE.W.PET	-0.010948236	-0.0283173055	0.1329533666
## LZHGE.W.PET	0.233952520	0.2960558632	0.0146053541
## GLNU_area.W.PET	0.135364196	-0.0036600157	-0.1959407631
## ZSNU.W.PET	0.116912957	0.0392538354	-0.1783749675
## ZSP.W.PET	0.868781577	0.7108180321	0.5090906059
## GLNU_norm.W.PET	0.527742565	0.4521898057	0.5454411735
## ZSNU_norm.W.PET	0.865482950	0.7016976856	0.5022616359
## GLVAR_area.W.PET	0.235400388	0.1807062129	0.0394695806
## ZSVAR.W.PET	0.017947045	0.0523195540	0.1556173151
## Entropy_area.W.PET	0.884688032	0.7353690042	0.5052716207
## Min_hist.ADC	0.370074722	0.4063996908	0.4136992086
## Max_hist.ADC	0.820305836	0.6164406723	0.4386685729
## Mean_hist.ADC	0.844809654	0.6675095331	0.5554855144
## Variance_hist.ADC	0.379313339	0.2179261569	0.1107991400
## Standard_Deviation_hist.ADC	0.663362006	0.4789297537	0.3358372431
## Skewness_hist.ADC	0.202082384	0.2224053852	0.1371234898
## Kurtosis_hist.ADC	0.249186571	0.1603288840	0.1570206130
## Energy_hist.ADC	0.425045682	0.3772385659	0.3324674124
## Entropy_hist.ADC	0.897159525	0.7179864374	0.5304054174
## AUC_hist.ADC	0.942707951	0.7984752974	0.6165550846
## Volume.ADC	0.219637379	0.0829567227	-0.1552363979
## X3D_surface.ADC	0.343231293	0.1925512559	0.0088171067
## ratio_3ds_vol.ADC	0.685303084	0.6413236789	0.6265344726
## ratio_3ds_vol_norm.ADC	0.892763749	0.6990098732	0.5279682942
## irregularity.ADC	0.954046123	0.8313632401	0.6906123039
## Compactness_v1.ADC	0.664149741	0.5881880948	0.5044884875
##	SENT_cooc.L.PET	ASM_cooc.L.PET	Contrast_cooc.L.PET
## Failure	0.032058096	0.0482256479	1.254904e-01
## Entropy_cooc.W.ADC	0.027359140	-0.0190941005	-1.971707e-01
## GLNU_align.H.PET	-0.050308579	0.0538165190	-2.602121e-01
## Min_hist.PET	0.495175971	0.1025477514	3.104089e-01
## Max_hist.PET	0.474602686	0.1228061828	9.923736e-02
## Mean_hist.PET	0.490193645	0.0977855205	2.552488e-01
## Variance_hist.PET	0.231445422	0.0338398193	2.866523e-02
## Standard_Deviation_hist.PET	0.498200568	0.1392564753	2.006104e-01
## Skewness_hist.PET	0.470307870	0.3131865176	1.481155e-01
## Kurtosis_hist.PET	0.050472706	0.1758256903	-2.181187e-01
## Energy_hist.PET	0.499759198	0.9835217875	4.115728e-01
## Entropy_hist.PET	0.817513311	0.2745937446	2.460027e-01
## AUC_hist.PET	0.970955894	0.4866267608	5.291929e-01
## H_suv.PET	0.550029492	0.2379649052	3.941613e-01

## Volume.PET	0.219587161	-0.1569490223	-2.155984e-01
## X3D_surface.PET	0.194831820	0.1075388756	-2.368464e-01
## ratio_3ds_vol.PET	0.664957928	0.6390875055	6.017535e-01
## ratio_3ds_vol_norm.PET	0.643687719	0.6374621140	1.914080e-01
## irregularity.PET	0.956548704	0.4530667851	6.364628e-01
## tumor_length.PET	0.560383479	0.3195583250	-6.901959e-02
## Compactness_v1.PET	0.530664449	0.9144210313	3.030325e-01
## Compactness_v2.PET	0.064688152	-0.2682743945	-1.040739e-02
## Spherical_disproportion.PET	0.643687719	0.6374621140	1.914080e-01
## Sphericity.PET	0.070905615	-0.4146127115	8.585278e-03
## Asphericity.PET	0.623715823	0.6360181437	1.772377e-01
## Center_of_mass.PET	0.345108344	0.1664525336	-1.320196e-01
## Max_3D_diam.PET	0.333520222	-0.1659279024	-1.913074e-01
## Major_axis_length.PET	0.406529555	-0.0305041307	-1.469559e-01
## Minor_axis_length.PET	0.570298218	0.1382319210	-8.288599e-02
## Least_axis_length.PET	0.467083442	0.0155137012	-1.458894e-01
## Elongation.PET	0.862417334	0.4864001007	5.435873e-01
## Flatness.PET	0.790590526	0.3809523330	4.577500e-01
## Max_cooc.L.PET	0.509626265	0.9959491469	3.063909e-01
## Average_cooc.L.PET	0.861997178	0.3374240378	7.469393e-01
## Variance_cooc.L.PET	0.734772311	0.3031641407	9.165581e-01
## Entropy_cooc.L.PET	0.964316020	0.3598146974	5.425308e-01
## DAVE_cooc.L.PET	0.808673944	0.3479328636	9.518343e-01
## DVAR_cooc.L.PET	0.699234521	0.3946644083	8.832431e-01
## DENT_cooc.L.PET	0.971977366	0.4008914205	7.121168e-01
## SAVE_cooc.L.PET	0.861770638	0.3363332203	7.468927e-01
## SVAR_cooc.L.PET	0.749887640	0.2838467510	7.863266e-01
## SENT_cooc.L.PET	1.000000000	0.4848926359	6.117754e-01
## ASM_cooc.L.PET	0.484892636	1.0000000000	2.927498e-01
## Contrast_cooc.L.PET	0.611775448	0.2927497767	1.000000e+00
## Dissimilarity_cooc.L.PET	0.808673944	0.3479328636	9.518343e-01
## Inv_diff_cooc.L.PET	0.785500948	0.5383876732	1.127817e-01
## Inv_diff_norm_cooc.L.PET	0.959253271	0.4453164084	4.577407e-01
## IDM_cooc.L.PET	0.694006388	0.5965518564	2.199448e-02
## IDM_norm_cooc.L.PET	0.968152109	0.4427275015	4.937678e-01
## Inv_var_cooc.L.PET	0.698439183	0.5933345764	2.024539e-02
## Correlation_cooc.L.PET	0.639353490	0.2987056476	-1.287705e-01
## Autocorrelation_cooc.L.PET	0.690613481	0.2766120746	7.079213e-01
## Tendency_cooc.L.PET	0.749887640	0.2838467510	7.863266e-01
## Shade_cooc.L.PET	0.356233179	0.1078649035	2.559436e-01
## Prominence_cooc.L.PET	0.568539307	0.2240438692	6.916273e-01
## IC1_.L.PET	-0.417275339	0.0592345362	-6.146007e-01
## IC2_.L.PET	0.935397410	0.5101443814	6.886588e-01
## Coarseness_vdif_.L.PET	0.551673738	0.9195339324	5.091899e-01
## Contrast_vdif_.L.PET	0.273141591	0.2216148012	7.559182e-01
## Busyness_vdif_.L.PET	0.213090778	-0.0418503207	-2.535777e-01
## Complexity_vdif_.L.PET	0.760497321	0.4192655780	9.433955e-01
## Strength_vdif_.L.PET	0.350028997	0.3082320146	6.158400e-01
## SRE_align.L.PET	0.978620772	0.4491362754	5.659295e-01
## LRE_align.L.PET	0.956455187	0.4320429517	4.639133e-01
## GLNU_align.L.PET	0.162435294	-0.0292557603	-3.470983e-01
## RLNU_align.L.PET	0.156607577	-0.0913392254	-3.058922e-01
## RP_align.L.PET	0.979526148	0.4492217717	5.719813e-01
## LGRE_align.L.PET	0.602017822	0.6723425538	3.054886e-01

## HGRE_align.L.PET	0.705459708	0.2899585006	7.556263e-01
## LGSRE_align.L.PET	0.609267501	0.6824546732	3.175706e-01
## HGSRE_align.L.PET	0.704381956	0.2914364242	7.635407e-01
## LGHRE_align.L.PET	0.569919708	0.6305742693	2.537446e-01
## HGLRE_align.L.PET	0.707661167	0.2827755840	7.209711e-01
## GLNU_norm_align.L.PET	0.675651259	0.9062547492	3.543979e-01
## RLNU_norm_align.L.PET	0.981857741	0.4503229914	5.927890e-01
## GLVAR_align.L.PET	0.760864930	0.3071294451	8.952076e-01
## RLVAR_align.L.PET	0.613278247	0.8258928228	5.369841e-02
## Entropy_align.L.PET	0.970045034	0.3746115591	5.404757e-01
## SZSE.L.PET	0.958763897	0.4543462415	5.895215e-01
## LZSE.L.PET	0.653530259	0.2715005403	1.602651e-01
## LGLZE.L.PET	0.615076770	0.6848720693	3.180869e-01
## HGLZE.L.PET	0.714253019	0.2924782371	7.677070e-01
## SZLGE.L.PET	0.631186055	0.7151868607	3.596561e-01
## SZHGE.L.PET	0.706777634	0.3005250084	7.885733e-01
## LZLGE.L.PET	0.453547198	0.4936967102	8.826324e-02
## LZHGE.L.PET	0.589585939	0.2031517981	5.138200e-01
## GLNU_area.L.PET	0.165061436	-0.0370721144	-3.363614e-01
## ZSNU.L.PET	0.158325605	-0.1022288580	-2.867526e-01
## ZSP.L.PET	0.969373518	0.4513527000	6.155363e-01
## GLNU_norm.L.PET	0.676528119	0.9097131260	3.535081e-01
## ZSNU_norm.L.PET	0.977148930	0.4520280754	6.451357e-01
## GLVAR_area.L.PET	0.770597282	0.3151651697	8.993843e-01
## ZSVAR.L.PET	0.385693582	0.3424419235	-1.879567e-01
## Entropy_area.L.PET	0.965273487	0.3727482505	5.067221e-01
## Max_cooc.H.PET	0.339077218	0.4077974855	2.189978e-01
## Average_cooc.H.PET	0.958529032	0.4208397295	5.700171e-01
## Variance_cooc.H.PET	0.830062789	0.3062833576	4.304865e-01
## Entropy_cooc.H.PET	0.787386319	0.2630515310	4.844107e-01
## DAVE_cooc.H.PET	0.857999294	0.3417018822	6.677143e-01
## DVAR_cooc.H.PET	0.837483290	0.3522489938	6.399926e-01
## DENT_cooc.H.PET	0.720440667	0.1956975313	3.294088e-01
## SAVE_cooc.H.PET	0.960394585	0.4002670621	5.400399e-01
## SVAR_cooc.H.PET	0.821857163	0.3154972578	2.623837e-01
## SENT_cooc.H.PET	0.757533731	0.5875296636	4.231523e-01
## ASM_cooc.H.PET	0.330889009	0.4989713398	2.006311e-01
## Contrast_cooc.H.PET	0.769001438	0.3113247783	6.827299e-01
## Dissimilarity_cooc.H.PET	0.857999294	0.3417018822	6.677143e-01
## Inv_diff_cooc.H.PET	0.681798799	0.4594767252	2.671340e-01
## Inv_diff_norm_cooc.H.PET	0.972909997	0.4569555750	5.119163e-01
## IDM_cooc.H.PET	0.584098547	0.4340102057	2.165224e-01
## IDM_norm_cooc.H.PET	0.974781838	0.4491969747	5.252141e-01
## Inv_var_cooc.H.PET	0.607972703	0.8883373670	2.454071e-01
## Correlation_cooc.H.PET	0.645378200	0.2994327015	-1.159224e-01
## Autocorrelation_cooc.H.PET	0.909991202	0.4198487379	5.357067e-01
## Tendency_cooc.H.PET	0.788803546	0.2760387981	2.557192e-01
## Shade_cooc.H.PET	-0.409632235	-0.1606037468	-1.142101e-01
## Prominence_cooc.H.PET	0.568386725	0.1629449197	8.143845e-02
## IC1_d.H.PET	-0.096382771	0.3818921957	3.678504e-01
## IC2_d.H.PET	0.760267654	0.3514208661	5.622704e-02
## Coarseness_vdif.H.PET	0.485826494	0.9953387309	3.348876e-01
## Contrast_vdif.H.PET	0.342263527	0.2631768457	3.902472e-01
## Busyness_vdif.H.PET	0.015765910	-0.4008639752	-1.413179e-01

## Complexity_vdif.H.PET	0.754811053	0.6650815659	6.502480e-01
## Strength_vdif.H.PET	0.036309533	0.1186772187	1.504543e-01
## SRE_align.H.PET	0.944909375	0.4254321724	5.800413e-01
## LRE_align.H.PET	0.643012043	0.3089762840	2.022305e-01
## RLNU_align.H.PET	0.155008691	-0.0799704203	-2.703130e-01
## RP_align.H.PET	0.933871126	0.4204141611	5.933283e-01
## LGRE_align.H.PET	0.501870322	0.9934197725	2.939315e-01
## HGRE_align.H.PET	0.906870360	0.4155327339	5.397887e-01
## LGSRE_align.H.PET	0.499677221	0.9936462319	2.945412e-01
## HGSRE_align.H.PET	0.941104997	0.4146435132	6.220447e-01
## LGHRE_align.H.PET	0.513934654	0.9923695949	2.870398e-01
## HGLRE_align.H.PET	0.456310390	0.2388312926	1.182453e-01
## GLNU_norm_align.H.PET	0.539493419	0.4497957388	3.770657e-01
## RLNU_norm_align.H.PET	0.882867199	0.3931413057	5.968013e-01
## GLVAR_align.H.PET	0.791636176	0.2831555798	3.702826e-01
## RLVAR_align.H.PET	0.303331323	0.2077673601	-6.248835e-02
## Entropy_align.H.PET	0.857493877	0.3021540785	3.474245e-01
## SZSE.H.PET	0.817708333	0.3646919130	5.069762e-01
## LZSE.H.PET	-0.037468543	-0.0642970676	-1.227643e-01
## LGLZE.H.PET	0.502593912	0.9915308136	2.923696e-01
## HGLZE.H.PET	0.839848446	0.3530714579	4.148224e-01
## SZLGE.H.PET	0.496689876	0.9924962162	2.936961e-01
## SZHGE.H.PET	0.783354655	0.3212111459	5.526172e-01
## LZLGE.H.PET	0.034841494	0.0707634355	-1.206406e-01
## LZHGE.H.PET	-0.024893711	-0.0226245253	-1.163032e-01
## GLNU_area.H.PET	0.181813620	-0.0934911737	-2.724713e-01
## ZSNU.H.PET	0.127867621	-0.0882379439	-2.218155e-01
## ZSP.H.PET	0.636236133	0.2533411408	4.854074e-01
## GLNU_norm.H.PET	0.565875283	0.4521887128	3.900010e-01
## ZSNU_norm.H.PET	0.690541282	0.2989512271	4.648695e-01
## GLVAR_area.H.PET	0.768534742	0.2718910243	3.419204e-01
## ZSVAR.H.PET	-0.032328530	-0.0410198675	-1.283487e-01
## Entropy_area.H.PET	0.902486919	0.3439624003	3.565500e-01
## Max_cooc.W.PET	0.385606224	0.6336153056	2.690077e-01
## Average_cooc.W.PET	0.485687477	0.1095388932	1.871871e-01
## Variance_cooc.W.PET	0.237365396	0.0433423876	5.588367e-02
## Entropy_cooc.W.PET	0.814361155	0.2735092101	4.149786e-01
## DAVE_cooc.W.PET	0.523480729	0.1432608397	3.813413e-01
## DVAR_cooc.W.PET	0.268035138	0.0398370003	1.763889e-01
## DENT_cooc.W.PET	0.803979162	0.2886583527	4.906833e-01
## SAVE_cooc.W.PET	0.484821398	0.1075112574	1.866350e-01
## SVAR_cooc.W.PET	0.211981687	0.0436623725	-1.141949e-02
## SENT_cooc.W.PET	0.886085585	0.4002523690	4.418605e-01
## ASM_cooc.W.PET	0.429820205	0.8094049126	2.712110e-01
## Contrast_cooc.W.PET	0.282031895	0.0373735174	2.267508e-01
## Dissimilarity_cooc.W.PET	0.523480729	0.1432608397	3.813413e-01
## Inv_diff_cooc.W.PET	0.758635818	0.4755401538	3.477270e-01
## Inv_diff_norm_cooc.W.PET	0.960267319	0.4472981909	4.612600e-01
## IDM_cooc.W.PET	0.633703901	0.4448376002	2.623254e-01
## IDM_norm_cooc.W.PET	0.968490891	0.4437128285	4.962109e-01
## Inv_var_cooc.W.PET	0.700608038	0.4776870724	3.016571e-01
## Correlation_cooc.W.PET	0.637718311	0.2966952008	-1.343028e-01
## Autocorrelation_cooc.W.PET	0.220494480	0.0012519254	-9.878458e-03
## Tendency_cooc.W.PET	0.211981687	0.0436623725	-1.141949e-02

## Shade_cooc.W.PET	0.036901763	0.0491991525	-1.059865e-01
## Prominence_cooc.W.PET	0.002535584	0.0205441633	-1.260359e-01
## IC1_d.W.PET	-0.121000050	0.4466110663	2.637284e-01
## IC2_d.W.PET	0.838794212	0.4086344950	2.290376e-01
## Coarseness_vdif.W.PET	0.520031193	0.8478734041	5.696650e-01
## Contrast_vdif.W.PET	0.517888280	0.2677147031	6.474717e-01
## Busyness_vdif.W.PET	0.234146522	-0.0921810072	-2.573685e-04
## Complexity_vdif.W.PET	0.120262862	0.0328560661	-1.177166e-01
## Strength_vdif.W.PET	0.261987131	0.2032718608	2.209854e-01
## SRE_align.W.PET	0.967079169	0.4388979573	5.662898e-01
## LRE_align.W.PET	0.860493621	0.4028329583	3.701800e-01
## GLNU_align.W.PET	0.180624731	-0.0853452561	-3.518290e-01
## RLNU_align.W.PET	0.155715889	-0.0808483533	-2.901989e-01
## RP_align.W.PET	0.962645370	0.4358685762	5.739010e-01
## LGRE_align.W.PET	0.518167104	0.4313770478	3.898233e-01
## HGRE_align.W.PET	0.219297711	-0.0059998865	-5.107758e-03
## LGSRE_align.W.PET	0.554354151	0.4618397897	4.294920e-01
## HGSRE_align.W.PET	0.215418173	-0.0073136072	-1.194372e-03
## LGHRE_align.W.PET	0.354793700	0.2947927747	2.156520e-01
## HGLRE_align.W.PET	0.234812613	-0.0009289104	-2.426928e-02
## GLNU_norm_align.W.PET	0.545265153	0.5515787864	3.890623e-01
## RLNU_norm_align.W.PET	0.942240378	0.4222342504	5.822677e-01
## GLVAR_align.W.PET	0.230308092	0.0317667349	2.566051e-02
## RLVAR_align.W.PET	0.384363693	0.3497471785	6.267982e-03
## Entropy_align.W.PET	0.859202535	0.3030528420	3.786035e-01
## SZSE.W.PET	0.908383671	0.4207156840	5.664790e-01
## LZSE.W.PET	0.163991227	0.0963148469	-3.365821e-02
## LGLZE.W.PET	0.547982593	0.4539562584	3.808475e-01
## HGLZE.W.PET	0.222147177	-0.0041007310	-2.125013e-03
## SZLGE.W.PET	0.620091320	0.5384831105	4.461657e-01
## SZHGE.W.PET	0.210262259	-0.0066953434	8.152846e-03
## LZLGE.W.PET	0.022322246	0.0201511968	-4.151283e-02
## LZHGE.W.PET	0.281753530	0.0389051843	-1.154779e-01
## GLNU_area.W.PET	0.186282915	-0.0877679632	-3.178850e-01
## ZSNU.W.PET	0.143941416	-0.0821247741	-2.540972e-01
## ZSP.W.PET	0.833615946	0.3637328630	5.561083e-01
## GLNU_norm.W.PET	0.571480353	0.5679735453	3.962485e-01
## ZSNU_norm.W.PET	0.830393470	0.3690482365	5.562375e-01
## GLVAR_area.W.PET	0.233382752	0.0372930184	2.189459e-02
## ZSVAR.W.PET	0.074817468	0.0611802950	-7.530153e-02
## Entropy_area.W.PET	0.898489549	0.3292454318	3.731645e-01
## Min_hist.ADC	0.348557989	0.1938024688	3.425748e-01
## Max_hist.ADC	0.819176923	0.3485519873	3.713163e-01
## Mean_hist.ADC	0.827537349	0.3535224394	5.085487e-01
## Variance_hist.ADC	0.394416215	0.2677068845	8.384471e-02
## Standard_Deviation_hist.ADC	0.674118405	0.3473787986	2.802294e-01
## Skewness_hist.ADC	0.231128820	0.1186893586	5.549591e-04
## Kurtosis_hist.ADC	0.279031954	0.1037235431	6.428309e-02
## Energy_hist.ADC	0.505487508	0.9930519198	3.300680e-01
## Entropy_hist.ADC	0.909311954	0.3686141632	4.149049e-01
## AUC_hist.ADC	0.951449174	0.4523203257	5.093693e-01
## Volume.ADC	0.211207088	-0.1627978989	-1.914019e-01
## X3D_surface.ADC	0.355395509	0.0855642443	-4.610927e-02
## ratio_3ds_vol.ADC	0.688625182	0.4693101067	6.036819e-01

## ratio_3ds_vol_norm.ADC	0.897721148	0.3502450561	4.460780e-01
## irregularity.ADC	0.950946759	0.4498070402	6.121370e-01
## Compactness_v1.ADC	0.727399450	0.9339686252	4.552354e-01
##	Dissimilarity_cooc.L.PET	Inv_diff_cooc.L.PET	
## Failure	0.103662829	-0.063248823	
## Entropy_cooc.W.ADC	-0.146086427	0.129914631	
## GLNU_align.H.PET	-0.226861846	0.129888739	
## Min_hist.PET	0.416361907	0.415557960	
## Max_hist.PET	0.244242782	0.581050175	
## Mean_hist.PET	0.375316097	0.442069168	
## Variance_hist.PET	0.103783818	0.285616117	
## Standard_Deviation_hist.PET	0.330818600	0.501306206	
## Skewness_hist.PET	0.251921865	0.638422697	
## Kurtosis_hist.PET	-0.172961765	0.432954982	
## Energy_hist.PET	0.436702612	0.483655839	
## Entropy_hist.PET	0.482961490	0.843500302	
## AUC_hist.PET	0.739540314	0.872383504	
## H_suv.PET	0.492074108	0.435180204	
## Volume.PET	-0.052771301	0.426303434	
## X3D_surface.PET	-0.123238244	0.406500674	
## ratio_3ds_vol.PET	0.632590652	0.455841647	
## ratio_3ds_vol_norm.PET	0.320156616	0.685173490	
## irregularity.PET	0.810522808	0.785193655	
## tumor_length.PET	0.139365316	0.755262398	
## Compactness_v1.PET	0.400004926	0.619090108	
## Compactness_v2.PET	0.081278703	0.174746882	
## Spherical_disproportion.PET	0.320156616	0.685173490	
## Sphericity.PET	0.099914410	0.132657525	
## Asphericity.PET	0.301370726	0.670081137	
## Center_of_mass.PET	0.003882214	0.535729886	
## Max_3D_diam.PET	0.008773130	0.556134978	
## Major_axis_length.PET	0.057837629	0.602807355	
## Minor_axis_length.PET	0.150243176	0.788156121	
## Least_axis_length.PET	0.072721308	0.679639339	
## Elongation.PET	0.698642997	0.739321235	
## Flatness.PET	0.614572289	0.690378524	
## Max_cooc.L.PET	0.365987662	0.567126637	
## Average_cooc.L.PET	0.880818236	0.468747227	
## Variance_cooc.L.PET	0.945107834	0.222845794	
## Entropy_cooc.L.PET	0.765651887	0.787108701	
## DAVE_cooc.L.PET	1.000000000	0.346311402	
## DVAR_cooc.L.PET	0.892571348	0.353485716	
## DENT_cooc.L.PET	0.886025073	0.708417572	
## SAVE_cooc.L.PET	0.880760874	0.468302800	
## SVAR_cooc.L.PET	0.860751841	0.273170841	
## SENT_cooc.L.PET	0.808673944	0.785500948	
## ASM_cooc.L.PET	0.347932864	0.538387673	
## Contrast_cooc.L.PET	0.951834287	0.112781742	
## Dissimilarity_cooc.L.PET	1.000000000	0.346311402	
## Inv_diff_cooc.L.PET	0.346311402	1.000000000	
## Inv_diff_norm_cooc.L.PET	0.685193240	0.900028024	
## IDM_cooc.L.PET	0.235819650	0.985312549	
## IDM_norm_cooc.L.PET	0.716561306	0.880017715	
## Inv_var_cooc.L.PET	0.237792537	0.984113839	

## Correlation_cooc.L.PET	0.133659851	0.798460420
## Autocorrelation_cooc.L.PET	0.791033720	0.243028021
## Tendency_cooc.L.PET	0.860751841	0.273170841
## Shade_cooc.L.PET	0.313909676	0.211029601
## Prominence_cooc.L.PET	0.717263589	0.118181747
## IC1_.L.PET	-0.589449913	-0.061396433
## IC2_.L.PET	0.832421771	0.688700232
## Coarseness_vdif_.L.PET	0.534260699	0.438662565
## Contrast_vdif_.L.PET	0.609508029	-0.022069213
## Busyness_vdif_.L.PET	-0.108088422	0.498410943
## Complexity_vdif_.L.PET	0.955675862	0.364618392
## Strength_vdif_.L.PET	0.541487280	0.105721270
## SRE_align.L.PET	0.774084830	0.841449477
## LRE_align.L.PET	0.686668482	0.899217954
## GLNU_align.L.PET	-0.208051248	0.508852864
## RLNU_align.L.PET	-0.167267413	0.408108006
## RP_align.L.PET	0.779091121	0.837323361
## LGRE_align.L.PET	0.400060635	0.726027710
## HGRE_align.L.PET	0.828818632	0.253002732
## LGSRE_align.L.PET	0.411959152	0.724313630
## HGSRE_align.L.PET	0.834034787	0.247947766
## LGHRE_align.L.PET	0.348934690	0.730594143
## HGLRE_align.L.PET	0.804795695	0.273270483
## GLNU_norm_align.L.PET	0.460685338	0.776118436
## RLNU_norm_align.L.PET	0.795935499	0.822527326
## GLVAR_align.L.PET	0.943779443	0.252351309
## RLVAR_align.L.PET	0.218479090	0.880130771
## Entropy_align.L.PET	0.762804720	0.801076966
## SZSE.L.PET	0.786193337	0.798511339
## LZSE.L.PET	0.341255192	0.751439564
## LGLZE.L.PET	0.413184321	0.735089914
## HGLZE.L.PET	0.840189189	0.259176250
## SZLGE.L.PET	0.450526865	0.720844210
## SZHGE.L.PET	0.852326401	0.244908159
## LZLGE.L.PET	0.183763299	0.708038332
## LZHGE.L.PET	0.603609334	0.273130655
## GLNU_area.L.PET	-0.196584013	0.495861396
## ZSNU.L.PET	-0.148629769	0.387998750
## ZSP.L.PET	0.810435409	0.787920360
## GLNU_norm.L.PET	0.460633916	0.776039568
## ZSNU_norm.L.PET	0.834753394	0.774955311
## GLVAR_area.L.PET	0.949358540	0.265461247
## ZSVAR.L.PET	-0.037545824	0.747388585
## Entropy_area.L.PET	0.734869963	0.824234672
## Max_cooc.H.PET	0.268954258	0.295405376
## Average_cooc.H.PET	0.770222915	0.807275021
## Variance_cooc.H.PET	0.627096378	0.725757110
## Entropy_cooc.H.PET	0.648627153	0.695054574
## DAVE_cooc.H.PET	0.812243957	0.642651486
## DVAR_cooc.H.PET	0.790009320	0.619261870
## DENT_cooc.H.PET	0.516002771	0.672334036
## SAVE_cooc.H.PET	0.750748952	0.822308414
## SVAR_cooc.H.PET	0.496362151	0.792656338
## SENT_cooc.H.PET	0.549285456	0.640811698

## ASM_cooc.H.PET	0.250282296	0.302953265
## Contrast_cooc.H.PET	0.794278135	0.523575625
## Dissimilarity_cooc.H.PET	0.812243957	0.642651486
## Inv_diff_cooc.H.PET	0.435589254	0.655185508
## Inv_diff_norm_cooc.H.PET	0.730008067	0.870574169
## IDM_cooc.H.PET	0.361787293	0.566141834
## IDM_norm_cooc.H.PET	0.741075532	0.865423481
## Inv_var_cooc_.H.PET	0.362440381	0.705047412
## Correlation_cooc.H.PET	0.143451142	0.804522824
## Autocorrelation_cooc.H.PET	0.725990291	0.762249637
## Tendency_cooc.H.PET	0.480701204	0.770041463
## Shade_cooc.H.PET	-0.240157395	-0.386046657
## Prominence_cooc.H.PET	0.272165722	0.612801855
## IC1_d.H.PET	0.231871894	-0.216142225
## IC2_d.H.PET	0.306191462	0.861483840
## Coarseness_vdif.H.PET	0.379154124	0.505340459
## Contrast_vdif.H.PET	0.414394447	0.131069772
## Busyness_vdif.H.PET	-0.060085588	0.115510552
## Complexity_vdif.H.PET	0.714929488	0.502103135
## Strength_vdif.H.PET	0.108505641	-0.007222840
## SRE_align.H.PET	0.771699386	0.811177688
## LRE_align.H.PET	0.383556276	0.606393551
## RLNU_align.H.PET	-0.139421238	0.389523269
## RP_align.H.PET	0.777362159	0.791889691
## LGRE_align.H.PET	0.357753872	0.547895328
## HGRE_align.H.PET	0.727466048	0.769675319
## LGSRE_align.H.PET	0.357384681	0.545089884
## HGSRE_align.H.PET	0.799595031	0.785764058
## LGHRE_align.H.PET	0.357031281	0.564765634
## HGLRE_align.H.PET	0.252047800	0.422232284
## GLNU_norm_align.H.PET	0.462961480	0.432727848
## RLNU_norm_align.H.PET	0.761258877	0.734923848
## GLVAR_align.H.PET	0.570661364	0.714781903
## RLVAR_align.H.PET	0.058005200	0.352266628
## Entropy_align.H.PET	0.574288737	0.822126683
## SZSE.H.PET	0.669858517	0.720498950
## LZSE.H.PET	-0.112266335	-0.017290886
## LGLZE.H.PET	0.356918844	0.548829171
## HGLZE.H.PET	0.613267436	0.771218070
## SZLGE.H.PET	0.355581169	0.541953509
## SZHGE.H.PET	0.682720656	0.689881198
## LZLGE.H.PET	-0.091273493	0.078479157
## LZHGE.H.PET	-0.101073233	-0.010661510
## GLNU_area.H.PET	-0.130628068	0.433206317
## ZSNU.H.PET	-0.108722129	0.321499235
## ZSP.H.PET	0.592276438	0.516978053
## GLNU_norm.H.PET	0.486122093	0.424444039
## ZSNU_norm.H.PET	0.591501514	0.597330265
## GLVAR_area.H.PET	0.542917620	0.703195405
## ZSVAR_H.PET	-0.113996472	-0.009913036
## Entropy_area.H.PET	0.597572477	0.875782708
## Max_cooc.W.PET	0.310845991	0.364143932
## Average_cooc.W.PET	0.324187359	0.474093542
## Variance_cooc.W.PET	0.123759321	0.275340575

## Entropy_cooc.W.PET	0.608965417	0.742768397
## DAVE_cooc.W.PET	0.477928543	0.416204377
## DVAR_cooc.W.PET	0.229878003	0.241696427
## DENT_cooc.W.PET	0.658063494	0.697086536
## SAVE_cooc.W.PET	0.323555039	0.473132906
## SVAR_cooc.W.PET	0.061505413	0.288115958
## SENT_cooc.W.PET	0.638884853	0.800148509
## ASM_cooc.W.PET	0.323036389	0.434524449
## Contrast_cooc.W.PET	0.275276045	0.216645551
## Dissimilarity_cooc.W.PET	0.477928543	0.416204377
## Inv_diff_cooc.W.PET	0.525573515	0.699056696
## Inv_diff_norm_cooc.W.PET	0.687942237	0.898955687
## IDM_cooc.W.PET	0.416039811	0.594183008
## IDM_norm_cooc.W.PET	0.718262496	0.879454401
## Inv_var_cooc.W.PET	0.469050339	0.654654145
## Correlation_cooc.W.PET	0.129114501	0.800497069
## Autocorrelation_cooc.W.PET	0.079754735	0.279514616
## Tendency_cooc.W.PET	0.061505413	0.288115958
## Shade_cooc.W.PET	-0.087288688	0.165070397
## Prominence_cooc.W.PET	-0.110220251	0.129710062
## IC1_d.W.PET	0.145685815	-0.169409172
## IC2_d.W.PET	0.458856129	0.856664403
## Coarseness_vdif.W.PET	0.564385887	0.372883794
## Contrast_vdif.W.PET	0.659978751	0.228144724
## Busyness_vdif.W.PET	0.110011947	0.177140104
## Complexity_vdif.W.PET	-0.054144312	0.297765989
## Strength_vdif.W.PET	0.230283041	0.242512630
## SRE_align.W.PET	0.769370666	0.838970695
## LRE_align.W.PET	0.585414354	0.786317295
## GLNU_align.W.PET	-0.197258743	0.482118842
## RLNU_align.W.PET	-0.155829154	0.403472964
## RP_align.W.PET	0.773339725	0.830907619
## LGRE_align.W.PET	0.460288528	0.420920026
## HGRE_align.W.PET	0.083387995	0.280452722
## LGSRE_align.W.PET	0.501622500	0.446885332
## HGSRE_align.W.PET	0.084756854	0.274043711
## LGHRE_align.W.PET	0.276759789	0.301303290
## HGLRE_align.W.PET	0.075147871	0.307834576
## GLNU_norm_align.W.PET	0.467688566	0.453379272
## RLNU_norm_align.W.PET	0.771875213	0.806766850
## GLVAR_align.W.PET	0.101030973	0.287343192
## RLVAR_align.W.PET	0.134590401	0.424728948
## Entropy_align.W.PET	0.597959315	0.811151579
## SZSE.W.PET	0.747430515	0.786552109
## LZSE.W.PET	0.033333724	0.145421805
## LGLZE.W.PET	0.467036759	0.446073759
## HGLZE.W.PET	0.085603735	0.285923437
## SZLGE.W.PET	0.538163926	0.511237683
## SZHGE.W.PET	0.088690746	0.268085244
## LZLGE.W.PET	-0.027814157	0.015114824
## LZHGE.W.PET	0.019983566	0.381978925
## GLNU_area.W.PET	-0.166805168	0.469163586
## ZSNU.W.PET	-0.130060887	0.365401567
## ZSP.W.PET	0.712778462	0.713703037

## GLNU_norm.W.PET	0.484442859	0.465082153
## ZSNU_norm.W.PET	0.709351074	0.715512306
## GLVAR_area.W.PET	0.098436727	0.296551815
## ZSVAR.W.PET	-0.030325483	0.067624177
## Entropy_area.W.PET	0.608486802	0.855923172
## Min_hist.ADC	0.385737188	0.195981941
## Max_hist.ADC	0.571393990	0.823253071
## Mean_hist.ADC	0.672302848	0.740370210
## Variance_hist.ADC	0.197915219	0.514196229
## Standard_Deviation_hist.ADC	0.446150495	0.711606740
## Skewness_hist.ADC	0.098012981	0.224450841
## Kurtosis_hist.ADC	0.141995627	0.267446441
## Energy_hist.ADC	0.385796373	0.522648407
## Entropy_hist.ADC	0.639101241	0.858466446
## AUC_hist.ADC	0.723931850	0.844645296
## Volume.ADC	-0.039393016	0.402880241
## X3D_surface.ADC	0.102702637	0.495534466
## ratio_3ds_vol.ADC	0.679221506	0.477149767
## ratio_3ds_vol_norm.ADC	0.655055227	0.835539605
## irregularity.ADC	0.796312982	0.779256400
## Compactness_v1.ADC	0.569676904	0.685321775
##	Inv_diff_norm_cooc.L.PET	IDM_cooc.L.PET
## Failure	-0.014688119	-0.0672780650
## Entropy_cooc.W.ADC	0.053059600	0.1378132975
## GLNU_align.H.PET	-0.009172131	0.1683383505
## Min_hist.PET	0.525623847	0.3462525474
## Max_hist.PET	0.572153030	0.5400037948
## Mean_hist.PET	0.532692128	0.3755226422
## Variance_hist.PET	0.278491081	0.2640502489
## Standard_Deviation_hist.PET	0.549533487	0.4489770868
## Skewness_hist.PET	0.561976100	0.6407486394
## Kurtosis_hist.PET	0.202416653	0.4980608691
## Energy_hist.PET	0.435720253	0.5325533953
## Entropy_hist.PET	0.895059603	0.7679150863
## AUC_hist.PET	0.992788121	0.7917319174
## H_suv.PET	0.551460724	0.3752998320
## Volume.PET	0.372459964	0.3886739692
## X3D_surface.PET	0.269955167	0.4183213863
## ratio_3ds_vol.PET	0.543211939	0.4437257348
## ratio_3ds_vol_norm.PET	0.605427801	0.7018430768
## irregularity.PET	0.951407302	0.6965925863
## tumor_length.PET	0.652338615	0.7415092854
## Compactness_v1.PET	0.559904568	0.6490558510
## Compactness_v2.PET	0.242728462	0.1103225739
## Spherical_disproportion.PET	0.605427801	0.7018430768
## Sphericity.PET	0.238053846	0.0494599221
## Asphericity.PET	0.584080952	0.6901087514
## Center_of_mass.PET	0.416222349	0.5404090388
## Max_3D_diam.PET	0.512212824	0.5003854760
## Major_axis_length.PET	0.554696844	0.5537862797
## Minor_axis_length.PET	0.712696830	0.7494086323
## Least_axis_length.PET	0.610907513	0.6369419403
## Elongation.PET	0.847506355	0.6803908957
## Flatness.PET	0.789418321	0.6283167779

## Max_cooc.L.PET	0.474912542	0.6233417912
## Average_cooc.L.PET	0.763499899	0.3525356675
## Variance_cooc.L.PET	0.569941625	0.1166101803
## Entropy_cooc.L.PET	0.969858358	0.6803819273
## DAVE_cooc.L.PET	0.685193240	0.2358196501
## DVAR_cooc.L.PET	0.606995119	0.2810082963
## DENT_cooc.L.PET	0.940226975	0.5997978180
## SAVE_cooc.L.PET	0.763287369	0.3519719035
## SVAR_cooc.L.PET	0.592229642	0.1661952181
## SENT_cooc.L.PET	0.959253271	0.6940063881
## ASM_cooc.L.PET	0.445316408	0.5965518564
## Contrast_cooc.L.PET	0.457740651	0.0219944845
## Dissimilarity_cooc.L.PET	0.685193240	0.2358196501
## Inv_diff_cooc.L.PET	0.900028024	0.9853125493
## Inv_diff_norm_cooc.L.PET	1.000000000	0.8196280362
## IDM_cooc.L.PET	0.819628036	1.000000000
## IDM_norm_cooc.L.PET	0.998928750	0.7949993437
## Inv_var_cooc.L.PET	0.824225949	0.9951940916
## Correlation_cooc.L.PET	0.712823977	0.7680712412
## Autocorrelation_cooc.L.PET	0.547364682	0.1393752014
## Tendency_cooc.L.PET	0.592229642	0.1661952181
## Shade_cooc.L.PET	0.310875293	0.1658386902
## Prominence_cooc.L.PET	0.400163368	0.0344872956
## IC1_.L.PET	-0.304040206	0.0181588158
## IC2_.L.PET	0.872342455	0.6079707359
## Coarseness_vdif_.L.PET	0.457687123	0.4646510587
## Contrast_vdif_.L.PET	0.166108961	-0.0503634398
## Busyness_vdif_.L.PET	0.369217607	0.4917369477
## Complexity_vdif_.L.PET	0.648478647	0.2802552597
## Strength_vdif_.L.PET	0.248750260	0.0833017924
## SRE_align.L.PET	0.991256625	0.7506803069
## LRE_align.L.PET	0.996978875	0.8204789654
## GLNU_align.L.PET	0.324483766	0.5206821984
## RLNU_align.L.PET	0.287626026	0.3978645931
## RP_align.L.PET	0.990195706	0.7459497021
## LGRE_align.L.PET	0.645613236	0.7483637474
## HGRE_align.L.PET	0.565547383	0.1476819401
## LGSRE_align.L.PET	0.649117377	0.7455344143
## HGSRE_align.L.PET	0.563042925	0.1424434771
## LGHRE_align.L.PET	0.628500219	0.7576887839
## HGLRE_align.L.PET	0.574086897	0.1691547374
## GLNU_norm_align.L.PET	0.692218752	0.8083869848
## RLNU_norm_align.L.PET	0.985773810	0.7291921889
## GLVAR_align.L.PET	0.600065368	0.1417917867
## RLVAR_align.L.PET	0.689766242	0.9285588963
## Entropy_align.L.PET	0.975700086	0.6973415862
## SZSE.L.PET	0.964909734	0.7042531180
## LZSE.L.PET	0.718040427	0.7256778462
## LGLZE.L.PET	0.656697424	0.7570489180
## HGLZE.L.PET	0.574521818	0.1526862398
## SZLGE.L.PET	0.661236212	0.7385914113
## SZHGE.L.PET	0.567445325	0.1368906257
## LZLGE.L.PET	0.544321480	0.7517193639
## LZHGE.L.PET	0.482459221	0.1985471501

## GLNU_area.L.PET	0.324103032	0.5027381492
## ZSNU.L.PET	0.285578901	0.3713539736
## ZSP.L.PET	0.967913035	0.6901958343
## GLNU_norm.L.PET	0.692536733	0.8080914766
## ZSNU_norm.L.PET	0.965830634	0.6760815987
## GLVAR_area.L.PET	0.611508440	0.1549829818
## ZSVAR.L.PET	0.511593319	0.7969341483
## Entropy_area.L.PET	0.980992240	0.7245580803
## Max_cooc.H.PET	0.305678316	0.2985157217
## Average_cooc.H.PET	0.963446066	0.7169603351
## Variance_cooc.H.PET	0.856190548	0.6378669649
## Entropy_cooc.H.PET	0.829880677	0.6098224075
## DAVE_cooc.H.PET	0.851727988	0.5442540617
## DVAR_cooc.H.PET	0.828072030	0.5221336462
## DENT_cooc.H.PET	0.780382744	0.5862707633
## SAVE_cooc.H.PET	0.973428883	0.7297872636
## SVAR_cooc.H.PET	0.862482658	0.7157087994
## SENT_cooc.H.PET	0.689436009	0.6129279271
## ASM_cooc.H.PET	0.292759738	0.3176749934
## Contrast_cooc.H.PET	0.748846854	0.4283525062
## Dissimilarity_cooc.H.PET	0.851727988	0.5442540617
## Inv_diff_cooc.H.PET	0.684365297	0.6208633720
## Inv_diff_norm_cooc.H.PET	0.994534073	0.7861547532
## IDM_cooc.H.PET	0.579962184	0.5431173960
## IDM_norm_cooc.H.PET	0.995818703	0.7789361074
## Inv_var_cooc_.H.PET	0.611980554	0.7379970866
## Correlation_cooc.H.PET	0.719720044	0.7737273372
## Autocorrelation_cooc.H.PET	0.906552014	0.6801485821
## Tendency_cooc.H.PET	0.837604225	0.6939570407
## Shade_cooc.H.PET	-0.425204231	-0.3455079526
## Prominence_cooc.H.PET	0.630537274	0.5567185833
## IC1_d.H.PET	-0.156749736	-0.1802079995
## IC2_d.H.PET	0.823416342	0.8165768768
## Coarseness_vdif.H.PET	0.432795796	0.5594055626
## Contrast_vdif.H.PET	0.259403773	0.1018696087
## Busyness_vdif.H.PET	0.142319155	0.0627052785
## Complexity_vdif.H.PET	0.628260462	0.4715945011
## Strength_vdif.H.PET	0.010854035	0.0007028197
## SRE_align.H.PET	0.963210846	0.7215577621
## LRE_align.H.PET	0.650969504	0.5585782644
## RLNU_align.H.PET	0.282486333	0.3776518177
## RP_align.H.PET	0.949170530	0.7022353472
## LGRE_align.H.PET	0.462758564	0.6007934403
## HGRE_align.H.PET	0.912130178	0.6872766996
## LGSRE_align.H.PET	0.460122016	0.5982338801
## HGSRE_align.H.PET	0.951120726	0.6958097079
## LGHRE_align.H.PET	0.477298356	0.6166510753
## HGLRE_align.H.PET	0.448733266	0.3911027075
## GLNU_norm_align.H.PET	0.501019763	0.4091630986
## RLNU_norm_align.H.PET	0.895865114	0.6474996002
## GLVAR_align.H.PET	0.828038519	0.6304763078
## RLVAR_align.H.PET	0.307866348	0.3469807397
## Entropy_align.H.PET	0.914131841	0.7370953187
## SZSE.H.PET	0.850781951	0.6388926967

## LZSE.H.PET	-0.048628032	-0.0122320850
## LGLZE.H.PET	0.463640991	0.6014510437
## HGLZE.H.PET	0.872011597	0.6976043151
## SZLGE.H.PET	0.456780262	0.5953865594
## SZHGE.H.PET	0.822083728	0.6114152462
## LZLGE.H.PET	0.020174701	0.0937552891
## LZHGE.H.PET	-0.040352958	-0.0044179246
## GLNU_area.H.PET	0.322602689	0.4185895857
## ZSNU.H.PET	0.243910403	0.3044471444
## ZSP.H.PET	0.658217716	0.4430920945
## GLNU_norm.H.PET	0.511061847	0.3942759953
## ZSNU_norm.H.PET	0.717285765	0.5266028467
## GLVAR_area.H.PET	0.808842542	0.6211769296
## ZSVAR_H.PET	-0.044865032	-0.0030279056
## Entropy_area.H.PET	0.962479223	0.7920404809
## Max_cooc.W.PET	0.343837249	0.3876731419
## Average_cooc.W.PET	0.537556621	0.4139705869
## Variance_cooc.W.PET	0.275036041	0.2542727224
## Entropy_cooc.W.PET	0.861118688	0.6560927306
## DAVE_cooc.W.PET	0.541603491	0.3482839436
## DVAR_cooc.W.PET	0.294878393	0.2063872452
## DENT_cooc.W.PET	0.836348891	0.6108883388
## SAVE_cooc.W.PET	0.536793206	0.4128779755
## SVAR_cooc.W.PET	0.256901679	0.2760904725
## SENT_cooc.W.PET	0.900258441	0.7248066837
## ASM_cooc.W.PET	0.383094645	0.4741159291
## Contrast_cooc.W.PET	0.297412973	0.1737103498
## Dissimilarity_cooc.W.PET	0.541603491	0.3482839436
## Inv_diff_cooc.W.PET	0.758321587	0.6528757327
## Inv_diff_norm_cooc.W.PET	0.999927227	0.8185171807
## IDM_cooc.W.PET	0.626894896	0.5635140968
## IDM_norm_cooc.W.PET	0.998833943	0.7944641412
## Inv_var_cooc.W.PET	0.696776883	0.6174315885
## Correlation_cooc.W.PET	0.712918551	0.7702952633
## Autocorrelation_cooc.W.PET	0.278676838	0.2496987029
## Tendency_cooc.W.PET	0.256901679	0.2760904725
## Shade_cooc.W.PET	0.067271824	0.1936888457
## Prominence_cooc.W.PET	0.034826190	0.1574807887
## IC1_d.W.PET	-0.162495354	-0.1173335953
## IC2_d.W.PET	0.873517318	0.8008777609
## Coarseness_vdif.W.PET	0.418491274	0.3930655581
## Contrast_vdif.W.PET	0.437498171	0.1635533728
## Busyness_vdif.W.PET	0.238267933	0.1306264534
## Complexity_vdif.W.PET	0.202485887	0.3081453499
## Strength_vdif.W.PET	0.248034422	0.2421269162
## SRE_align.W.PET	0.985652680	0.7491599399
## LRE_align.W.PET	0.873969577	0.7163141481
## GLNU_align.W.PET	0.327764121	0.4799030785
## RLNU_align.W.PET	0.286108483	0.3937615880
## RP_align.W.PET	0.980319042	0.7409119450
## LGRE_align.W.PET	0.483165642	0.4018911604
## HGRE_align.W.PET	0.281074842	0.2498360614
## LGSRE_align.W.PET	0.517168802	0.4256571283
## HGSRE_align.W.PET	0.276090433	0.2435895703

## LGHRE_align.W.PET	0.328945888	0.2915672079
## HGLRE_align.W.PET	0.301224821	0.2769233490
## GLNU_norm_align.W.PET	0.502625880	0.4419216373
## RLNU_norm_align.W.PET	0.959582107	0.7171158505
## GLVAR_align.W.PET	0.278735662	0.2660007339
## RLVAR_align.W.PET	0.380474454	0.4240285212
## Entropy_align.W.PET	0.913019035	0.7247998518
## SZSE.W.PET	0.934077789	0.6982805090
## LZSE.W.PET	0.136983440	0.1413414840
## LGLZE.W.PET	0.509476196	0.4246363052
## HGLZE.W.PET	0.284713615	0.2561041359
## SZLGE.W.PET	0.582313376	0.4871900053
## SZHGE.W.PET	0.270762442	0.2385861072
## LZLGE.W.PET	0.002524260	0.0197048676
## LZHGE.W.PET	0.334235925	0.3625405276
## GLNU_area.W.PET	0.333682258	0.4603985780
## ZSNU.W.PET	0.268421036	0.3515078809
## ZSP.W.PET	0.861403193	0.6285005304
## GLNU_norm.W.PET	0.522011213	0.4499977768
## ZSNU_norm.W.PET	0.857430936	0.6336351518
## GLVAR_area.W.PET	0.283553216	0.2764686454
## ZSVAR.W.PET	0.048870550	0.0702805814
## Entropy_area.W.PET	0.952649083	0.7695736594
## Min_hist.ADC	0.314452347	0.1542769811
## Max_hist.ADC	0.890922639	0.7551449823
## Mean_hist.ADC	0.861501142	0.6649575185
## Variance_hist.ADC	0.470470309	0.5051616598
## Standard_Deviation_hist.ADC	0.738478021	0.6675178871
## Skewness_hist.ADC	0.239505384	0.2000312808
## Kurtosis_hist.ADC	0.280822084	0.2430037536
## Energy_hist.ADC	0.453768864	0.5732650794
## Entropy_hist.ADC	0.957891317	0.7752954432
## AUC_hist.ADC	0.973472677	0.7595749695
## Volume.ADC	0.356463967	0.3658906245
## X3D_surface.ADC	0.456974908	0.4667325920
## ratio_3ds_vol.ADC	0.625266471	0.4262118844
## ratio_3ds_vol_norm.ADC	0.942854746	0.7527977656
## irregularity.ADC	0.945333877	0.6904742020
## Compactness_v1.ADC	0.687159787	0.6931020609
##	IDM_norm_cooc.L.PET	Inv_var_cooc.L.PET
## Failure	-0.007588976	-0.064759325
## Entropy_cooc.W.ADC	0.042348996	0.139610976
## GLNU_align.H.PET	-0.023645138	0.162008615
## Min_hist.PET	0.528514723	0.354494263
## Max_hist.PET	0.561337820	0.547241994
## Mean_hist.PET	0.533094420	0.384149619
## Variance_hist.PET	0.272404553	0.270806758
## Standard_Deviation_hist.PET	0.545907399	0.456607494
## Skewness_hist.PET	0.548446962	0.640465835
## Kurtosis_hist.PET	0.176981130	0.489782677
## Energy_hist.PET	0.438255746	0.527111361
## Entropy_hist.PET	0.887135288	0.780133922
## AUC_hist.PET	0.994943512	0.796242863
## H_suv.PET	0.557356434	0.384548514

## Volume.PET	0.355500357	0.399262240
## X3D_surface.PET	0.250107413	0.422892766
## ratio_3ds_vol.PET	0.554083703	0.443179403
## ratio_3ds_vol_norm.PET	0.595659112	0.703488328
## irregularity.PET	0.959085969	0.702389600
## tumor_length.PET	0.632629469	0.748147791
## Compactness_v1.PET	0.556863273	0.650883766
## Compactness_v2.PET	0.239907233	0.122195824
## Spherical_disproportion.PET	0.595659112	0.703488328
## Sphericity.PET	0.237264724	0.059291148
## Asphericity.PET	0.574010944	0.691628267
## Center_of_mass.PET	0.397256732	0.540945811
## Max_3D_diam.PET	0.492969131	0.513775823
## Major_axis_length.PET	0.536347967	0.567970280
## Minor_axis_length.PET	0.691892405	0.757246664
## Least_axis_length.PET	0.590548009	0.642788703
## Elongation.PET	0.852198000	0.674285572
## Flatness.PET	0.792188681	0.616339765
## Max_cooc.L.PET	0.471917128	0.618854277
## Average_cooc.L.PET	0.787379511	0.357026395
## Variance_cooc.L.PET	0.603857969	0.119683154
## Entropy_cooc.L.PET	0.977150864	0.688277927
## DAVE_cooc.L.PET	0.716561306	0.237792537
## DVAR_cooc.L.PET	0.631888412	0.275685658
## DENT_cooc.L.PET	0.954750673	0.604658938
## SAVE_cooc.L.PET	0.787179235	0.356467773
## SVAR_cooc.L.PET	0.621944436	0.172044667
## SENT_cooc.L.PET	0.968152109	0.698439183
## ASM_cooc.L.PET	0.442727501	0.593334576
## Contrast_cooc.L.PET	0.493767850	0.020245387
## Dissimilarity_cooc.L.PET	0.716561306	0.237792537
## Inv_diff_cooc.L.PET	0.880017715	0.984113839
## Inv_diff_norm_cooc.L.PET	0.998928750	0.824225949
## IDM_cooc.L.PET	0.794999344	0.995194092
## IDM_norm_cooc.L.PET	1.000000000	0.799755621
## Inv_var_cooc.L.PET	0.799755621	1.000000000
## Correlation_cooc.L.PET	0.693118123	0.775865606
## Autocorrelation_cooc.L.PET	0.575802900	0.142919105
## Tendency_cooc.L.PET	0.621944436	0.172044667
## Shade_cooc.L.PET	0.317467884	0.178153325
## Prominence_cooc.L.PET	0.428606913	0.042870864
## IC1_.L.PET	-0.325613824	0.024511111
## IC2_.L.PET	0.884797472	0.608310517
## Coarseness_vdif_.L.PET	0.466372383	0.460331226
## Contrast_vdif_.L.PET	0.188691421	-0.066880388
## Busyness_vdif_.L.PET	0.346196756	0.493606329
## Complexity_vdif_.L.PET	0.675794043	0.277758386
## Strength_vdif_.L.PET	0.265924340	0.072080597
## SRE_align.L.PET	0.996117485	0.756514583
## LRE_align.L.PET	0.995823689	0.819058130
## GLNU_align.L.PET	0.296287420	0.521351797
## RLNU_align.L.PET	0.265662831	0.401800642
## RP_align.L.PET	0.995438384	0.751463959
## LGRE_align.L.PET	0.636058291	0.739135407

## HGRE_align.L.PET	0.594738807	0.150660972
## LGSRE_align.L.PET	0.640211039	0.736881481
## HGSRE_align.L.PET	0.592586918	0.146152477
## LGHRE_align.L.PET	0.616294597	0.746213171
## HGLRE_align.L.PET	0.601716711	0.168787165
## GLNU_norm_align.L.PET	0.684737943	0.803679106
## RLNU_norm_align.L.PET	0.992321856	0.734182597
## GLVAR_align.L.PET	0.633404534	0.145363679
## RLVAR_align.L.PET	0.668705900	0.920390162
## Entropy_align.L.PET	0.982234161	0.704491303
## SZSE.L.PET	0.971688927	0.723521995
## LZSE.L.PET	0.706852677	0.679002971
## LGLZE.L.PET	0.647383765	0.747527769
## HGLZE.L.PET	0.603879768	0.155609591
## SZLGE.L.PET	0.654144222	0.735046525
## SZHGE.L.PET	0.597511020	0.149428377
## LZLGE.L.PET	0.525480468	0.724417571
## LZHGE.L.PET	0.501655179	0.161861756
## GLNU_area.L.PET	0.296955884	0.507629739
## ZSNU.L.PET	0.265248424	0.380416602
## ZSP.L.PET	0.976243635	0.705209627
## GLNU_norm.L.PET	0.685107612	0.803578525
## ZSNU_norm.L.PET	0.975766061	0.681912688
## GLVAR_area.L.PET	0.644554138	0.158345404
## ZSVAR.L.PET	0.482855144	0.760713380
## Entropy_area.L.PET	0.985427495	0.731393033
## Max_cooc.H.PET	0.307926018	0.300693886
## Average_cooc.H.PET	0.969406796	0.720937251
## Variance_cooc.H.PET	0.858751867	0.642116005
## Entropy_cooc.H.PET	0.833210007	0.612137303
## DAVE_cooc.H.PET	0.864460402	0.547479933
## DVAR_cooc.H.PET	0.841326792	0.524801461
## DENT_cooc.H.PET	0.779394675	0.597665253
## SAVE_cooc.H.PET	0.978133507	0.733017802
## SVAR_cooc.H.PET	0.857711158	0.722859675
## SENT_cooc.H.PET	0.691374254	0.612483396
## ASM_cooc.H.PET	0.294316030	0.320157823
## Contrast_cooc.H.PET	0.764949053	0.430935289
## Dissimilarity_cooc.H.PET	0.864460402	0.547479933
## Inv_diff_cooc.H.PET	0.681965036	0.622700809
## Inv_diff_norm_cooc.H.PET	0.996554323	0.790768789
## IDM_cooc.H.PET	0.577516616	0.544077938
## IDM_norm_cooc.H.PET	0.998423695	0.783540366
## Inv_var_cooc_.H.PET	0.603817344	0.739986812
## Correlation_cooc.H.PET	0.699995498	0.779406548
## Autocorrelation_cooc.H.PET	0.912391902	0.683680844
## Tendency_cooc.H.PET	0.832622468	0.698726892
## Shade_cooc.H.PET	-0.423469495	-0.340310312
## Prominence_cooc.H.PET	0.621755175	0.561602339
## IC1_d.H.PET	-0.139707220	-0.183317254
## IC2_d.H.PET	0.807905022	0.820064202
## Coarseness_vdif.H.PET	0.432661284	0.556182738
## Contrast_vdif.H.PET	0.274337183	0.098637462
## Busyness_vdif.H.PET	0.135084546	0.070988792

## Complexity_vdif.H.PET	0.642176081	0.467504236
## Strength_vdif.H.PET	0.014769807	-0.001028451
## SRE_align.H.PET	0.968511755	0.726345163
## LRE_align.H.PET	0.648401755	0.558958045
## RLNU_align.H.PET	0.262373643	0.382095446
## RP_align.H.PET	0.955286196	0.706579527
## LGRE_align.H.PET	0.460443416	0.598897330
## HGRE_align.H.PET	0.917470023	0.691491861
## LGSRE_align.H.PET	0.457886016	0.596335466
## HGSRE_align.H.PET	0.958300458	0.699917840
## LGHRE_align.H.PET	0.474400414	0.614405159
## HGLRE_align.H.PET	0.446804448	0.393044452
## GLNU_norm_align.H.PET	0.507052756	0.409779663
## RLNU_norm_align.H.PET	0.902979088	0.651184825
## GLVAR_align.H.PET	0.828653752	0.635019727
## RLVAR_align.H.PET	0.300053328	0.345866862
## Entropy_align.H.PET	0.910933667	0.744831042
## SZSE.H.PET	0.854021054	0.656924808
## LZSE.H.PET	-0.052674063	-0.006305774
## LGLZE.H.PET	0.461263252	0.599590671
## HGLZE.H.PET	0.872415293	0.699463969
## SZLGE.H.PET	0.454565912	0.593867936
## SZHGE.H.PET	0.825700909	0.624370699
## LZLGE.H.PET	0.014091112	0.093954887
## LZHGE.H.PET	-0.043761568	0.002518904
## GLNU_area.H.PET	0.301148363	0.426318117
## ZSNU.H.PET	0.227545325	0.313405189
## ZSP.H.PET	0.664864967	0.455484030
## GLNU_norm.H.PET	0.519020335	0.396625788
## ZSNU_norm.H.PET	0.721171710	0.534499544
## GLVAR_area.H.PET	0.808775739	0.625243139
## ZSVAR_H.PET	-0.049026678	0.003109851
## Entropy_area.H.PET	0.958708895	0.796409114
## Max_cooc.W.PET	0.345442672	0.388981237
## Average_cooc.W.PET	0.535045921	0.422297080
## Variance_cooc.W.PET	0.270093283	0.260548987
## Entropy_cooc.W.PET	0.861677168	0.662825358
## DAVE_cooc.W.PET	0.547149397	0.355253768
## DVAR_cooc.W.PET	0.295554785	0.212849576
## DENT_cooc.W.PET	0.840208541	0.616762887
## SAVE_cooc.W.PET	0.534285915	0.421211763
## SVAR_cooc.W.PET	0.248850559	0.282119474
## SENT_cooc.W.PET	0.900282066	0.729770681
## ASM_cooc.W.PET	0.383281070	0.474662273
## Contrast_cooc.W.PET	0.301052831	0.180076856
## Dissimilarity_cooc.W.PET	0.547149397	0.355253768
## Inv_diff_cooc.W.PET	0.758279341	0.653484849
## Inv_diff_norm_cooc.W.PET	0.999007982	0.823043075
## IDM_cooc.W.PET	0.625938447	0.563606253
## IDM_norm_cooc.W.PET	0.999980143	0.799107859
## Inv_var_cooc.W.PET	0.695945100	0.619710534
## Correlation_cooc.W.PET	0.692939902	0.777942476
## Autocorrelation_cooc.W.PET	0.272170318	0.258097914
## Tendency_cooc.W.PET	0.248850559	0.282119474

## Shade_cooc.W.PET	0.056635785	0.195610729
## Prominence_cooc.W.PET	0.024614899	0.159734410
## IC1_d.W.PET	-0.150315211	-0.119909991
## IC2_d.W.PET	0.864390331	0.804210465
## Coarseness_vdif.W.PET	0.429939797	0.384910187
## Contrast_vdif.W.PET	0.457374329	0.164604632
## Busyness_vdif.W.PET	0.239095104	0.138696096
## Complexity_vdif.W.PET	0.188474431	0.312283845
## Strength_vdif.W.PET	0.247911751	0.235618199
## SRE_align.W.PET	0.990108303	0.754511975
## LRE_align.W.PET	0.873488970	0.716073819
## GLNU_align.W.PET	0.301775277	0.480371894
## RLNU_align.W.PET	0.264744111	0.397913849
## RP_align.W.PET	0.985159817	0.745827775
## LGRE_align.W.PET	0.488889429	0.400836242
## HGRE_align.W.PET	0.274583968	0.258376495
## LGSRE_align.W.PET	0.523694995	0.424253134
## HGSRE_align.W.PET	0.269850281	0.252301122
## LGHRE_align.W.PET	0.331183100	0.292280282
## HGLRE_align.W.PET	0.293565517	0.284156869
## GLNU_norm_align.W.PET	0.508096964	0.442409144
## RLNU_norm_align.W.PET	0.964993477	0.721348471
## GLVAR_align.W.PET	0.272441385	0.272752227
## RLVAR_align.W.PET	0.373702850	0.422849072
## Entropy_align.W.PET	0.911080469	0.731898431
## SZSE.W.PET	0.938745212	0.715988085
## LZSE.W.PET	0.135281197	0.134578031
## LGLZE.W.PET	0.515109508	0.425728531
## HGLZE.W.PET	0.278040604	0.264140430
## SZLGE.W.PET	0.588495105	0.496297725
## SZHGE.W.PET	0.264727366	0.248857120
## LZLGE.W.PET	0.001390999	0.025840685
## LZHGE.W.PET	0.322952174	0.338684532
## GLNU_area.W.PET	0.309358107	0.467332436
## ZSNU.W.PET	0.249503616	0.359996957
## ZSP.W.PET	0.866684912	0.640401560
## GLNU_norm.W.PET	0.528170029	0.451535030
## ZSNU_norm.W.PET	0.862436953	0.639166871
## GLVAR_area.W.PET	0.276784136	0.283081548
## ZSVAR.W.PET	0.046840767	0.070061489
## Entropy_area.W.PET	0.949945043	0.775851491
## Min_hist.ADC	0.325020310	0.152832287
## Max_hist.ADC	0.886775438	0.762582251
## Mean_hist.ADC	0.864338432	0.669233679
## Variance_hist.ADC	0.460706298	0.512184957
## Standard_Deviation_hist.ADC	0.732777261	0.674075665
## Skewness_hist.ADC	0.237757102	0.204105168
## Kurtosis_hist.ADC	0.277898508	0.250345958
## Energy_hist.ADC	0.453612613	0.569996830
## Entropy_hist.ADC	0.956155543	0.783244065
## AUC_hist.ADC	0.976271681	0.764413534
## Volume.ADC	0.340747212	0.378283266
## X3D_surface.ADC	0.444193491	0.483805239
## ratio_3ds_vol.ADC	0.638157710	0.417582979

## ratio_3ds_vol_norm.ADC	0.942206197	0.760349048
## irregularity.ADC	0.953217473	0.691560704
## Compactness_v1.ADC	0.689401121	0.691173751
##	Correlation_cooc.L.PET	Autocorrelation_cooc.L.PET
## Failure	-0.08072976	0.130739621
## Entropy_cooc.W.ADC	0.19201117	-0.072437813
## GLNU_align.H.PET	0.16503054	-0.171910190
## Min_hist.PET	0.24119730	0.282148824
## Max_hist.PET	0.39119493	0.137513754
## Mean_hist.PET	0.27637297	0.297567162
## Variance_hist.PET	0.21183247	0.083268638
## Standard_Deviation_hist.PET	0.35103173	0.246383779
## Skewness_hist.PET	0.40843932	-0.142954123
## Kurtosis_hist.PET	0.15036495	-0.378236153
## Energy_hist.PET	0.23159380	0.332629532
## Entropy_hist.PET	0.69520657	0.383681382
## AUC_hist.PET	0.66787660	0.578693170
## H_suv.PET	0.18737798	0.357094452
## Volume.PET	0.36111369	-0.075851667
## X3D_surface.PET	0.45024008	-0.060029479
## ratio_3ds_vol.PET	0.25955972	0.420992095
## ratio_3ds_vol_norm.PET	0.59763342	0.252184526
## irregularity.PET	0.58429135	0.616237272
## tumor_length.PET	0.71731425	0.163557647
## Compactness_v1.PET	0.35895930	0.317074283
## Compactness_v2.PET	0.13477106	0.058274172
## Spherical_disproportion.PET	0.59763342	0.252184526
## Sphericity.PET	0.10582340	0.052994129
## Asphericity.PET	0.58702699	0.237107016
## Center_of_mass.PET	0.62312838	0.025670294
## Max_3D_diam.PET	0.54302711	0.017183165
## Major_axis_length.PET	0.56984306	0.072828525
## Minor_axis_length.PET	0.71848424	0.137386877
## Least_axis_length.PET	0.68265815	0.119754774
## Elongation.PET	0.53856803	0.562495633
## Flatness.PET	0.57598715	0.557235660
## Max_cooc.L.PET	0.31544478	0.280772927
## Average_cooc.L.PET	0.39916470	0.946643824
## Variance_cooc.L.PET	0.17840412	0.831638625
## Entropy_cooc.L.PET	0.64483524	0.661259071
## DAVE_cooc.L.PET	0.13365985	0.791033720
## DVAR_cooc.L.PET	0.04123740	0.622583899
## DENT_cooc.L.PET	0.51360125	0.713099926
## SAVE_cooc.L.PET	0.39897369	0.946689097
## SVAR_cooc.L.PET	0.35665017	0.839040427
## SENT_cooc.L.PET	0.63935349	0.690613481
## ASM_cooc.L.PET	0.29870565	0.276612075
## Contrast_cooc.L.PET	-0.12877051	0.707921314
## Dissimilarity_cooc.L.PET	0.13365985	0.791033720
## Inv_diff_cooc.L.PET	0.79846042	0.243028021
## Inv_diff_norm_cooc.L.PET	0.71282398	0.547364682
## IDM_cooc.L.PET	0.76807124	0.139375201
## IDM_norm_cooc.L.PET	0.69311812	0.575802900
## Inv_var_cooc.L.PET	0.77586561	0.142919105

## Correlation_cooc.L.PET	1.00000000	0.277885489
## Autocorrelation_cooc.L.PET	0.27788549	1.000000000
## Tendency_cooc.L.PET	0.35665017	0.839040427
## Shade_cooc.L.PET	0.33576188	0.025569445
## Prominence_cooc.L.PET	0.26349620	0.664435881
## IC1_.L.PET	-0.13140412	-0.515599343
## IC2_.L.PET	0.57382287	0.697986094
## Coarseness_vdif_.L.PET	0.23465084	0.460503219
## Contrast_vdif_.L.PET	-0.26317566	0.351850101
## Busyness_vdif_.L.PET	0.45012185	-0.161531984
## Complexity_vdif_.L.PET	0.04572398	0.627498773
## Strength_vdif_.L.PET	-0.03716686	0.291626917
## SRE_align.L.PET	0.64513212	0.619747753
## LRE_align.L.PET	0.70599518	0.545904938
## GLNU_align.L.PET	0.48133807	-0.198559259
## RLNU_align.L.PET	0.44378291	-0.105674924
## RP_align.L.PET	0.64091556	0.624136128
## LGRE_align.L.PET	0.43120375	0.061265137
## HGRE_align.L.PET	0.23124780	0.989678332
## LGSRE_align.L.PET	0.42870423	0.073783469
## HGSRE_align.L.PET	0.22334379	0.988675454
## LGHRE_align.L.PET	0.43963495	0.010549020
## HGLRE_align.L.PET	0.26281680	0.990045350
## GLNU_norm_align.L.PET	0.46034889	0.265633030
## RLNU_norm_align.L.PET	0.62564219	0.638694704
## GLVAR_align.L.PET	0.21621801	0.894832364
## RLVAR_align.L.PET	0.65529887	0.161155811
## Entropy_align.L.PET	0.66190878	0.673160689
## SZSE.L.PET	0.60513181	0.627525011
## LZSE.L.PET	0.60337753	0.271277689
## LGLZE.L.PET	0.43393504	0.078764259
## HGLZE.L.PET	0.23027749	0.986469323
## SZLGE.L.PET	0.41774843	0.120877855
## SZHGE.L.PET	0.20390516	0.970195330
## LZLGE.L.PET	0.44156270	-0.115387667
## LZHGE.L.PET	0.29007981	0.821269882
## GLNU_area.L.PET	0.47614534	-0.185281579
## ZSNU.L.PET	0.42770908	-0.085910395
## ZSP.L.PET	0.59487439	0.648587571
## GLNU_norm.L.PET	0.46171916	0.267985269
## ZSNU_norm.L.PET	0.57660237	0.670990745
## GLVAR_area.L.PET	0.21924441	0.892914217
## ZSVAR.L.PET	0.58488343	-0.052876790
## Entropy_area.L.PET	0.68347234	0.645865975
## Max_cooc.H.PET	0.29264216	0.213056412
## Average_cooc.H.PET	0.64387681	0.612857804
## Variance_cooc.H.PET	0.53202074	0.589376006
## Entropy_cooc.H.PET	0.47007004	0.459934256
## DAVE_cooc.H.PET	0.32187614	0.617751284
## DVAR_cooc.H.PET	0.30104626	0.659542203
## DENT_cooc.H.PET	0.51966241	0.358172304
## SAVE_cooc.H.PET	0.66827417	0.607755974
## SVAR_cooc.H.PET	0.69504979	0.503982110
## SENT_cooc.H.PET	0.44071350	0.450815424

## ASM_cooc.H.PET	0.28030902	0.232368270
## Contrast_cooc.H.PET	0.16483703	0.611762249
## Dissimilarity_cooc.H.PET	0.32187614	0.617751284
## Inv_diff_cooc.H.PET	0.65117881	0.410467696
## Inv_diff_norm_cooc.H.PET	0.70169129	0.590660942
## IDM_cooc.H.PET	0.58668022	0.356469158
## IDM_norm_cooc.H.PET	0.68616723	0.595020678
## Inv_var_cooc_.H.PET	0.47440333	0.241078678
## Correlation_cooc.H.PET	0.98683268	0.294422769
## Autocorrelation_cooc.H.PET	0.64582326	0.591473383
## Tendency_cooc.H.PET	0.68278243	0.524576280
## Shade_cooc.H.PET	-0.32454424	-0.483967677
## Prominence_cooc.H.PET	0.55812093	0.406922596
## IC1_d.H.PET	-0.63095355	0.003094221
## IC2_d.H.PET	0.95088780	0.363070150
## Coarseness_vdif.H.PET	0.26893755	0.300502431
## Contrast_vdif.H.PET	0.13324207	0.531558831
## Busyness_vdif.H.PET	0.13494242	-0.120914765
## Complexity_vdif.H.PET	0.20527407	0.580773484
## Strength_vdif.H.PET	-0.05861020	0.018354487
## SRE_align.H.PET	0.56469708	0.585154020
## LRE_align.H.PET	0.64985316	0.395302307
## RLNU_align.H.PET	0.40092089	-0.089775357
## RP_align.H.PET	0.53551593	0.585453358
## LGRE_align.H.PET	0.31057012	0.311386515
## HGRE_align.H.PET	0.62008214	0.568234477
## LGSRE_align.H.PET	0.30726072	0.310022520
## HGSRE_align.H.PET	0.55755288	0.568563312
## LGHRE_align.H.PET	0.33327300	0.317845385
## HGLRE_align.H.PET	0.52130503	0.316269948
## GLNU_norm_align.H.PET	0.38462348	0.363061145
## RLNU_norm_align.H.PET	0.45478914	0.554594091
## GLVAR_align.H.PET	0.53171483	0.566471502
## RLVAR_align.H.PET	0.51073497	0.160591428
## Entropy_align.H.PET	0.66246202	0.491763524
## SZSE.H.PET	0.44596674	0.456113236
## LZSE.H.PET	0.13802628	-0.034172988
## LGLZE.H.PET	0.31171704	0.315270992
## HGLZE.H.PET	0.64038070	0.393877097
## SZLGE.H.PET	0.30366293	0.308743958
## SZHGE.H.PET	0.39801786	0.333642877
## LZLGE.H.PET	0.23061852	0.026541880
## LZHGE.H.PET	0.14708172	0.003218171
## GLNU_area.H.PET	0.42855761	-0.116958186
## ZSNU.H.PET	0.32138044	-0.066850538
## ZSP.H.PET	0.22828238	0.373048309
## GLNU_norm.H.PET	0.41718499	0.449627017
## ZSNU_norm.H.PET	0.30890029	0.369618024
## GLVAR_area.H.PET	0.51261105	0.529619500
## ZSVAR_H.PET	0.14931508	-0.014095955
## Entropy_area.H.PET	0.71649172	0.504924610
## Max_cooc.W.PET	0.26735989	0.236744294
## Average_cooc.W.PET	0.33072725	0.328071015
## Variance_cooc.W.PET	0.20370246	0.075280599

## Entropy_cooc.W.PET	0.53170105	0.471018439
## DAVE_cooc.W.PET	0.18301479	0.315504403
## DVAR_cooc.W.PET	0.07994437	0.124483292
## DENT_cooc.W.PET	0.44099522	0.462762338
## SAVE_cooc.W.PET	0.33020576	0.327565265
## SVAR_cooc.W.PET	0.25867621	0.039543331
## SENT_cooc.W.PET	0.60403484	0.501515602
## ASM_cooc.W.PET	0.30155063	0.279396327
## Contrast_cooc.W.PET	0.04120495	0.161774701
## Dissimilarity_cooc.W.PET	0.18301479	0.315504403
## Inv_diff_cooc.W.PET	0.65527002	0.488062352
## Inv_diff_norm_cooc.W.PET	0.71239538	0.550293141
## IDM_cooc.W.PET	0.59891169	0.417623750
## IDM_norm_cooc.W.PET	0.69182149	0.576901492
## Inv_var_cooc.W.PET	0.63851016	0.464273282
## Correlation_cooc.W.PET	0.99961365	0.272441417
## Autocorrelation_cooc.W.PET	0.21145131	0.149665893
## Tendency_cooc.W.PET	0.25867621	0.039543331
## Shade_cooc.W.PET	0.19571141	-0.133995606
## Prominence_cooc.W.PET	0.15489093	-0.102144758
## IC1_d.W.PET	-0.55842630	-0.035588609
## IC2_d.W.PET	0.86557537	0.445656034
## Coarseness_vdif.W.PET	0.16257409	0.477195449
## Contrast_vdif.W.PET	-0.02672572	0.461049734
## Busyness_vdif.W.PET	0.39771297	0.148896930
## Complexity_vdif.W.PET	0.20791235	-0.073758687
## Strength_vdif.W.PET	0.12299829	0.015860816
## SRE_align.W.PET	0.61773635	0.598832426
## LRE_align.W.PET	0.73328749	0.536669714
## GLNU_align.W.PET	0.52001119	-0.165671457
## RLNU_align.W.PET	0.42468198	-0.102375273
## RP_align.W.PET	0.60220344	0.598109713
## LGRE_align.W.PET	0.35045585	0.251793224
## HGRE_align.W.PET	0.19647522	0.138324355
## LGSRE_align.W.PET	0.35434773	0.275142165
## HGSRE_align.W.PET	0.18811946	0.134247767
## LGHRE_align.W.PET	0.31985674	0.149840265
## HGLRE_align.W.PET	0.23348604	0.154191162
## GLNU_norm_align.W.PET	0.37070082	0.358004866
## RLNU_norm_align.W.PET	0.55898110	0.582785135
## GLVAR_align.W.PET	0.21280060	0.080468374
## RLVAR_align.W.PET	0.53882021	0.225962380
## Entropy_align.W.PET	0.63190047	0.498308671
## SZSE.W.PET	0.53042194	0.547433257
## LZSE.W.PET	0.30950492	0.154836612
## LGLZE.W.PET	0.38158413	0.287451897
## HGLZE.W.PET	0.19964910	0.128675482
## SZLGE.W.PET	0.38185983	0.319013021
## SZHGE.W.PET	0.17845246	0.115533573
## LZLGE.W.PET	0.14064576	0.001970843
## LZHGE.W.PET	0.39299375	0.222448658
## GLNU_area.W.PET	0.48666691	-0.144337582
## ZSNU.W.PET	0.37505011	-0.084850258
## ZSP.W.PET	0.42880562	0.495322183

## GLNU_norm.W.PET	0.39965958	0.409697306
## ZSNU_norm.W.PET	0.41930232	0.481844369
## GLVAR_area.W.PET	0.21716256	0.073428781
## ZSVAR.W.PET	0.23462675	0.094708792
## Entropy_area.W.PET	0.69649585	0.516058064
## Min_hist.ADC	0.15839556	0.401232985
## Max_hist.ADC	0.59275421	0.401802637
## Mean_hist.ADC	0.51060757	0.479517611
## Variance_hist.ADC	0.34397604	0.089784803
## Standard_Deviation_hist.ADC	0.50594896	0.299930862
## Skewness_hist.ADC	0.27450481	0.190081531
## Kurtosis_hist.ADC	0.28285802	0.077029010
## Energy_hist.ADC	0.30034863	0.325097437
## Entropy_hist.ADC	0.67267043	0.498930670
## AUC_hist.ADC	0.64932116	0.596487036
## Volume.ADC	0.33245287	-0.074746372
## X3D_surface.ADC	0.39313716	0.038137207
## ratio_3ds_vol.ADC	0.32268552	0.562348180
## ratio_3ds_vol_norm.ADC	0.62753555	0.477888811
## irregularity.ADC	0.58078279	0.649138201
## Compactness_v1.ADC	0.45735664	0.485088381
##	Tendency_cooc.L.PET	Shade_cooc.L.PET
## Failure	0.1114961637	-0.021243946
## Entropy_cooc.W.ADC	-0.1187634176	-0.064809742
## GLNU_align.H.PET	-0.2017104419	-0.127442511
## Min_hist.PET	0.2675315731	0.121624503
## Max_hist.PET	0.1000900657	0.076136184
## Mean_hist.PET	0.2265228391	0.053499729
## Variance_hist.PET	0.0488122760	0.065673573
## Standard_Deviation_hist.PET	0.2152812243	0.126297098
## Skewness_hist.PET	0.2028598542	0.640297155
## Kurtosis_hist.PET	-0.2541048850	0.142321083
## Energy_hist.PET	0.3602629948	0.141128061
## Entropy_hist.PET	0.3865137725	0.208891802
## AUC_hist.PET	0.6361971607	0.330128747
## H_suv.PET	0.3042535504	0.106247008
## Volume.PET	-0.1629224084	-0.133207609
## X3D_surface.PET	-0.0976408280	-0.083698917
## ratio_3ds_vol.PET	0.6065382699	0.462899884
## ratio_3ds_vol_norm.PET	0.3740042861	0.330512778
## irregularity.PET	0.7193855273	0.417376349
## tumor_length.PET	0.1433596998	0.079526495
## Compactness_v1.PET	0.2878486467	0.078041063
## Compactness_v2.PET	-0.0215614813	-0.075018183
## Spherical_disproportion.PET	0.3740042861	0.330512778
## Sphericity.PET	-0.0121370520	-0.053750569
## Asphericity.PET	0.3594522183	0.325851677
## Center_of_mass.PET	0.1294288068	0.272446946
## Max_3D_diam.PET	-0.0552582514	-0.032965372
## Major_axis_length.PET	0.0008067448	-0.007995056
## Minor_axis_length.PET	0.0995480629	0.036924333
## Least_axis_length.PET	0.0566212023	-0.028324339
## Elongation.PET	0.6050504344	0.228973707
## Flatness.PET	0.5731789591	0.161672083

## Max_cooc.L.PET	0.3008217316	0.137400243
## Average_cooc.L.PET	0.8404960632	0.120830546
## Variance_cooc.L.PET	0.9677775939	0.437845224
## Entropy_cooc.L.PET	0.6799571023	0.292524094
## DAVE_cooc.L.PET	0.8607518413	0.313909676
## DVAR_cooc.L.PET	0.7153713065	0.289489176
## DENT_cooc.L.PET	0.7723373534	0.350389589
## SAVE_cooc.L.PET	0.8404955182	0.120757701
## SVAR_cooc.L.PET	1.0000000000	0.515274189
## SENT_cooc.L.PET	0.7498876403	0.356233179
## ASM_cooc.L.PET	0.2838467510	0.107864904
## Contrast_cooc.L.PET	0.7863266485	0.255943572
## Dissimilarity_cooc.L.PET	0.8607518413	0.313909676
## Inv_diff_cooc.L.PET	0.2731708410	0.211029601
## Inv_diff_norm_cooc.L.PET	0.5922296419	0.310875293
## IDM_cooc.L.PET	0.1661952181	0.165838690
## IDM_norm_cooc.L.PET	0.6219444358	0.317467884
## Inv_var_cooc.L.PET	0.1720446669	0.178153325
## Correlation_cooc.L.PET	0.3566501678	0.335761879
## Autocorrelation_cooc.L.PET	0.8390404272	0.025569445
## Tendency_cooc.L.PET	1.0000000000	0.515274189
## Shade_cooc.L.PET	0.5152741888	1.000000000
## Prominence_cooc.L.PET	0.9382549936	0.678951091
## IC1_.L.PET	-0.6833276456	-0.419144375
## IC2_.L.PET	0.8191163391	0.454915932
## Coarseness_vdif_.L.PET	0.4979587377	0.207704047
## Contrast_vdif_.L.PET	0.4381363539	0.110792652
## Busyness_vdif_.L.PET	-0.1714001525	-0.041908859
## Complexity_vdif_.L.PET	0.7488556688	0.331823453
## Strength_vdif_.L.PET	0.5263702260	0.443509818
## SRE_align.L.PET	0.6710755210	0.329671406
## LRE_align.L.PET	0.5891270761	0.297736824
## GLNU_align.L.PET	-0.2502679775	-0.130255796
## RLNU_align.L.PET	-0.1950350231	-0.165752174
## RP_align.L.PET	0.6759008515	0.331228545
## LGRE_align.L.PET	0.3157453419	0.431594368
## HGRE_align.L.PET	0.8226215941	0.009299922
## LGSRE_align.L.PET	0.3264262184	0.431648893
## HGSRE_align.L.PET	0.8259758999	0.015802846
## LGHRE_align.L.PET	0.2694437991	0.426302868
## HGLRE_align.L.PET	0.8058752154	-0.017499616
## GLNU_norm_align.L.PET	0.3566807129	0.265294191
## RLNU_norm_align.L.PET	0.6919491066	0.336209817
## GLVAR_align.L.PET	0.9619583857	0.337362626
## RLVAR_align.L.PET	0.1548023008	0.084423685
## Entropy_align.L.PET	0.6821832817	0.278594062
## SZSE.L.PET	0.6808100192	0.336708917
## LZSE.L.PET	0.2834051053	0.132550732
## LGLZE.L.PET	0.3220884517	0.411828116
## HGLZE.L.PET	0.8280647250	0.026876024
## SZLGE.L.PET	0.3523505350	0.400301636
## SZHGE.L.PET	0.8293855422	0.056991139
## LZLGE.L.PET	0.1278785937	0.369109526
## LZHGE.L.PET	0.6315420466	-0.095043321

## GLNU_area.L.PET	-0.2388838463	-0.127891730
## ZSNU.L.PET	-0.1791574239	-0.164225631
## ZSP.L.PET	0.7041744511	0.346243574
## GLNU_norm.L.PET	0.3560979717	0.260338276
## ZSNU_norm.L.PET	0.7248676679	0.345602969
## GLVAR_area.L.PET	0.9586129579	0.339540494
## ZSVAR.L.PET	-0.0766236725	-0.041640990
## Entropy_area.L.PET	0.6552999650	0.273320432
## Max_cooc.H.PET	0.3732503620	0.375295906
## Average_cooc.H.PET	0.7061019720	0.387748380
## Variance_cooc.H.PET	0.4667136282	0.023121597
## Entropy_cooc.H.PET	0.5218942374	0.314255835
## DAVE_cooc.H.PET	0.5631040616	0.113198657
## DVAR_cooc.H.PET	0.5379509979	0.031556463
## DENT_cooc.H.PET	0.3833397370	0.214918584
## SAVE_cooc.H.PET	0.6825770991	0.368276971
## SVAR_cooc.H.PET	0.4214628706	0.096989194
## SENT_cooc.H.PET	0.4613360127	0.205822155
## ASM_cooc.H.PET	0.3346887046	0.282614987
## Contrast_cooc.H.PET	0.4987365171	0.008747212
## Dissimilarity_cooc.H.PET	0.5631040616	0.113198657
## Inv_diff_cooc.H.PET	0.5270331019	0.370966863
## Inv_diff_norm_cooc.H.PET	0.6570578832	0.353253326
## IDM_cooc.H.PET	0.4726159933	0.343657169
## IDM_norm_cooc.H.PET	0.6563564124	0.343079127
## Inv_var_cooc_.H.PET	0.2954084009	0.250901993
## Correlation_cooc.H.PET	0.3427833067	0.269424220
## Autocorrelation_cooc.H.PET	0.7113176031	0.419345043
## Tendency_cooc.H.PET	0.4076687133	0.028805006
## Shade_cooc.H.PET	-0.1407133117	0.441492061
## Prominence_cooc.H.PET	0.1939101209	-0.160228943
## IC1_d.H.PET	-0.0933369411	-0.242574551
## IC2_d.H.PET	0.4395462206	0.351306991
## Coarseness_vdif.H.PET	0.3168492946	0.130059049
## Contrast_vdif.H.PET	0.4484149517	-0.047179692
## Busyness_vdif.H.PET	-0.1259245028	-0.032197658
## Complexity_vdif.H.PET	0.5516481692	0.114051133
## Strength_vdif.H.PET	0.1106566307	0.181295652
## SRE_align.H.PET	0.6177118090	0.285346120
## LRE_align.H.PET	0.4851649602	0.326190842
## RLNU_align.H.PET	-0.1849113366	-0.162734565
## RP_align.H.PET	0.6137857659	0.277916544
## LGRE_align.H.PET	0.2885245879	0.086745822
## HGRE_align.H.PET	0.6793800552	0.414326802
## LGSRE_align.H.PET	0.2878906835	0.087032496
## HGSRE_align.H.PET	0.6795245232	0.413882204
## LGHRE_align.H.PET	0.2921360245	0.086438605
## HGLRE_align.H.PET	0.3965533952	0.268736946
## GLNU_norm_align.H.PET	0.5274257308	0.387471238
## RLNU_norm_align.H.PET	0.5704612046	0.246432373
## GLVAR_align.H.PET	0.4100433914	-0.027530263
## RLVAR_align.H.PET	0.2447898115	0.220191614
## Entropy_align.H.PET	0.4641047722	0.200100774
## SZSE.H.PET	0.4794642253	0.251600051

## LZSE.H.PET	0.0461119984	0.169147084
## LGLZE.H.PET	0.2877166509	0.082853114
## HGLZE.H.PET	0.5780518954	0.511025168
## SZLGE.H.PET	0.2862231747	0.087577049
## SZHGE.H.PET	0.4984999036	0.457040410
## LZLGE.H.PET	0.0802777475	0.146730020
## LZHGE.H.PET	0.0642835815	0.150518315
## GLNU_area.H.PET	-0.1866427471	-0.146269432
## ZSNU.H.PET	-0.1650317650	-0.146231112
## ZSP.H.PET	0.3674158017	0.174322185
## GLNU_norm.H.PET	0.5818945686	0.341890647
## ZSNU_norm.H.PET	0.3840779194	0.216566115
## GLVAR_area.H.PET	0.3697360409	-0.036447592
## ZSVAR_H.PET	0.0493416178	0.149407654
## Entropy_area.H.PET	0.4924062412	0.211285423
## Max_cooc.W.PET	0.3500467891	0.301748973
## Average_cooc.W.PET	0.1921769073	-0.017017640
## Variance_cooc.W.PET	0.0796379160	0.127807743
## Entropy_cooc.W.PET	0.4517004877	0.192472619
## DAVE_cooc.W.PET	0.2918588518	0.142624574
## DVAR_cooc.W.PET	0.1088684020	0.118104742
## DENT_cooc.W.PET	0.4730174230	0.232118661
## SAVE_cooc.W.PET	0.1916382380	-0.017226200
## SVAR_cooc.W.PET	0.0554823880	0.132652453
## SENT_cooc.W.PET	0.5223725539	0.265987242
## ASM_cooc.W.PET	0.3427140880	0.226344473
## Contrast_cooc.W.PET	0.1354160100	0.103582193
## Dissimilarity_cooc.W.PET	0.2918588518	0.142624574
## Inv_diff_cooc.W.PET	0.5747422116	0.322746097
## Inv_diff_norm_cooc.W.PET	0.5959721152	0.311982884
## IDM_cooc.W.PET	0.5070663566	0.302729516
## IDM_norm_cooc.W.PET	0.6231023061	0.316852263
## Inv_var_cooc.W.PET	0.5409259367	0.290251129
## Correlation_cooc.W.PET	0.3491913460	0.331894726
## Autocorrelation_cooc.W.PET	0.0045414050	-0.081666028
## Tendency_cooc.W.PET	0.0554823880	0.132652453
## Shade_cooc.W.PET	-0.0129639572	0.209351598
## Prominence_cooc.W.PET	-0.0542756900	0.085315658
## IC1_d.W.PET	-0.1624043079	-0.325925117
## IC2_d.W.PET	0.5396788306	0.415496531
## Coarseness_vdif.W.PET	0.5113317440	0.185661118
## Contrast_vdif.W.PET	0.4869965257	0.192831162
## Busyness_vdif.W.PET	0.3048954210	0.280032436
## Complexity_vdif.W.PET	-0.1032570094	0.010055976
## Strength_vdif.W.PET	0.2451018721	0.422392972
## SRE_align.W.PET	0.6419699679	0.309427253
## LRE_align.W.PET	0.6124122872	0.348117349
## GLNU_align.W.PET	-0.2007129867	-0.109565123
## RLNU_align.W.PET	-0.1930538220	-0.163058576
## RP_align.W.PET	0.6385179065	0.304067706
## LGRE_align.W.PET	0.5210266112	0.493240380
## HGRE_align.W.PET	-0.0078489348	-0.087980504
## LGSRE_align.W.PET	0.5468496901	0.495352781
## HGSRE_align.W.PET	-0.0074212533	-0.081657963

## LGHRE_align.W.PET	0.3955468521	0.461207240	
## HGLRE_align.W.PET	-0.0106819893	-0.115310826	
## GLNU_norm_align.W.PET	0.5152216794	0.382066201	
## RLNU_norm_align.W.PET	0.6172426093	0.288920105	
## GLVAR_align.W.PET	0.0451167916	0.064319167	
## RLVAR_align.W.PET	0.3049938019	0.238436986	
## Entropy_align.W.PET	0.4708109405	0.193686605	
## SZSE.W.PET	0.5813521712	0.286133427	
## LZSE.W.PET	0.2243370550	0.209474666	
## LGLZE.W.PET	0.5291358162	0.453867472	
## HGLZE.W.PET	-0.0047543749	-0.068632145	
## SZLGE.W.PET	0.5512157720	0.445971077	
## SZHGE.W.PET	-0.0019487423	-0.045596149	
## LZLGE.W.PET	0.1329533666	0.278821576	
## LZHGE.W.PET	0.0146053541	-0.197284900	
## GLNU_area.W.PET	-0.1959407631	-0.127828007	
## ZSNU.W.PET	-0.1783749675	-0.153676095	
## ZSP.W.PET	0.5090906059	0.231854862	
## GLNU_norm.W.PET	0.5454411735	0.358451538	
## ZSNU_norm.W.PET	0.5022616359	0.247136798	
## GLVAR_area.W.PET	0.0394695806	0.066160215	
## ZSVAR.W.PET	0.1556173151	0.176912725	
## Entropy_area.W.PET	0.5052716207	0.220603522	
## Min_hist.ADC	0.4136992086	0.196166876	
## Max_hist.ADC	0.4386685729	0.249197004	
## Mean_hist.ADC	0.5554855144	0.341007688	
## Variance_hist.ADC	0.1107991400	0.091636782	
## Standard_Deviation_hist.ADC	0.3358372431	0.196185878	
## Skewness_hist.ADC	0.1371234898	-0.024172200	
## Kurtosis_hist.ADC	0.1570206130	0.226684730	
## Energy_hist.ADC	0.3324674124	0.123773829	
## Entropy_hist.ADC	0.5304054174	0.267273909	
## AUC_hist.ADC	0.6165550846	0.261272864	
## Volume.ADC	-0.1552363979	-0.139094852	
## X3D_surface.ADC	0.0088171067	-0.001021592	
## ratio_3ds_vol.ADC	0.6265344726	0.298755502	
## ratio_3ds_vol_norm.ADC	0.5279682942	0.288776089	
## irregularity.ADC	0.6906123039	0.308297097	
## Compactness_v1.ADC	0.5044884875	0.205033018	
##	Prominence_cooc.L.PET	IC1_.L.PET	IC2_.L.PET
## Failure	0.127982013	-0.0792520825	0.052042552
## Entropy_cooc.W.ADC	-0.149107647	0.0806435385	-0.027194923
## GLNU_align.H.PET	-0.227403539	0.2467869240	-0.116405914
## Min_hist.PET	0.134180476	-0.0589437617	0.384550109
## Max_hist.PET	-0.044003304	0.0580952718	0.340436231
## Mean_hist.PET	0.069692045	-0.0089883129	0.363584641
## Variance_hist.PET	-0.042518833	0.0652576960	0.156006887
## Standard_Deviation_hist.PET	0.067413895	0.0051103784	0.383372023
## Skewness_hist.PET	0.267423795	-0.2002747374	0.490395652
## Kurtosis_hist.PET	-0.171188411	0.1389359956	0.016998212
## Energy_hist.PET	0.307524833	-0.0796097730	0.562180084
## Entropy_hist.PET	0.193150593	-0.0937990665	0.658743370
## AUC_hist.PET	0.447874197	-0.3350914682	0.897175794
## H_suv.PET	0.153406264	-0.0180203580	0.433619027

## Volume.PET	-0.309059749	0.2275448935	0.021508628
## X3D_surface.PET	-0.196378928	0.2006165186	0.072831844
## ratio_3ds_vol.PET	0.608956132	-0.5286141991	0.759893100
## ratio_3ds_vol_norm.PET	0.333220711	-0.1382946879	0.610299206
## irregularity.PET	0.564926587	-0.5102419884	0.947897753
## tumor_length.PET	-0.010298992	0.1402109707	0.403324840
## Compactness_v1.PET	0.171732722	0.0912806005	0.534044360
## Compactness_v2.PET	-0.140851718	0.0509913160	0.026694612
## Spherical_disproportion.PET	0.333220711	-0.1382946879	0.610299206
## Sphericity.PET	-0.131388012	-0.0118586970	0.013834651
## Asphericity.PET	0.324230616	-0.1287531671	0.592271023
## Center_of_mass.PET	0.072772619	-0.0410859899	0.311792520
## Max_3D_diam.PET	-0.220613108	0.1520512411	0.151780445
## Major_axis_length.PET	-0.167165633	0.1628485265	0.214237706
## Minor_axis_length.PET	-0.079774245	0.1599956766	0.362301689
## Least_axis_length.PET	-0.123743077	0.1739264312	0.260716301
## Elongation.PET	0.454174845	-0.3197224092	0.809996775
## Flatness.PET	0.412222682	-0.2717061325	0.720604366
## Max_cooc.L.PET	0.245151638	0.0174183103	0.542563745
## Average_cooc.L.PET	0.625789271	-0.4954384737	0.830896838
## Variance_cooc.L.PET	0.889208949	-0.6927721438	0.810919283
## Entropy_cooc.L.PET	0.466119143	-0.3039745034	0.858210023
## DAVE_cooc.L.PET	0.717263589	-0.5894499133	0.832421771
## DVAR_cooc.L.PET	0.613126780	-0.5329809602	0.748390871
## DENT_cooc.L.PET	0.583164052	-0.4505857800	0.919188587
## SAVE_cooc.L.PET	0.625774528	-0.4957333569	0.830627870
## SVAR_cooc.L.PET	0.938254994	-0.6833276456	0.819116339
## SENT_cooc.L.PET	0.568539307	-0.4172753391	0.935397410
## ASM_cooc.L.PET	0.224043869	0.0592345362	0.510144381
## Contrast_cooc.L.PET	0.691627346	-0.6146006809	0.688658834
## Dissimilarity_cooc.L.PET	0.717263589	-0.5894499133	0.832421771
## Inv_diff_cooc.L.PET	0.118181747	-0.0613964329	0.688700232
## Inv_diff_norm_cooc.L.PET	0.400163368	-0.3040402056	0.872342455
## IDM_cooc.L.PET	0.034487296	0.0181588158	0.607970736
## IDM_norm_cooc.L.PET	0.428606913	-0.3256138244	0.884797472
## Inv_var_cooc.L.PET	0.042870864	0.0245111105	0.608310517
## Correlation_cooc.L.PET	0.263496195	-0.1314041151	0.573822872
## Autocorrelation_cooc.L.PET	0.664435881	-0.5155993427	0.697986094
## Tendency_cooc.L.PET	0.938254994	-0.6833276456	0.819116339
## Shade_cooc.L.PET	0.678951091	-0.4191443749	0.454915932
## Prominence_cooc.L.PET	1.000000000	-0.7008061877	0.691472178
## IC1_.L.PET	-0.700806188	1.0000000000	-0.641053891
## IC2_.L.PET	0.691472178	-0.6410538914	1.000000000
## Coarseness_vdif_.L.PET	0.453480911	-0.2950650867	0.661432003
## Contrast_vdif_.L.PET	0.413844376	-0.5727635887	0.406627391
## Busyness_vdif_.L.PET	-0.286713723	0.2447268589	0.041765989
## Complexity_vdif_.L.PET	0.636980228	-0.5540560723	0.795766756
## Strength_vdif_.L.PET	0.599310378	-0.7537494192	0.560016239
## SRE_align.L.PET	0.478940596	-0.3667887825	0.906229089
## LRE_align.L.PET	0.394027229	-0.3147876160	0.871343746
## GLNU_align.L.PET	-0.359307544	0.2420507522	0.012206722
## RLNU_align.L.PET	-0.331426178	0.2475052220	-0.009702735
## RP_align.L.PET	0.483858762	-0.3704642052	0.908031900
## LGRE_align.L.PET	0.308931142	-0.1659290062	0.623029328

## HGRE_align.L.PET	0.634767302	-0.5225956782	0.708980105
## LGSRE_align.L.PET	0.317539657	-0.1682529974	0.630398847
## HGSRE_align.L.PET	0.640389071	-0.5282545403	0.710491812
## LGHRE_align.L.PET	0.270373490	-0.1529266222	0.589638817
## HGLRE_align.L.PET	0.609077999	-0.4977053278	0.700568480
## GLNU_norm_align.L.PET	0.287219715	-0.1022478285	0.686161445
## RLNU_norm_align.L.PET	0.500430564	-0.3820312857	0.913472615
## GLVAR_align.L.PET	0.848592689	-0.6465205736	0.809640290
## RLVAR_align.L.PET	0.036173535	0.1115439406	0.558431768
## Entropy_align.L.PET	0.466697856	-0.3321592641	0.874009621
## SZSE.L.PET	0.496671869	-0.3702533265	0.894090665
## LZSE.L.PET	0.134137692	-0.1501239667	0.568700335
## LGLZE.L.PET	0.307452303	-0.1684154240	0.633964353
## HGLZE.L.PET	0.640006270	-0.5321733495	0.719534358
## SZLGE.L.PET	0.329912508	-0.1776638350	0.652855280
## SZHGE.L.PET	0.650619959	-0.5412897959	0.719887450
## LZLGE.L.PET	0.144148012	-0.0867119990	0.458657134
## LZHGE.L.PET	0.448654763	-0.3778414235	0.563576206
## GLNU_area.L.PET	-0.350857160	0.2411445453	0.012336819
## ZSNU.L.PET	-0.318459031	0.2471685387	-0.011789678
## ZSP.L.PET	0.517096590	-0.3900010974	0.908032517
## GLNU_norm.L.PET	0.284156405	-0.0961742636	0.685586436
## ZSNU_norm.L.PET	0.532684940	-0.4096596531	0.920272589
## GLVAR_area.L.PET	0.841269526	-0.6470248006	0.818727262
## ZSVAR.L.PET	-0.168382374	0.1225432006	0.296308897
## Entropy_area.L.PET	0.441036157	-0.3090748337	0.862006134
## Max_cooc.H.PET	0.425559710	-0.3754002435	0.454851539
## Average_cooc.H.PET	0.543842661	-0.4484726211	0.918489190
## Variance_cooc.H.PET	0.212096585	-0.1591257813	0.688641636
## Entropy_cooc.H.PET	0.377226158	-0.2384249057	0.698725288
## DAVE_cooc.H.PET	0.334553131	-0.2563150788	0.747345967
## DVAR_cooc.H.PET	0.290298205	-0.2445149356	0.724622752
## DENT_cooc.H.PET	0.207266872	-0.0976925901	0.580357345
## SAVE_cooc.H.PET	0.507420294	-0.3971580293	0.902441697
## SVAR_cooc.H.PET	0.194313918	-0.1181609774	0.672157161
## SENT_cooc.H.PET	0.326844457	-0.1158589017	0.667470888
## ASM_cooc.H.PET	0.361272887	-0.2825224214	0.429011876
## Contrast_cooc.H.PET	0.264624824	-0.2071790250	0.655194158
## Dissimilarity_cooc.H.PET	0.334553131	-0.2563150788	0.747345967
## Inv_diff_cooc.H.PET	0.461493523	-0.3941786592	0.715193646
## Inv_diff_norm_cooc.H.PET	0.475247992	-0.3671624378	0.906816709
## IDM_cooc.H.PET	0.432360945	-0.3775396052	0.634681607
## IDM_norm_cooc.H.PET	0.469954210	-0.3617611738	0.903934512
## Inv_var_cooc.H.PET	0.213510669	0.0748023561	0.582070285
## Correlation_cooc.H.PET	0.226434911	-0.1233881109	0.574370146
## Autocorrelation_cooc.H.PET	0.579966462	-0.4859818217	0.899959342
## Tendency_cooc.H.PET	0.164735842	-0.1189608322	0.645099036
## Shade_cooc.H.PET	0.096650484	-0.0213298744	-0.308495452
## Prominence_cooc.H.PET	-0.040959635	0.0478644163	0.407204578
## IC1_d.H.PET	-0.116341900	0.2770241007	-0.116701750
## IC2_d.H.PET	0.313705040	-0.2303929262	0.703317820
## Coarseness_vdif.H.PET	0.262805028	0.0147291727	0.525939839
## Contrast_vdif.H.PET	0.373301262	-0.5040147229	0.439491169
## Busyness_vdif.H.PET	-0.201670358	0.0515305526	-0.087932440

## Complexity_vdif.H.PET	0.414873224	-0.2519822887	0.714290813
## Strength_vdif.H.PET	0.170820591	-0.1931091887	0.115518605
## SRE_align.H.PET	0.416777183	-0.3054081432	0.855015249
## LRE_align.H.PET	0.402778863	-0.3265834027	0.636283288
## RLNU_align.H.PET	-0.320975803	0.2515226392	-0.010818450
## RP_align.H.PET	0.412882945	-0.3050936182	0.845239347
## LGRE_align.H.PET	0.211462037	0.0806497757	0.513431917
## HGRE_align.H.PET	0.543920530	-0.4848956904	0.891445542
## LGSRE_align.H.PET	0.211689995	0.0810472261	0.511780802
## HGSRE_align.H.PET	0.526056882	-0.4684536998	0.908072218
## LGHRE_align.H.PET	0.210724992	0.0777954750	0.522936346
## HGLRE_align.H.PET	0.355067040	-0.3074182166	0.484465305
## GLNU_norm_align.H.PET	0.521756122	-0.4492149004	0.627712412
## RLNU_norm_align.H.PET	0.370473664	-0.2607397600	0.787554248
## GLVAR_align.H.PET	0.150453023	-0.1048295696	0.639885387
## RLVAR_align.H.PET	0.231287535	-0.1753205012	0.329145167
## Entropy_align.H.PET	0.247081339	-0.1453762283	0.718485921
## SZSE.H.PET	0.295726458	-0.1756417225	0.711546163
## LZSE.H.PET	0.097796232	-0.0695424165	-0.006080087
## LGLZE.H.PET	0.209182824	0.0820955783	0.512969799
## HGLZE.H.PET	0.473783505	-0.3501504868	0.795953393
## SZLGE.H.PET	0.210945715	0.0823336221	0.509016961
## SZHGE.H.PET	0.376780187	-0.3473351876	0.747893992
## LZLGE.H.PET	0.112572033	-0.0847023259	0.074133002
## LZHGE.H.PET	0.110077298	-0.0779819596	0.012855661
## GLNU_area.H.PET	-0.321335004	0.2478703309	0.003848060
## ZSNU.H.PET	-0.291459195	0.2350864959	-0.023930801
## ZSP.H.PET	0.201324707	-0.1054560467	0.538086934
## GLNU_norm.H.PET	0.560832070	-0.4584225647	0.644783923
## ZSNU_norm.H.PET	0.220045956	-0.1095944941	0.586080276
## GLVAR_area.H.PET	0.109431911	-0.0704860154	0.613621584
## ZSVAR.H.PET	0.096055251	-0.0765415570	0.003318513
## Entropy_area.H.PET	0.268529278	-0.1713071207	0.767793835
## Max_cooc.W.PET	0.370183426	-0.2680139361	0.489464729
## Average_cooc.W.PET	0.010071577	0.0386062321	0.349981367
## Variance_cooc.W.PET	0.002720644	0.0321682832	0.175472285
## Entropy_cooc.W.PET	0.242227099	-0.1363171564	0.677535226
## DAVE_cooc.W.PET	0.142989097	-0.0544902606	0.418706374
## DVAR_cooc.W.PET	0.022288475	0.0207493381	0.198990548
## DENT_cooc.W.PET	0.279978917	-0.1710084912	0.685101658
## SAVE_cooc.W.PET	0.009617486	0.0384647817	0.349036289
## SVAR_cooc.W.PET	-0.012193655	0.0396446651	0.156003162
## SENT_cooc.W.PET	0.331324714	-0.1980924060	0.767262876
## ASM_cooc.W.PET	0.331984897	-0.1449541510	0.507678832
## Contrast_cooc.W.PET	0.041248086	0.0096275291	0.210149878
## Dissimilarity_cooc.W.PET	0.142989097	-0.0544902606	0.418706374
## Inv_diff_cooc.W.PET	0.472934099	-0.4092293638	0.773402861
## Inv_diff_norm_cooc.W.PET	0.404270723	-0.3088274504	0.874909604
## IDM_cooc.W.PET	0.440589580	-0.3936929735	0.674752314
## IDM_norm_cooc.W.PET	0.429605064	-0.3273547398	0.885658684
## Inv_var_cooc.W.PET	0.452842802	-0.3877706258	0.724611225
## Correlation_cooc.W.PET	0.254572628	-0.1214667594	0.569243024
## Autocorrelation_cooc.W.PET	-0.120724479	0.1220225902	0.114110636
## Tendency_cooc.W.PET	-0.012193655	0.0396446651	0.156003162

## Shade_cooc.W.PET	0.004512165	-0.0108425707	0.058433766
## Prominence_cooc.W.PET	-0.058571448	0.0260200813	0.010867938
## IC1_d.W.PET	-0.194569524	0.4006228530	-0.170063678
## IC2_d.W.PET	0.412142045	-0.3370844801	0.811427127
## Coarseness_vdif.W.PET	0.470854473	-0.4032302042	0.655377842
## Contrast_vdif.W.PET	0.376072479	-0.2426354157	0.499595827
## Busyness_vdif.W.PET	0.303298370	-0.1445024371	0.196148113
## Complexity_vdif.W.PET	-0.165863577	0.1146895641	0.059505956
## Strength_vdif.W.PET	0.293645110	-0.3213885098	0.348341715
## SRE_align.W.PET	0.444761251	-0.3332447440	0.883949330
## LRE_align.W.PET	0.466770074	-0.3880280230	0.827322005
## GLNU_align.W.PET	-0.315810031	0.2200298328	0.019868238
## RLNU_align.W.PET	-0.327970177	0.2490894235	-0.008812816
## RP_align.W.PET	0.440456516	-0.3299253610	0.878497625
## LGRE_align.W.PET	0.554159879	-0.4359920242	0.610157494
## HGRE_align.W.PET	-0.134981835	0.1287606318	0.109395194
## LGSRE_align.W.PET	0.570888217	-0.4405612162	0.642306181
## HGSRE_align.W.PET	-0.131900783	0.1256273624	0.107711276
## LGHRE_align.W.PET	0.459413198	-0.3730508378	0.450314394
## HGLRE_align.W.PET	-0.149153901	0.1422604522	0.115845468
## GLNU_norm_align.W.PET	0.510225485	-0.4130775856	0.637942580
## RLNU_norm_align.W.PET	0.417669707	-0.3030313146	0.851595483
## GLVAR_align.W.PET	-0.046270050	0.0662298933	0.154611414
## RLVAR_align.W.PET	0.280159066	-0.1951574559	0.419150099
## Entropy_align.W.PET	0.251740808	-0.1546165895	0.721813241
## SZSE.W.PET	0.389844508	-0.2836230791	0.821916262
## LZSE.W.PET	0.246252292	-0.2051886858	0.208492001
## LGLZE.W.PET	0.541750365	-0.4054293937	0.624948237
## HGLZE.W.PET	-0.128740694	0.1186189541	0.116464401
## SZLGE.W.PET	0.544504115	-0.3708887512	0.680539326
## SZHGE.W.PET	-0.117041460	0.1056071780	0.113117710
## LZLGE.W.PET	0.220128058	-0.1601971759	0.082024702
## LZHGE.W.PET	-0.151380361	0.1407319473	0.154068459
## GLNU_area.W.PET	-0.321258354	0.2333888913	0.016083285
## ZSNU.W.PET	-0.309209464	0.2416165264	-0.014205114
## ZSP.W.PET	0.314839856	-0.2209343250	0.736438693
## GLNU_norm.W.PET	0.527068735	-0.4240448473	0.660479242
## ZSNU_norm.W.PET	0.312483643	-0.2253050184	0.736572098
## GLVAR_area.W.PET	-0.051962828	0.0656938059	0.158893007
## ZSVAR.W.PET	0.191837113	-0.1534563007	0.121033893
## Entropy_area.W.PET	0.287114461	-0.1764782938	0.762992734
## Min_hist.ADC	0.396925335	-0.3821085455	0.398637787
## Max_hist.ADC	0.268113999	-0.2002015966	0.715463650
## Mean_hist.ADC	0.428046671	-0.3980234765	0.790332767
## Variance_hist.ADC	0.024410349	0.0271427683	0.329411701
## Standard_Deviation_hist.ADC	0.195398287	-0.1332786773	0.596216728
## Skewness_hist.ADC	0.038320354	0.0541088820	0.148619452
## Kurtosis_hist.ADC	0.131771020	-0.0649835265	0.259292417
## Energy_hist.ADC	0.271398994	0.0187737292	0.538206449
## Entropy_hist.ADC	0.331002748	-0.2222161657	0.791712022
## AUC_hist.ADC	0.408022346	-0.2892923800	0.851614439
## Volume.ADC	-0.300055042	0.1955600629	0.023575264
## X3D_surface.ADC	-0.121879294	0.1828526314	0.188219483
## ratio_3ds_vol.ADC	0.541462152	-0.5200240868	0.752900495

## ratio_3ds_vol_norm.ADC	0.335792240	-0.2789332739	0.789297713
## irregularity.ADC	0.503367417	-0.4328490739	0.910794839
## Compactness_v1.ADC	0.392877650	-0.1109317051	0.734222393
##	Coarseness_vdif_.L.PET	Contrast_vdif_.L.PET	
## Failure	0.093682149	0.068889177	
## Entropy_cooc.W.ADC	-0.057141674	-0.119557218	
## GLNU_align.H.PET	-0.078103906	-0.206244320	
## Min_hist.PET	0.068999848	0.096938427	
## Max_hist.PET	0.015455846	-0.064958476	
## Mean_hist.PET	0.041235239	0.033934932	
## Variance_hist.PET	-0.052344117	-0.099593836	
## Standard_Deviation_hist.PET	0.055838204	-0.033046114	
## Skewness_hist.PET	0.299968510	0.089259455	
## Kurtosis_hist.PET	0.081353853	-0.105581293	
## Energy_hist.PET	0.963456237	0.377970032	
## Entropy_hist.PET	0.213741406	-0.007410318	
## AUC_hist.PET	0.513004937	0.231788138	
## H_suv.PET	0.184474869	0.093365733	
## Volume.PET	-0.276982319	-0.229186717	
## X3D_surface.PET	-0.053603033	-0.194868032	
## ratio_3ds_vol.PET	0.786300153	0.481893156	
## ratio_3ds_vol_norm.PET	0.580054362	0.076940099	
## irregularity.PET	0.560811303	0.364088607	
## tumor_length.PET	0.150437829	-0.194580048	
## Compactness_v1.PET	0.818800119	0.182768019	
## Compactness_v2.PET	-0.294413962	-0.090198379	
## Spherical_disproportion.PET	0.580054362	0.076940099	
## Sphericity.PET	-0.411530098	-0.083830331	
## Asphericity.PET	0.576141111	0.070968316	
## Center_of_mass.PET	0.066611182	-0.165416582	
## Max_3D_diam.PET	-0.298068742	-0.266832796	
## Major_axis_length.PET	-0.173342315	-0.243379072	
## Minor_axis_length.PET	-0.035770316	-0.226086115	
## Least_axis_length.PET	-0.154995120	-0.239030556	
## Elongation.PET	0.516391088	0.287960456	
## Flatness.PET	0.389073559	0.275238826	
## Max_cooc.L.PET	0.930078736	0.234001331	
## Average_cooc.L.PET	0.484752820	0.367303089	
## Variance_cooc.L.PET	0.529953247	0.591698114	
## Entropy_cooc.L.PET	0.386380224	0.155051152	
## DAVE_cooc.L.PET	0.534260699	0.609508029	
## DVAR_cooc.L.PET	0.546875178	0.588440947	
## DENT_cooc.L.PET	0.494158982	0.344748979	
## SAVE_cooc.L.PET	0.483825543	0.367196793	
## SVAR_cooc.L.PET	0.497958738	0.438136354	
## SENT_cooc.L.PET	0.551673738	0.273141591	
## ASM_cooc.L.PET	0.919533932	0.221614801	
## Contrast_cooc.L.PET	0.509189942	0.755918164	
## Dissimilarity_cooc.L.PET	0.534260699	0.609508029	
## Inv_diff_cooc.L.PET	0.438662565	-0.022069213	
## Inv_diff_norm_cooc.L.PET	0.457687123	0.166108961	
## IDM_cooc.L.PET	0.464651059	-0.050363440	
## IDM_norm_cooc.L.PET	0.466372383	0.188691421	
## Inv_var_cooc.L.PET	0.460331226	-0.066880388	

## Correlation_cooc.L.PET	0.234650840	-0.263175660
## Autocorrelation_cooc.L.PET	0.460503219	0.351850101
## Tendency_cooc.L.PET	0.497958738	0.438136354
## Shade_cooc.L.PET	0.207704047	0.110792652
## Prominence_cooc.L.PET	0.453480911	0.413844376
## IC1_.L.PET	-0.295065087	-0.572763589
## IC2_.L.PET	0.661432003	0.406627391
## Coarseness_vdif_.L.PET	1.000000000	0.436428455
## Contrast_vdif_.L.PET	0.436428455	1.000000000
## Busyness_vdif_.L.PET	-0.215533227	-0.233774856
## Complexity_vdif_.L.PET	0.585149762	0.714898066
## Strength_vdif_.L.PET	0.598600813	0.741040119
## SRE_align.L.PET	0.493616085	0.246161911
## LRE_align.L.PET	0.444873897	0.180978200
## GLNU_align.L.PET	-0.209311731	-0.257371626
## RLNU_align.L.PET	-0.259096879	-0.253831916
## RP_align.L.PET	0.495788084	0.250216254
## LGRE_align.L.PET	0.635156025	0.261680853
## HGRE_align.L.PET	0.479702340	0.413867853
## LGSRE_align.L.PET	0.646795440	0.268069344
## HGSRE_align.L.PET	0.484036357	0.421642119
## LGHRE_align.L.PET	0.586345382	0.232605143
## HGLRE_align.L.PET	0.459888645	0.381120892
## GLNU_norm_align.L.PET	0.856618469	0.278700662
## RLNU_norm_align.L.PET	0.503654340	0.264048020
## GLVAR_align.L.PET	0.516780188	0.542299239
## RLVAR_align.L.PET	0.669062128	0.008714321
## Entropy_align.L.PET	0.409512391	0.170729397
## SZSE.L.PET	0.509453104	0.266084812
## LZSE.L.PET	0.222241004	0.019884435
## LGLZE.L.PET	0.648717189	0.277649535
## HGLZE.L.PET	0.484283001	0.427091504
## SZLGE.L.PET	0.687815152	0.310054783
## SZHGE.L.PET	0.498952119	0.451907619
## LZLGE.L.PET	0.418348814	0.105557413
## LZHGE.L.PET	0.320526303	0.240172093
## GLNU_area.L.PET	-0.213805561	-0.254175363
## ZSNU.L.PET	-0.264389093	-0.247654917
## ZSP.L.PET	0.516029640	0.282846569
## GLNU_norm.L.PET	0.858050691	0.276915449
## ZSNU_norm.L.PET	0.525867990	0.304447484
## GLVAR_area.L.PET	0.523883853	0.546434574
## ZSVAR.L.PET	0.177692879	-0.156673970
## Entropy_area.L.PET	0.394095302	0.145925698
## Max_cooc.H.PET	0.538945043	0.225467079
## Average_cooc.H.PET	0.502210965	0.273870539
## Variance_cooc.H.PET	0.287630333	0.104532475
## Entropy_cooc.H.PET	0.256589075	0.199039930
## DAVE_cooc.H.PET	0.373927339	0.309428674
## DVAR_cooc.H.PET	0.400993007	0.278758038
## DENT_cooc.H.PET	0.158062375	0.087364901
## SAVE_cooc.H.PET	0.457228211	0.225530275
## SVAR_cooc.H.PET	0.274330474	-0.021991198
## SENT_cooc.H.PET	0.539313428	0.158465058

## ASM_cooc.H.PET	0.597111110	0.192032360
## Contrast_cooc.H.PET	0.347542345	0.319049802
## Dissimilarity_cooc.H.PET	0.373927339	0.309428674
## Inv_diff_cooc.H.PET	0.547092617	0.153911963
## Inv_diff_norm_cooc.H.PET	0.496297479	0.214783859
## IDM_cooc.H.PET	0.528289627	0.144403591
## IDM_norm_cooc.H.PET	0.486669864	0.221279503
## Inv_var_cooc_.H.PET	0.768396038	0.106568989
## Correlation_cooc.H.PET	0.230862434	-0.247588739
## Autocorrelation_cooc.H.PET	0.521924804	0.273003408
## Tendency_cooc.H.PET	0.229425338	-0.020718048
## Shade_cooc.H.PET	-0.123934638	0.055774876
## Prominence_cooc.H.PET	0.069515123	-0.128282029
## IC1_d.H.PET	0.339456526	0.282378782
## IC2_d.H.PET	0.312151379	-0.085884653
## Coarseness_vdif.H.PET	0.936395333	0.260573883
## Contrast_vdif.H.PET	0.482648508	0.335500101
## Busyness_vdif.H.PET	-0.428332653	-0.144148059
## Complexity_vdif.H.PET	0.708396107	0.384625723
## Strength_vdif.H.PET	0.203425663	0.212503896
## SRE_align.H.PET	0.446402555	0.250690228
## LRE_align.H.PET	0.371674037	0.066139520
## RLNU_align.H.PET	-0.243510159	-0.233770221
## RP_align.H.PET	0.443587241	0.262077616
## LGRE_align.H.PET	0.902802131	0.197396229
## HGRE_align.H.PET	0.523112755	0.286988956
## LGSRE_align.H.PET	0.903250688	0.198362107
## HGSRE_align.H.PET	0.510537944	0.339124758
## LGHRE_align.H.PET	0.900369114	0.190125419
## HGLRE_align.H.PET	0.313155285	0.045474963
## GLNU_norm_align.H.PET	0.588897229	0.303199062
## RLNU_norm_align.H.PET	0.403431703	0.263326565
## GLVAR_align.H.PET	0.246129370	0.051853769
## RLVAR_align.H.PET	0.228898065	-0.060732364
## Entropy_align.H.PET	0.252810780	0.029496241
## SZSE.H.PET	0.343737874	0.190412361
## LZSE.H.PET	-0.056511409	-0.068250638
## LGLZE.H.PET	0.900330285	0.194649079
## HGLZE.H.PET	0.391356337	0.144490700
## SZLGE.H.PET	0.902004206	0.197523951
## SZHGE.H.PET	0.366523633	0.332692766
## LZLGE.H.PET	0.074121328	-0.065080908
## LZHGE.H.PET	-0.002758620	-0.064803987
## GLNU_area.H.PET	-0.257263277	-0.241333651
## ZSNU.H.PET	-0.233058054	-0.203120862
## ZSP.H.PET	0.227105563	0.174357096
## GLNU_norm.H.PET	0.595082834	0.289481561
## ZSNU_norm.H.PET	0.263270088	0.162382019
## GLVAR_area.H.PET	0.224681040	0.017430210
## ZSVAR_H.PET	-0.025787847	-0.072219499
## Entropy_area.H.PET	0.302126967	0.049003738
## Max_cooc.W.PET	0.716553842	0.259464803
## Average_cooc.W.PET	0.028484686	-0.049646526
## Variance_cooc.W.PET	-0.032156361	-0.079211770

## Entropy_cooc.W.PET	0.228447504	0.086872930
## DAVE_cooc.W.PET	0.100977936	0.086069297
## DVAR_cooc.W.PET	-0.018453106	-0.020987247
## DENT_cooc.W.PET	0.262512706	0.159532520
## SAVE_cooc.W.PET	0.026610358	-0.050088016
## SVAR_cooc.W.PET	-0.039933871	-0.107880965
## SENT_cooc.W.PET	0.368336308	0.126886738
## ASM_cooc.W.PET	0.834314169	0.228929838
## Contrast_cooc.W.PET	-0.010075310	0.002663886
## Dissimilarity_cooc.W.PET	0.100977936	0.086069297
## Inv_diff_cooc.W.PET	0.565290105	0.194575821
## Inv_diff_norm_cooc.W.PET	0.461806662	0.171535975
## IDM_cooc.W.PET	0.544051734	0.162088289
## IDM_norm_cooc.W.PET	0.468098431	0.192862990
## Inv_var_cooc.W.PET	0.566753791	0.180355631
## Correlation_cooc.W.PET	0.228634284	-0.271294891
## Autocorrelation_cooc.W.PET	-0.092293588	-0.129599140
## Tendency_cooc.W.PET	-0.039933871	-0.107880965
## Shade_cooc.W.PET	-0.011174315	-0.085339026
## Prominence_cooc.W.PET	-0.042067757	-0.095489602
## IC1_d.W.PET	0.352533360	0.221444611
## IC2_d.W.PET	0.411577388	0.025582809
## Coarseness_vdif.W.PET	0.979059893	0.568396797
## Contrast_vdif.W.PET	0.320885717	0.343948002
## Busyness_vdif.W.PET	-0.081391649	-0.093674067
## Complexity_vdif.W.PET	-0.075612430	-0.139168541
## Strength_vdif.W.PET	0.284180955	0.178683109
## SRE_align.W.PET	0.468353416	0.244582615
## LRE_align.W.PET	0.463024751	0.139007482
## GLNU_align.W.PET	-0.252010172	-0.280058834
## RLNU_align.W.PET	-0.247336759	-0.243120464
## RP_align.W.PET	0.464856630	0.250240064
## LGRE_align.W.PET	0.550663467	0.323280651
## HGRE_align.W.PET	-0.101709779	-0.127220806
## LGSRE_align.W.PET	0.578562809	0.351740353
## HGSRE_align.W.PET	-0.101252668	-0.123733618
## LGHRE_align.W.PET	0.405097011	0.190367033
## HGLRE_align.W.PET	-0.104630092	-0.143398848
## GLNU_norm_align.W.PET	0.675236058	0.314910153
## RLNU_norm_align.W.PET	0.441669146	0.254175503
## GLVAR_align.W.PET	-0.055091661	-0.100543042
## RLVAR_align.W.PET	0.376641648	-0.023909478
## Entropy_align.W.PET	0.258991657	0.057975375
## SZSE.W.PET	0.439171852	0.254310894
## LZSE.W.PET	0.160547184	-0.035701838
## LGLZE.W.PET	0.562368491	0.284533185
## HGLZE.W.PET	-0.098470576	-0.123445956
## SZLGE.W.PET	0.628682703	0.310344016
## SZHGE.W.PET	-0.094266970	-0.111769674
## LZLGE.W.PET	0.074523915	-0.012255601
## LZHGE.W.PET	-0.074226084	-0.201828146
## GLNU_area.W.PET	-0.253962937	-0.263394350
## ZSNU.W.PET	-0.237611857	-0.220580508
## ZSP.W.PET	0.362807533	0.249554625

## GLNU_norm.W.PET	0.698230366	0.309318806
## ZSNU_norm.W.PET	0.369502314	0.258011064
## GLVAR_area.W.PET	-0.050769452	-0.103292299
## ZSVAR.W.PET	0.114943279	-0.051994292
## Entropy_area.W.PET	0.287633227	0.048885120
## Min_hist.ADC	0.341465610	0.272345119
## Max_hist.ADC	0.336495107	0.141611089
## Mean_hist.ADC	0.430259489	0.305830992
## Variance_hist.ADC	0.198755859	-0.001645479
## Standard_Deviation_hist.ADC	0.316959763	0.097675348
## Skewness_hist.ADC	0.077976619	-0.101456326
## Kurtosis_hist.ADC	0.086427387	-0.040626327
## Energy_hist.ADC	0.928672505	0.236966941
## Entropy_hist.ADC	0.357029345	0.124245336
## AUC_hist.ADC	0.468312817	0.206091608
## Volume.ADC	-0.274345209	-0.210763995
## X3D_surface.ADC	-0.041839576	-0.145478494
## ratio_3ds_vol.ADC	0.611002289	0.444912532
## ratio_3ds_vol_norm.ADC	0.364189212	0.182642336
## irregularity.ADC	0.523046749	0.304332827
## Compactness_v1.ADC	0.898835478	0.262603019
##	Busyness_vdif_.L.PET	Complexity_vdif_.L.PET
## Failure	-1.781479e-01	0.091374601
## Entropy_cooc.W.ADC	1.303911e-01	-0.135990477
## GLNU_align.H.PET	2.577711e-01	-0.200128560
## Min_hist.PET	3.215497e-01	0.407779669
## Max_hist.PET	5.004892e-01	0.253379749
## Mean_hist.PET	3.572391e-01	0.353351863
## Variance_hist.PET	3.172975e-01	0.100549723
## Standard_Deviation_hist.PET	3.992021e-01	0.316431009
## Skewness_hist.PET	2.658227e-01	0.359833826
## Kurtosis_hist.PET	2.501461e-01	-0.042903872
## Energy_hist.PET	-1.132362e-01	0.518074839
## Entropy_hist.PET	5.498813e-01	0.435849736
## AUC_hist.PET	3.368116e-01	0.707498933
## H_suv.PET	2.493342e-01	0.493330843
## Volume.PET	7.532634e-01	-0.100906691
## X3D_surface.PET	7.699186e-01	-0.110309455
## ratio_3ds_vol.PET	-2.431513e-01	0.724300847
## ratio_3ds_vol_norm.PET	1.577240e-01	0.391579219
## irregularity.PET	1.790184e-01	0.788917162
## tumor_length.PET	6.667556e-01	0.134874424
## Compactness_v1.PET	1.227985e-01	0.422413108
## Compactness_v2.PET	3.609837e-01	-0.023738344
## Spherical_disproportion.PET	1.577240e-01	0.391579219
## Sphericity.PET	4.133094e-01	-0.017117733
## Asphericity.PET	1.499999e-01	0.375554378
## Center_of_mass.PET	6.405150e-01	-0.003436703
## Max_3D_diam.PET	8.342316e-01	-0.066438429
## Major_axis_length.PET	8.081021e-01	0.002102380
## Minor_axis_length.PET	8.039309e-01	0.110491074
## Least_axis_length.PET	8.531824e-01	0.009537356
## Elongation.PET	1.437756e-01	0.690474185
## Flatness.PET	2.416628e-01	0.579819876

## Max_cooc.L.PET	-4.155381e-02	0.440672366
## Average_cooc.L.PET	-1.220945e-03	0.750821191
## Variance_cooc.L.PET	-2.142960e-01	0.869250064
## Entropy_cooc.L.PET	3.138780e-01	0.684947095
## DAVE_cooc.L.PET	-1.080884e-01	0.955675862
## DVAR_cooc.L.PET	-6.081883e-02	0.905273817
## DENT_cooc.L.PET	1.845854e-01	0.830293405
## SAVE_cooc.L.PET	-1.156566e-03	0.750627996
## SVAR_cooc.L.PET	-1.714002e-01	0.748855669
## SENT_cooc.L.PET	2.130908e-01	0.760497321
## ASM_cooc.L.PET	-4.185032e-02	0.419265578
## Contrast_cooc.L.PET	-2.535777e-01	0.943395498
## Dissimilarity_cooc.L.PET	-1.080884e-01	0.955675862
## Inv_diff_cooc.L.PET	4.984109e-01	0.364618392
## Inv_diff_norm_cooc.L.PET	3.692176e-01	0.648478647
## IDM_cooc.L.PET	4.917369e-01	0.280255260
## IDM_norm_cooc.L.PET	3.461968e-01	0.675794043
## Inv_var_cooc.L.PET	4.936063e-01	0.277758386
## Correlation_cooc.L.PET	4.501218e-01	0.045723981
## Autocorrelation_cooc.L.PET	-1.615320e-01	0.627498773
## Tendency_cooc.L.PET	-1.714002e-01	0.748855669
## Shade_cooc.L.PET	-4.190886e-02	0.331823453
## Prominence_cooc.L.PET	-2.867137e-01	0.636980228
## IC1_.L.PET	2.447269e-01	-0.554056072
## IC2_.L.PET	4.176599e-02	0.795766756
## Coarseness_vdif_.L.PET	-2.155332e-01	0.585149762
## Contrast_vdif_.L.PET	-2.337749e-01	0.714898066
## Busyness_vdif_.L.PET	1.000000e+00	-0.120890822
## Complexity_vdif_.L.PET	-1.208908e-01	1.000000000
## Strength_vdif_.L.PET	-3.562627e-01	0.640402688
## SRE_align.L.PET	2.986950e-01	0.731906601
## LRE_align.L.PET	3.749881e-01	0.652832981
## GLNU_align.L.PET	9.472565e-01	-0.198024985
## RLNU_align.L.PET	9.154651e-01	-0.189498253
## RP_align.L.PET	2.933678e-01	0.736519206
## LGRE_align.L.PET	1.768633e-01	0.524644298
## HGRE_align.L.PET	-1.449828e-01	0.680291361
## LGSRE_align.L.PET	1.693082e-01	0.535498612
## HGSRE_align.L.PET	-1.507068e-01	0.686868070
## LGHRE_align.L.PET	2.064971e-01	0.477257198
## HGLRE_align.L.PET	-1.207174e-01	0.651396796
## GLNU_norm_align.L.PET	1.287272e-01	0.552265263
## RLNU_norm_align.L.PET	2.747187e-01	0.752043094
## GLVAR_align.L.PET	-1.869357e-01	0.845514188
## RLVAR_align.L.PET	3.494005e-01	0.278239944
## Entropy_align.L.PET	3.148749e-01	0.683012915
## SZSE.L.PET	2.689296e-01	0.741307840
## LZSE.L.PET	3.662975e-01	0.341161555
## LGLZE.L.PET	1.764594e-01	0.537535749
## HGLZE.L.PET	-1.435060e-01	0.695123281
## SZLGE.L.PET	1.492432e-01	0.570557643
## SZHGE.L.PET	-1.532773e-01	0.713599623
## LZLGE.L.PET	2.695143e-01	0.312957871
## LZHGE.L.PET	-6.515346e-02	0.472084209

## GLNU_area.L.PET	9.511335e-01	-0.192103535
## ZSNU.L.PET	9.076287e-01	-0.177992873
## ZSP.L.PET	2.525634e-01	0.763108684
## GLNU_norm.L.PET	1.294100e-01	0.551307555
## ZSNU_norm.L.PET	2.247343e-01	0.787714302
## GLVAR_area.L.PET	-1.842799e-01	0.853423743
## ZSVAR.L.PET	4.286989e-01	0.020517766
## Entropy_area.L.PET	3.438577e-01	0.658502392
## Max_cooc.H.PET	-1.734892e-01	0.278792317
## Average_cooc.H.PET	2.299075e-01	0.727378026
## Variance_cooc.H.PET	3.981896e-01	0.560738245
## Entropy_cooc.H.PET	3.219770e-01	0.628520081
## DAVE_cooc.H.PET	2.554573e-01	0.781693449
## DVAR_cooc.H.PET	2.256776e-01	0.739500369
## DENT_cooc.H.PET	4.184534e-01	0.486279611
## SAVE_cooc.H.PET	2.717093e-01	0.695849820
## SVAR_cooc.H.PET	4.350472e-01	0.428282134
## SENT_cooc.H.PET	1.208071e-01	0.588708987
## ASM_cooc.H.PET	-1.623128e-01	0.255809683
## Contrast_cooc.H.PET	1.932633e-01	0.763344764
## Dissimilarity_cooc.H.PET	2.554573e-01	0.781693449
## Inv_diff_cooc.H.PET	8.285789e-02	0.398957805
## Inv_diff_norm_cooc.H.PET	3.145452e-01	0.688285652
## IDM_cooc.H.PET	2.261188e-02	0.329481686
## IDM_norm_cooc.H.PET	3.187359e-01	0.700131159
## Inv_var_cooc_.H.PET	1.684680e-01	0.430116954
## Correlation_cooc.H.PET	4.549258e-01	0.059416897
## Autocorrelation_cooc.H.PET	1.648557e-01	0.682291065
## Tendency_cooc.H.PET	4.733141e-01	0.401126602
## Shade_cooc.H.PET	-1.220414e-01	-0.147748338
## Prominence_cooc.H.PET	4.815644e-01	0.194218799
## IC1_d.H.PET	-2.495315e-01	0.334094817
## IC2_d.H.PET	4.497327e-01	0.247278498
## Coarseness_vdif.H.PET	-8.345615e-02	0.450045670
## Contrast_vdif.H.PET	-1.782235e-01	0.345141653
## Busyness_vdif.H.PET	6.226723e-01	-0.148171980
## Complexity_vdif.H.PET	-1.190138e-01	0.762373620
## Strength_vdif.H.PET	-1.383600e-01	0.147390708
## SRE_align.H.PET	3.296245e-01	0.744040600
## LRE_align.H.PET	1.216040e-01	0.320166619
## RLNU_align.H.PET	9.068346e-01	-0.156835397
## RP_align.H.PET	3.225934e-01	0.752170843
## LGRE_align.H.PET	-2.430777e-02	0.417218399
## HGRE_align.H.PET	1.957654e-01	0.689300838
## LGSRE_align.H.PET	-2.671062e-02	0.417314079
## HGSRE_align.H.PET	2.431380e-01	0.779280081
## LGHRE_align.H.PET	-1.168060e-02	0.413515710
## HGLRE_align.H.PET	2.491345e-03	0.190881986
## GLNU_norm_align.H.PET	-1.092558e-01	0.459097419
## RLNU_norm_align.H.PET	3.166271e-01	0.744587725
## GLVAR_align.H.PET	4.051032e-01	0.499086669
## RLVAR_align.H.PET	3.216377e-05	0.006717467
## Entropy_align.H.PET	4.641561e-01	0.519358513
## SZSE.H.PET	3.493950e-01	0.662812240

## LZSE.H.PET	-7.571727e-02	-0.135505981
## LGLZE.H.PET	-2.514017e-02	0.415313874
## HGLZE.H.PET	2.855712e-01	0.593354659
## SZLGE.H.PET	-3.044131e-02	0.415627588
## SZHGE.H.PET	2.788541e-01	0.714976954
## LZLGE.H.PET	-7.669951e-02	-0.116096673
## LZHGE.H.PET	-1.004238e-01	-0.132008031
## GLNU_area.H.PET	9.455565e-01	-0.152851682
## ZSNU.H.PET	8.474519e-01	-0.125809040
## ZSP.H.PET	3.079465e-01	0.591991280
## GLNU_norm.H.PET	-1.145557e-01	0.459814626
## ZSNU_norm.H.PET	3.149534e-01	0.602022722
## GLVAR_area.H.PET	3.959344e-01	0.472601895
## ZSVAR_H.PET	-8.689423e-02	-0.142249970
## Entropy_area.H.PET	4.590576e-01	0.539761479
## Max_cooc.W.PET	-1.675451e-01	0.349287165
## Average_cooc.W.PET	3.732060e-01	0.282639384
## Variance_cooc.W.PET	2.980742e-01	0.126276855
## Entropy_cooc.W.PET	4.361913e-01	0.571121671
## DAVE_cooc.W.PET	2.831432e-01	0.469692995
## DVAR_cooc.W.PET	2.219334e-01	0.237339972
## DENT_cooc.W.PET	3.742648e-01	0.639790912
## SAVE_cooc.W.PET	3.733959e-01	0.281861161
## SVAR_cooc.W.PET	3.267288e-01	0.064263703
## SENT_cooc.W.PET	3.841289e-01	0.618654124
## ASM_cooc.W.PET	-1.347247e-01	0.361448593
## Contrast_cooc.W.PET	1.964919e-01	0.276854326
## Dissimilarity_cooc.W.PET	2.831432e-01	0.469692995
## Inv_diff_cooc.W.PET	1.087029e-01	0.482364332
## Inv_diff_norm_cooc.W.PET	3.651715e-01	0.651263166
## IDM_cooc.W.PET	3.626381e-02	0.373819660
## IDM_norm_cooc.W.PET	3.447960e-01	0.677949931
## Inv_var_cooc.W.PET	8.082418e-02	0.424269242
## Correlation_cooc.W.PET	4.558318e-01	0.041488350
## Autocorrelation_cooc.W.PET	3.146363e-01	0.051270118
## Tendency_cooc.W.PET	3.267288e-01	0.064263703
## Shade_cooc.W.PET	2.075947e-01	-0.053139926
## Prominence_cooc.W.PET	1.748101e-01	-0.088795128
## IC1_d.W.PET	-1.807381e-01	0.243911375
## IC2_d.W.PET	3.566938e-01	0.412334683
## Coarseness_vdif.W.PET	-2.389488e-01	0.623374884
## Contrast_vdif.W.PET	-4.122935e-02	0.663539728
## Busyness_vdif.W.PET	2.825412e-01	0.007368593
## Complexity_vdif.W.PET	3.561394e-01	-0.023437418
## Strength_vdif.W.PET	-9.908678e-02	0.312486121
## SRE_align.W.PET	3.251396e-01	0.735119486
## LRE_align.W.PET	2.179738e-01	0.523329701
## GLNU_align.W.PET	8.812534e-01	-0.220525068
## RLNU_align.W.PET	9.157322e-01	-0.173525314
## RP_align.W.PET	3.254356e-01	0.740955238
## LGRE_align.W.PET	-1.058974e-01	0.493953382
## HGRE_align.W.PET	3.241357e-01	0.058041722
## LGSRE_align.W.PET	-9.769165e-02	0.539814565
## HGSRE_align.W.PET	3.192446e-01	0.060745231

## LGHRE_align.W.PET	-1.293501e-01	0.291042629
## HGLRE_align.W.PET	3.436835e-01	0.044277077
## GLNU_norm_align.W.PET	-1.229767e-01	0.478629710
## RLNU_norm_align.W.PET	3.296634e-01	0.745626925
## GLVAR_align.W.PET	3.190476e-01	0.098161295
## RLVAR_align.W.PET	-1.471289e-02	0.089154138
## Entropy_align.W.PET	4.577094e-01	0.547679905
## SZSE.W.PET	3.355274e-01	0.727202221
## LZSE.W.PET	-1.083811e-01	-0.017477554
## LGLZE.W.PET	-1.003399e-01	0.489705816
## HGLZE.W.PET	3.264062e-01	0.063158359
## SZLGE.W.PET	-7.159703e-02	0.573761071
## SZHGE.W.PET	3.126428e-01	0.070061223
## LZLGE.W.PET	-1.252372e-01	-0.043510437
## LZHGE.W.PET	2.936555e-01	-0.028661082
## GLNU_area.W.PET	9.239949e-01	-0.190515108
## ZSNU.W.PET	8.930293e-01	-0.147306635
## ZSP.W.PET	3.513195e-01	0.703512973
## GLNU_norm.W.PET	-1.234881e-01	0.482202751
## ZSNU_norm.W.PET	3.391064e-01	0.709878644
## GLVAR_area.W.PET	3.176583e-01	0.097895703
## ZSVAR.W.PET	-1.288028e-01	-0.073909210
## Entropy_area.W.PET	4.534708e-01	0.551095838
## Min_hist.ADC	-1.310069e-01	0.347483744
## Max_hist.ADC	4.060641e-01	0.563891553
## Mean_hist.ADC	2.397259e-01	0.672034002
## Variance_hist.ADC	3.471014e-01	0.223193020
## Standard_Deviation_hist.ADC	3.809930e-01	0.449016074
## Skewness_hist.ADC	1.810623e-01	0.032301179
## Kurtosis_hist.ADC	1.232250e-01	0.146803463
## Energy_hist.ADC	-6.452216e-02	0.443272995
## Entropy_hist.ADC	3.913071e-01	0.606999526
## AUC_hist.ADC	3.628229e-01	0.678609088
## Volume.ADC	7.333348e-01	-0.080174261
## X3D_surface.ADC	5.516488e-01	0.098088754
## ratio_3ds_vol.ADC	-1.098869e-02	0.654305971
## ratio_3ds_vol_norm.ADC	4.693763e-01	0.619269109
## irregularity.ADC	2.321490e-01	0.749533191
## Compactness_v1.ADC	9.284763e-04	0.599692047
##	Strength_vdif_.L.PET	SRE_align.L.PET
## Failure	0.106599510	0.0074688803
## Entropy_cooc.W.ADC	-0.116857276	0.0198852576
## GLNU_align.H.PET	-0.269743972	-0.0517682913
## Min_hist.PET	0.008496611	0.5311598595
## Max_hist.PET	-0.128715515	0.5390153285
## Mean_hist.PET	-0.076384634	0.5298539614
## Variance_hist.PET	-0.166459129	0.2594779500
## Standard_Deviation_hist.PET	-0.105089300	0.5357091527
## Skewness_hist.PET	0.390028741	0.5313471953
## Kurtosis_hist.PET	0.118763362	0.1413566287
## Energy_hist.PET	0.451184212	0.4559397961
## Entropy_hist.PET	-0.004702253	0.8643670182
## AUC_hist.PET	0.300711890	0.9946710293
## H_suv.PET	-0.021652097	0.5668714435

## Volume.PET	-0.335372703	0.3152252369
## X3D_surface.PET	-0.275662037	0.2110543247
## ratio_3ds_vol.PET	0.721409775	0.5840342422
## ratio_3ds_vol_norm.PET	0.236323796	0.5819215690
## irregularity.PET	0.484030509	0.9716206683
## tumor_length.PET	-0.206874390	0.5908149339
## Compactness_v1.PET	0.211720661	0.5590914664
## Compactness_v2.PET	-0.211847728	0.2273990979
## Spherical_disproportion.PET	0.236323796	0.5819215690
## Sphericity.PET	-0.216892361	0.2262236660
## Asphericity.PET	0.231199912	0.5599925679
## Center_of_mass.PET	-0.102285909	0.3597178980
## Max_3D_diam.PET	-0.366761369	0.4470018234
## Major_axis_length.PET	-0.328569793	0.4931688544
## Minor_axis_length.PET	-0.309064252	0.6448889716
## Least_axis_length.PET	-0.369779851	0.5425029651
## Elongation.PET	0.305189375	0.8584940505
## Flatness.PET	0.209016183	0.7922700245
## Max_cooc.L.PET	0.355348773	0.4778185341
## Average_cooc.L.PET	0.308475111	0.8228172064
## Variance_cooc.L.PET	0.591729664	0.6650698745
## Entropy_cooc.L.PET	0.175797030	0.9810414327
## DAVE_cooc.L.PET	0.541487280	0.7740848298
## DVAR_cooc.L.PET	0.559057257	0.6840863832
## DENT_cooc.L.PET	0.374522475	0.9759767303
## SAVE_cooc.L.PET	0.308245052	0.8226227140
## SVAR_cooc.L.PET	0.526370226	0.6710755210
## SENT_cooc.L.PET	0.350028997	0.9786207717
## ASM_cooc.L.PET	0.308232015	0.4491362754
## Contrast_cooc.L.PET	0.615839989	0.5659295155
## Dissimilarity_cooc.L.PET	0.541487280	0.7740848298
## Inv_diff_cooc.L.PET	0.105721270	0.8414494765
## Inv_diff_norm_cooc.L.PET	0.248750260	0.9912566247
## IDM_cooc.L.PET	0.083301792	0.7506803069
## IDM_norm_cooc.L.PET	0.265924340	0.9961174848
## Inv_var_cooc.L.PET	0.072080597	0.7565145831
## Correlation_cooc.L.PET	-0.037166862	0.6451321203
## Autocorrelation_cooc.L.PET	0.291626917	0.6197477532
## Tendency_cooc.L.PET	0.526370226	0.6710755210
## Shade_cooc.L.PET	0.443509818	0.3296714062
## Prominence_cooc.L.PET	0.599310378	0.4789405963
## IC1_.L.PET	-0.753749419	-0.3667887825
## IC2_.L.PET	0.560016239	0.9062290892
## Coarseness_vdif_.L.PET	0.598600813	0.4936160853
## Contrast_vdif_.L.PET	0.741040119	0.2461619114
## Busyness_vdif_.L.PET	-0.356262736	0.2986949608
## Complexity_vdif_.L.PET	0.640402688	0.7319066011
## Strength_vdif_.L.PET	1.000000000	0.3105283154
## SRE_align.L.PET	0.310528315	1.0000000000
## LRE_align.L.PET	0.247437941	0.9873896641
## GLNU_align.L.PET	-0.357221268	0.2406438046
## RLNU_align.L.PET	-0.404514485	0.2176658635
## RP_align.L.PET	0.314204517	0.9999475765
## LGRE_align.L.PET	0.507001581	0.6293178757

## HGRE_align.L.PET	0.317595541	0.6416313674
## LGSRE_align.L.PET	0.510713220	0.6346764455
## HGSRE_align.L.PET	0.326651027	0.6405058545
## LGHRE_align.L.PET	0.487143103	0.6045775212
## HGLRE_align.L.PET	0.279040253	0.6441761597
## GLNU_norm_align.L.PET	0.435223448	0.6819499135
## RLNU_norm_align.L.PET	0.326184017	0.9991249111
## GLVAR_align.L.PET	0.508703493	0.6913359465
## RLVAR_align.L.PET	0.100022239	0.6349938671
## Entropy_align.L.PET	0.196389924	0.9851902500
## SZSE.L.PET	0.334824140	0.9820934373
## LZSE.L.PET	0.049193585	0.6735202709
## LGLZE.L.PET	0.506895225	0.6411202604
## HGLZE.L.PET	0.330188301	0.6513594581
## SZLGE.L.PET	0.525488439	0.6530711660
## SZHGE.L.PET	0.362274551	0.6491343182
## LZLGE.L.PET	0.356779845	0.4980148349
## LZHGE.L.PET	0.130439629	0.5210711417
## GLNU_area.L.PET	-0.358347955	0.2433846227
## ZSNU.L.PET	-0.402909627	0.2205106184
## ZSP.L.PET	0.350492222	0.9884242539
## GLNU_norm.L.PET	0.428993726	0.6823041710
## ZSNU_norm.L.PET	0.368787051	0.9893028464
## GLVAR_area.L.PET	0.511310393	0.7021458884
## ZSVAR.L.PET	-0.126573724	0.4262471512
## Entropy_area.L.PET	0.171399608	0.9844828738
## Max_cooc.H.PET	0.543545887	0.3159577858
## Average_cooc.H.PET	0.398224656	0.9752415794
## Variance_cooc.H.PET	0.008131721	0.8553968893
## Entropy_cooc.H.PET	0.184016840	0.8359180381
## DAVE_cooc.H.PET	0.190920712	0.8843805365
## DVAR_cooc.H.PET	0.169595670	0.8607843336
## DENT_cooc.H.PET	0.035957678	0.7711029778
## SAVE_cooc.H.PET	0.317536814	0.9803272459
## SVAR_cooc.H.PET	-0.024946152	0.8387749128
## SENT_cooc.H.PET	0.181807308	0.6956192564
## ASM_cooc.H.PET	0.481262706	0.3016510923
## Contrast_cooc.H.PET	0.150168181	0.7919420462
## Dissimilarity_cooc.H.PET	0.190920712	0.8843805365
## Inv_diff_cooc.H.PET	0.415869459	0.6741873172
## Inv_diff_norm_cooc.H.PET	0.312568401	0.9947921183
## IDM_cooc.H.PET	0.415152199	0.5704270647
## IDM_norm_cooc.H.PET	0.304052667	0.9977673295
## Inv_var_cooc_.H.PET	0.206505638	0.5964586388
## Correlation_cooc.H.PET	-0.041870264	0.6520054985
## Autocorrelation_cooc.H.PET	0.454424736	0.9183372550
## Tendency_cooc.H.PET	-0.069364574	0.8131728261
## Shade_cooc.H.PET	0.178555160	-0.4112886160
## Prominence_cooc.H.PET	-0.247865882	0.5955294683
## IC1_d.H.PET	0.112966965	-0.0951939768
## IC2_d.H.PET	0.082303260	0.7702036264
## Coarseness_vdif.H.PET	0.360248400	0.4439927480
## Contrast_vdif.H.PET	0.421841524	0.3003478161
## Busyness_vdif.H.PET	-0.250842455	0.1133789940

## Complexity_vdif.H.PET	0.369573527	0.6720381102
## Strength_vdif.H.PET	0.403421517	0.0286197700
## SRE_align.H.PET	0.260497247	0.9743721199
## LRE_align.H.PET	0.262818115	0.6353886592
## RLNU_align.H.PET	-0.391395140	0.2183774585
## RP_align.H.PET	0.262480307	0.9630180049
## LGRE_align.H.PET	0.262442809	0.4663423052
## HGRE_align.H.PET	0.457614425	0.9232740427
## LGSRE_align.H.PET	0.263512658	0.4639942618
## HGSRE_align.H.PET	0.452086324	0.9691738790
## LGHRE_align.H.PET	0.256087391	0.4787458987
## HGLRE_align.H.PET	0.262935469	0.4370302146
## GLNU_norm_align.H.PET	0.564440923	0.5197767883
## RLNU_norm_align.H.PET	0.226069816	0.9134258509
## GLVAR_align.H.PET	-0.054694031	0.8209463121
## RLVAR_align.H.PET	0.125029942	0.2794096469
## Entropy_align.H.PET	0.012098129	0.8968365530
## SZSE.H.PET	0.176249873	0.8603460417
## LZSE.H.PET	-0.001633383	-0.0613778193
## LGLZE.H.PET	0.258180655	0.4669614392
## HGLZE.H.PET	0.327484832	0.8676167791
## SZLGE.H.PET	0.262902380	0.4608332315
## SZHGE.H.PET	0.406170887	0.8368234932
## LZLGE.H.PET	0.014712244	0.0014403501
## LZHGE.H.PET	0.037989856	-0.0513526161
## GLNU_area.H.PET	-0.383145642	0.2552658711
## ZSNU.H.PET	-0.359805375	0.1917001418
## ZSP.H.PET	0.098774251	0.6779181188
## GLNU_norm.H.PET	0.515922480	0.5330919197
## ZSNU_norm.H.PET	0.127341253	0.7282307112
## GLVAR_area.H.PET	-0.087162446	0.7995057488
## ZSVAR_H.PET	0.007088135	-0.0580182840
## Entropy_area.H.PET	0.046665160	0.9428619057
## Max_cooc.W.PET	0.549660254	0.3561009074
## Average_cooc.W.PET	-0.168188266	0.5248198997
## Variance_cooc.W.PET	-0.124313544	0.2600092443
## Entropy_cooc.W.PET	0.026439496	0.8564265714
## DAVE_cooc.W.PET	-0.013094920	0.5554902144
## DVAR_cooc.W.PET	-0.091130283	0.2965869060
## DENT_cooc.W.PET	0.105983592	0.8433864680
## SAVE_cooc.W.PET	-0.168821489	0.5240428516
## SVAR_cooc.W.PET	-0.136864225	0.2328648857
## SENT_cooc.W.PET	0.130519423	0.8955452051
## ASM_cooc.W.PET	0.464191735	0.3923349847
## Contrast_cooc.W.PET	-0.080715332	0.3073127918
## Dissimilarity_cooc.W.PET	-0.013094920	0.5554902144
## Inv_diff_cooc.W.PET	0.406985619	0.7539809699
## Inv_diff_norm_cooc.W.PET	0.254936659	0.9916817162
## IDM_cooc.W.PET	0.405413096	0.6206486068
## IDM_norm_cooc.W.PET	0.268856793	0.9963064936
## Inv_var_cooc.W.PET	0.385950835	0.6909104327
## Correlation_cooc.W.PET	-0.046125856	0.6443741541
## Autocorrelation_cooc.W.PET	-0.241563464	0.2562501821
## Tendency_cooc.W.PET	-0.136864225	0.2328648857

## Shade_cooc.W.PET	-0.053815566	0.0397697610
## Prominence_cooc.W.PET	-0.102408341	0.0076149368
## IC1_d.W.PET	0.008480679	-0.1154465246
## IC2_d.W.PET	0.209989434	0.8408697903
## Coarseness_vdif.W.PET	0.688968383	0.4636887388
## Contrast_vdif.W.PET	0.261417981	0.4973064491
## Busyness_vdif.W.PET	-0.053671780	0.2292954029
## Complexity_vdif.W.PET	-0.190527407	0.1634706976
## Strength_vdif.W.PET	0.482549593	0.2550570938
## SRE_align.W.PET	0.281621955	0.9938039922
## LRE_align.W.PET	0.305518359	0.8644046735
## GLNU_align.W.PET	-0.371501210	0.2465875231
## RLNU_align.W.PET	-0.395490896	0.2183873088
## RP_align.W.PET	0.279719175	0.9897188468
## LGRE_align.W.PET	0.607584954	0.5029056037
## HGRE_align.W.PET	-0.249118929	0.2588288797
## LGSRE_align.W.PET	0.619331099	0.5396146823
## HGSRE_align.W.PET	-0.243648793	0.2547784522
## LGHRE_align.W.PET	0.507779766	0.3369185053
## HGLRE_align.W.PET	-0.273435083	0.2745969090
## GLNU_norm_align.W.PET	0.588881594	0.5219320423
## RLNU_norm_align.W.PET	0.257880401	0.9710711978
## GLVAR_align.W.PET	-0.168295619	0.2591461458
## RLVAR_align.W.PET	0.198407631	0.3564301663
## Entropy_align.W.PET	0.026830462	0.8998528548
## SZSE.W.PET	0.268347382	0.9469856958
## LZSE.W.PET	0.149756298	0.1251020448
## LGLZE.W.PET	0.555388231	0.5275045207
## HGLZE.W.PET	-0.237168100	0.2622149230
## SZLGE.W.PET	0.561184180	0.6044757875
## SZHGE.W.PET	-0.214301918	0.2511208415
## LZLGE.W.PET	0.192529788	-0.0009645221
## LZHGE.W.PET	-0.326324969	0.2879912495
## GLNU_area.W.PET	-0.377461549	0.2582983263
## ZSNU.W.PET	-0.374759232	0.2087264747
## ZSP.W.PET	0.207562848	0.8761619365
## GLNU_norm.W.PET	0.568561397	0.5421919037
## ZSNU_norm.W.PET	0.225979225	0.8706924521
## GLVAR_area.W.PET	-0.166435093	0.2627512523
## ZSVAR.W.PET	0.115267770	0.0382585038
## Entropy_area.W.PET	0.041857353	0.9362896519
## Min_hist.ADC	0.410664269	0.3438550646
## Max_hist.ADC	0.184824523	0.8757671422
## Mean_hist.ADC	0.401575865	0.8676611754
## Variance_hist.ADC	0.020234251	0.4440825590
## Standard_Deviation_hist.ADC	0.135210407	0.7210866672
## Skewness_hist.ADC	-0.110255376	0.2283816436
## Kurtosis_hist.ADC	0.024618592	0.2692282441
## Energy_hist.ADC	0.321480607	0.4635127585
## Entropy_hist.ADC	0.167075052	0.9468867089
## AUC_hist.ADC	0.240234164	0.9756101731
## Volume.ADC	-0.313251815	0.3034976117
## X3D_surface.ADC	-0.210943914	0.4164371550
## ratio_3ds_vol.ADC	0.514508853	0.6631847630

## ratio_3ds_vol_norm.ADC	0.221476568	0.9362040832	
## irregularity.ADC	0.351450507	0.9632538973	
## Compactness_v1.ADC	0.354503219	0.6991603676	
##	LRE_align.L.PET	GLNU_align.L.PET	RLNU_align.L.PET
## Failure	-0.020543256	-0.1676459169	-0.1958012175
## Entropy_cooc.W.ADC	0.053061678	0.1590118481	0.1498184564
## GLNU_align.H.PET	0.001625459	0.3026810400	0.2947870886
## Min_hist.PET	0.524019605	0.2957732375	0.3378554017
## Max_hist.PET	0.573979002	0.5098870649	0.5006864303
## Mean_hist.PET	0.532020533	0.3455067112	0.3948245552
## Variance_hist.PET	0.280714353	0.3277311229	0.3621028390
## Standard_Deviation_hist.PET	0.550940114	0.3880282272	0.4157226448
## Skewness_hist.PET	0.555989929	0.1985513219	0.0204235472
## Kurtosis_hist.PET	0.200534046	0.2639430615	0.0438083181
## Energy_hist.PET	0.424488134	-0.1042563198	-0.1593059698
## Entropy_hist.PET	0.891934306	0.5000833260	0.4873412569
## AUC_hist.PET	0.989368565	0.2787998208	0.2445271119
## H_suv.PET	0.550706427	0.2101007024	0.2457303220
## Volume.PET	0.368470758	0.6855164071	0.6812615734
## X3D_surface.PET	0.270452289	0.8576084864	0.8849931231
## ratio_3ds_vol.PET	0.537510753	-0.2246433055	-0.2957045513
## ratio_3ds_vol_norm.PET	0.601223485	0.2347536883	0.1532504914
## irregularity.PET	0.946452276	0.1244397522	0.0890722125
## tumor_length.PET	0.651215283	0.7321454178	0.7167936621
## Compactness_v1.PET	0.543869029	0.0851249373	0.0448485907
## Compactness_v2.PET	0.237783864	0.2714045163	0.3125525753
## Spherical_disproportion.PET	0.601223485	0.2347536883	0.1532504914
## Sphericity.PET	0.237073342	0.2919627857	0.3366780054
## Asphericity.PET	0.579861048	0.2302573618	0.1480529052
## Center_of_mass.PET	0.420589696	0.6583481637	0.6379710987
## Max_3D_diam.PET	0.510469977	0.8019632952	0.8222779908
## Major_axis_length.PET	0.550186552	0.8090658050	0.8404988770
## Minor_axis_length.PET	0.714413633	0.7914174165	0.7664466835
## Least_axis_length.PET	0.614957248	0.8375643328	0.8417349581
## Elongation.PET	0.854620215	0.0988616642	0.0401311911
## Flatness.PET	0.800952205	0.1951646106	0.1587557422
## Max_cooc.L.PET	0.462066899	-0.0292672536	-0.1014784241
## Average_cooc.L.PET	0.762217135	-0.0533814688	0.0226354560
## Variance_cooc.L.PET	0.570447373	-0.3034581459	-0.2509206624
## Entropy_cooc.L.PET	0.966330063	0.2420327027	0.2544074623
## DAVE_cooc.L.PET	0.686668482	-0.2080512479	-0.1672674129
## DVAR_cooc.L.PET	0.613094671	-0.1273064185	-0.1667033371
## DENT_cooc.L.PET	0.938023440	0.1025957541	0.1105723961
## SAVE_cooc.L.PET	0.762021034	-0.0533527774	0.0227629461
## SVAR_cooc.L.PET	0.589127076	-0.2502679775	-0.1950350231
## SENT_cooc.L.PET	0.956455187	0.1624352941	0.1566075767
## ASM_cooc.L.PET	0.432042952	-0.0292557603	-0.0913392254
## Contrast_cooc.L.PET	0.463913272	-0.3470983177	-0.3058921611
## Dissimilarity_cooc.L.PET	0.686668482	-0.2080512479	-0.1672674129
## Inv_diff_cooc.L.PET	0.899217954	0.5088528645	0.4081080057
## Inv_diff_norm_cooc.L.PET	0.996978875	0.3244837665	0.2876260264
## IDM_cooc.L.PET	0.820478965	0.5206821984	0.3978645931
## IDM_norm_cooc.L.PET	0.995823689	0.2962874199	0.2656628314
## Inv_var_cooc.L.PET	0.819058130	0.5213517972	0.4018006416

## Correlation_cooc.L.PET	0.705995178	0.4813380717	0.4437829129
## Autocorrelation_cooc.L.PET	0.545904938	-0.1985592595	-0.1056749241
## Tendency_cooc.L.PET	0.589127076	-0.2502679775	-0.1950350231
## Shade_cooc.L.PET	0.297736824	-0.1302557964	-0.1657521745
## Prominence_cooc.L.PET	0.394027229	-0.3593075441	-0.3314261784
## IC1_.L.PET	-0.314787616	0.2420507522	0.2475052220
## IC2_.L.PET	0.871343746	0.0122067224	-0.0097027349
## Coarseness_vdif_.L.PET	0.444873897	-0.2093117313	-0.2590968791
## Contrast_vdif_.L.PET	0.180978200	-0.2573716265	-0.2538319163
## Busyness_vdif_.L.PET	0.374988104	0.9472565057	0.9154651046
## Complexity_vdif_.L.PET	0.652832981	-0.1980249848	-0.1894982535
## Strength_vdif_.L.PET	0.247437941	-0.3572212676	-0.4045144851
## SRE_align.L.PET	0.987389664	0.2406438046	0.2176658635
## LRE_align.L.PET	1.000000000	0.3332497079	0.2943586603
## GLNU_align.L.PET	0.333249708	1.0000000000	0.9555847555
## RLNU_align.L.PET	0.294358660	0.9555847555	1.0000000000
## RP_align.L.PET	0.986577212	0.2343996612	0.2126309199
## LGRE_align.L.PET	0.641269765	0.1498357200	0.0046522233
## HGRE_align.L.PET	0.565245552	-0.1900532662	-0.0973858448
## LGSRE_align.L.PET	0.644171187	0.1414154073	-0.0008623540
## HGSRE_align.L.PET	0.562100808	-0.1973168655	-0.1057339052
## LGHRE_align.L.PET	0.626579670	0.1834793862	0.0271997365
## HGLRE_align.L.PET	0.576775018	-0.1591795180	-0.0623021515
## GLNU_norm_align.L.PET	0.682905997	0.1262754351	0.0083023828
## RLNU_norm_align.L.PET	0.982555733	0.2127122765	0.1947792147
## GLVAR_align.L.PET	0.600829951	-0.2684446387	-0.2026928645
## RLVAR_align.L.PET	0.688192745	0.3932265603	0.2830733159
## Entropy_align.L.PET	0.973058340	0.2541117993	0.2630699113
## SZSE.L.PET	0.948727763	0.2056783755	0.1867771299
## LZSE.L.PET	0.762803432	0.3728979475	0.3155516500
## LGLZE.L.PET	0.652883621	0.1510498665	0.0052366443
## HGLZE.L.PET	0.574356465	-0.1902042459	-0.0987929639
## SZLGE.L.PET	0.651926929	0.1208755756	-0.0150633786
## SZHGE.L.PET	0.558688989	-0.2051408811	-0.1191418204
## LZLGE.L.PET	0.559525993	0.2630374769	0.0878232021
## LZHGE.L.PET	0.518073895	-0.0760673434	0.0143448875
## GLNU_area.L.PET	0.329114391	0.9977436754	0.9652870883
## ZSNU.L.PET	0.287625725	0.9393348449	0.9965091895
## ZSP.L.PET	0.955174713	0.1846258482	0.1725135344
## GLNU_norm.L.PET	0.682997446	0.1263945675	0.0107545403
## ZSNU_norm.L.PET	0.960952110	0.1546536250	0.1499113989
## GLVAR_area.L.PET	0.612462698	-0.2653287738	-0.2015244811
## ZSVAR.L.PET	0.547927680	0.5051319708	0.3725324718
## Entropy_area.L.PET	0.979080837	0.2873972385	0.2885897691
## Max_cooc.H.PET	0.292029096	-0.1856548286	-0.2465532068
## Average_cooc.H.PET	0.959697850	0.1698820282	0.1339910353
## Variance_cooc.H.PET	0.859166305	0.3704673810	0.3948005603
## Entropy_cooc.H.PET	0.830996885	0.2715176175	0.2542157090
## DAVE_cooc.H.PET	0.853913974	0.1790580082	0.1867964728
## DVAR_cooc.H.PET	0.828343663	0.1517688593	0.1698830984
## DENT_cooc.H.PET	0.776319865	0.3619252546	0.3730766921
## SAVE_cooc.H.PET	0.970659536	0.2078810907	0.1812061989
## SVAR_cooc.H.PET	0.860552308	0.4230021175	0.4405806275
## SENT_cooc.H.PET	0.690619515	0.1597230872	0.1435543043

## ASM_cooc.H.PET	0.277960987	-0.1654835198	-0.2194425587
## Contrast_cooc.H.PET	0.751372013	0.1124156654	0.1354534911
## Dissimilarity_cooc.H.PET	0.853913974	0.1790580082	0.1867964728
## Inv_diff_cooc.H.PET	0.675003234	0.0650190029	0.0043585025
## Inv_diff_norm_cooc.H.PET	0.991004817	0.2647320760	0.2332480871
## IDM_cooc.H.PET	0.570248241	0.0104667557	-0.0522733605
## IDM_norm_cooc.H.PET	0.992815472	0.2668721040	0.2376114478
## Inv_var_cooc_.H.PET	0.599579798	0.1774058574	0.1227658800
## Correlation_cooc.H.PET	0.715813574	0.5019502726	0.4777955591
## Autocorrelation_cooc.H.PET	0.901330981	0.1124088847	0.0693338802
## Tendency_cooc.H.PET	0.840559597	0.4767645738	0.4996315553
## Shade_cooc.H.PET	-0.432832232	-0.1969623537	-0.2530617088
## Prominence_cooc.H.PET	0.635681173	0.5216838007	0.5720492300
## IC1_d.H.PET	-0.161258527	-0.3076176771	-0.3024839859
## IC2_d.H.PET	0.820964383	0.4761850133	0.4461967856
## Coarseness_vdif.H.PET	0.419230415	-0.0727811140	-0.1272736613
## Contrast_vdif.H.PET	0.258437396	-0.1851616903	-0.1981673480
## Busyness_vdif.H.PET	0.143423011	0.4478076609	0.4653807381
## Complexity_vdif.H.PET	0.629660236	-0.1045149187	-0.1301353217
## Strength_vdif.H.PET	0.007064760	-0.1371319913	-0.1485705777
## SRE_align.H.PET	0.961752747	0.2690185813	0.2523892236
## LRE_align.H.PET	0.647727664	0.1014191709	0.0606733986
## RLNU_align.H.PET	0.288422439	0.9385562442	0.9852747142
## RP_align.H.PET	0.948301865	0.2612867753	0.2473492023
## LGRE_align.H.PET	0.449102777	-0.0100810920	-0.0579404024
## HGRE_align.H.PET	0.906756789	0.1373812065	0.0923620824
## LGSRE_align.H.PET	0.446420613	-0.0127309318	-0.0606892424
## HGSRE_align.H.PET	0.947591106	0.1708070940	0.1288311628
## LGHRE_align.H.PET	0.464171667	0.0043003680	-0.0432210219
## HGLRE_align.H.PET	0.442612993	0.0017863939	-0.0259120535
## GLNU_norm_align.H.PET	0.490694119	-0.1448252008	-0.2138724641
## RLNU_norm_align.H.PET	0.896435927	0.2538931701	0.2488158574
## GLVAR_align.H.PET	0.831023634	0.3890354300	0.4197404119
## RLVAR_align.H.PET	0.303595977	0.0156554517	-0.0164655035
## Entropy_align.H.PET	0.913446249	0.4325912283	0.4385441124
## SZSE.H.PET	0.839547287	0.2927817303	0.2875222845
## LZSE.H.PET	-0.051000502	-0.0561942706	-0.0579210220
## LGLZE.H.PET	0.450017378	-0.0097545110	-0.0568044494
## HGLZE.H.PET	0.868640097	0.2098889670	0.1604203306
## SZLGE.H.PET	0.442763373	-0.0160614671	-0.0640672429
## SZHGE.H.PET	0.810808523	0.2021291738	0.1576854762
## LZLGE.H.PET	0.019743200	-0.0468521080	-0.0555904630
## LZHGE.H.PET	-0.045600459	-0.0804151456	-0.0800175489
## GLNU_area.H.PET	0.325796629	0.9569389831	0.9740135891
## ZSNU.H.PET	0.244896267	0.8683536006	0.9291150144
## ZSP.H.PET	0.653396521	0.2517604050	0.2681380232
## GLNU_norm.H.PET	0.501376754	-0.1453032217	-0.2045475431
## ZSNU_norm.H.PET	0.715514802	0.2643455109	0.2759700350
## GLVAR_area.H.PET	0.811356575	0.3828514208	0.4107520021
## ZSVAR_H.PET	-0.048678510	-0.0668074563	-0.0692613770
## Entropy_area.H.PET	0.962231993	0.4192144361	0.4076205687
## Max_cooc.W.PET	0.328589834	-0.1729027516	-0.2312644230
## Average_cooc.W.PET	0.538141934	0.3798355238	0.4336589236
## Variance_cooc.W.PET	0.277162814	0.2989888016	0.3272101551

## Entropy_cooc.W.PET	0.862088971	0.3905221217	0.4001093215
## DAVE_cooc.W.PET	0.542372622	0.2412467181	0.2752199724
## DVAR_cooc.W.PET	0.296006264	0.2032304218	0.2372329078
## DENT_cooc.W.PET	0.837340344	0.3179250278	0.3239210108
## SAVE_cooc.W.PET	0.537406926	0.3800033393	0.4339508183
## SVAR_cooc.W.PET	0.259592979	0.3371332446	0.3597159250
## SENT_cooc.W.PET	0.900579985	0.3539628976	0.3457705665
## ASM_cooc.W.PET	0.366805347	-0.1300677720	-0.1890715065
## Contrast_cooc.W.PET	0.297889049	0.1724627045	0.2129964949
## Dissimilarity_cooc.W.PET	0.542372622	0.2412467181	0.2752199724
## Inv_diff_cooc.W.PET	0.751530885	0.0813332503	0.0236887382
## Inv_diff_norm_cooc.W.PET	0.996892804	0.3204736549	0.2835806845
## IDM_cooc.W.PET	0.618786220	0.0193008973	-0.0408686565
## IDM_norm_cooc.W.PET	0.995799796	0.2948956054	0.2642807417
## Inv_var_cooc.W.PET	0.687793778	0.0593581025	-0.0020651285
## Correlation_cooc.W.PET	0.706192056	0.4871344242	0.4497789610
## Autocorrelation_cooc.W.PET	0.278823467	0.3485096899	0.4088970719
## Tendency_cooc.W.PET	0.259592979	0.3371332446	0.3597159250
## Shade_cooc.W.PET	0.074557942	0.2065868264	0.1748506292
## Prominence_cooc.W.PET	0.042652041	0.1855363494	0.1727533599
## IC1_d.W.PET	-0.168046660	-0.2319319076	-0.2332364819
## IC2_d.W.PET	0.870743729	0.3698762738	0.3384458493
## Coarseness_vdif.W.PET	0.409711964	-0.2322367824	-0.2781927236
## Contrast_vdif.W.PET	0.439000473	-0.0973708839	-0.0576099666
## Busyness_vdif.W.PET	0.236187576	0.2108082307	0.2258281303
## Complexity_vdif.W.PET	0.208070806	0.3960799748	0.3803181944
## Strength_vdif.W.PET	0.246574198	-0.0846895694	-0.1588213873
## SRE_align.W.PET	0.983047148	0.2670546321	0.2451344309
## LRE_align.W.PET	0.872492398	0.1853721358	0.1499449739
## GLNU_align.W.PET	0.335663278	0.9053651253	0.8907824143
## RLNU_align.W.PET	0.292546351	0.9538610552	0.9955546919
## RP_align.W.PET	0.978295800	0.2666408656	0.2462286321
## LGRE_align.W.PET	0.474553399	-0.1556614546	-0.2389999860
## HGRE_align.W.PET	0.281674349	0.3551523538	0.4136411245
## LGSRE_align.W.PET	0.508899307	-0.1514297077	-0.2367002020
## HGSRE_align.W.PET	0.276483749	0.3488397173	0.4064776570
## LGHRE_align.W.PET	0.319517434	-0.1604107181	-0.2284528733
## HGLRE_align.W.PET	0.303226400	0.3813899380	0.4436078768
## GLNU_norm_align.W.PET	0.490724886	-0.1534624738	-0.2242578566
## RLNU_norm_align.W.PET	0.958843019	0.2692678920	0.2537977548
## GLVAR_align.W.PET	0.281082588	0.3302178855	0.3638446811
## RLVAR_align.W.PET	0.373800855	-0.0006822394	-0.0413251611
## Entropy_align.W.PET	0.913071158	0.4214145044	0.4264008257
## SZSE.W.PET	0.921329379	0.2750708151	0.2592446415
## LZSE.W.PET	0.141652873	-0.0934436548	-0.1047545547
## LGLZE.W.PET	0.500089403	-0.1484575104	-0.2298368807
## HGLZE.W.PET	0.285670155	0.3561530730	0.4106473400
## SZLGE.W.PET	0.566751539	-0.1284420874	-0.2121539096
## SZHGE.W.PET	0.269360643	0.3386167269	0.3897549872
## LZLGE.W.PET	-0.003714498	-0.1192996676	-0.1355658608
## LZHGE.W.PET	0.363253442	0.3594040858	0.4267607003
## GLNU_area.W.PET	0.336692581	0.9417696866	0.9393322844
## ZSNU.W.PET	0.270504164	0.9221964206	0.9726880517
## ZSP.W.PET	0.854717890	0.2898519988	0.2848932109

## GLNU_norm.W.PET	0.509523594	-0.1526968216	-0.2202947041
## ZSNU_norm.W.PET	0.856493582	0.2799665586	0.2795079623
## GLVAR_area.W.PET	0.286106051	0.3307610724	0.3604267374
## ZSVAR.W.PET	0.048331169	-0.1111338483	-0.1188846887
## Entropy_area.W.PET	0.952639674	0.4160859600	0.4102013373
## Min_hist.ADC	0.308270430	-0.1091442792	-0.1187418437
## Max_hist.ADC	0.887239060	0.3395939264	0.2945355502
## Mean_hist.ADC	0.860152036	0.1943660053	0.1470185481
## Variance_hist.ADC	0.463425679	0.2954293088	0.2557063556
## Standard_Deviation_hist.ADC	0.733234329	0.3151116891	0.2784627278
## Skewness_hist.ADC	0.232560895	0.1606353350	0.1594254465
## Kurtosis_hist.ADC	0.281629739	0.1557721075	0.1322089051
## Energy_hist.ADC	0.440829288	-0.0550811743	-0.1078547142
## Entropy_hist.ADC	0.953681999	0.3386708766	0.3119917641
## AUC_hist.ADC	0.969607371	0.2952883262	0.2754288943
## Volume.ADC	0.353074775	0.6667558330	0.6627800695
## X3D_surface.ADC	0.449581781	0.4714161831	0.4784992312
## ratio_3ds_vol.ADC	0.627442462	-0.0461060380	-0.0724745780
## ratio_3ds_vol_norm.ADC	0.939398256	0.3770479010	0.3453241295
## irregularity.ADC	0.944976460	0.1794633343	0.1590034676
## Compactness_v1.ADC	0.676763677	0.0044714614	-0.0407012701
##	RP_align.L.PET	LGRE_align.L.PET	HGRE_align.L.PET
## Failure	0.0080047222	0.008205698	0.112897886
## Entropy_cooc.W.ADC	0.0183124774	-0.030856099	-0.071402802
## GLNU_align.H.PET	-0.0537309239	0.018892119	-0.172961076
## Min_hist.PET	0.5307151524	0.263137815	0.314227220
## Max_hist.PET	0.5357541982	0.303690977	0.163944254
## Mean_hist.PET	0.5287882354	0.203350539	0.326486909
## Variance_hist.PET	0.2570944974	0.080573719	0.096710818
## Standard_Deviation_hist.PET	0.5337342876	0.248039424	0.268698472
## Skewness_hist.PET	0.5290616936	0.796594459	-0.128776419
## Kurtosis_hist.PET	0.1370976543	0.568677148	-0.370734182
## Energy_hist.PET	0.4569981855	0.671809766	0.354416883
## Entropy_hist.PET	0.8620541599	0.478838104	0.397705677
## AUC_hist.PET	0.9942200768	0.663817902	0.600811234
## H_suv.PET	0.5668688764	0.252210577	0.394271139
## Volume.PET	0.3104845287	0.039313383	-0.057387925
## X3D_surface.PET	0.2064247314	0.142922505	-0.064476298
## ratio_3ds_vol.PET	0.5864224529	0.678353819	0.441944486
## ratio_3ds_vol_norm.PET	0.5798658874	0.651258812	0.246066779
## irregularity.PET	0.9723281947	0.661737090	0.639538333
## tumor_length.PET	0.5861611148	0.400974425	0.159676531
## Compactness_v1.PET	0.5585864330	0.639805914	0.339047419
## Compactness_v2.PET	0.2256611523	-0.084983803	0.075752270
## Spherical_disproportion.PET	0.5798658874	0.651258812	0.246066779
## Sphericity.PET	0.2247748235	-0.152189415	0.074086921
## Asphericity.PET	0.5579074051	0.643179973	0.230193501
## Center_of_mass.PET	0.3553173741	0.285830139	0.010329125
## Max_3D_diam.PET	0.4418430720	0.085924030	0.027816746
## Major_axis_length.PET	0.4883134758	0.147699685	0.081288244
## Minor_axis_length.PET	0.6395987953	0.341572238	0.145294814
## Least_axis_length.PET	0.5372575429	0.211281841	0.120940175
## Elongation.PET	0.8588668779	0.616482447	0.582023678
## Flatness.PET	0.7921850295	0.519324362	0.565825480

## Max_cooc.L.PET	0.4778528390	0.710282370	0.294485169
## Average_cooc.L.PET	0.8262535465	0.244207724	0.955597990
## Variance_cooc.L.PET	0.6706596183	0.328958551	0.840455240
## Entropy_cooc.L.PET	0.9813544173	0.507545463	0.677336245
## DAVE_cooc.L.PET	0.7790911205	0.400060635	0.828818632
## DVAR_cooc.L.PET	0.6879730636	0.507090480	0.668789259
## DENT_cooc.L.PET	0.9777638807	0.555493879	0.739387026
## SAVE_cooc.L.PET	0.8260602034	0.243508489	0.955631937
## SVAR_cooc.L.PET	0.6759008515	0.315745342	0.822621594
## SENT_cooc.L.PET	0.9795261485	0.602017822	0.705459708
## ASM_cooc.L.PET	0.4492217717	0.672342554	0.289958501
## Contrast_cooc.L.PET	0.5719812610	0.305488554	0.755626288
## Dissimilarity_cooc.L.PET	0.7790911205	0.400060635	0.828818632
## Inv_diff_cooc.L.PET	0.8373233606	0.726027710	0.253002732
## Inv_diff_norm_cooc.L.PET	0.9901957057	0.645613236	0.565547383
## IDM_cooc.L.PET	0.7459497021	0.748363747	0.147681940
## IDM_norm_cooc.L.PET	0.9954383839	0.636058291	0.594738807
## Inv_var_cooc.L.PET	0.7514639591	0.739135407	0.150660972
## Correlation_cooc.L.PET	0.6409155575	0.431203754	0.231247801
## Autocorrelation_cooc.L.PET	0.6241361278	0.061265137	0.989678332
## Tendency_cooc.L.PET	0.6759008515	0.315745342	0.822621594
## Shade_cooc.L.PET	0.3312285450	0.431594368	0.009299922
## Prominence_cooc.L.PET	0.4838587624	0.308931142	0.634767302
## IC1_.L.PET	-0.3704642052	-0.165929006	-0.522595678
## IC2_.L.PET	0.9080319002	0.623029328	0.708980105
## Coarseness_vdif_.L.PET	0.4957880844	0.635156025	0.479702340
## Contrast_vdif_.L.PET	0.2502162544	0.261680853	0.413867853
## Busyness_vdif_.L.PET	0.2933678460	0.176863315	-0.144982787
## Complexity_vdif_.L.PET	0.7365192065	0.524644298	0.680291361
## Strength_vdif_.L.PET	0.3142045172	0.507001581	0.317595541
## SRE_align.L.PET	0.9999475765	0.629317876	0.641631367
## LRE_align.L.PET	0.9865772125	0.641269765	0.565245552
## GLNU_align.L.PET	0.2343996612	0.149835720	-0.190053266
## RLNU_align.L.PET	0.2126309199	0.004652223	-0.097385845
## RP_align.L.PET	1.0000000000	0.627625022	0.646159875
## LGRE_align.L.PET	0.6276250223	1.000000000	0.078259103
## HGRE_align.L.PET	0.6461598751	0.078259103	1.000000000
## LGSRE_align.L.PET	0.6330876604	0.999746408	0.091030060
## HGSRE_align.L.PET	0.6450602637	0.081671184	0.999836882
## LGHRE_align.L.PET	0.6024564323	0.995873403	0.026542662
## HGLRE_align.L.PET	0.6486042198	0.064237935	0.997071902
## GLNU_norm_align.L.PET	0.6807933793	0.875820099	0.286239112
## RLNU_norm_align.L.PET	0.9994934343	0.622022497	0.661281378
## GLVAR_align.L.PET	0.6966730616	0.285497429	0.902886324
## RLVAR_align.L.PET	0.6311440884	0.747639661	0.169328855
## Entropy_align.L.PET	0.9853523579	0.512167664	0.689763451
## SZSE.L.PET	0.9815045710	0.618654318	0.650469517
## LZSE.L.PET	0.6739736057	0.469233330	0.279700122
## LGLZE.L.PET	0.6394792357	0.997960523	0.097094245
## HGLZE.L.PET	0.6559305958	0.089059660	0.999129873
## SZLGE.L.PET	0.6514889423	0.988440722	0.141238968
## SZHGE.L.PET	0.6532168550	0.107418915	0.986568240
## LZLGE.L.PET	0.4956133016	0.915043255	-0.105320136
## LZHGE.L.PET	0.5264802265	0.008019716	0.817522962

## GLNU_area.L.PET	0.2370888610	0.135165784	-0.176378151
## ZSNU.L.PET	0.2154818570	-0.012940615	-0.076717594
## ZSP.L.PET	0.9884802864	0.611677660	0.672459851
## GLNU_norm.L.PET	0.6811634707	0.871793223	0.288617697
## ZSNU_norm.L.PET	0.9903549808	0.604737691	0.696503090
## GLVAR_area.L.PET	0.7074405775	0.294140890	0.903790910
## ZSVAR.L.PET	0.4223888986	0.489295876	-0.054057688
## Entropy_area.L.PET	0.9842374272	0.522265928	0.661474596
## Max_cooc.H.PET	0.3170464127	0.448048729	0.213242602
## Average_cooc.H.PET	0.9756011846	0.644989547	0.625463400
## Variance_cooc.H.PET	0.8547073251	0.350037948	0.618894598
## Entropy_cooc.H.PET	0.8353442274	0.528567226	0.481075673
## DAVE_cooc.H.PET	0.8856501752	0.441903526	0.665728411
## DVAR_cooc.H.PET	0.8622937501	0.361190603	0.711711138
## DENT_cooc.H.PET	0.7702296862	0.398517730	0.382091958
## SAVE_cooc.H.PET	0.9803259417	0.612418249	0.618397072
## SVAR_cooc.H.PET	0.8370999055	0.379348703	0.514472782
## SENT_cooc.H.PET	0.6957097026	0.552095927	0.464468032
## ASM_cooc.H.PET	0.3026143202	0.430319773	0.234060752
## Contrast_cooc.H.PET	0.7938927976	0.331881743	0.670883738
## Dissimilarity_cooc.H.PET	0.8856501752	0.441903526	0.665728411
## Inv_diff_cooc.H.PET	0.6738401431	0.561650274	0.402983156
## Inv_diff_norm_cooc.H.PET	0.9943414629	0.651072072	0.606936176
## IDM_cooc.H.PET	0.5702597540	0.507482465	0.346112153
## IDM_norm_cooc.H.PET	0.9973861029	0.644577510	0.612982518
## Inv_var_cooc_.H.PET	0.5950707423	0.719764166	0.254807083
## Correlation_cooc.H.PET	0.6477388166	0.422972530	0.251373547
## Autocorrelation_cooc.H.PET	0.9188554425	0.644022069	0.592767999
## Tendency_cooc.H.PET	0.8111186006	0.328468096	0.535464480
## Shade_cooc.H.PET	-0.4104057352	0.025651248	-0.464679650
## Prominence_cooc.H.PET	0.5928395456	0.121641661	0.413935710
## IC1_d.H.PET	-0.0915113997	0.109870374	0.057500575
## IC2_d.H.PET	0.7666314119	0.521088634	0.336187972
## Coarseness_vdif.H.PET	0.4445662458	0.668890982	0.314435124
## Contrast_vdif.H.PET	0.3030072878	0.087966538	0.540339330
## Busyness_vdif.H.PET	0.1109328948	-0.118647010	-0.101622753
## Complexity_vdif.H.PET	0.6747219941	0.533671835	0.612728455
## Strength_vdif.H.PET	0.0298439254	0.211211649	0.026450724
## SRE_align.H.PET	0.9743098506	0.608830772	0.614706453
## LRE_align.H.PET	0.6351481464	0.420730906	0.382982222
## RLNU_align.H.PET	0.2136331994	-0.000738331	-0.078274180
## RP_align.H.PET	0.9631206037	0.597121103	0.617386071
## LGRE_align.H.PET	0.4664024486	0.632702317	0.323408262
## HGRE_align.H.PET	0.9237066934	0.637942935	0.587366142
## LGSRE_align.H.PET	0.4640711731	0.632602968	0.322111464
## HGSRE_align.H.PET	0.9697293114	0.670903713	0.602038547
## LGHRE_align.H.PET	0.4787176569	0.633590690	0.329157136
## HGLRE_align.H.PET	0.4369888153	0.299182019	0.296428001
## GLNU_norm_align.H.PET	0.5212123761	0.536251053	0.359240464
## RLNU_norm_align.H.PET	0.9137197053	0.557079229	0.591653549
## GLVAR_align.H.PET	0.8199133016	0.303503944	0.592540649
## RLVAR_align.H.PET	0.2785283455	0.224952986	0.132434089
## Entropy_align.H.PET	0.8950067781	0.461539089	0.511705451
## SZSE.H.PET	0.8591763098	0.547781696	0.494429590

## LZSE.H.PET	-0.0618965167	-0.075653528	-0.047583136
## LGLZE.H.PET	0.4670099204	0.626892049	0.326610487
## HGLZE.H.PET	0.8674089683	0.649651409	0.406156181
## SZLGE.H.PET	0.4608960799	0.629010880	0.320436067
## SZHGE.H.PET	0.8360422099	0.663564860	0.385726060
## LZLGE.H.PET	0.0008608404	-0.002420186	0.014610810
## LZHGE.H.PET	-0.0516321803	-0.056779527	-0.011704717
## GLNU_area.H.PET	0.2500070637	0.061499679	-0.104312978
## ZSNU.H.PET	0.1874128191	-0.040242570	-0.052152599
## ZSP.H.PET	0.6777338988	0.386205994	0.415732822
## GLNU_norm.H.PET	0.5347958167	0.476767017	0.435816774
## ZSNU_norm.H.PET	0.7280158800	0.457209275	0.412670216
## GLVAR_area.H.PET	0.7983608465	0.281615094	0.554977815
## ZSVAR.H.PET	-0.0585364162	-0.070748847	-0.026347909
## Entropy_area.H.PET	0.9410219553	0.521666061	0.520923566
## Max_cooc.W.PET	0.3572648993	0.551072488	0.247731235
## Average_cooc.W.PET	0.5230436862	0.133713101	0.347194016
## Variance_cooc.W.PET	0.2579028525	0.109466817	0.087894192
## Entropy_cooc.W.PET	0.8552648006	0.443281282	0.498816066
## DAVE_cooc.W.PET	0.5553054069	0.247807484	0.352189406
## DVAR_cooc.W.PET	0.2956087682	0.099983925	0.150895211
## DENT_cooc.W.PET	0.8429276698	0.477117177	0.497289745
## SAVE_cooc.W.PET	0.5222657953	0.132407996	0.346667392
## SVAR_cooc.W.PET	0.2301886491	0.113893622	0.045299671
## SENT_cooc.W.PET	0.8945341973	0.553392831	0.522372586
## ASM_cooc.W.PET	0.3931364172	0.593158867	0.289113092
## Contrast_cooc.W.PET	0.3068862917	0.087279776	0.191200975
## Dissimilarity_cooc.W.PET	0.5553054069	0.247807484	0.352189406
## Inv_diff_cooc.W.PET	0.7539523981	0.575137478	0.484555026
## Inv_diff_norm_cooc.W.PET	0.9906554327	0.646826864	0.568531575
## IDM_cooc.W.PET	0.6206879885	0.505646816	0.408017209
## IDM_norm_cooc.W.PET	0.9956425686	0.636838645	0.596032833
## Inv_var_cooc.W.PET	0.6906963081	0.535651757	0.455697559
## Correlation_cooc.W.PET	0.6401075436	0.431084032	0.225703054
## Autocorrelation_cooc.W.PET	0.2538298566	-0.026892972	0.158758855
## Tendency_cooc.W.PET	0.2301886491	0.113893622	0.045299671
## Shade_cooc.W.PET	0.0369038350	0.135478819	-0.134827308
## Prominence_cooc.W.PET	0.0047304114	0.061392621	-0.102606605
## IC1_d.W.PET	-0.1126546981	0.108574283	0.015265372
## IC2_d.W.PET	0.8385178230	0.581059045	0.430283419
## Coarseness_vdif.W.PET	0.4663137859	0.588835383	0.507562197
## Contrast_vdif.W.PET	0.5000956747	0.302371264	0.500281552
## Busyness_vdif.W.PET	0.2290582023	0.054889405	0.114172852
## Complexity_vdif.W.PET	0.1596071291	0.093602504	-0.060995394
## Strength_vdif.W.PET	0.2549936446	0.503588807	0.011467873
## SRE_align.W.PET	0.9936092701	0.625946756	0.624213879
## LRE_align.W.PET	0.8641944648	0.555878384	0.537564552
## GLNU_align.W.PET	0.2410290770	0.117494760	-0.164112752
## RLNU_align.W.PET	0.2134212085	0.008524861	-0.092458064
## RP_align.W.PET	0.9896082038	0.621263541	0.624942800
## LGRE_align.W.PET	0.5042443654	0.660849606	0.247815751
## HGRE_align.W.PET	0.2563731410	-0.028765923	0.152486228
## LGSRE_align.W.PET	0.5410380516	0.695143874	0.272752255
## HGSRE_align.W.PET	0.2523601785	-0.027711032	0.148882787

## LGHRE_align.W.PET	0.3378110087	0.489674170	0.138595630
## HGLRE_align.W.PET	0.2720099435	-0.033929913	0.166135529
## GLNU_norm_align.W.PET	0.5233896376	0.590281128	0.358681502
## RLNU_norm_align.W.PET	0.9710759537	0.605353139	0.612992035
## GLVAR_align.W.PET	0.2567217517	0.079783785	0.094098895
## RLVAR_align.W.PET	0.3558287566	0.320036799	0.200944167
## Entropy_align.W.PET	0.8982481952	0.465280223	0.521339654
## SZSE.W.PET	0.9459673315	0.605212779	0.582359427
## LZSE.W.PET	0.1262925990	0.067883481	0.135225943
## LGLZE.W.PET	0.5288694976	0.638666081	0.279621552
## HGLZE.W.PET	0.2597160074	-0.014371485	0.143197844
## SZLGE.W.PET	0.6054608521	0.713265649	0.318711429
## SZHGE.W.PET	0.2485782228	-0.007050616	0.130830837
## LZLGE.W.PET	-0.0006623686	0.069870106	-0.011010696
## LZHGE.W.PET	0.2873033261	-0.059678243	0.214419647
## GLNU_area.W.PET	0.2525658774	0.099201329	-0.137369000
## ZSNU.W.PET	0.2039475407	-0.010662643	-0.072042869
## ZSP.W.PET	0.8755304524	0.542144135	0.535305003
## GLNU_norm.W.PET	0.5437500310	0.564055177	0.409172581
## ZSNU_norm.W.PET	0.8706115454	0.550074633	0.526646677
## GLVAR_area.W.PET	0.2602536366	0.087681071	0.087333582
## ZSVAR.W.PET	0.0390238798	0.012661977	0.076709932
## Entropy_area.W.PET	0.9345900847	0.504243976	0.532165261
## Min_hist.ADC	0.3455270054	0.186094014	0.398465463
## Max_hist.ADC	0.8742760239	0.587003744	0.429139809
## Mean_hist.ADC	0.8678574600	0.598377776	0.503969947
## Variance_hist.ADC	0.4420366876	0.414816541	0.099051335
## Standard_Deviation_hist.ADC	0.7194897542	0.541610351	0.316335647
## Skewness_hist.ADC	0.2271417630	0.062179697	0.182067499
## Kurtosis_hist.ADC	0.2686136400	0.184247637	0.087002318
## Energy_hist.ADC	0.4640109154	0.654398663	0.336612290
## Entropy_hist.ADC	0.9456222842	0.582157428	0.518812259
## AUC_hist.ADC	0.9750860435	0.600074912	0.618861796
## Volume.ADC	0.2989616388	0.038660959	-0.055549291
## X3D_surface.ADC	0.4131215386	0.216407213	0.060435945
## ratio_3ds_vol.ADC	0.6653218358	0.502725070	0.579650135
## ratio_3ds_vol_norm.ADC	0.9349886064	0.591303722	0.505067773
## irregularity.ADC	0.9638068625	0.593100980	0.671899669
## Compactness_v1.ADC	0.6997914306	0.714654206	0.498494942
##	LGSRE_align.L.PET	HGSRE_align.L.PET	
## Failure	0.009876577	0.115099229	
## Entropy_cooc.W.ADC	-0.032986250	-0.074295082	
## GLNU_align.H.PET	0.015873691	-0.177774658	
## Min_hist.PET	0.267408603	0.312743366	
## Max_hist.PET	0.303168223	0.160040485	
## Mean_hist.PET	0.207182527	0.323443044	
## Variance_hist.PET	0.080256676	0.093769061	
## Standard_Deviation_hist.PET	0.249886796	0.265515188	
## Skewness_hist.PET	0.789691545	-0.123857091	
## Kurtosis_hist.PET	0.557000782	-0.368942313	
## Energy_hist.PET	0.682805738	0.357525491	
## Entropy_hist.PET	0.479463409	0.392776014	
## AUC_hist.PET	0.668536861	0.599479762	
## H_suv.PET	0.258541766	0.393196414	

## Volume.PET	0.034110003	-0.062881700
## X3D_surface.PET	0.139830558	-0.070880544
## ratio_3ds_vol.PET	0.685534549	0.447949563
## ratio_3ds_vol_norm.PET	0.654424350	0.244723097
## irregularity.PET	0.667027194	0.640679020
## tumor_length.PET	0.399366018	0.152342994
## Compactness_v1.PET	0.649424094	0.339621083
## Compactness_v2.PET	-0.087880300	0.073561240
## Spherical_disproportion.PET	0.654424350	0.244723097
## Sphericity.PET	-0.156487677	0.072002284
## Asphericity.PET	0.646260487	0.228878867
## Center_of_mass.PET	0.280302741	0.005825568
## Max_3D_diam.PET	0.080036581	0.020659681
## Major_axis_length.PET	0.144321060	0.074040466
## Minor_axis_length.PET	0.337712020	0.137331325
## Least_axis_length.PET	0.206453049	0.112085849
## Elongation.PET	0.620808008	0.580751059
## Flatness.PET	0.522186675	0.562402079
## Max_cooc.L.PET	0.719465989	0.296172589
## Average_cooc.L.PET	0.255903944	0.954406949
## Variance_cooc.L.PET	0.340797412	0.845852130
## Entropy_cooc.L.PET	0.513586000	0.674830450
## DAVE_cooc.L.PET	0.411959152	0.834034787
## DVAR_cooc.L.PET	0.515477174	0.675747860
## DENT_cooc.L.PET	0.563220426	0.739869768
## SAVE_cooc.L.PET	0.255196527	0.954438694
## SVAR_cooc.L.PET	0.326426218	0.825975900
## SENT_cooc.L.PET	0.609267501	0.704381956
## ASM_cooc.L.PET	0.682454673	0.291436424
## Contrast_cooc.L.PET	0.317570603	0.763540712
## Dissimilarity_cooc.L.PET	0.411959152	0.834034787
## Inv_diff_cooc.L.PET	0.724313630	0.247947766
## Inv_diff_norm_cooc.L.PET	0.649117377	0.563042925
## IDM_cooc.L.PET	0.745534414	0.142443477
## IDM_norm_cooc.L.PET	0.640211039	0.592586918
## Inv_var_cooc.L.PET	0.736881481	0.146152477
## Correlation_cooc.L.PET	0.428704228	0.223343794
## Autocorrelation_cooc.L.PET	0.073783469	0.988675454
## Tendency_cooc.L.PET	0.326426218	0.825975900
## Shade_cooc.L.PET	0.431648893	0.015802846
## Prominence_cooc.L.PET	0.317539657	0.640389071
## IC1_.L.PET	-0.168252997	-0.528254540
## IC2_.L.PET	0.630398847	0.710491812
## Coarseness_vdif_.L.PET	0.646795440	0.484036357
## Contrast_vdif_.L.PET	0.268069344	0.421642119
## Busyness_vdif_.L.PET	0.169308154	-0.150706845
## Complexity_vdif_.L.PET	0.535498612	0.686868070
## Strength_vdif_.L.PET	0.510713220	0.326651027
## SRE_align.L.PET	0.634676445	0.640505855
## LRE_align.L.PET	0.644171187	0.562100808
## GLNU_align.L.PET	0.141415407	-0.197316866
## RLNU_align.L.PET	-0.000862354	-0.105733905
## RP_align.L.PET	0.633087660	0.645060264
## LGRE_align.L.PET	0.999746408	0.081671184

## HGRE_align.L.PET	0.091030060	0.999836882
## LGSRE_align.L.PET	1.000000000	0.094534040
## HGSRE_align.L.PET	0.094534040	1.000000000
## LGHRE_align.L.PET	0.993588517	0.029541476
## HGLRE_align.L.PET	0.076559545	0.995532240
## GLNU_norm_align.L.PET	0.881062379	0.288086237
## RLNU_norm_align.L.PET	0.627868126	0.660355060
## GLVAR_align.L.PET	0.298000488	0.906596917
## RLVAR_align.L.PET	0.749319106	0.165095858
## Entropy_align.L.PET	0.518131713	0.687060838
## SZSE.L.PET	0.625429628	0.651639569
## LZSE.L.PET	0.465018385	0.269528322
## LGLZE.L.PET	0.998205745	0.100377311
## HGLZE.L.PET	0.101811573	0.999249405
## SZLGE.L.PET	0.990517752	0.145428950
## SZHGE.L.PET	0.120786993	0.988744619
## LZLGE.L.PET	0.907263140	-0.105520623
## LZHGE.L.PET	0.015415540	0.809262881
## GLNU_area.L.PET	0.127385747	-0.183204390
## ZSNU.L.PET	-0.017684559	-0.084393296
## ZSP.L.PET	0.618682888	0.673317975
## GLNU_norm.L.PET	0.877215258	0.290390397
## ZSNU_norm.L.PET	0.611749748	0.696495210
## GLVAR_area.L.PET	0.306630788	0.907573730
## ZSVAR.L.PET	0.480867094	-0.064183434
## Entropy_area.L.PET	0.527506487	0.658358802
## Max_cooc.H.PET	0.448847880	0.216549830
## Average_cooc.H.PET	0.649227701	0.624998138
## Variance_cooc.H.PET	0.355608286	0.614446517
## Entropy_cooc.H.PET	0.530921561	0.479901323
## DAVE_cooc.H.PET	0.449801820	0.665804525
## DVAR_cooc.H.PET	0.369614817	0.711100612
## DENT_cooc.H.PET	0.401538071	0.379853493
## SAVE_cooc.H.PET	0.616713749	0.616986204
## SVAR_cooc.H.PET	0.383662149	0.508539801
## SENT_cooc.H.PET	0.559761792	0.462841618
## ASM_cooc.H.PET	0.431986927	0.236654501
## Contrast_cooc.H.PET	0.340791003	0.671541607
## Dissimilarity_cooc.H.PET	0.449801820	0.665804525
## Inv_diff_cooc.H.PET	0.562874739	0.402025936
## Inv_diff_norm_cooc.H.PET	0.655330954	0.605184614
## IDM_cooc.H.PET	0.508273136	0.345530656
## IDM_norm_cooc.H.PET	0.649060741	0.611299690
## Inv_var_cooc_.H.PET	0.727080719	0.254733344
## Correlation_cooc.H.PET	0.420900706	0.242816152
## Autocorrelation_cooc.H.PET	0.647464073	0.592627688
## Tendency_cooc.H.PET	0.331735456	0.528655518
## Shade_cooc.H.PET	0.022313813	-0.456185326
## Prominence_cooc.H.PET	0.123626648	0.405266186
## IC1_d.H.PET	0.119443936	0.064684845
## IC2_d.H.PET	0.520429606	0.329316637
## Coarseness_vdif.H.PET	0.679354611	0.316523117
## Contrast_vdif.H.PET	0.093724561	0.542386160
## Busyness_vdif.H.PET	-0.125272354	-0.103787424

## Complexity_vdif.H.PET	0.545045979	0.614577934
## Strength_vdif.H.PET	0.207041742	0.029602658
## SRE_align.H.PET	0.614465876	0.613819672
## LRE_align.H.PET	0.420972801	0.380012806
## RLNU_align.H.PET	-0.005458907	-0.086031270
## RP_align.H.PET	0.602995991	0.616729221
## LGRE_align.H.PET	0.643436658	0.324201900
## HGRE_align.H.PET	0.641099149	0.587793162
## LGSRE_align.H.PET	0.643358464	0.322952930
## HGSRE_align.H.PET	0.674984153	0.603501228
## LGHRE_align.H.PET	0.644138610	0.329596008
## HGLRE_align.H.PET	0.298511013	0.293822640
## GLNU_norm_align.H.PET	0.538928730	0.362301862
## RLNU_norm_align.H.PET	0.563267873	0.591303019
## GLVAR_align.H.PET	0.308662543	0.587088819
## RLVAR_align.H.PET	0.223437969	0.128616565
## Entropy_align.H.PET	0.464710011	0.507022294
## SZSE.H.PET	0.553184835	0.495227262
## LZSE.H.PET	-0.078068964	-0.048664857
## LGLZE.H.PET	0.637654298	0.327287266
## HGLZE.H.PET	0.650336465	0.405947381
## SZLGE.H.PET	0.639797875	0.321329352
## SZHGE.H.PET	0.665833997	0.390282010
## LZLGE.H.PET	-0.003780488	0.012407844
## LZHGE.H.PET	-0.059283287	-0.012843352
## GLNU_area.H.PET	0.055402255	-0.111046213
## ZSNU.H.PET	-0.043479489	-0.058495374
## ZSP.H.PET	0.391812982	0.416940902
## GLNU_norm.H.PET	0.481317832	0.437925945
## ZSNU_norm.H.PET	0.462023373	0.412675648
## GLVAR_area.H.PET	0.286552766	0.549504251
## ZSVAR.H.PET	-0.073010438	-0.027451062
## Entropy_area.H.PET	0.524518554	0.516189239
## Max_cooc.W.PET	0.554238319	0.251150137
## Average_cooc.W.PET	0.136874452	0.342273413
## Variance_cooc.W.PET	0.109088308	0.085900124
## Entropy_cooc.W.PET	0.447202997	0.495680843
## DAVE_cooc.W.PET	0.252235640	0.351676396
## DVAR_cooc.W.PET	0.101517374	0.150195893
## DENT_cooc.W.PET	0.481730074	0.495882479
## SAVE_cooc.W.PET	0.135548326	0.341742861
## SVAR_cooc.W.PET	0.112364682	0.042698323
## SENT_cooc.W.PET	0.558130920	0.519588521
## ASM_cooc.W.PET	0.598990283	0.291639512
## Contrast_cooc.W.PET	0.089933954	0.190973313
## Dissimilarity_cooc.W.PET	0.252235640	0.351676396
## Inv_diff_cooc.W.PET	0.577706907	0.483395890
## Inv_diff_norm_cooc.W.PET	0.650353582	0.566077480
## IDM_cooc.W.PET	0.507397010	0.407118364
## IDM_norm_cooc.W.PET	0.641007642	0.593909575
## Inv_var_cooc.W.PET	0.538537426	0.454737600
## Correlation_cooc.W.PET	0.428557834	0.217710073
## Autocorrelation_cooc.W.PET	-0.025937783	0.153668694
## Tendency_cooc.W.PET	0.112364682	0.042698323

## Shade_cooc.W.PET	0.130172438	-0.135016633
## Prominence_cooc.W.PET	0.056502604	-0.103986326
## IC1_d.W.PET	0.117992145	0.020890510
## IC2_d.W.PET	0.582360745	0.425538547
## Coarseness_vdif.W.PET	0.599849099	0.512885538
## Contrast_vdif.W.PET	0.311409431	0.503960835
## Busyness_vdif.W.PET	0.053425291	0.111653894
## Complexity_vdif.W.PET	0.089954265	-0.064383496
## Strength_vdif.W.PET	0.502671506	0.016014034
## SRE_align.W.PET	0.631273352	0.623077917
## LRE_align.W.PET	0.558050420	0.534301235
## GLNU_align.W.PET	0.109113853	-0.172117500
## RLNU_align.W.PET	0.003308183	-0.100456267
## RP_align.W.PET	0.626707960	0.623887696
## LGRE_align.W.PET	0.662798394	0.252211119
## HGRE_align.W.PET	-0.027910984	0.147538150
## LGSRE_align.W.PET	0.697877880	0.277366337
## HGSRE_align.W.PET	-0.026853908	0.144159327
## LGHRE_align.W.PET	0.488734103	0.141672315
## HGLRE_align.W.PET	-0.033149500	0.160123022
## GLNU_norm_align.W.PET	0.593809362	0.362104976
## RLNU_norm_align.W.PET	0.611006356	0.612062539
## GLVAR_align.W.PET	0.079374302	0.091123460
## RLVAR_align.W.PET	0.319973015	0.197696954
## Entropy_align.W.PET	0.468734346	0.517114863
## SZSE.W.PET	0.611214220	0.583376456
## LZSE.W.PET	0.065642875	0.131967489
## LGLZE.W.PET	0.641636785	0.283210383
## HGLZE.W.PET	-0.013788449	0.138518964
## SZLGE.W.PET	0.717991930	0.323406434
## SZHGE.W.PET	-0.006426222	0.127082408
## LZLGE.W.PET	0.066027711	-0.010402657
## LZHGE.W.PET	-0.060436062	0.201260865
## GLNU_area.W.PET	0.091938244	-0.144451634
## ZSNU.W.PET	-0.014825619	-0.078938953
## ZSP.W.PET	0.547963972	0.535962153
## GLNU_norm.W.PET	0.568860921	0.412215809
## ZSNU_norm.W.PET	0.555295028	0.526547102
## GLVAR_area.W.PET	0.087111763	0.084373964
## ZSVAR.W.PET	0.010481326	0.074500076
## Entropy_area.W.PET	0.507432741	0.527605422
## Min_hist.ADC	0.188932012	0.400566430
## Max_hist.ADC	0.588797721	0.427042750
## Mean_hist.ADC	0.600599140	0.503931408
## Variance_hist.ADC	0.414373114	0.097593985
## Standard_Deviation_hist.ADC	0.542802371	0.314610419
## Skewness_hist.ADC	0.065662662	0.179425076
## Kurtosis_hist.ADC	0.185684244	0.085678735
## Energy_hist.ADC	0.665160999	0.338171032
## Entropy_hist.ADC	0.585432946	0.516036855
## AUC_hist.ADC	0.605590942	0.616714484
## Volume.ADC	0.033899017	-0.060529658
## X3D_surface.ADC	0.216178141	0.056266529
## ratio_3ds_vol.ADC	0.508689588	0.582252135

## ratio_3ds_vol_norm.ADC	0.593855768	0.503687592
## irregularity.ADC	0.598934311	0.671358699
## Compactness_v1.ADC	0.725298501	0.498875174
##	LGHRE_align.L.PET	HGLRE_align.L.PET
## Failure	0.001825500	0.102900455
## Entropy_cooc.W.ADC	-0.021081378	-0.059008022
## GLNU_align.H.PET	0.031938158	-0.151489510
## Min_hist.PET	0.243276104	0.319599139
## Max_hist.PET	0.304344411	0.179818603
## Mean_hist.PET	0.186256532	0.338220754
## Variance_hist.PET	0.082040924	0.108709275
## Standard_Deviation_hist.PET	0.239551806	0.281268217
## Skewness_hist.PET	0.819586546	-0.148431949
## Kurtosis_hist.PET	0.613737504	-0.376887661
## Energy_hist.PET	0.625955077	0.340365282
## Entropy_hist.PET	0.474185609	0.416833777
## AUC_hist.PET	0.641702648	0.604394273
## H_suv.PET	0.225884548	0.397656757
## Volume.PET	0.060224076	-0.035369149
## X3D_surface.PET	0.155278823	-0.037676977
## ratio_3ds_vol.PET	0.646409826	0.415885213
## ratio_3ds_vol_norm.PET	0.637115212	0.251189788
## irregularity.PET	0.636388265	0.632751907
## tumor_length.PET	0.406597086	0.189756032
## Compactness_v1.PET	0.599661118	0.335204961
## Compactness_v2.PET	-0.074278227	0.084016346
## Spherical_disproportion.PET	0.637115212	0.251189788
## Sphericity.PET	-0.136049338	0.082036582
## Asphericity.PET	0.629456330	0.235252796
## Center_of_mass.PET	0.307806462	0.029207579
## Max_3D_diam.PET	0.108626619	0.057077402
## Major_axis_length.PET	0.160373939	0.110836870
## Minor_axis_length.PET	0.356588069	0.177870352
## Least_axis_length.PET	0.230437754	0.157222729
## Elongation.PET	0.597676478	0.585672268
## Flatness.PET	0.506372343	0.578404380
## Max_cooc.L.PET	0.671895620	0.286415223
## Average_cooc.L.PET	0.195803089	0.957161140
## Variance_cooc.L.PET	0.277894878	0.815491005
## Entropy_cooc.L.PET	0.480786923	0.685508848
## DAVE_cooc.L.PET	0.348934690	0.804795695
## DVAR_cooc.L.PET	0.470589886	0.638369801
## DENT_cooc.L.PET	0.521084799	0.735064248
## SAVE_cooc.L.PET	0.195137350	0.957204153
## SVAR_cooc.L.PET	0.269443799	0.805875215
## SENT_cooc.L.PET	0.569919708	0.707661167
## ASM_cooc.L.PET	0.630574269	0.282775584
## Contrast_cooc.L.PET	0.253744571	0.720971085
## Dissimilarity_cooc.L.PET	0.348934690	0.804795695
## Inv_diff_cooc.L.PET	0.730594143	0.273270483
## Inv_diff_norm_cooc.L.PET	0.628500219	0.574086897
## IDM_cooc.L.PET	0.757688784	0.169154737
## IDM_norm_cooc.L.PET	0.616294597	0.601716711
## Inv_var_cooc.L.PET	0.746213171	0.168787165

## Correlation_cooc.L.PET	0.439634953	0.262816796
## Autocorrelation_cooc.L.PET	0.010549020	0.990045350
## Tendency_cooc.L.PET	0.269443799	0.805875215
## Shade_cooc.L.PET	0.426302868	-0.017499616
## Prominence_cooc.L.PET	0.270373490	0.609077999
## IC1_.L.PET	-0.152926622	-0.497705328
## IC2_.L.PET	0.589638817	0.700568480
## Coarseness_vdif_.L.PET	0.586345382	0.459888645
## Contrast_vdif_.L.PET	0.232605143	0.381120892
## Busyness_vdif_.L.PET	0.206497093	-0.120717411
## Complexity_vdif_.L.PET	0.477257198	0.651396796
## Strength_vdif_.L.PET	0.487143103	0.279040253
## SRE_align.L.PET	0.604577521	0.644176160
## LRE_align.L.PET	0.626579670	0.576775018
## GLNU_align.L.PET	0.183479386	-0.159179518
## RLNU_align.L.PET	0.027199736	-0.062302152
## RP_align.L.PET	0.602456432	0.648604220
## LGRE_align.L.PET	0.995873403	0.064237935
## HGRE_align.L.PET	0.026542662	0.997071902
## LGSRE_align.L.PET	0.993588517	0.076559545
## HGSRE_align.L.PET	0.029541476	0.995532240
## LGHRE_align.L.PET	1.000000000	0.014504685
## HGLRE_align.L.PET	0.014504685	1.000000000
## GLNU_norm_align.L.PET	0.851699962	0.277645403
## RLNU_norm_align.L.PET	0.595293862	0.663009457
## GLVAR_align.L.PET	0.232571866	0.884591645
## RLVAR_align.L.PET	0.739686586	0.186554489
## Entropy_align.L.PET	0.485743993	0.698708027
## SZSE.L.PET	0.588246605	0.642691039
## LZSE.L.PET	0.484421281	0.323870908
## LGLZE.L.PET	0.991947824	0.083563157
## HGLZE.L.PET	0.037294006	0.995109140
## SZLGE.L.PET	0.975240259	0.123478664
## SZHGE.L.PET	0.052979599	0.973599229
## LZLGE.L.PET	0.942037949	-0.102722382
## LZHGE.L.PET	-0.021387330	0.850942486
## GLNU_area.L.PET	0.166234463	-0.147593995
## ZSNU.L.PET	0.006540928	-0.044788723
## ZSP.L.PET	0.580274634	0.666159429
## GLNU_norm.L.PET	0.847036006	0.280320176
## ZSNU_norm.L.PET	0.573331186	0.694305922
## GLVAR_area.L.PET	0.241247425	0.885268807
## ZSVAR.L.PET	0.522875328	-0.009691284
## Entropy_area.L.PET	0.498747403	0.672256972
## Max_cooc.H.PET	0.441873907	0.198383057
## Average_cooc.H.PET	0.624244367	0.625261684
## Variance_cooc.H.PET	0.326697713	0.635513624
## Entropy_cooc.H.PET	0.516507193	0.484504115
## DAVE_cooc.H.PET	0.408119456	0.663525380
## DVAR_cooc.H.PET	0.326061483	0.712089831
## DENT_cooc.H.PET	0.383973464	0.390424672
## SAVE_cooc.H.PET	0.591491737	0.622178092
## SVAR_cooc.H.PET	0.360773237	0.537354694
## SENT_cooc.H.PET	0.519936515	0.470295223

## ASM_cooc.H.PET	0.421147506	0.222075102
## Contrast_cooc.H.PET	0.294786153	0.666277693
## Dissimilarity_cooc.H.PET	0.408119456	0.663525380
## Inv_diff_cooc.H.PET	0.554012804	0.405245860
## Inv_diff_norm_cooc.H.PET	0.630661893	0.612203543
## IDM_cooc.H.PET	0.501913241	0.346959240
## IDM_norm_cooc.H.PET	0.623294817	0.617970281
## Inv_var_cooc_.H.PET	0.688719892	0.254383380
## Correlation_cooc.H.PET	0.430069034	0.285695508
## Autocorrelation_cooc.H.PET	0.626244296	0.591190615
## Tendency_cooc.H.PET	0.314650461	0.562064894
## Shade_cooc.H.PET	0.037662109	-0.498172182
## Prominence_cooc.H.PET	0.114282230	0.448612155
## IC1_d.H.PET	0.071593069	0.027840936
## IC2_d.H.PET	0.521421406	0.363411019
## Coarseness_vdif.H.PET	0.625368293	0.304644016
## Contrast_vdif.H.PET	0.064656177	0.529678465
## Busyness_vdif.H.PET	-0.093147559	-0.092829108
## Complexity_vdif.H.PET	0.486741514	0.603638982
## Strength_vdif.H.PET	0.224441183	0.013299062
## SRE_align.H.PET	0.583072836	0.616530884
## LRE_align.H.PET	0.417598515	0.393856201
## RLNU_align.H.PET	0.018656532	-0.045759849
## RP_align.H.PET	0.570426307	0.618290194
## LGRE_align.H.PET	0.588738581	0.318926015
## HGRE_align.H.PET	0.621404022	0.583565430
## LGSRE_align.H.PET	0.588550524	0.317434898
## HGSRE_align.H.PET	0.650371989	0.594110409
## LGHRE_align.H.PET	0.590402657	0.326150303
## HGLRE_align.H.PET	0.300046552	0.306045546
## GLNU_norm_align.H.PET	0.522249000	0.344922419
## RLNU_norm_align.H.PET	0.529273352	0.591529367
## GLVAR_align.H.PET	0.282197115	0.613378710
## RLVAR_align.H.PET	0.230253356	0.147784645
## Entropy_align.H.PET	0.446887369	0.529572787
## SZSE.H.PET	0.523466827	0.489297810
## LZSE.H.PET	-0.065377695	-0.043076431
## LGLZE.H.PET	0.582852773	0.322597029
## HGLZE.H.PET	0.642538385	0.405856154
## SZLGE.H.PET	0.584847572	0.315531568
## SZHGE.H.PET	0.649870291	0.365721052
## LZLGE.H.PET	0.004156269	0.023844504
## LZHGE.H.PET	-0.046687032	-0.007191870
## GLNU_area.H.PET	0.085960269	-0.076234391
## ZSNU.H.PET	-0.026665107	-0.025908165
## ZSP.H.PET	0.361539827	0.409482348
## GLNU_norm.H.PET	0.456204608	0.424964990
## ZSNU_norm.H.PET	0.435690005	0.411778833
## GLVAR_area.H.PET	0.261285662	0.576072995
## ZSVAR_H.PET	-0.061019138	-0.021883083
## Entropy_area.H.PET	0.507793567	0.538988833
## Max_cooc.W.PET	0.535620146	0.232444195
## Average_cooc.W.PET	0.120704237	0.366531097
## Variance_cooc.W.PET	0.110786097	0.096033926

## Entropy_cooc.W.PET	0.425477625	0.510446799
## DAVE_cooc.W.PET	0.228403352	0.353486093
## DVAR_cooc.W.PET	0.093306637	0.153464138
## DENT_cooc.W.PET	0.455970140	0.501857205
## SAVE_cooc.W.PET	0.119485529	0.366022746
## SVAR_cooc.W.PET	0.120029770	0.056091569
## SENT_cooc.W.PET	0.531889740	0.532500138
## ASM_cooc.W.PET	0.567512917	0.277381466
## Contrast_cooc.W.PET	0.075923854	0.191678101
## Dissimilarity_cooc.W.PET	0.228403352	0.353486093
## Inv_diff_cooc.W.PET	0.562209925	0.487445586
## Inv_diff_norm_cooc.W.PET	0.629603376	0.576855295
## IDM_cooc.W.PET	0.496402340	0.409981461
## IDM_norm_cooc.W.PET	0.616998741	0.602893708
## Inv_var_cooc.W.PET	0.521980261	0.457656604
## Correlation_cooc.W.PET	0.439657022	0.257669754
## Autocorrelation_cooc.W.PET	-0.030026160	0.179292140
## Tendency_cooc.W.PET	0.120029770	0.056091569
## Shade_cooc.W.PET	0.157998989	-0.133412714
## Prominence_cooc.W.PET	0.083154350	-0.096467734
## IC1_d.W.PET	0.071958264	-0.007908490
## IC2_d.W.PET	0.572757290	0.448469271
## Coarseness_vdif.W.PET	0.542338239	0.483675447
## Contrast_vdif.W.PET	0.263476452	0.483798685
## Busyness_vdif.W.PET	0.059519958	0.123891648
## Complexity_vdif.W.PET	0.109326146	-0.046665191
## Strength_vdif.W.PET	0.502518164	-0.007208874
## SRE_align.W.PET	0.601374337	0.626941690
## LRE_align.W.PET	0.544399627	0.549428205
## GLNU_align.W.PET	0.150824355	-0.130157150
## RLNU_align.W.PET	0.029872217	-0.058877149
## RP_align.W.PET	0.596227419	0.627372961
## LGRE_align.W.PET	0.648659144	0.228528939
## HGRE_align.W.PET	-0.031374506	0.172469123
## LGSRE_align.W.PET	0.679653421	0.252501482
## HGSRE_align.W.PET	-0.030357870	0.167939916
## LGHRE_align.W.PET	0.489900794	0.125056862
## HGLRE_align.W.PET	-0.036106931	0.190555945
## GLNU_norm_align.W.PET	0.572754574	0.342910519
## RLNU_norm_align.W.PET	0.579526728	0.615061872
## GLVAR_align.W.PET	0.081640954	0.106250856
## RLVAR_align.W.PET	0.319253367	0.213582831
## Entropy_align.W.PET	0.449435019	0.537313282
## SZSE.W.PET	0.578058220	0.575720827
## LZSE.W.PET	0.076186621	0.148735349
## LGLZE.W.PET	0.623039800	0.263468483
## HGLZE.W.PET	-0.016008741	0.162126027
## SZLGE.W.PET	0.690719787	0.297500440
## SZHGE.W.PET	-0.008997922	0.145790142
## LZLGE.W.PET	0.083861273	-0.013884140
## LZHGE.W.PET	-0.055160340	0.270147386
## GLNU_area.W.PET	0.128151709	-0.107699028
## ZSNU.W.PET	0.006506211	-0.043396567
## ZSP.W.PET	0.515992666	0.530719052

## GLNU_norm.W.PET	0.542087123	0.394713570
## ZSNU_norm.W.PET	0.526247871	0.525691324
## GLVAR_area.W.PET	0.090175353	0.099467686
## ZSVAR.W.PET	0.021053906	0.085756091
## Entropy_area.W.PET	0.489182957	0.549466004
## Min_hist.ADC	0.173778679	0.387823642
## Max_hist.ADC	0.576427375	0.436619397
## Mean_hist.ADC	0.585599755	0.502592590
## Variance_hist.ADC	0.413801364	0.104865003
## Standard_Deviation_hist.ADC	0.533445867	0.322573357
## Skewness_hist.ADC	0.048453054	0.192100147
## Kurtosis_hist.ADC	0.177254231	0.093109033
## Energy_hist.ADC	0.610049351	0.328924467
## Entropy_hist.ADC	0.566116129	0.528612691
## AUC_hist.ADC	0.575055022	0.625606202
## Volume.ADC	0.057731266	-0.035618759
## X3D_surface.ADC	0.216339413	0.077306703
## ratio_3ds_vol.ADC	0.476010654	0.567036396
## ratio_3ds_vol_norm.ADC	0.577820169	0.509068113
## irregularity.ADC	0.566661060	0.671992630
## Compactness_v1.ADC	0.670092286	0.495258839
##	GLNU_norm_align.L.PET	RLNU_norm_align.L.PET
## Failure	0.036996167	0.0110279725
## Entropy_cooc.W.ADC	0.001792788	0.0123670310
## GLNU_align.H.PET	0.026843917	-0.0609633160
## Min_hist.PET	0.228319393	0.5292765394
## Max_hist.PET	0.288399456	0.5249811644
## Mean_hist.PET	0.210188400	0.5253232982
## Variance_hist.PET	0.083566103	0.2499801701
## Standard_Deviation_hist.PET	0.256042491	0.5275176290
## Skewness_hist.PET	0.627040358	0.5210060555
## Kurtosis_hist.PET	0.429703240	0.1229637097
## Energy_hist.PET	0.898243996	0.4613142129
## Entropy_hist.PET	0.515414993	0.8533597963
## AUC_hist.PET	0.719215976	0.9919910901
## H_suv.PET	0.318041040	0.5674926003
## Volume.PET	0.017604133	0.2941401437
## X3D_surface.PET	0.163412581	0.1908616927
## ratio_3ds_vol.PET	0.736907808	0.5948351633
## ratio_3ds_vol_norm.PET	0.725528595	0.5736269627
## irregularity.PET	0.699033562	0.9740500225
## tumor_length.PET	0.458355662	0.5704259686
## Compactness_v1.PET	0.866345816	0.5575140716
## Compactness_v2.PET	-0.135517640	0.2193445037
## Spherical_disproportion.PET	0.725528595	0.5736269627
## Sphericity.PET	-0.241095007	0.2191124476
## Asphericity.PET	0.717577892	0.5516086356
## Center_of_mass.PET	0.281443023	0.3403234731
## Max_3D_diam.PET	0.048257911	0.4237862753
## Major_axis_length.PET	0.154055721	0.4714283036
## Minor_axis_length.PET	0.352176009	0.6214719213
## Least_axis_length.PET	0.204181664	0.5189804208
## Elongation.PET	0.671032453	0.8596288371
## Flatness.PET	0.549754773	0.7909327329

## Max_cooc.L.PET	0.928631265	0.4786610871
## Average_cooc.L.PET	0.412246974	0.8373495754
## Variance_cooc.L.PET	0.375418670	0.6895276695
## Entropy_cooc.L.PET	0.566635999	0.9816483997
## DAVE_cooc.L.PET	0.460685338	0.7959354991
## DVAR_cooc.L.PET	0.531342584	0.7014779070
## DENT_cooc.L.PET	0.606603089	0.9831145434
## SAVE_cooc.L.PET	0.411320296	0.8371588748
## SVAR_cooc.L.PET	0.356680713	0.6919491066
## SENT_cooc.L.PET	0.675651259	0.9818577407
## ASM_cooc.L.PET	0.906254749	0.4503229914
## Contrast_cooc.L.PET	0.354397865	0.5927889530
## Dissimilarity_cooc.L.PET	0.460685338	0.7959354991
## Inv_diff_cooc.L.PET	0.776118436	0.8225273263
## Inv_diff_norm_cooc.L.PET	0.692218752	0.9857738095
## IDM_cooc.L.PET	0.808386985	0.7291921889
## IDM_norm_cooc.L.PET	0.684737943	0.9923218562
## Inv_var_cooc.L.PET	0.803679106	0.7341825973
## Correlation_cooc.L.PET	0.460348888	0.6256421918
## Autocorrelation_cooc.L.PET	0.265633030	0.6386947037
## Tendency_cooc.L.PET	0.356680713	0.6919491066
## Shade_cooc.L.PET	0.265294191	0.3362098175
## Prominence_cooc.L.PET	0.287219715	0.5004305636
## IC1_.L.PET	-0.102247828	-0.3820312857
## IC2_.L.PET	0.686161445	0.9134726149
## Coarseness_vdif_.L.PET	0.856618469	0.5036543402
## Contrast_vdif_.L.PET	0.278700662	0.2640480199
## Busyness_vdif_.L.PET	0.128727184	0.2747186574
## Complexity_vdif_.L.PET	0.552265263	0.7520430938
## Strength_vdif_.L.PET	0.435223448	0.3261840166
## SRE_align.L.PET	0.681949913	0.9991249111
## LRE_align.L.PET	0.682905997	0.9825557333
## GLNU_align.L.PET	0.126275435	0.2127122765
## RLNU_align.L.PET	0.008302383	0.1947792147
## RP_align.L.PET	0.680793379	0.9994934343
## LGRE_align.L.PET	0.875820099	0.6220224966
## HGRE_align.L.PET	0.286239112	0.6612813783
## LGSRE_align.L.PET	0.881062379	0.6278681265
## HGSRE_align.L.PET	0.288086237	0.6603550602
## LGHRE_align.L.PET	0.851699962	0.5952938622
## HGLRE_align.L.PET	0.277645403	0.6630094570
## GLNU_norm_align.L.PET	1.000000000	0.6771722473
## RLNU_norm_align.L.PET	0.677172247	1.0000000000
## GLVAR_align.L.PET	0.362842940	0.7146509951
## RLVAR_align.L.PET	0.899770594	0.6180586579
## Entropy_align.L.PET	0.581071685	0.9851169464
## SZSE.L.PET	0.674996565	0.9802080088
## LZSE.L.PET	0.479761184	0.6704109186
## LGLZE.L.PET	0.886249385	0.6340171456
## HGLZE.L.PET	0.293985256	0.6712081630
## SZLGE.L.PET	0.898998372	0.6467527392
## SZHGE.L.PET	0.306064770	0.6678305725
## LZLGE.L.PET	0.736974409	0.4862346994
## LZHGE.L.PET	0.191983245	0.5406516701

## GLNU_area.L.PET	0.113803002	0.2155148284
## ZSNU.L.PET	-0.006997153	0.1980218776
## ZSP.L.PET	0.669516210	0.9888802516
## GLNU_norm.L.PET	0.999802315	0.6775983196
## ZSNU_norm.L.PET	0.664366294	0.9932448621
## GLVAR_area.L.PET	0.374145982	0.7252920064
## ZSVAR.L.PET	0.507872342	0.4065634222
## Entropy_area.L.PET	0.586907445	0.9826151513
## Max_cooc.H.PET	0.486512992	0.3202781873
## Average_cooc.H.PET	0.672958730	0.9758853327
## Variance_cooc.H.PET	0.461806467	0.8519531213
## Entropy_cooc.H.PET	0.496947363	0.8331837984
## DAVE_cooc.H.PET	0.520371986	0.8897121962
## DVAR_cooc.H.PET	0.503163317	0.8670719669
## DENT_cooc.H.PET	0.409751220	0.7665276279
## SAVE_cooc.H.PET	0.646585735	0.9793416440
## SVAR_cooc.H.PET	0.482447538	0.8304171608
## SENT_cooc.H.PET	0.650366710	0.6961958988
## ASM_cooc.H.PET	0.527111176	0.3058363158
## Contrast_cooc.H.PET	0.444954636	0.8005321753
## Dissimilarity_cooc.H.PET	0.520371986	0.8897121962
## Inv_diff_cooc.H.PET	0.625855222	0.6716470504
## Inv_diff_norm_cooc.H.PET	0.697275020	0.9919779378
## IDM_cooc.H.PET	0.574270057	0.5687026068
## IDM_norm_cooc.H.PET	0.689666213	0.9952807364
## Inv_var_cooc.H.PET	0.884824008	0.5910900486
## Correlation_cooc.H.PET	0.452550773	0.6321919843
## Autocorrelation_cooc.H.PET	0.664439605	0.9195995293
## Tendency_cooc.H.PET	0.429507913	0.8035360395
## Shade_cooc.H.PET	-0.161025820	-0.4067726285
## Prominence_cooc.H.PET	0.246900521	0.5832963868
## IC1_d.H.PET	0.227391331	-0.0779058454
## IC2_d.H.PET	0.543638469	0.7534612085
## Coarseness_vdif.H.PET	0.896804202	0.4473480141
## Contrast_vdif.H.PET	0.272223311	0.3116028833
## Busyness_vdif.H.PET	-0.237411669	0.1017442190
## Complexity_vdif.H.PET	0.693877019	0.6839824839
## Strength_vdif.H.PET	0.155643789	0.0342740453
## SRE_align.H.PET	0.650437748	0.9736272127
## LRE_align.H.PET	0.474961364	0.6327291470
## RLNU_align.H.PET	0.011431867	0.1968906651
## RP_align.H.PET	0.640118052	0.9630187139
## LGRE_align.H.PET	0.891023792	0.4674053949
## HGRE_align.H.PET	0.667176149	0.9242151549
## LGSRE_align.H.PET	0.890503967	0.4651394341
## HGSRE_align.H.PET	0.681543165	0.9708649909
## LGHRE_align.H.PET	0.894059787	0.4793360573
## HGLRE_align.H.PET	0.350858955	0.4358463714
## GLNU_norm_align.H.PET	0.580402436	0.5253912142
## RLNU_norm_align.H.PET	0.594884899	0.9144319071
## GLVAR_align.H.PET	0.426030602	0.8159338435
## RLVAR_align.H.PET	0.273855523	0.2745014149
## Entropy_align.H.PET	0.509060173	0.8883245255
## SZSE.H.PET	0.563828583	0.8562745028

## LZSE.H.PET	-0.065693291	-0.0634874950
## LGLZE.H.PET	0.888849285	0.4679588817
## HGLZE.H.PET	0.619922823	0.8653884897
## SZLGE.H.PET	0.888734372	0.4619475849
## SZHGE.H.PET	0.592849238	0.8342426304
## LZLGE.H.PET	0.051649033	-0.0012101571
## LZHGE.H.PET	-0.033635090	-0.0524016352
## GLNU_area.H.PET	0.040625809	0.2317381051
## ZSNU.H.PET	-0.016833170	0.1726976074
## ZSP.H.PET	0.398401041	0.6779644844
## GLNU_norm.H.PET	0.557575915	0.5398397698
## ZSNU_norm.H.PET	0.460572640	0.7275882491
## GLVAR_area.H.PET	0.410995094	0.7939865495
## ZSVAR_H.PET	-0.049552112	-0.0600944805
## Entropy_area.H.PET	0.571235503	0.9339668646
## Max_cooc.W.PET	0.652911188	0.3611940028
## Average_cooc.W.PET	0.200709646	0.5172857476
## Variance_cooc.W.PET	0.098133382	0.2517625123
## Entropy_cooc.W.PET	0.472974856	0.8510446882
## DAVE_cooc.W.PET	0.257131483	0.5552659575
## DVAR_cooc.W.PET	0.101491275	0.2932347276
## DENT_cooc.W.PET	0.488987514	0.8411957094
## SAVE_cooc.W.PET	0.198924037	0.5165033477
## SVAR_cooc.W.PET	0.096260204	0.2220894771
## SENT_cooc.W.PET	0.592851223	0.8907840829
## ASM_cooc.W.PET	0.770441069	0.3962971014
## Contrast_cooc.W.PET	0.093149899	0.3064212413
## Dissimilarity_cooc.W.PET	0.257131483	0.5552659575
## Inv_diff_cooc.W.PET	0.653286526	0.7526763417
## Inv_diff_norm_cooc.W.PET	0.693992525	0.9863490388
## IDM_cooc.W.PET	0.588804341	0.6196868040
## IDM_norm_cooc.W.PET	0.685669270	0.9925772388
## Inv_var_cooc.W.PET	0.631274215	0.6889913462
## Correlation_cooc.W.PET	0.458391566	0.6246561965
## Autocorrelation_cooc.W.PET	0.033926459	0.2462356358
## Tendency_cooc.W.PET	0.096260204	0.2220894771
## Shade_cooc.W.PET	0.079468161	0.0284369511
## Prominence_cooc.W.PET	0.028912603	-0.0037513652
## IC1_d.W.PET	0.265070394	-0.1020591877
## IC2_d.W.PET	0.609799359	0.8296688258
## Coarseness_vdif.W.PET	0.800946321	0.4756148284
## Contrast_vdif.W.PET	0.311930104	0.5105256548
## Busyness_vdif.W.PET	0.004863684	0.2271420940
## Complexity_vdif.W.PET	0.095523241	0.1476482250
## Strength_vdif.W.PET	0.340469648	0.2551902633
## SRE_align.W.PET	0.671901487	0.9923870069
## LRE_align.W.PET	0.615956346	0.8619759001
## GLNU_align.W.PET	0.073995622	0.2211673016
## RLNU_align.W.PET	0.015910045	0.1958867559
## RP_align.W.PET	0.666852582	0.9886633082
## LGRE_align.W.PET	0.591258460	0.5081538948
## HGRE_align.W.PET	0.030549641	0.2486928103
## LGSRE_align.W.PET	0.625627857	0.5452662986
## HGSRE_align.W.PET	0.029276445	0.2448466952

## LGHRE_align.W.PET	0.425802209	0.3402045730
## HGLRE_align.W.PET	0.035073246	0.2636623837
## GLNU_norm_align.W.PET	0.656535193	0.5278386139
## RLNU_norm_align.W.PET	0.646120160	0.9705822739
## GLVAR_align.W.PET	0.082742329	0.2494601300
## RLVAR_align.W.PET	0.406208451	0.3528347338
## Entropy_align.W.PET	0.511518880	0.8923550768
## SZSE.W.PET	0.641993468	0.9433546172
## LZSE.W.PET	0.118986230	0.1285114125
## LGLZE.W.PET	0.600856357	0.5328323083
## HGLZE.W.PET	0.037965448	0.2518966474
## SZLGE.W.PET	0.687069246	0.6088949933
## SZHGE.W.PET	0.037035547	0.2408986019
## LZLGE.W.PET	0.050482184	0.0002247099
## LZHGE.W.PET	0.050952907	0.2819265206
## GLNU_area.W.PET	0.064835394	0.2326699024
## ZSNU.W.PET	0.003506718	0.1874714886
## ZSP.W.PET	0.567157487	0.8739577020
## GLNU_norm.W.PET	0.660333178	0.5485174345
## ZSNU_norm.W.PET	0.571675276	0.8702003396
## GLVAR_area.W.PET	0.091164301	0.2527410941
## ZSVAR.W.PET	0.060694523	0.0405798693
## Entropy_area.W.PET	0.551188444	0.9281812942
## Min_hist.ADC	0.269256761	0.3510086280
## Max_hist.ADC	0.610152039	0.8683274724
## Mean_hist.ADC	0.619230967	0.8671512426
## Variance_hist.ADC	0.417690111	0.4346694203
## Standard_Deviation_hist.ADC	0.559799584	0.7134052054
## Skewness_hist.ADC	0.119519041	0.2234940068
## Kurtosis_hist.ADC	0.163286261	0.2663238966
## Energy_hist.ADC	0.893338167	0.4664918685
## Entropy_hist.ADC	0.615090240	0.9405791441
## AUC_hist.ADC	0.667754935	0.9726346530
## Volume.ADC	0.009754547	0.2833777232
## X3D_surface.ADC	0.221141481	0.4016223384
## ratio_3ds_vol.ADC	0.584523700	0.6721422743
## ratio_3ds_vol_norm.ADC	0.612624761	0.9302104409
## irregularity.ADC	0.661182544	0.9650261242
## Compactness_v1.ADC	0.924083944	0.7021968879
##	GLVAR_align.L.PET	RLVAR_align.L.PET
## Failure	0.1199082616	-0.033345878
## Entropy_cooc.W.ADC	-0.1333463964	0.097500828
## GLNU_align.H.PET	-0.2141298085	0.179406078
## Min_hist.PET	0.3261990287	0.250265586
## Max_hist.PET	0.1390780958	0.418724276
## Mean_hist.PET	0.2915658081	0.281175449
## Variance_hist.PET	0.0674112523	0.214913258
## Standard_Deviation_hist.PET	0.2549300532	0.361960707
## Skewness_hist.PET	0.1139871993	0.496723393
## Kurtosis_hist.PET	-0.2928513188	0.380276517
## Energy_hist.PET	0.3934122964	0.763581836
## Entropy_hist.PET	0.3926862102	0.600333774
## AUC_hist.PET	0.6517679786	0.683598825
## H_suv.PET	0.3891375455	0.333335463

## Volume.PET	-0.1529919771	0.211202542
## X3D_surface.PET	-0.1250711351	0.377214171
## ratio_3ds_vol.PET	0.5916672928	0.499160211
## ratio_3ds_vol_norm.PET	0.3187007208	0.739018399
## irregularity.PET	0.7284618230	0.582509352
## tumor_length.PET	0.1125178142	0.661513225
## Compactness_v1.PET	0.3287074467	0.819327444
## Compactness_v2.PET	0.0138751575	-0.054506199
## Spherical_disproportion.PET	0.3187007208	0.739018399
## Sphericity.PET	0.0234987805	-0.164415744
## Asphericity.PET	0.3025907778	0.732381909
## Center_of_mass.PET	0.0337804709	0.468883228
## Max_3D_diam.PET	-0.0632394386	0.281856244
## Major_axis_length.PET	-0.0090379102	0.374040669
## Minor_axis_length.PET	0.0886087334	0.583706805
## Least_axis_length.PET	0.0427235163	0.467098910
## Elongation.PET	0.6434297253	0.623905249
## Flatness.PET	0.6033685661	0.563506931
## Max_cooc.L.PET	0.3190267825	0.835661499
## Average_cooc.L.PET	0.9052482833	0.321596166
## Variance_cooc.L.PET	0.9875325991	0.122187169
## Entropy_cooc.L.PET	0.7033926141	0.555246121
## DAVE_cooc.L.PET	0.9437794431	0.218479090
## DVAR_cooc.L.PET	0.8068853734	0.278011497
## DENT_cooc.L.PET	0.8107973090	0.499422304
## SAVE_cooc.L.PET	0.9052451135	0.320727232
## SVAR_cooc.L.PET	0.9619583857	0.154802301
## SENT_cooc.L.PET	0.7608649301	0.613278247
## ASM_cooc.L.PET	0.3071294451	0.825892823
## Contrast_cooc.L.PET	0.8952076070	0.053698406
## Dissimilarity_cooc.L.PET	0.9437794431	0.218479090
## Inv_diff_cooc.L.PET	0.2523513086	0.880130771
## Inv_diff_norm_cooc.L.PET	0.6000653680	0.689766242
## IDM_cooc.L.PET	0.1417917867	0.928558896
## IDM_norm_cooc.L.PET	0.6334045337	0.668705900
## Inv_var_cooc.L.PET	0.1453636786	0.920390162
## Correlation_cooc.L.PET	0.2162180119	0.655298869
## Autocorrelation_cooc.L.PET	0.8948323643	0.161155811
## Tendency_cooc.L.PET	0.9619583857	0.154802301
## Shade_cooc.L.PET	0.3373626265	0.084423685
## Prominence_cooc.L.PET	0.8485926887	0.036173535
## IC1_.L.PET	-0.6465205736	0.111543941
## IC2_.L.PET	0.8096402898	0.558431768
## Coarseness_vdif_.L.PET	0.5167801880	0.669062128
## Contrast_vdif_.L.PET	0.5422992387	0.008714321
## Busyness_vdif_.L.PET	-0.1869356674	0.349400529
## Complexity_vdif_.L.PET	0.8455141876	0.278239944
## Strength_vdif_.L.PET	0.5087034929	0.100022239
## SRE_align.L.PET	0.6913359465	0.634993867
## LRE_align.L.PET	0.6008299511	0.688192745
## GLNU_align.L.PET	-0.2684446387	0.393226560
## RLNU_align.L.PET	-0.2026928645	0.283073316
## RP_align.L.PET	0.6966730616	0.631144088
## LGRE_align.L.PET	0.2854974288	0.747639661

## HGRE_align.L.PET	0.9028863241	0.169328855
## LGSRE_align.L.PET	0.2980004876	0.749319106
## HGSRE_align.L.PET	0.9065969171	0.165095858
## LGHRE_align.L.PET	0.2325718660	0.739686586
## HGLRE_align.L.PET	0.8845916451	0.186554489
## GLNU_norm_align.L.PET	0.3628429395	0.899770594
## RLNU_norm_align.L.PET	0.7146509951	0.618058658
## GLVAR_align.L.PET	1.0000000000	0.149569659
## RLVAR_align.L.PET	0.1495696591	1.000000000
## Entropy_align.L.PET	0.7057067217	0.575737672
## SZSE.L.PET	0.7039012273	0.600493733
## LZSE.L.PET	0.2815783385	0.601406050
## LGLZE.L.PET	0.2975301356	0.759076141
## HGLZE.L.PET	0.9084363947	0.172136698
## SZLGE.L.PET	0.3362527350	0.756474389
## SZHGE.L.PET	0.9101665140	0.159083280
## LZLGE.L.PET	0.0777475554	0.696167686
## LZHGE.L.PET	0.6935900732	0.202457868
## GLNU_area.L.PET	-0.2559566414	0.375308420
## ZSNU.L.PET	-0.1837740368	0.255967005
## ZSP.L.PET	0.7285232877	0.586597310
## GLNU_norm.L.PET	0.3632738955	0.901609123
## ZSNU_norm.L.PET	0.7533884475	0.575992627
## GLVAR_area.L.PET	0.9989686828	0.161617050
## ZSVAR.L.PET	-0.0897962941	0.730736516
## Entropy_area.L.PET	0.6755644028	0.597296648
## Max_cooc.H.PET	0.2941255350	0.315687470
## Average_cooc.H.PET	0.7026701631	0.589414273
## Variance_cooc.H.PET	0.5422381623	0.537485092
## Entropy_cooc.H.PET	0.5576772695	0.474787101
## DAVE_cooc.H.PET	0.6746955497	0.454945769
## DVAR_cooc.H.PET	0.6583795010	0.444969127
## DENT_cooc.H.PET	0.4116785848	0.433461284
## SAVE_cooc.H.PET	0.6813961929	0.597902103
## SVAR_cooc.H.PET	0.4407993762	0.596483082
## SENT_cooc.H.PET	0.4973340498	0.646892858
## ASM_cooc.H.PET	0.2724579024	0.380737557
## Contrast_cooc.H.PET	0.6440630020	0.366361785
## Dissimilarity_cooc.H.PET	0.6746955497	0.454945769
## Inv_diff_cooc.H.PET	0.4503373690	0.561722998
## Inv_diff_norm_cooc.H.PET	0.6585161255	0.665600507
## IDM_cooc.H.PET	0.3898385222	0.501702696
## IDM_norm_cooc.H.PET	0.6644793282	0.657340468
## Inv_var_cooc.H.PET	0.2954461324	0.872865004
## Correlation_cooc.H.PET	0.2201957895	0.666004387
## Autocorrelation_cooc.H.PET	0.6825390106	0.561585400
## Tendency_cooc.H.PET	0.4387354816	0.581770346
## Shade_cooc.H.PET	-0.2256203180	-0.325424806
## Prominence_cooc.H.PET	0.2428803330	0.469470853
## IC1_d.H.PET	0.0728343950	0.017839757
## IC2_d.H.PET	0.3427057182	0.699420231
## Coarseness_vdif.H.PET	0.3406056207	0.793734725
## Contrast_vdif.H.PET	0.4619502805	0.140659041
## Busyness_vdif.H.PET	-0.1280611255	-0.131834229

## Complexity_vdif.H.PET	0.6411989347	0.556336762
## Strength_vdif.H.PET	0.0859099979	0.016069428
## SRE_align.H.PET	0.6633032171	0.610339547
## LRE_align.H.PET	0.4126726576	0.465346884
## RLNU_align.H.PET	-0.1829943265	0.271096902
## RP_align.H.PET	0.6654456739	0.594942046
## LGRE_align.H.PET	0.3180413142	0.828204081
## HGRE_align.H.PET	0.6631491887	0.562634587
## LGSRE_align.H.PET	0.3175717929	0.826476937
## HGSRE_align.H.PET	0.6940773914	0.564717493
## LGHRE_align.H.PET	0.3193761931	0.839341795
## HGLRE_align.H.PET	0.3127083262	0.329195941
## GLNU_norm_align.H.PET	0.4655054546	0.397848143
## RLNU_norm_align.H.PET	0.6382642528	0.550339080
## GLVAR_align.H.PET	0.4894880869	0.530535179
## RLVAR_align.H.PET	0.1435608369	0.312116653
## Entropy_align.H.PET	0.4936176538	0.599294707
## SZSE.H.PET	0.5408939311	0.536120785
## LZSE.H.PET	-0.0197498010	-0.033263671
## LGLZE.H.PET	0.3176233276	0.827980083
## HGLZE.H.PET	0.5358268852	0.550794934
## SZLGE.H.PET	0.3157393309	0.823811502
## SZHGE.H.PET	0.5261876415	0.472604513
## LZLGE.H.PET	0.0119914547	0.102811733
## LZHGE.H.PET	-0.0049867763	-0.015912201
## GLNU_area.H.PET	-0.1897406944	0.285149154
## ZSNU.H.PET	-0.1545264827	0.210604410
## ZSP.H.PET	0.4530119470	0.366257807
## GLNU_norm.H.PET	0.5219135396	0.394643249
## ZSNU_norm.H.PET	0.4570369586	0.440964897
## GLVAR_area.H.PET	0.4499062869	0.521580132
## ZSVAR.H.PET	-0.0170098575	-0.018033188
## Entropy_area.H.PET	0.5124499520	0.649647894
## Max_cooc.W.PET	0.3058689677	0.482003950
## Average_cooc.W.PET	0.2573791555	0.329034731
## Variance_cooc.W.PET	0.0870267584	0.206950677
## Entropy_cooc.W.PET	0.5041357178	0.527461132
## DAVE_cooc.W.PET	0.3671372854	0.272018773
## DVAR_cooc.W.PET	0.1531615709	0.154205369
## DENT_cooc.W.PET	0.5351847268	0.492729836
## SAVE_cooc.W.PET	0.2568057164	0.327436033
## SVAR_cooc.W.PET	0.0436584721	0.230585059
## SENT_cooc.W.PET	0.5523905548	0.625794083
## ASM_cooc.W.PET	0.3166664736	0.634060234
## Contrast_cooc.W.PET	0.1924203156	0.125558722
## Dissimilarity_cooc.W.PET	0.3671372854	0.272018773
## Inv_diff_cooc.W.PET	0.5233879203	0.587213393
## Inv_diff_norm_cooc.W.PET	0.6036036520	0.689426820
## IDM_cooc.W.PET	0.4387250939	0.519039498
## IDM_norm_cooc.W.PET	0.6350071108	0.668658602
## Inv_var_cooc.W.PET	0.4835920949	0.569961074
## Correlation_cooc.W.PET	0.2097059085	0.656806533
## Autocorrelation_cooc.W.PET	0.0476323007	0.193761012
## Tendency_cooc.W.PET	0.0436584721	0.230585059

## Shade_cooc.W.PET	-0.0700694959	0.189504705
## Prominence_cooc.W.PET	-0.0874591735	0.159648798
## IC1_d.W.PET	0.0009014467	0.105497244
## IC2_d.W.PET	0.4660751071	0.693043896
## Coarseness_vdif.W.PET	0.5436213577	0.585433152
## Contrast_vdif.W.PET	0.5800093124	0.179567783
## Busyness_vdif.W.PET	0.2023788037	0.032926910
## Complexity_vdif.W.PET	-0.0974296416	0.262143982
## Strength_vdif.W.PET	0.1885504527	0.210567287
## SRE_align.W.PET	0.6735394481	0.632960575
## LRE_align.W.PET	0.5709028813	0.601731611
## GLNU_align.W.PET	-0.2350917526	0.332831803
## RLNU_align.W.PET	-0.1963154652	0.283919360
## RP_align.W.PET	0.6742213292	0.626243708
## LGRE_align.W.PET	0.4488850270	0.381614189
## HGRE_align.W.PET	0.0417602541	0.190913604
## LGSRE_align.W.PET	0.4823095619	0.409112740
## HGSRE_align.W.PET	0.0419380135	0.185329082
## LGHRE_align.W.PET	0.2992038032	0.261055348
## HGLRE_align.W.PET	0.0393655590	0.215193705
## GLNU_norm_align.W.PET	0.4609633810	0.465937636
## RLNU_norm_align.W.PET	0.6636628850	0.606385964
## GLVAR_align.W.PET	0.0639004994	0.215669513
## RLVAR_align.W.PET	0.2095045038	0.418418289
## Entropy_align.W.PET	0.5087553531	0.588786929
## SZSE.W.PET	0.6310127767	0.590647181
## LZSE.W.PET	0.1361200576	0.118552869
## LGLZE.W.PET	0.4612906351	0.408730892
## HGLZE.W.PET	0.0414996844	0.195545566
## SZLGE.W.PET	0.5058905574	0.482087227
## SZHGE.W.PET	0.0416763223	0.179601240
## LZLGE.W.PET	0.0479357551	-0.001853417
## LZHGE.W.PET	0.0410173962	0.305868179
## GLNU_area.W.PET	-0.2160239185	0.316642323
## ZSNU.W.PET	-0.1744576095	0.249447079
## ZSP.W.PET	0.5792888010	0.527128265
## GLNU_norm.W.PET	0.4930510044	0.480160325
## ZSNU_norm.W.PET	0.5731199031	0.531814412
## GLVAR_area.W.PET	0.0579145781	0.225388913
## ZSVAR.W.PET	0.0730688456	0.059747577
## Entropy_area.W.PET	0.5282867425	0.628210197
## Min_hist.ADC	0.4036520093	0.139567367
## Max_hist.ADC	0.4635438635	0.600860326
## Mean_hist.ADC	0.5738435660	0.522384313
## Variance_hist.ADC	0.1193581810	0.424137187
## Standard_Deviation_hist.ADC	0.3507030373	0.551043812
## Skewness_hist.ADC	0.1238521949	0.201878519
## Kurtosis_hist.ADC	0.1308412143	0.206978868
## Energy_hist.ADC	0.3548725604	0.805618832
## Entropy_hist.ADC	0.5480563972	0.627221361
## AUC_hist.ADC	0.6424589941	0.653503889
## Volume.ADC	-0.1399198386	0.190813108
## X3D_surface.ADC	0.0268985433	0.344888746
## ratio_3ds_vol.ADC	0.6415742690	0.435890238

## ratio_3ds_vol_norm.ADC	0.5440759251	0.600336342	
## irregularity.ADC	0.7189278165	0.598050636	
## Compactness_v1.ADC	0.5294710770	0.842271698	
##	Entropy_align.L.PET	SZSE.L.PET	LZSE.L.PET
## Failure	-0.003315599	0.0334466868	-0.10232845
## Entropy_cooc.W.ADC	0.029957366	0.0005635674	0.11604844
## GLNU_align.H.PET	-0.036042300	-0.0912367220	0.15719444
## Min_hist.PET	0.551993379	0.5284205778	0.33183637
## Max_hist.PET	0.554843636	0.5225688162	0.44533197
## Mean_hist.PET	0.564161398	0.5239243291	0.35613032
## Variance_hist.PET	0.293939823	0.2576391198	0.20833880
## Standard_Deviation_hist.PET	0.567375205	0.5259338305	0.39640290
## Skewness_hist.PET	0.418384430	0.5163581605	0.42131325
## Kurtosis_hist.PET	0.029629381	0.1218440607	0.25389544
## Energy_hist.PET	0.371336993	0.4662171224	0.24083737
## Entropy_hist.PET	0.873185048	0.8307817055	0.68218418
## AUC_hist.PET	0.973567565	0.9735518824	0.68968676
## H_suv.PET	0.590072995	0.5665889737	0.35135863
## Volume.PET	0.346662196	0.3042452643	0.28226829
## X3D_surface.PET	0.232276726	0.1969167443	0.24599605
## ratio_3ds_vol.PET	0.491164390	0.5897414663	0.31500687
## ratio_3ds_vol_norm.PET	0.532449562	0.5639216353	0.47628337
## irregularity.PET	0.933435275	0.9610245704	0.61791537
## tumor_length.PET	0.606199949	0.5597922286	0.55367185
## Compactness_v1.PET	0.503981930	0.5685175874	0.31955477
## Compactness_v2.PET	0.269383784	0.2363850461	0.10563338
## Spherical_disproportion.PET	0.532449562	0.5639216353	0.47628337
## Sphericity.PET	0.275798449	0.2296297411	0.11802574
## Asphericity.PET	0.509986146	0.5424068034	0.46234122
## Center_of_mass.PET	0.368377302	0.3371667843	0.37911288
## Max_3D_diam.PET	0.493682527	0.4264722018	0.40836671
## Major_axis_length.PET	0.534688381	0.4739780370	0.42969653
## Minor_axis_length.PET	0.673882927	0.6082241996	0.61005519
## Least_axis_length.PET	0.590902284	0.5054252985	0.54282473
## Elongation.PET	0.834187409	0.8258837908	0.65304299
## Flatness.PET	0.791373663	0.7517102754	0.64618688
## Max_cooc.L.PET	0.396191054	0.4814819275	0.29709318
## Average_cooc.L.PET	0.861924931	0.8210912715	0.44535875
## Variance_cooc.L.PET	0.661876816	0.6809865524	0.24878893
## Entropy_cooc.L.PET	0.997929349	0.9601950245	0.66202046
## DAVE_cooc.L.PET	0.762804720	0.7861933373	0.34125519
## DVAR_cooc.L.PET	0.639624531	0.6970775542	0.31425396
## DENT_cooc.L.PET	0.969821138	0.9645971866	0.60222275
## SAVE_cooc.L.PET	0.861833019	0.8208884908	0.44522793
## SVAR_cooc.L.PET	0.682183282	0.6808100192	0.28340511
## SENT_cooc.L.PET	0.970045034	0.9587638967	0.65353026
## ASM_cooc.L.PET	0.374611559	0.4543462415	0.27150054
## Contrast_cooc.L.PET	0.540475706	0.5895214771	0.16026507
## Dissimilarity_cooc.L.PET	0.762804720	0.7861933373	0.34125519
## Inv_diff_cooc.L.PET	0.801076966	0.7985113386	0.75143956
## Inv_diff_norm_cooc.L.PET	0.975700086	0.9649097338	0.71804043
## IDM_cooc.L.PET	0.697341586	0.7042531180	0.72567785
## IDM_norm_cooc.L.PET	0.982234161	0.9716889271	0.70685268
## Inv_var_cooc.L.PET	0.704491303	0.7235219954	0.67900297

## Correlation_cooc.L.PET	0.661908785	0.6051318090	0.60337753
## Autocorrelation_cooc.L.PET	0.673160689	0.6275250114	0.27127769
## Tendency_cooc.L.PET	0.682183282	0.6808100192	0.28340511
## Shade_cooc.L.PET	0.278594062	0.3367089173	0.13255073
## Prominence_cooc.L.PET	0.466697856	0.4966718690	0.13413769
## IC1_.L.PET	-0.332159264	-0.3702533265	-0.15012397
## IC2_.L.PET	0.874009621	0.8940906654	0.56870033
## Coarseness_vdif_.L.PET	0.409512391	0.5094531035	0.22224100
## Contrast_vdif_.L.PET	0.170729397	0.2660848124	0.01988443
## Busyness_vdif_.L.PET	0.314874893	0.2689296202	0.36629749
## Complexity_vdif_.L.PET	0.683012915	0.7413078399	0.34116155
## Strength_vdif_.L.PET	0.196389924	0.3348241400	0.04919359
## SRE_align.L.PET	0.985190250	0.9820934373	0.67352027
## LRE_align.L.PET	0.973058340	0.9487277630	0.76280343
## GLNU_align.L.PET	0.254111799	0.2056783755	0.37289795
## RLNU_align.L.PET	0.263069911	0.1867771299	0.31555165
## RP_align.L.PET	0.985352358	0.9815045710	0.67397361
## LGRE_align.L.PET	0.512167664	0.6186543183	0.46923333
## HGRE_align.L.PET	0.689763451	0.6504695167	0.27970012
## LGSRE_align.L.PET	0.518131713	0.6254296284	0.46501839
## HGSRE_align.L.PET	0.687060838	0.6516395686	0.26952832
## LGHRE_align.L.PET	0.485743993	0.5882466054	0.48442128
## HGLRE_align.L.PET	0.698708027	0.6426910392	0.32387091
## GLNU_norm_align.L.PET	0.581071685	0.6749965648	0.47976118
## RLNU_norm_align.L.PET	0.985116946	0.9802080088	0.67041092
## GLVAR_align.L.PET	0.705706722	0.7039012273	0.28157834
## RLVAR_align.L.PET	0.575737672	0.6004937330	0.60140605
## Entropy_align.L.PET	1.000000000	0.9632373534	0.67276162
## SZSE.L.PET	0.963237353	1.0000000000	0.52639964
## LZSE.L.PET	0.672761622	0.5263996396	1.00000000
## LGLZE.L.PET	0.524315236	0.6295275657	0.47915230
## HGLZE.L.PET	0.697449008	0.6604003172	0.28433007
## SZLGE.L.PET	0.537015956	0.6572761853	0.42122374
## SZHGE.L.PET	0.686755426	0.6834564569	0.18925617
## LZLGE.L.PET	0.389571780	0.4367826216	0.61009503
## LZHGE.L.PET	0.588781801	0.4243154722	0.62040912
## GLNU_area.L.PET	0.259552914	0.2181092482	0.33407018
## ZSNU.L.PET	0.268596273	0.2021142829	0.26477932
## ZSP.L.PET	0.971688853	0.9971647277	0.55632207
## GLNU_norm.L.PET	0.582627556	0.6754863558	0.47878110
## ZSNU_norm.L.PET	0.975444358	0.9784231154	0.62294815
## GLVAR_area.L.PET	0.715327715	0.7142581210	0.29115348
## ZSVAR.L.PET	0.399687622	0.3048615404	0.83440990
## Entropy_area.L.PET	0.998436318	0.9590716339	0.69281832
## Max_cooc.H.PET	0.240781388	0.3219458629	0.14846241
## Average_cooc.H.PET	0.948609052	0.9562199635	0.65514565
## Variance_cooc.H.PET	0.889907371	0.8300782593	0.62901715
## Entropy_cooc.H.PET	0.832226599	0.8191258406	0.58035712
## DAVE_cooc.H.PET	0.889016582	0.8732094510	0.56088563
## DVAR_cooc.H.PET	0.872331451	0.8499198028	0.54064949
## DENT_cooc.H.PET	0.780897140	0.7523180361	0.54411195
## SAVE_cooc.H.PET	0.965718439	0.9592539807	0.66948431
## SVAR_cooc.H.PET	0.869128619	0.8069486881	0.65383511
## SENT_cooc.H.PET	0.682996365	0.6736334580	0.52442443

## ASM_cooc.H.PET	0.232786581	0.3095371985	0.13899111
## Contrast_cooc.H.PET	0.803679281	0.7868269060	0.47170049
## Dissimilarity_cooc.H.PET	0.889016582	0.8732094510	0.56088563
## Inv_diff_cooc.H.PET	0.628019199	0.6557961476	0.48012091
## Inv_diff_norm_cooc.H.PET	0.976705992	0.9717596847	0.69670117
## IDM_cooc.H.PET	0.520994650	0.5543334925	0.40544225
## IDM_norm_cooc.H.PET	0.981376764	0.9750202975	0.69654289
## Inv_var_cooc_.H.PET	0.538762424	0.5924978837	0.41590652
## Correlation_cooc.H.PET	0.674391499	0.6097610290	0.62108588
## Autocorrelation_cooc.H.PET	0.883061968	0.9011134523	0.61068859
## Tendency_cooc.H.PET	0.856911997	0.7792021068	0.65775095
## Shade_cooc.H.PET	-0.471758750	-0.3830358476	-0.38254942
## Prominence_cooc.H.PET	0.661078342	0.5621708246	0.53616192
## IC1_d.H.PET	-0.141662020	-0.0606196147	-0.22892095
## IC2_d.H.PET	0.776779703	0.7300582160	0.67292640
## Coarseness_vdif.H.PET	0.367924221	0.4524511079	0.24787527
## Contrast_vdif.H.PET	0.277685631	0.3051384545	0.12377844
## Busyness_vdif.H.PET	0.147322461	0.1091109750	0.09540823
## Complexity_vdif.H.PET	0.636574290	0.6606635563	0.43031767
## Strength_vdif.H.PET	-0.022893283	0.0396539696	-0.03777642
## SRE_align.H.PET	0.963417995	0.9574025676	0.65796282
## LRE_align.H.PET	0.619352279	0.6018894960	0.51046581
## RLNU_align.H.PET	0.263435884	0.1917167291	0.29706410
## RP_align.H.PET	0.952503217	0.9468746012	0.64623695
## LGRE_align.H.PET	0.402481800	0.4715074435	0.28127944
## HGRE_align.H.PET	0.885341948	0.9069869427	0.61134627
## LGSRE_align.H.PET	0.399854048	0.4694146032	0.27863524
## HGSRE_align.H.PET	0.930110126	0.9560919524	0.62755422
## LGHRE_align.H.PET	0.416559324	0.4814132157	0.29968507
## HGLRE_align.H.PET	0.421477234	0.4163603670	0.33589740
## GLNU_norm_align.H.PET	0.447708963	0.5192014348	0.29217058
## RLNU_norm_align.H.PET	0.907170019	0.8990901116	0.60803767
## GLVAR_align.H.PET	0.863286912	0.7937761880	0.62128643
## RLVAR_align.H.PET	0.269952886	0.2519645789	0.27834137
## Entropy_align.H.PET	0.921347473	0.8704409035	0.67109272
## SZSE.H.PET	0.852536044	0.8765063161	0.47695561
## LZSE.H.PET	-0.051650903	-0.0625120390	-0.03192587
## LGLZE.H.PET	0.403967987	0.4718586854	0.28305053
## HGLZE.H.PET	0.833558745	0.8391139836	0.63214509
## SZLGE.H.PET	0.396480183	0.4671871032	0.27329901
## SZHGE.H.PET	0.786883683	0.8584098857	0.43191881
## LZLGE.H.PET	0.007564761	-0.0123642595	0.05780792
## LZHGE.H.PET	-0.044576728	-0.0503310494	-0.03803286
## GLNU_area.H.PET	0.289389699	0.2347356491	0.29998099
## ZSNU.H.PET	0.237554617	0.1816582626	0.20715211
## ZSP.H.PET	0.682005337	0.6923621515	0.36081193
## GLNU_norm.H.PET	0.476575269	0.5295571682	0.30654855
## ZSNU_norm.H.PET	0.727993247	0.7260639571	0.46011410
## GLVAR_area.H.PET	0.842559756	0.7723620200	0.60987115
## ZSVAR_H.PET	-0.048864751	-0.0581801708	-0.03466931
## Entropy_area.H.PET	0.957481626	0.9104817425	0.72085762
## Max_cooc.W.PET	0.271794687	0.3647717330	0.17062697
## Average_cooc.W.PET	0.574228272	0.5146554036	0.38613883
## Variance_cooc.W.PET	0.287758480	0.2597288876	0.19812660

## Entropy_cooc.W.PET	0.877331216	0.8355288004	0.61700923
## DAVE_cooc.W.PET	0.579475251	0.5551954547	0.34144895
## DVAR_cooc.W.PET	0.321497407	0.3010069929	0.18129506
## DENT_cooc.W.PET	0.851825906	0.8282368704	0.57748584
## SAVE_cooc.W.PET	0.573606106	0.5138634988	0.38569801
## SVAR_cooc.W.PET	0.259839568	0.2298047241	0.20318307
## SENT_cooc.W.PET	0.899816601	0.8715079408	0.65457934
## ASM_cooc.W.PET	0.312604008	0.4013863858	0.20245917
## Contrast_cooc.W.PET	0.334700233	0.3143281841	0.16686945
## Dissimilarity_cooc.W.PET	0.579475251	0.5551954547	0.34144895
## Inv_diff_cooc.W.PET	0.712972654	0.7320071627	0.53894188
## Inv_diff_norm_cooc.W.PET	0.975577523	0.9654899845	0.71717966
## IDM_cooc.W.PET	0.576333739	0.6017974795	0.44429847
## IDM_norm_cooc.W.PET	0.982091538	0.9719375528	0.70656906
## Inv_var_cooc.W.PET	0.649008203	0.6742352561	0.48206472
## Correlation_cooc.W.PET	0.661912736	0.6040456429	0.60518436
## Autocorrelation_cooc.W.PET	0.307498518	0.2529457454	0.20842307
## Tendency_cooc.W.PET	0.259839568	0.2298047241	0.20318307
## Shade_cooc.W.PET	0.037578703	0.0365509616	0.10140720
## Prominence_cooc.W.PET	0.017271644	0.0046362733	0.08290573
## IC1_d.W.PET	-0.158246905	-0.0857224096	-0.20923917
## IC2_d.W.PET	0.835338409	0.8076302347	0.67168233
## Coarseness_vdif.W.PET	0.373134188	0.4813645292	0.18981789
## Contrast_vdif.W.PET	0.498847997	0.5141684820	0.19852852
## Busyness_vdif.W.PET	0.254953859	0.2109771384	0.18440267
## Complexity_vdif.W.PET	0.178515598	0.1560024984	0.20532616
## Strength_vdif.W.PET	0.183140416	0.2623329145	0.14662822
## SRE_align.W.PET	0.980581950	0.9757121634	0.67440215
## LRE_align.W.PET	0.849281871	0.8276693511	0.66395020
## GLNU_align.W.PET	0.270587204	0.2055743763	0.37989231
## RLNU_align.W.PET	0.262220684	0.1897132114	0.30780918
## RP_align.W.PET	0.976929114	0.9714057040	0.67212087
## LGRE_align.W.PET	0.415836693	0.5028604232	0.28206925
## HGRE_align.W.PET	0.309945134	0.2554708976	0.21085841
## LGSRE_align.W.PET	0.450431677	0.5398064499	0.30305929
## HGSRE_align.W.PET	0.304810184	0.2525117155	0.20348950
## LGHRE_align.W.PET	0.266157215	0.3361249988	0.18763091
## HGLRE_align.W.PET	0.330567037	0.2650436032	0.24714166
## GLNU_norm_align.W.PET	0.441736284	0.5242565954	0.28599095
## RLNU_norm_align.W.PET	0.960780429	0.9526976600	0.66062787
## GLVAR_align.W.PET	0.293542355	0.2570302356	0.20997134
## RLVAR_align.W.PET	0.335280455	0.3315738958	0.31519558
## Entropy_align.W.PET	0.921989340	0.8742652867	0.66714156
## SZSE.W.PET	0.930303912	0.9631446492	0.52310293
## LZSE.W.PET	0.125638142	0.0809442122	0.22449328
## LGLZE.W.PET	0.448956529	0.5243420698	0.30830478
## HGLZE.W.PET	0.310677623	0.2587884569	0.21401087
## SZLGE.W.PET	0.520675432	0.6176216136	0.29772981
## SZHGE.W.PET	0.295008772	0.2557814863	0.17529125
## LZLGE.W.PET	-0.019202674	-0.0012842808	-0.01112340
## LZHGE.W.PET	0.363454344	0.1877642007	0.59185548
## GLNU_area.W.PET	0.285466052	0.2338777411	0.32329723
## ZSNU.W.PET	0.252551476	0.1941299788	0.24262188
## ZSP.W.PET	0.866913304	0.8851507714	0.50632856

## GLNU_norm.W.PET	0.469063727	0.5438892780	0.29848502
## ZSNU_norm.W.PET	0.860659343	0.8627961200	0.56350050
## GLVAR_area.W.PET	0.295493181	0.2596512927	0.21750373
## ZSVAR.W.PET	0.039342006	0.0122007953	0.10650856
## Entropy_area.W.PET	0.954828955	0.9055774524	0.70916499
## Min_hist.ADC	0.317311829	0.3533202123	0.13794102
## Max_hist.ADC	0.852198972	0.8524029978	0.64748004
## Mean_hist.ADC	0.825286850	0.8440021846	0.61018471
## Variance_hist.ADC	0.411689039	0.4365472740	0.33745408
## Standard_Deviation_hist.ADC	0.691801922	0.7059534541	0.52627636
## Skewness_hist.ADC	0.259158121	0.2323312240	0.14505567
## Kurtosis_hist.ADC	0.277776810	0.2464675173	0.25541181
## Energy_hist.ADC	0.394393068	0.4689415821	0.27094287
## Entropy_hist.ADC	0.940785281	0.9240178138	0.68048351
## AUC_hist.ADC	0.968065922	0.9567839194	0.67051350
## Volume.ADC	0.332672826	0.2953092976	0.26230031
## X3D_surface.ADC	0.432699871	0.4084843980	0.32856820
## ratio_3ds_vol.ADC	0.618699495	0.6539380047	0.40520450
## ratio_3ds_vol_norm.ADC	0.919091106	0.9175377122	0.65191470
## irregularity.ADC	0.947249910	0.9444931889	0.64621019
## Compactness_v1.ADC	0.644535563	0.6942235464	0.44915463
##	LGLZE.L.PET	HGLZE.L.PET	SZLGE.L.PET
## Failure	0.0074768250	0.108245924	0.0190012729
## Entropy_cooc.W.ADC	-0.0238784844	-0.073110124	-0.0298522517
## GLNU_align.H.PET	0.0202348833	-0.176448000	-0.0007235866
## Min_hist.PET	0.2707608914	0.322667961	0.2827229379
## Max_hist.PET	0.3070579573	0.171803422	0.3012395672
## Mean_hist.PET	0.2106199813	0.333537188	0.2210925677
## Variance_hist.PET	0.0758069670	0.103037666	0.0736422560
## Standard_Deviation_hist.PET	0.2487781384	0.277369074	0.2500346081
## Skewness_hist.PET	0.7869471832	-0.113015338	0.7563242852
## Kurtosis_hist.PET	0.5625847878	-0.366643338	0.5176147576
## Energy_hist.PET	0.6855431845	0.359254725	0.7209957793
## Entropy_hist.PET	0.4889405837	0.403239218	0.4848385859
## AUC_hist.PET	0.6751722757	0.610752426	0.6845360211
## H_suv.PET	0.2583123129	0.403106039	0.2743470419
## Volume.PET	0.0469096107	-0.056696128	0.0381274566
## X3D_surface.PET	0.1430908912	-0.065720031	0.1319580796
## ratio_3ds_vol.PET	0.6872148342	0.454050437	0.7084227751
## ratio_3ds_vol_norm.PET	0.6576141178	0.251036966	0.6584065574
## irregularity.PET	0.6724772919	0.651516278	0.6867641375
## tumor_length.PET	0.4052637780	0.161038174	0.3923527338
## Compactness_v1.PET	0.6516950841	0.342364618	0.6835318116
## Compactness_v2.PET	-0.0881908150	0.078013001	-0.0901922046
## Spherical_disproportion.PET	0.6576141178	0.251036966	0.6584065574
## Sphericity.PET	-0.1556248497	0.076816819	-0.1626728491
## Asphericity.PET	0.6492825941	0.234937334	0.6498355418
## Center_of_mass.PET	0.2798033803	0.015472228	0.2613984677
## Max_3D_diam.PET	0.0858688100	0.028955520	0.0671172446
## Major_axis_length.PET	0.1492153649	0.082363529	0.1370389346
## Minor_axis_length.PET	0.3472940520	0.146814705	0.3279613867
## Least_axis_length.PET	0.2144672367	0.120596714	0.1928202266
## Elongation.PET	0.6327185609	0.588984369	0.6383375802
## Flatness.PET	0.5324150319	0.570218649	0.5308524876

## Max_cooc.L.PET	0.7211640483	0.297338821	0.7482004586
## Average_cooc.L.PET	0.2617824132	0.958451679	0.2985922822
## Variance_cooc.L.PET	0.3382003830	0.848902267	0.3747339197
## Entropy_cooc.L.PET	0.5189145557	0.685363850	0.5315092089
## DAVE_cooc.L.PET	0.4131843207	0.840189189	0.4505268655
## DVAR_cooc.L.PET	0.5162483870	0.683545862	0.5423916924
## DENT_cooc.L.PET	0.5673733562	0.750024151	0.5870198908
## SAVE_cooc.L.PET	0.2610749744	0.958484193	0.2978608749
## SVAR_cooc.L.PET	0.3220884517	0.828064725	0.3523505350
## SENT_cooc.L.PET	0.6150767701	0.714253019	0.6311860555
## ASM_cooc.L.PET	0.6848720693	0.292478237	0.7151868607
## Contrast_cooc.L.PET	0.3180869005	0.767707036	0.3596560667
## Dissimilarity_cooc.L.PET	0.4131843207	0.840189189	0.4505268655
## Inv_diff_cooc.L.PET	0.7350899142	0.259176250	0.7208442096
## Inv_diff_norm_cooc.L.PET	0.6566974236	0.574521818	0.6612362117
## IDM_cooc.L.PET	0.7570489180	0.152686240	0.7385914113
## IDM_norm_cooc.L.PET	0.6473837650	0.603879768	0.6541442222
## Inv_var_cooc.L.PET	0.7475277695	0.155609591	0.7350465250
## Correlation_cooc.L.PET	0.4339350426	0.230277490	0.4177484285
## Autocorrelation_cooc.L.PET	0.0787642589	0.986469323	0.1208778554
## Tendency_cooc.L.PET	0.3220884517	0.828064725	0.3523505350
## Shade_cooc.L.PET	0.4118281160	0.026876024	0.4003016364
## Prominence_cooc.L.PET	0.3074523032	0.640006270	0.3299125076
## IC1_.L.PET	-0.1684154240	-0.532173350	-0.1776638350
## IC2_.L.PET	0.6339643534	0.719534358	0.6528552799
## Coarseness_vdif_.L.PET	0.6487171890	0.484283001	0.6878151521
## Contrast_vdif_.L.PET	0.2776495354	0.427091504	0.3100547832
## Busyness_vdif_.L.PET	0.1764593674	-0.143506018	0.1492432088
## Complexity_vdif_.L.PET	0.5375357492	0.695123281	0.5705576427
## Strength_vdif_.L.PET	0.5068952246	0.330188301	0.5254884390
## SRE_align.L.PET	0.6411202604	0.651359458	0.6530711660
## LRE_align.L.PET	0.6528836207	0.574356465	0.6519269287
## GLNU_align.L.PET	0.1510498665	-0.190204246	0.1208755756
## RLNU_align.L.PET	0.0052366443	-0.098792964	-0.0150633786
## RP_align.L.PET	0.6394792357	0.655930596	0.6514889423
## LGRE_align.L.PET	0.9979605226	0.089059660	0.9884407220
## HGRE_align.L.PET	0.0970942449	0.999129873	0.1412389677
## LGSRE_align.L.PET	0.9982057450	0.101811573	0.9905177519
## HGSRE_align.L.PET	0.1003773110	0.999249405	0.1454289503
## LGHRE_align.L.PET	0.9919478242	0.037294006	0.9752402593
## HGLRE_align.L.PET	0.0835631568	0.995109140	0.1234786643
## GLNU_norm_align.L.PET	0.8862493850	0.293985256	0.8989983717
## RLNU_norm_align.L.PET	0.6340171456	0.671208163	0.6467527392
## GLVAR_align.L.PET	0.2975301356	0.908436395	0.3362527350
## RLVAR_align.L.PET	0.7590761409	0.172136698	0.7564743886
## Entropy_align.L.PET	0.5243152357	0.697449008	0.5370159557
## SZSE.L.PET	0.6295275657	0.660400317	0.6572761853
## LZSE.L.PET	0.4791522996	0.284330074	0.4212237362
## LGLZE.L.PET	1.0000000000	0.107639395	0.9937997230
## HGLZE.L.PET	0.1076393949	1.0000000000	0.1516467199
## SZLGE.L.PET	0.9937997230	0.151646720	1.0000000000
## SZHGE.L.PET	0.1248906453	0.989515716	0.1786616123
## LZLGE.L.PET	0.9038843903	-0.095857797	0.8539173082
## LZHGE.L.PET	0.0272219072	0.810726074	0.0213880707

## GLNU_area.L.PET	0.1360792388	-0.176616036	0.1109564492
## ZSNU.L.PET	-0.0128325886	-0.078107664	-0.0269682980
## ZSP.L.PET	0.6231102269	0.682925209	0.6485538178
## GLNU_norm.L.PET	0.8827466805	0.296228497	0.8963220868
## ZSNU_norm.L.PET	0.6168779298	0.707608692	0.6359640560
## GLVAR_area.L.PET	0.3070863041	0.910506983	0.3463590703
## ZSVAR.L.PET	0.4948773753	-0.055009043	0.4325633068
## Entropy_area.L.PET	0.5340288244	0.668952873	0.5433252668
## Max_cooc.H.PET	0.4453660909	0.214731286	0.4507762587
## Average_cooc.H.PET	0.6547451556	0.634460792	0.6628568406
## Variance_cooc.H.PET	0.3651893111	0.625365363	0.3774252543
## Entropy_cooc.H.PET	0.5337492769	0.492079454	0.5352879343
## DAVE_cooc.H.PET	0.4579996589	0.676449605	0.4785307733
## DVAR_cooc.H.PET	0.3786744584	0.720789426	0.4020016235
## DENT_cooc.H.PET	0.4103145192	0.391085666	0.4167872702
## SAVE_cooc.H.PET	0.6237975702	0.627154960	0.6323164966
## SVAR_cooc.H.PET	0.3963084512	0.518870753	0.4058271259
## SENT_cooc.H.PET	0.5635090259	0.472881568	0.5763343326
## ASM_cooc.H.PET	0.4258363098	0.233792969	0.4339930656
## Contrast_cooc.H.PET	0.3480343757	0.680848605	0.3729568991
## Dissimilarity_cooc.H.PET	0.4579996589	0.676449605	0.4785307733
## Inv_diff_cooc.H.PET	0.5669215316	0.405636348	0.5684405215
## Inv_diff_norm_cooc.H.PET	0.6617555384	0.616070751	0.6692020673
## IDM_cooc.H.PET	0.5120372600	0.347374197	0.5131748090
## IDM_norm_cooc.H.PET	0.6557424990	0.622376331	0.6638526727
## Inv_var_cooc.H.PET	0.7275131937	0.262483578	0.7463612285
## Correlation_cooc.H.PET	0.4271096649	0.250274654	0.4129204978
## Autocorrelation_cooc.H.PET	0.6513315566	0.600102925	0.6576209172
## Tendency_cooc.H.PET	0.3417228096	0.539469278	0.3460074961
## Shade_cooc.H.PET	0.0090064625	-0.460031163	-0.0023213226
## Prominence_cooc.H.PET	0.1330320723	0.414559672	0.1350720112
## IC1_d.H.PET	0.1172104912	0.061144360	0.1518380935
## IC2_d.H.PET	0.5260611427	0.340168705	0.5145240216
## Coarseness_vdif.H.PET	0.6795422852	0.317536999	0.7113528923
## Contrast_vdif.H.PET	0.1029203308	0.534914061	0.1269533915
## Busyness_vdif.H.PET	-0.1220585568	-0.100167801	-0.1375783532
## Complexity_vdif.H.PET	0.5523728796	0.620411792	0.5799912834
## Strength_vdif.H.PET	0.1857466552	0.028185916	0.1737818595
## SRE_align.H.PET	0.6205562537	0.625752627	0.6327678262
## LRE_align.H.PET	0.4269253637	0.385322898	0.4208667254
## RLNU_align.H.PET	-0.0001390389	-0.079603890	-0.0171948677
## RP_align.H.PET	0.6088177993	0.628695182	0.6217653736
## LGRE_align.H.PET	0.6460302729	0.325949400	0.6786552281
## HGRE_align.H.PET	0.6453324775	0.596415900	0.6516522495
## LGSRE_align.H.PET	0.6458952238	0.324646973	0.6786133917
## HGSRE_align.H.PET	0.6796496674	0.614584199	0.6888554832
## LGHRE_align.H.PET	0.6471034975	0.331691975	0.6786804116
## HGLRE_align.H.PET	0.2989336217	0.295464220	0.2936032185
## GLNU_norm_align.H.PET	0.5399159531	0.362135792	0.5489599342
## RLNU_norm_align.H.PET	0.5681462575	0.603748679	0.5817223506
## GLVAR_align.H.PET	0.3177358661	0.597825179	0.3281191691
## RLVAR_align.H.PET	0.2271042034	0.130527694	0.2176343554
## Entropy_align.H.PET	0.4706598510	0.520044544	0.4737835374
## SZSE.H.PET	0.5547714885	0.507635573	0.5765221052

## LZSE.H.PET	-0.0813051125	-0.047042800	-0.0878986931
## LGLZE.H.PET	0.6404493663	0.329048211	0.6732372764
## HGLZE.H.PET	0.6484006479	0.417054947	0.6384231259
## SZLGE.H.PET	0.6424024651	0.322961139	0.6756349918
## SZHGE.H.PET	0.6644528404	0.407905294	0.6782469980
## LZLGE.H.PET	-0.0046336163	0.014477372	-0.0120856805
## LZHGE.H.PET	-0.0653502836	-0.012928262	-0.0718262099
## GLNU_area.H.PET	0.0620064728	-0.104440415	0.0430120863
## ZSNU.H.PET	-0.0406062823	-0.053325981	-0.0485326936
## ZSP.H.PET	0.3916779546	0.429327774	0.4117791646
## GLNU_norm.H.PET	0.4855561640	0.435454985	0.4991993576
## ZSNU_norm.H.PET	0.4620218412	0.426489303	0.4746742456
## GLVAR_area.H.PET	0.2954367275	0.560464868	0.3050432993
## ZSVAR.H.PET	-0.0762386161	-0.026645078	-0.0820503661
## Entropy_area.H.PET	0.5328555036	0.528944381	0.5339447815
## Max_cooc.W.PET	0.5480869031	0.249797186	0.5608161268
## Average_cooc.W.PET	0.1392956836	0.352344324	0.1467812366
## Variance_cooc.W.PET	0.1031859513	0.095865754	0.1002466793
## Entropy_cooc.W.PET	0.4521026085	0.508798088	0.4577290823
## DAVE_cooc.W.PET	0.2499473169	0.363142114	0.2592655197
## DVAR_cooc.W.PET	0.0947336082	0.160155227	0.0965889670
## DENT_cooc.W.PET	0.4848573431	0.509335203	0.4928255501
## SAVE_cooc.W.PET	0.1379659977	0.351814469	0.1453878292
## SVAR_cooc.W.PET	0.1068606876	0.052569625	0.1008705698
## SENT_cooc.W.PET	0.5634320974	0.532609462	0.5698946875
## ASM_cooc.W.PET	0.5937248602	0.290028140	0.6132340150
## Contrast_cooc.W.PET	0.0835131836	0.200294955	0.0887844225
## Dissimilarity_cooc.W.PET	0.2499473169	0.363142114	0.2592655197
## Inv_diff_cooc.W.PET	0.5848575888	0.487480716	0.5899004078
## Inv_diff_norm_cooc.W.PET	0.6578794354	0.577513134	0.6625665791
## IDM_cooc.W.PET	0.5135527703	0.408867928	0.5173676549
## IDM_norm_cooc.W.PET	0.6482078645	0.605215400	0.6550782679
## Inv_var_cooc.W.PET	0.5474943723	0.456962133	0.5559077218
## Correlation_cooc.W.PET	0.4338549466	0.224789119	0.4174539843
## Autocorrelation_cooc.W.PET	-0.0255529117	0.161045651	-0.0215208330
## Tendency_cooc.W.PET	0.1068606876	0.052569625	0.1008705698
## Shade_cooc.W.PET	0.1209337633	-0.126753489	0.1043219378
## Prominence_cooc.W.PET	0.0494367038	-0.097550996	0.0364542736
## IC1_d.W.PET	0.1205226529	0.015201231	0.1565345060
## IC2_d.W.PET	0.5850046533	0.437423324	0.5785682496
## Coarseness_vdif.W.PET	0.6036674684	0.513706114	0.6438573104
## Contrast_vdif.W.PET	0.3072110206	0.511706178	0.3331424913
## Busyness_vdif.W.PET	0.0512240542	0.111200596	0.0379962975
## Complexity_vdif.W.PET	0.0870691372	-0.056574873	0.0746402871
## Strength_vdif.W.PET	0.4902830702	0.025000920	0.4781098568
## SRE_align.W.PET	0.6378217034	0.634603783	0.6493189734
## LRE_align.W.PET	0.5646149115	0.542994596	0.5627767672
## GLNU_align.W.PET	0.1180050633	-0.164592776	0.0857183739
## RLNU_align.W.PET	0.0091442076	-0.093772503	-0.0097522489
## RP_align.W.PET	0.6331904386	0.635532015	0.6447966803
## LGRE_align.W.PET	0.6604102429	0.252139270	0.6635862754
## HGRE_align.W.PET	-0.0275834993	0.155002539	-0.0239240211
## LGSRE_align.W.PET	0.6962388892	0.277689057	0.7013803528
## HGSRE_align.W.PET	-0.0268396725	0.151640236	-0.0230159750

## LGHRE_align.W.PET	0.4829449477	0.140620534	0.4785224711
## HGLRE_align.W.PET	-0.0314315580	0.167624901	-0.0291626098
## GLNU_norm_align.W.PET	0.5929055045	0.361987321	0.6047134815
## RLNU_norm_align.W.PET	0.6170982733	0.624256383	0.6287296515
## GLVAR_align.W.PET	0.0749763012	0.100476032	0.0725180025
## RLVAR_align.W.PET	0.3224423371	0.199162638	0.3175687158
## Entropy_align.W.PET	0.4749368958	0.530069277	0.4790400039
## SZSE.W.PET	0.6151916972	0.593961743	0.6400074067
## LZSE.W.PET	0.0619881703	0.132234393	0.0400569485
## LGLZE.W.PET	0.6422411704	0.281868663	0.6484443619
## HGLZE.W.PET	-0.0141923684	0.146648927	-0.0117876283
## SZLGE.W.PET	0.7193847239	0.321037051	0.7365810424
## SZHGE.W.PET	-0.0082030553	0.135128706	-0.0036699994
## LZLGE.W.PET	0.0525658841	-0.012183725	0.0376730735
## LZHGE.W.PET	-0.0500208130	0.210290493	-0.0795351454
## GLNU_area.W.PET	0.0999691190	-0.137741567	0.0766793180
## ZSNU.W.PET	-0.0107169856	-0.073256133	-0.0222817157
## ZSP.W.PET	0.5522640935	0.548213065	0.5739673524
## GLNU_norm.W.PET	0.5711446692	0.411257094	0.5873700253
## ZSNU_norm.W.PET	0.5591554047	0.539885427	0.5732830186
## GLVAR_area.W.PET	0.0829899705	0.094013215	0.0798999793
## ZSVAR.W.PET	0.0054257294	0.073695296	-0.0105082816
## Entropy_area.W.PET	0.5143395942	0.540210528	0.5158369297
## Min_hist.ADC	0.1917069228	0.400639130	0.2061721702
## Max_hist.ADC	0.5969164990	0.437262760	0.5964609208
## Mean_hist.ADC	0.6088786278	0.513679890	0.6102494682
## Variance_hist.ADC	0.4159566588	0.100673522	0.4108953582
## Standard_Deviation_hist.ADC	0.5467157159	0.321554766	0.5454717052
## Skewness_hist.ADC	0.0650065056	0.179482706	0.0756846539
## Kurtosis_hist.ADC	0.1874333599	0.092146152	0.1821115767
## Energy_hist.ADC	0.6667919294	0.338430440	0.6986790659
## Entropy_hist.ADC	0.5937689152	0.528482377	0.5991294679
## AUC_hist.ADC	0.6120842293	0.627105062	0.6242116565
## Volume.ADC	0.0476684205	-0.054210015	0.0417405254
## X3D_surface.ADC	0.2241807580	0.062855078	0.2259810908
## ratio_3ds_vol.ADC	0.5106909321	0.583871872	0.5249438507
## ratio_3ds_vol_norm.ADC	0.6037315765	0.514587296	0.6101491761
## irregularity.ADC	0.6050108216	0.680082072	0.6181437037
## Compactness_v1.ADC	0.7274199178	0.503298150	0.7554394689
##	SZHGE.L.PET	LZLGE.L.PET	LZHGE.L.PET
## Failure	0.120950629	-0.033669686	0.030047639
## Entropy_cooc.W.ADC	-0.086265967	0.022306698	-0.002658899
## GLNU_align.H.PET	-0.204136234	0.105795816	-0.020918734
## Min_hist.PET	0.326208758	0.167525646	0.246403966
## Max_hist.PET	0.170227665	0.293445479	0.156004543
## Mean_hist.PET	0.332026094	0.128637265	0.276614161
## Variance_hist.PET	0.104379990	0.096418205	0.086017132
## Standard_Deviation_hist.PET	0.276316098	0.212293170	0.232713896
## Skewness_hist.PET	-0.086192691	0.810993449	-0.188419430
## Kurtosis_hist.PET	-0.351986335	0.705356202	-0.337348409
## Energy_hist.PET	0.372154821	0.470532149	0.235696149
## Entropy_hist.PET	0.388836334	0.440616440	0.376823354
## AUC_hist.PET	0.607766208	0.541348229	0.493339962
## H_suv.PET	0.406772304	0.153618077	0.311683731

## Volume.PET	-0.058429292	0.093932163	-0.040480141
## X3D_surface.PET	-0.073814832	0.176942756	-0.010607822
## ratio_3ds_vol.PET	0.473600878	0.513354532	0.283695551
## ratio_3ds_vol_norm.PET	0.249245210	0.580366910	0.220149853
## irregularity.PET	0.657925286	0.514342929	0.487360555
## tumor_length.PET	0.144926380	0.412335839	0.203763183
## Compactness_v1.PET	0.353503454	0.455323761	0.227079528
## Compactness_v2.PET	0.086137696	-0.074327772	0.023010332
## Spherical_disproportion.PET	0.249245210	0.580366910	0.220149853
## Sphericity.PET	0.081839723	-0.119370645	0.033430214
## Asphericity.PET	0.233285382	0.574716969	0.207196072
## Center_of_mass.PET	0.009295949	0.353091364	0.048889282
## Max_3D_diam.PET	0.020164001	0.146887575	0.062962083
## Major_axis_length.PET	0.073120613	0.178629358	0.109054137
## Minor_axis_length.PET	0.128670517	0.385833710	0.199204066
## Least_axis_length.PET	0.097484557	0.277771504	0.193976356
## Elongation.PET	0.574551165	0.524983975	0.522897683
## Flatness.PET	0.544873318	0.462950799	0.549299160
## Max_cooc.L.PET	0.305593035	0.539627589	0.206137202
## Average_cooc.L.PET	0.945913040	0.060885445	0.791117359
## Variance_cooc.L.PET	0.858262319	0.118803431	0.618214658
## Entropy_cooc.L.PET	0.675805281	0.383434065	0.573977134
## DAVE_cooc.L.PET	0.852326401	0.183763299	0.603609334
## DVAR_cooc.L.PET	0.705600119	0.337730835	0.445794184
## DENT_cooc.L.PET	0.749593946	0.393821140	0.587405662
## SAVE_cooc.L.PET	0.945931117	0.060335274	0.791189508
## SVAR_cooc.L.PET	0.829385542	0.127878594	0.631542047
## SENT_cooc.L.PET	0.706777634	0.453547198	0.589585939
## ASM_cooc.L.PET	0.300525008	0.493696710	0.203151798
## Contrast_cooc.L.PET	0.788573283	0.088263241	0.513819973
## Dissimilarity_cooc.L.PET	0.852326401	0.183763299	0.603609334
## Inv_diff_cooc.L.PET	0.244908159	0.708038332	0.273130655
## Inv_diff_norm_cooc.L.PET	0.567445325	0.544321480	0.482459221
## IDM_cooc.L.PET	0.136890626	0.751719364	0.198547150
## IDM_norm_cooc.L.PET	0.597511020	0.525480468	0.501655179
## Inv_var_cooc.L.PET	0.149428377	0.724417571	0.161861756
## Correlation_cooc.L.PET	0.203905164	0.441562697	0.290079808
## Autocorrelation_cooc.L.PET	0.970195330	-0.115387667	0.821269882
## Tendency_cooc.L.PET	0.829385542	0.127878594	0.631542047
## Shade_cooc.L.PET	0.056991139	0.369109526	-0.095043321
## Prominence_cooc.L.PET	0.650619959	0.144148012	0.448654763
## IC1_.L.PET	-0.541289796	-0.086711999	-0.377841424
## IC2_.L.PET	0.719887450	0.458657134	0.563576206
## Coarseness_vdif_.L.PET	0.498952119	0.418348814	0.320526303
## Contrast_vdif_.L.PET	0.451907619	0.105557413	0.240172093
## Busyness_vdif_.L.PET	-0.153277305	0.269514346	-0.065153458
## Complexity_vdif_.L.PET	0.713599623	0.312957871	0.472084209
## Strength_vdif_.L.PET	0.362274551	0.356779845	0.130439629
## SRE_align.L.PET	0.649134318	0.498014835	0.521071142
## LRE_align.L.PET	0.558688989	0.559525993	0.518073895
## GLNU_align.L.PET	-0.205140881	0.263037477	-0.076067343
## RLNU_align.L.PET	-0.119141820	0.087823202	0.014344887
## RP_align.L.PET	0.653216855	0.495613302	0.526480227
## LGRE_align.L.PET	0.107418915	0.915043255	0.008019716

## HGRE_align.L.PET	0.986568240	-0.105320136	0.817522962
## LGSRE_align.L.PET	0.120786993	0.907263140	0.015415540
## HGSRE_align.L.PET	0.988744619	-0.105520623	0.809262881
## LGHRE_align.L.PET	0.052979599	0.942037949	-0.021387330
## HGLRE_align.L.PET	0.973599229	-0.102722382	0.850942486
## GLNU_norm_align.L.PET	0.306064770	0.736974409	0.191983245
## RLNU_norm_align.L.PET	0.667830572	0.486234699	0.540651670
## GLVAR_align.L.PET	0.910166514	0.077747555	0.693590073
## RLVAR_align.L.PET	0.159083280	0.696167686	0.202457868
## Entropy_align.L.PET	0.686755426	0.389571780	0.588781801
## SZSE.L.PET	0.683456457	0.436782622	0.424315472
## LZSE.L.PET	0.189256174	0.610095029	0.620409121
## LGLZE.L.PET	0.124890645	0.903884390	0.027221907
## HGLZE.L.PET	0.989515716	-0.095857797	0.810726074
## SZLGE.L.PET	0.178661612	0.853917308	0.021388071
## SZHGE.L.PET	1.000000000	-0.110991720	0.718324859
## LZLGE.L.PET	-0.110991720	1.000000000	0.001028335
## LZHGE.L.PET	0.718324859	0.001028335	1.000000000
## GLNU_area.L.PET	-0.185492787	0.230939003	-0.091090433
## ZSNU.L.PET	-0.090462241	0.049580324	-0.003712481
## ZSP.L.PET	0.699210120	0.434117053	0.468434705
## GLNU_norm.L.PET	0.308069301	0.730314610	0.194501314
## ZSNU_norm.L.PET	0.709581010	0.445681000	0.546406807
## GLVAR_area.L.PET	0.913252454	0.084908256	0.692147225
## ZSVAR.L.PET	-0.129575299	0.688778488	0.284868904
## Entropy_area.L.PET	0.656580885	0.412795837	0.574519009
## Max_cooc.H.PET	0.225199893	0.374082134	0.118988760
## Average_cooc.H.PET	0.631955289	0.523759562	0.506568643
## Variance_cooc.H.PET	0.609189126	0.259530827	0.558702432
## Entropy_cooc.H.PET	0.492231138	0.449545224	0.393330794
## DAVE_cooc.H.PET	0.676607079	0.299474615	0.531174817
## DVAR_cooc.H.PET	0.717424408	0.221739703	0.575669796
## DENT_cooc.H.PET	0.388665566	0.316016645	0.317628469
## SAVE_cooc.H.PET	0.622121412	0.492294145	0.510857324
## SVAR_cooc.H.PET	0.498142777	0.300678843	0.492408498
## SENT_cooc.H.PET	0.463630789	0.432940004	0.419785505
## ASM_cooc.H.PET	0.242033989	0.355362392	0.142277152
## Contrast_cooc.H.PET	0.682462254	0.187863603	0.526396484
## Dissimilarity_cooc.H.PET	0.676607079	0.299474615	0.531174817
## Inv_diff_cooc.H.PET	0.399334895	0.489392904	0.337565072
## Inv_diff_norm_cooc.H.PET	0.610596609	0.535258120	0.507004045
## IDM_cooc.H.PET	0.341458222	0.445227151	0.288843527
## IDM_norm_cooc.H.PET	0.617170294	0.526519030	0.511159428
## Inv_var_cooc.H.PET	0.270513657	0.573858584	0.185390675
## Correlation_cooc.H.PET	0.220574049	0.429983048	0.321400995
## Autocorrelation_cooc.H.PET	0.597704780	0.530195535	0.477378358
## Tendency_cooc.H.PET	0.515127599	0.274981831	0.526198505
## Shade_cooc.H.PET	-0.424243428	0.047622640	-0.503497424
## Prominence_cooc.H.PET	0.384789119	0.109466879	0.452991113
## IC1_d.H.PET	0.088032028	-0.029568907	-0.057582683
## IC2_d.H.PET	0.317507740	0.495322597	0.364673973
## Coarseness_vdif.H.PET	0.327445970	0.481505329	0.214487902
## Contrast_vdif.H.PET	0.528414234	-0.002506500	0.428550895
## Busyness_vdif.H.PET	-0.097372505	-0.054782866	-0.092819287

## Complexity_vdif.H.PET	0.617019125	0.362808703	0.504103845
## Strength_vdif.H.PET	0.038775690	0.226679625	-0.021855578
## SRE_align.H.PET	0.625276528	0.478373831	0.497280456
## LRE_align.H.PET	0.366157098	0.387476067	0.371703175
## RLNU_align.H.PET	-0.097364333	0.071505914	0.019838201
## RP_align.H.PET	0.628736065	0.464772284	0.497816015
## LGRE_align.H.PET	0.332303695	0.449961135	0.236764895
## HGRE_align.H.PET	0.597203259	0.527300147	0.462143570
## LGSRE_align.H.PET	0.331189151	0.449473914	0.234967139
## HGSRE_align.H.PET	0.621507073	0.542832597	0.455591941
## LGHRE_align.H.PET	0.336211509	0.454834138	0.248669113
## HGLRE_align.H.PET	0.280356054	0.282441225	0.282742940
## GLNU_norm_align.H.PET	0.369539487	0.435182310	0.246610384
## RLNU_norm_align.H.PET	0.605148583	0.426120673	0.474300852
## GLVAR_align.H.PET	0.578444625	0.226706655	0.550635346
## RLVAR_align.H.PET	0.110710716	0.236288580	0.174139862
## Entropy_align.H.PET	0.508470199	0.387394194	0.460608699
## SZSE.H.PET	0.532925216	0.397116583	0.304304990
## LZSE.H.PET	-0.048113761	-0.034147468	-0.035800823
## LGLZE.H.PET	0.334962741	0.444487472	0.241295638
## HGLZE.H.PET	0.414245404	0.586362979	0.336962726
## SZLGE.H.PET	0.330137338	0.444817621	0.231284551
## SZHGE.H.PET	0.451354651	0.521845449	0.152868873
## LZLGE.H.PET	0.003645337	0.036402727	0.051307695
## LZHGE.H.PET	-0.014900346	-0.019601593	-0.008642033
## GLNU_area.H.PET	-0.113496485	0.134042178	-0.038511173
## ZSNU.H.PET	-0.060689977	0.003310765	-0.003102544
## ZSP.H.PET	0.451656398	0.254737050	0.254675909
## GLNU_norm.H.PET	0.435368384	0.365513138	0.331351596
## ZSNU_norm.H.PET	0.437914844	0.343515137	0.299104276
## GLVAR_area.H.PET	0.541680877	0.209949813	0.519123129
## ZSVAR.H.PET	-0.027955413	-0.032179935	-0.020893116
## Entropy_area.H.PET	0.514443799	0.448495287	0.477871918
## Max_cooc.W.PET	0.261546552	0.443963091	0.144576314
## Average_cooc.W.PET	0.344103876	0.089333890	0.319523352
## Variance_cooc.W.PET	0.100615573	0.121234583	0.065936586
## Entropy_cooc.W.PET	0.502780670	0.358632697	0.430735506
## DAVE_cooc.W.PET	0.370206518	0.168175102	0.262948045
## DVAR_cooc.W.PET	0.168730162	0.081079599	0.097638549
## DENT_cooc.W.PET	0.509867465	0.374931193	0.405015035
## SAVE_cooc.W.PET	0.343556793	0.088394091	0.319167844
## SVAR_cooc.W.PET	0.055339382	0.144231659	0.041655421
## SENT_cooc.W.PET	0.525450831	0.451972252	0.455007675
## ASM_cooc.W.PET	0.299526828	0.460818637	0.186968019
## Contrast_cooc.W.PET	0.209795563	0.049603640	0.123362694
## Dissimilarity_cooc.W.PET	0.370206518	0.168175102	0.262948045
## Inv_diff_cooc.W.PET	0.478216194	0.487479872	0.413968441
## Inv_diff_norm_cooc.W.PET	0.570510449	0.544838210	0.484404680
## IDM_cooc.W.PET	0.399839281	0.433908182	0.349127663
## IDM_norm_cooc.W.PET	0.598907629	0.525808184	0.502472474
## Inv_var_cooc.W.PET	0.449955979	0.444697600	0.379726093
## Correlation_cooc.W.PET	0.198235813	0.442041096	0.286717036
## Autocorrelation_cooc.W.PET	0.154528930	-0.024885688	0.163854544
## Tendency_cooc.W.PET	0.055339382	0.144231659	0.041655421

## Shade_cooc.W.PET	-0.118780015	0.237485515	-0.121911592
## Prominence_cooc.W.PET	-0.094742820	0.170759612	-0.078908829
## IC1_d.W.PET	0.036019458	-0.021926296	-0.068273786
## IC2_d.W.PET	0.422171793	0.519574366	0.409596143
## Coarseness_vdif.W.PET	0.530796782	0.375827323	0.334020166
## Contrast_vdif.W.PET	0.527963643	0.144565516	0.336236960
## Busyness_vdif.W.PET	0.096786854	0.077520460	0.135860724
## Complexity_vdif.W.PET	-0.056175076	0.171015804	-0.030184012
## Strength_vdif.W.PET	0.049411037	0.463412177	-0.071592259
## SRE_align.W.PET	0.633055712	0.496933003	0.507175850
## LRE_align.W.PET	0.523813875	0.487285262	0.499313576
## GLNU_align.W.PET	-0.185974242	0.233322601	-0.036476004
## RLNU_align.W.PET	-0.112408840	0.086769925	0.012169622
## RP_align.W.PET	0.633891617	0.491889405	0.508652694
## LGRE_align.W.PET	0.264500092	0.556443720	0.143354538
## HGRE_align.W.PET	0.149045853	-0.023978484	0.156847265
## LGSRE_align.W.PET	0.290935813	0.578093778	0.160554923
## HGSRE_align.W.PET	0.146799260	-0.023771648	0.149507587
## LGHRE_align.W.PET	0.148849043	0.438789406	0.070510183
## HGLRE_align.W.PET	0.155788832	-0.023123331	0.191325254
## GLNU_norm_align.W.PET	0.371719271	0.474211882	0.238696076
## RLNU_norm_align.W.PET	0.622914722	0.476619136	0.499913878
## GLVAR_align.W.PET	0.101750963	0.097219330	0.084449591
## RLVAR_align.W.PET	0.181263334	0.303837661	0.220362224
## Entropy_align.W.PET	0.519589084	0.386843779	0.464271810
## SZSE.W.PET	0.618080163	0.437342786	0.372765312
## LZSE.W.PET	0.096964543	0.131570224	0.235792314
## LGLZE.W.PET	0.289260042	0.528082373	0.184877642
## HGLZE.W.PET	0.141968284	-0.006936649	0.145124880
## SZLGE.W.PET	0.340593383	0.557642460	0.167111435
## SZHGE.W.PET	0.137423343	-0.007891981	0.106945858
## LZLGE.W.PET	-0.012148329	0.112677674	-0.016000660
## LZHGE.W.PET	0.126442289	0.057104919	0.517890800
## GLNU_area.W.PET	-0.148074428	0.185782788	-0.060027055
## ZSNU.W.PET	-0.082689286	0.043804799	-0.009883966
## ZSP.W.PET	0.567632530	0.390317691	0.358403321
## GLNU_norm.W.PET	0.418295499	0.436112245	0.286229639
## ZSNU_norm.W.PET	0.547520559	0.420451990	0.400379739
## GLVAR_area.W.PET	0.095261397	0.107190510	0.079896049
## ZSVAR.W.PET	0.051216857	0.065951899	0.138277517
## Entropy_area.W.PET	0.526327240	0.430315560	0.484988109
## Min_hist.ADC	0.406699197	0.096445983	0.284336080
## Max_hist.ADC	0.434333523	0.518705574	0.361228088
## Mean_hist.ADC	0.510959597	0.504562313	0.413294572
## Variance_hist.ADC	0.104917126	0.402514459	0.065242918
## Standard_Deviation_hist.ADC	0.322432526	0.490307777	0.252904314
## Skewness_hist.ADC	0.176030497	0.016315975	0.162500932
## Kurtosis_hist.ADC	0.082305640	0.159086792	0.122650245
## Energy_hist.ADC	0.344649266	0.467999044	0.244652314
## Entropy_hist.ADC	0.524351306	0.489709964	0.435444971
## AUC_hist.ADC	0.621879440	0.473399302	0.515308272
## Volume.ADC	-0.053304747	0.083959325	-0.048305706
## X3D_surface.ADC	0.063437135	0.204570565	0.055765683
## ratio_3ds_vol.ADC	0.580914809	0.369516112	0.464049831

## ratio_3ds_vol_norm.ADC	0.515090478	0.494924763	0.403657327
## irregularity.ADC	0.674602720	0.459778530	0.555171330
## Compactness_v1.ADC	0.504106915	0.525673204	0.396013415
##	GLNU_area.L.PET	ZSNU.L.PET	ZSP.L.PET
## Failure	-0.166937584	-0.191466546	0.028320476
## Entropy_cooc.W.ADC	0.153811197	0.139832476	-0.002522546
## GLNU_align.H.PET	0.292583357	0.275190981	-0.093462876
## Min_hist.PET	0.305802543	0.347356449	0.529815448
## Max_hist.PET	0.510454213	0.497157331	0.510952959
## Mean_hist.PET	0.354923793	0.403099379	0.522243616
## Variance_hist.PET	0.331080739	0.361847879	0.246683299
## Standard_Deviation_hist.PET	0.392906520	0.417811730	0.519536103
## Skewness_hist.PET	0.182967482	0.003771982	0.510257463
## Kurtosis_hist.PET	0.237047340	0.019934482	0.101439467
## Energy_hist.PET	-0.110579067	-0.167985014	0.467539034
## Entropy_hist.PET	0.503513706	0.487363984	0.829020552
## AUC_hist.PET	0.279677256	0.244321837	0.978600659
## H_suv.PET	0.216722800	0.253771298	0.566632050
## Volume.PET	0.696326672	0.688791569	0.287870258
## X3D_surface.PET	0.866462320	0.880647280	0.180378026
## ratio_3ds_vol.PET	-0.233373661	-0.304769458	0.599245477
## ratio_3ds_vol_norm.PET	0.220803556	0.130509953	0.553713520
## irregularity.PET	0.126424313	0.091433477	0.969904691
## tumor_length.PET	0.730916897	0.705402459	0.544395878
## Compactness_v1.PET	0.085395093	0.044518568	0.565180675
## Compactness_v2.PET	0.288079311	0.335863486	0.234044158
## Spherical_disproportion.PET	0.220803556	0.130509953	0.553713520
## Sphericity.PET	0.309681358	0.360487290	0.229863517
## Asphericity.PET	0.215994814	0.124850352	0.531801689
## Center_of_mass.PET	0.656702216	0.622943028	0.323629342
## Max_3D_diam.PET	0.814425949	0.829245907	0.411100751
## Major_axis_length.PET	0.821435467	0.846236552	0.458780650
## Minor_axis_length.PET	0.792137008	0.759742296	0.591364264
## Least_axis_length.PET	0.842378026	0.838247397	0.489527820
## Elongation.PET	0.089593086	0.030525889	0.833439718
## Flatness.PET	0.187766223	0.149375710	0.757988062
## Max_cooc.L.PET	-0.038412467	-0.113524297	0.478614455
## Average_cooc.L.PET	-0.040808512	0.040033047	0.840744226
## Variance_cooc.L.PET	-0.291714543	-0.232844391	0.706711834
## Entropy_cooc.L.PET	0.248429412	0.261617591	0.969387238
## DAVE_cooc.L.PET	-0.196584013	-0.148629769	0.810435409
## DVAR_cooc.L.PET	-0.127847420	-0.159592681	0.715283911
## DENT_cooc.L.PET	0.109384017	0.119979699	0.979005706
## SAVE_cooc.L.PET	-0.040766073	0.040180045	0.840552619
## SVAR_cooc.L.PET	-0.238883846	-0.179157424	0.704174451
## SENT_cooc.L.PET	0.165061436	0.158325605	0.969373518
## ASM_cooc.L.PET	-0.037072114	-0.102228858	0.451352700
## Contrast_cooc.L.PET	-0.336361434	-0.286752581	0.615536323
## Dissimilarity_cooc.L.PET	-0.196584013	-0.148629769	0.810435409
## Inv_diff_cooc.L.PET	0.495861396	0.387998750	0.787920360
## Inv_diff_norm_cooc.L.PET	0.324103032	0.285578901	0.967913035
## IDM_cooc.L.PET	0.502738149	0.371353974	0.690195834
## IDM_norm_cooc.L.PET	0.296955884	0.265248424	0.976243635
## Inv_var_cooc.L.PET	0.507629739	0.380416602	0.705209627

## Correlation_cooc.L.PET	0.476145336	0.427709084	0.594874392
## Autocorrelation_cooc.L.PET	-0.185281579	-0.085910395	0.648587571
## Tendency_cooc.L.PET	-0.238883846	-0.179157424	0.704174451
## Shade_cooc.L.PET	-0.127891730	-0.164225631	0.346243574
## Prominence_cooc.L.PET	-0.350857160	-0.318459031	0.517096590
## IC1_.L.PET	0.241144545	0.247168539	-0.390001097
## IC2_.L.PET	0.012336819	-0.011789678	0.908032517
## Coarseness_vdif_.L.PET	-0.213805561	-0.264389093	0.516029640
## Contrast_vdif_.L.PET	-0.254175363	-0.247654917	0.282846569
## Busyness_vdif_.L.PET	0.951133495	0.907628743	0.252563387
## Complexity_vdif_.L.PET	-0.192103535	-0.177992873	0.763108684
## Strength_vdif_.L.PET	-0.358347955	-0.402909627	0.350492222
## SRE_align.L.PET	0.243384623	0.220510618	0.988424254
## LRE_align.L.PET	0.329114391	0.287625725	0.955174713
## GLNU_align.L.PET	0.997743675	0.939334845	0.184625848
## RLNU_align.L.PET	0.965287088	0.996509189	0.172513534
## RP_align.L.PET	0.237088861	0.215481857	0.988480286
## LGRE_align.L.PET	0.135165784	-0.012940615	0.611677660
## HGRE_align.L.PET	-0.176378151	-0.076717594	0.672459851
## LGSRE_align.L.PET	0.127385747	-0.017684559	0.618682888
## HGSRE_align.L.PET	-0.183204390	-0.084393296	0.673317975
## LGHRE_align.L.PET	0.166234463	0.006540928	0.580274634
## HGLRE_align.L.PET	-0.147593995	-0.044788723	0.666159429
## GLNU_norm_align.L.PET	0.113803002	-0.006997153	0.669516210
## RLNU_norm_align.L.PET	0.215514828	0.198021878	0.988880252
## GLVAR_align.L.PET	-0.255956641	-0.183774037	0.728523288
## RLVAR_align.L.PET	0.375308420	0.255967005	0.586597310
## Entropy_align.L.PET	0.259552914	0.268596273	0.971688853
## SZSE.L.PET	0.218109248	0.202114283	0.997164728
## LZSE.L.PET	0.334070178	0.264779322	0.556322066
## LGLZE.L.PET	0.136079239	-0.012832589	0.623110227
## HGLZE.L.PET	-0.176616036	-0.078107664	0.682925209
## SZLGE.L.PET	0.110956449	-0.026968298	0.648553818
## SZHGE.L.PET	-0.185492787	-0.090462241	0.699210120
## LZLGE.L.PET	0.230939003	0.049580324	0.434117053
## LZHGE.L.PET	-0.091090433	-0.003712481	0.468434705
## GLNU_area.L.PET	1.000000000	0.954295851	0.195382175
## ZSNU.L.PET	0.954295851	1.000000000	0.186056614
## ZSP.L.PET	0.195382175	0.186056614	1.000000000
## GLNU_norm.L.PET	0.114298637	-0.004241269	0.670180216
## ZSNU_norm.L.PET	0.160374784	0.157769060	0.990673212
## GLVAR_area.L.PET	-0.253258762	-0.183053913	0.739102519
## ZSVAR.L.PET	0.460365195	0.312724713	0.301128897
## Entropy_area.L.PET	0.291262997	0.291792635	0.965536027
## Max_cooc.H.PET	-0.189334274	-0.250025244	0.328220038
## Average_cooc.H.PET	0.170814034	0.135363616	0.964971454
## Variance_cooc.H.PET	0.374854835	0.398487151	0.833870796
## Entropy_cooc.H.PET	0.273132650	0.257788928	0.820171546
## DAVE_cooc.H.PET	0.184922608	0.196884950	0.883472383
## DVAR_cooc.H.PET	0.158277654	0.181402169	0.862031729
## DENT_cooc.H.PET	0.370185640	0.381736879	0.757341015
## SAVE_cooc.H.PET	0.209968681	0.183359538	0.967477957
## SVAR_cooc.H.PET	0.427027189	0.441077290	0.809095942
## SENT_cooc.H.PET	0.152717570	0.132048079	0.675622385

## ASM_cooc.H.PET	-0.169230679	-0.223209509	0.314271660
## Contrast_cooc.H.PET	0.119944663	0.149213121	0.798932289
## Dissimilarity_cooc.H.PET	0.184922608	0.196884950	0.883472383
## Inv_diff_cooc.H.PET	0.060242450	-0.002980073	0.660920337
## Inv_diff_norm_cooc.H.PET	0.265382631	0.232691514	0.977265407
## IDM_cooc.H.PET	0.004926502	-0.060127343	0.559631292
## IDM_norm_cooc.H.PET	0.267863223	0.237660527	0.980724408
## Inv_var_cooc_.H.PET	0.171104373	0.111182192	0.585847842
## Correlation_cooc.H.PET	0.496932078	0.461457326	0.599671760
## Autocorrelation_cooc.H.PET	0.112265827	0.069370081	0.910214085
## Tendency_cooc.H.PET	0.479064052	0.497549014	0.778165711
## Shade_cooc.H.PET	-0.197574906	-0.253065353	-0.384948475
## Prominence_cooc.H.PET	0.524905259	0.569965266	0.557089453
## IC1_d.H.PET	-0.304623216	-0.290027148	-0.052993455
## IC2_d.H.PET	0.472099000	0.431578957	0.723022198
## Coarseness_vdif.H.PET	-0.079367862	-0.136515254	0.451384271
## Contrast_vdif.H.PET	-0.185569564	-0.196093962	0.317627762
## Busyness_vdif.H.PET	0.464132750	0.481703891	0.104220053
## Complexity_vdif.H.PET	-0.111891124	-0.136873201	0.672641649
## Strength_vdif.H.PET	-0.137280690	-0.147610718	0.043420476
## SRE_align.H.PET	0.272140216	0.255909330	0.962872070
## LRE_align.H.PET	0.095716783	0.052768228	0.611532678
## RLNU_align.H.PET	0.948924061	0.982475480	0.177618594
## RP_align.H.PET	0.264565110	0.251261308	0.952933138
## LGRE_align.H.PET	-0.016208893	-0.067167067	0.468674180
## HGRE_align.H.PET	0.137627821	0.093186530	0.916033460
## LGSRE_align.H.PET	-0.018846190	-0.069866210	0.466589138
## HGSRE_align.H.PET	0.172504522	0.131893404	0.964860656
## LGHRE_align.H.PET	-0.002190746	-0.053116919	0.478813653
## HGLRE_align.H.PET	-0.002020523	-0.031218746	0.424275772
## GLNU_norm_align.H.PET	-0.148752910	-0.216842773	0.528333681
## RLNU_norm_align.H.PET	0.257738480	0.253767617	0.905415709
## GLVAR_align.H.PET	0.393357783	0.423114044	0.796021371
## RLVAR_align.H.PET	0.008712695	-0.027109025	0.256750828
## Entropy_align.H.PET	0.436342188	0.439760042	0.869684327
## SZSE.H.PET	0.304545829	0.302012829	0.871396445
## LZSE.H.PET	-0.057649794	-0.058797197	-0.060954270
## LGLZE.H.PET	-0.015918244	-0.066095133	0.468957552
## HGLZE.H.PET	0.208285020	0.157336798	0.847388207
## SZLGE.H.PET	-0.022015983	-0.073019823	0.464058635
## SZHGE.H.PET	0.211569634	0.171263354	0.857446609
## LZLGE.H.PET	-0.052821899	-0.063057641	-0.009222939
## LZHGE.H.PET	-0.081212430	-0.079940766	-0.048016072
## GLNU_area.H.PET	0.967857362	0.974917191	0.217816343
## ZSNU.H.PET	0.883755017	0.933042938	0.167086702
## ZSP.H.PET	0.263100189	0.283161182	0.693047857
## GLNU_norm.H.PET	-0.148974385	-0.207472165	0.539311604
## ZSNU_norm.H.PET	0.270983746	0.284482155	0.729561191
## GLVAR_area.H.PET	0.386680602	0.413645080	0.773986468
## ZSVAR_H.PET	-0.068184884	-0.069982793	-0.056798452
## Entropy_area.H.PET	0.420474950	0.405899143	0.910378680
## Max_cooc.W.PET	-0.177403027	-0.236381643	0.369973830
## Average_cooc.W.PET	0.387407558	0.439405111	0.509166712
## Variance_cooc.W.PET	0.302028585	0.326948957	0.250206102

## Entropy_cooc.W.PET	0.395293533	0.403818613	0.836346683
## DAVE_cooc.W.PET	0.249196254	0.284626307	0.556014677
## DVAR_cooc.W.PET	0.208612585	0.242868892	0.296317686
## DENT_cooc.W.PET	0.322953367	0.329298889	0.831357316
## SAVE_cooc.W.PET	0.387591279	0.439718789	0.508378681
## SVAR_cooc.W.PET	0.338481806	0.356140510	0.217877584
## SENT_cooc.W.PET	0.355008591	0.343740501	0.872749061
## ASM_cooc.W.PET	-0.135742336	-0.196185490	0.403348280
## Contrast_cooc.W.PET	0.179667942	0.221448972	0.311954420
## Dissimilarity_cooc.W.PET	0.249196254	0.284626307	0.556014677
## Inv_diff_cooc.W.PET	0.076795194	0.017375300	0.739085889
## Inv_diff_norm_cooc.W.PET	0.320088317	0.281549324	0.968631441
## IDM_cooc.W.PET	0.013827556	-0.048261288	0.608502941
## IDM_norm_cooc.W.PET	0.295557068	0.263866073	0.976547338
## Inv_var_cooc.W.PET	0.055215497	-0.008005488	0.678842367
## Correlation_cooc.W.PET	0.481901246	0.433613447	0.593684663
## Autocorrelation_cooc.W.PET	0.355046360	0.412225442	0.242056292
## Tendency_cooc.W.PET	0.338481806	0.356140510	0.217877584
## Shade_cooc.W.PET	0.197716756	0.161112879	0.022202949
## Prominence_cooc.W.PET	0.177749094	0.161000735	-0.010780317
## IC1_d.W.PET	-0.230212593	-0.223703531	-0.082368809
## IC2_d.W.PET	0.366676299	0.326824236	0.805409600
## Coarseness_vdif.W.PET	-0.236045638	-0.282460316	0.490094972
## Contrast_vdif.W.PET	-0.088618503	-0.043372817	0.525305877
## Busyness_vdif.W.PET	0.217796523	0.230951773	0.214888256
## Complexity_vdif.W.PET	0.390127718	0.368808397	0.136657014
## Strength_vdif.W.PET	-0.093338273	-0.166128915	0.261090619
## SRE_align.W.PET	0.269741886	0.247880508	0.981051555
## LRE_align.W.PET	0.181040258	0.143262720	0.838140151
## GLNU_align.W.PET	0.907125983	0.881565856	0.190568694
## RLNU_align.W.PET	0.963397636	0.991678743	0.175041080
## RP_align.W.PET	0.269299057	0.249013390	0.977106842
## LGRE_align.W.PET	-0.160694149	-0.243504764	0.510496533
## HGRE_align.W.PET	0.361564031	0.417059586	0.244343995
## LGSRE_align.W.PET	-0.156454770	-0.241060677	0.547481261
## HGSRE_align.W.PET	0.355377292	0.410180299	0.241379506
## LGHRE_align.W.PET	-0.164939278	-0.232756562	0.343024817
## HGLRE_align.W.PET	0.386831216	0.445267015	0.254400470
## GLNU_norm_align.W.PET	-0.157865144	-0.228027987	0.532612847
## RLNU_norm_align.W.PET	0.272049215	0.256921407	0.958768188
## GLVAR_align.W.PET	0.333405221	0.363402671	0.245910311
## RLVAR_align.W.PET	-0.008430285	-0.052596095	0.337015111
## Entropy_align.W.PET	0.425181505	0.428050894	0.874208278
## SZSE.W.PET	0.286939062	0.273689967	0.958447396
## LZSE.W.PET	-0.105666852	-0.119609377	0.096971580
## LGLZE.W.PET	-0.153904540	-0.234951408	0.532582493
## HGLZE.W.PET	0.362130774	0.413628617	0.247611978
## SZLGE.W.PET	-0.129417495	-0.211497553	0.620742866
## SZHGE.W.PET	0.346255113	0.395242371	0.243096472
## LZLGE.W.PET	-0.121266985	-0.136636889	0.001924119
## LZHGE.W.PET	0.340484358	0.396370781	0.202152075
## GLNU_area.W.PET	0.949723968	0.937222325	0.215212147
## ZSNU.W.PET	0.936065978	0.974373782	0.178001630
## ZSP.W.PET	0.300068627	0.297660448	0.884416538

## GLNU_norm.W.PET	-0.156860186	-0.223833145	0.552861734
## ZSNU_norm.W.PET	0.285782907	0.286849282	0.868122760
## GLVAR_area.W.PET	0.333192578	0.359092860	0.248275604
## ZSVAR.W.PET	-0.119147927	-0.128140574	0.022817642
## Entropy_area.W.PET	0.418003028	0.409394586	0.905426418
## Min_hist.ADC	-0.107954023	-0.112637676	0.360908291
## Max_hist.ADC	0.339071585	0.292944863	0.851787762
## Mean_hist.ADC	0.192393030	0.145972513	0.851963738
## Variance_hist.ADC	0.297636625	0.255724716	0.430459557
## Standard_Deviation_hist.ADC	0.317667181	0.279348612	0.704053807
## Skewness_hist.ADC	0.161928057	0.159031590	0.224994949
## Kurtosis_hist.ADC	0.146470348	0.114747904	0.245372898
## Energy_hist.ADC	-0.061769178	-0.117293512	0.467925238
## Entropy_hist.ADC	0.340615850	0.312734498	0.925643081
## AUC_hist.ADC	0.298326344	0.278039397	0.960524337
## Volume.ADC	0.677876714	0.670727261	0.279682260
## X3D_surface.ADC	0.481077339	0.484897034	0.396493585
## ratio_3ds_vol.ADC	-0.046971155	-0.072390543	0.666698274
## ratio_3ds_vol_norm.ADC	0.381986253	0.349317811	0.919178701
## irregularity.ADC	0.181084357	0.160909187	0.953150445
## Compactness_v1.ADC	-0.001550011	-0.048805125	0.697189288
##	GLNU_norm.L.PET	ZSNU_norm.L.PET	GLVAR_area.L.PET
## Failure	0.035206203	0.018857344	0.118074478
## Entropy_cooc.W.ADC	0.003835835	-0.002753382	-0.133217721
## GLNU_align.H.PET	0.029358154	-0.087338553	-0.216869112
## Min_hist.PET	0.228310274	0.526114642	0.337233078
## Max_hist.PET	0.287663070	0.494972726	0.152384543
## Mean_hist.PET	0.210836049	0.516506736	0.303225601
## Variance_hist.PET	0.083152064	0.233470818	0.078114567
## Standard_Deviation_hist.PET	0.256355202	0.510715255	0.267692593
## Skewness_hist.PET	0.621003989	0.495778290	0.123804218
## Kurtosis_hist.PET	0.422364064	0.078989973	-0.287451153
## Energy_hist.PET	0.900944037	0.473104246	0.401526879
## Entropy_hist.PET	0.517085851	0.819187181	0.402430914
## AUC_hist.PET	0.719505597	0.978325114	0.663003267
## H_suv.PET	0.319052607	0.567046277	0.402168625
## Volume.PET	0.019349187	0.250882141	-0.147237349
## X3D_surface.PET	0.165594026	0.154776384	-0.124832136
## ratio_3ds_vol.PET	0.733720410	0.613112308	0.602397551
## ratio_3ds_vol_norm.PET	0.724769609	0.545752946	0.327068434
## irregularity.PET	0.697901814	0.973177534	0.739548424
## tumor_length.PET	0.459924739	0.524247780	0.118754790
## Compactness_v1.PET	0.870688357	0.559582060	0.337176499
## Compactness_v2.PET	-0.134691026	0.218096747	0.014481128
## Spherical_disproportion.PET	0.724769609	0.545752946	0.327068434
## Sphericity.PET	-0.240953676	0.216103655	0.023970225
## Asphericity.PET	0.716802897	0.523645059	0.310758779
## Center_of_mass.PET	0.281486546	0.306364365	0.038448025
## Max_3D_diam.PET	0.048977896	0.379335357	-0.058594786
## Major_axis_length.PET	0.154984104	0.428138590	-0.003277594
## Minor_axis_length.PET	0.353674278	0.566048709	0.094698912
## Least_axis_length.PET	0.206501764	0.464040334	0.044858321
## Elongation.PET	0.672529915	0.846400972	0.650315155
## Flatness.PET	0.552045403	0.769053928	0.604811036

## Max_cooc.L.PET	0.930951073	0.479749929	0.327508839
## Average_cooc.L.PET	0.414644476	0.860199790	0.909222791
## Variance_cooc.L.PET	0.374679350	0.732169490	0.987070410
## Entropy_cooc.L.PET	0.568422420	0.973481728	0.712769345
## DAVE_cooc.L.PET	0.460633916	0.834753394	0.949358540
## DVAR_cooc.L.PET	0.528523377	0.736966491	0.814817733
## DENT_cooc.L.PET	0.606975984	0.989714974	0.820335081
## SAVE_cooc.L.PET	0.413714032	0.860014686	0.909211778
## SVAR_cooc.L.PET	0.356097972	0.724867668	0.958612958
## SENT_cooc.L.PET	0.676528119	0.977148930	0.770597282
## ASM_cooc.L.PET	0.909713126	0.452028075	0.315165170
## Contrast_cooc.L.PET	0.353508123	0.645135694	0.899384267
## Dissimilarity_cooc.L.PET	0.460633916	0.834753394	0.949358540
## Inv_diff_cooc.L.PET	0.776039568	0.774955311	0.265461247
## Inv_diff_norm_cooc.L.PET	0.692536733	0.965830634	0.611508440
## IDM_cooc.L.PET	0.808091477	0.676081599	0.154982982
## IDM_norm_cooc.L.PET	0.685107612	0.975766061	0.644554138
## Inv_var_cooc.L.PET	0.803578525	0.681912688	0.158345404
## Correlation_cooc.L.PET	0.461719156	0.576602366	0.219244411
## Autocorrelation_cooc.L.PET	0.267985269	0.670990745	0.892914217
## Tendency_cooc.L.PET	0.356097972	0.724867668	0.958612958
## Shade_cooc.L.PET	0.260338276	0.345602969	0.339540494
## Prominence_cooc.L.PET	0.284156405	0.532684940	0.841269526
## IC1_.L.PET	-0.096174264	-0.409659653	-0.647024801
## IC2_.L.PET	0.685586436	0.920272589	0.818727262
## Coarseness_vdif_.L.PET	0.858050691	0.525867990	0.523883853
## Contrast_vdif_.L.PET	0.276915449	0.304447484	0.546434574
## Busyness_vdif_.L.PET	0.129410016	0.224734335	-0.184279862
## Complexity_vdif_.L.PET	0.551307555	0.787714302	0.853423743
## Strength_vdif_.L.PET	0.428993726	0.368787051	0.511310393
## SRE_align.L.PET	0.682304171	0.989302846	0.702145888
## LRE_align.L.PET	0.682997446	0.960952110	0.612462698
## GLNU_align.L.PET	0.126394568	0.154653625	-0.265328774
## RLNU_align.L.PET	0.010754540	0.149911399	-0.201524481
## RP_align.L.PET	0.681163471	0.990354981	0.707440577
## LGRE_align.L.PET	0.871793223	0.604737691	0.294140890
## HGRE_align.L.PET	0.288617697	0.696503090	0.903790910
## LGSRE_align.L.PET	0.877215258	0.611749748	0.306630788
## HGSRE_align.L.PET	0.290390397	0.696495210	0.907573730
## LGHRE_align.L.PET	0.847036006	0.573331186	0.241247425
## HGLRE_align.L.PET	0.280320176	0.694305922	0.885268807
## GLNU_norm_align.L.PET	0.999802315	0.664366294	0.374145982
## RLNU_norm_align.L.PET	0.677598320	0.993244862	0.725292006
## GLVAR_align.L.PET	0.363273895	0.753388448	0.998968683
## RLVAR_align.L.PET	0.901609123	0.575992627	0.161617050
## Entropy_align.L.PET	0.582627556	0.975444358	0.715327715
## SZSE.L.PET	0.675486356	0.978423115	0.714258121
## LZSE.L.PET	0.478781097	0.622948145	0.291153483
## LGLZE.L.PET	0.882746681	0.616877930	0.307086304
## HGLZE.L.PET	0.296228497	0.707608692	0.910506983
## SZLGE.L.PET	0.896322087	0.635964056	0.346359070
## SZHGE.L.PET	0.308069301	0.709581010	0.913252454
## LZLGE.L.PET	0.730314610	0.445681000	0.084908256
## LZHGE.L.PET	0.194501314	0.546406807	0.692147225

## GLNU_area.L.PET	0.114298637	0.160374784	-0.253258762
## ZSNU.L.PET	-0.004241269	0.157769060	-0.183053913
## ZSP.L.PET	0.670180216	0.990673212	0.739102519
## GLNU_norm.L.PET	1.000000000	0.665149517	0.374483757
## ZSNU_norm.L.PET	0.665149517	1.000000000	0.764564776
## GLVAR_area.L.PET	0.374483757	0.764564776	1.000000000
## ZSVAR.L.PET	0.505356469	0.325983818	-0.081585429
## Entropy_area.L.PET	0.588183123	0.967059085	0.685382582
## Max_cooc.H.PET	0.483332384	0.328559038	0.295165736
## Average_cooc.H.PET	0.672189980	0.967948333	0.711145204
## Variance_cooc.H.PET	0.464069201	0.838170083	0.554755412
## Entropy_cooc.H.PET	0.495864940	0.816721514	0.566727920
## DAVE_cooc.H.PET	0.521591757	0.893040133	0.687389273
## DVAR_cooc.H.PET	0.504751877	0.873722985	0.672276176
## DENT_cooc.H.PET	0.412430157	0.757479332	0.421630175
## SAVE_cooc.H.PET	0.646678761	0.969675866	0.691007130
## SVAR_cooc.H.PET	0.485734762	0.809079758	0.452692004
## SENT_cooc.H.PET	0.651824254	0.685191483	0.510081557
## ASM_cooc.H.PET	0.524274817	0.315450134	0.273773288
## Contrast_cooc.H.PET	0.446419222	0.811900295	0.657298289
## Dissimilarity_cooc.H.PET	0.521591757	0.893040133	0.687389273
## Inv_diff_cooc.H.PET	0.625077837	0.659432280	0.454238630
## Inv_diff_norm_cooc.H.PET	0.697405782	0.977565139	0.668936297
## IDM_cooc.H.PET	0.573433815	0.558639794	0.392230343
## IDM_norm_cooc.H.PET	0.689877572	0.981454879	0.675086258
## Inv_var_cooc.H.PET	0.887203445	0.580294587	0.308833759
## Correlation_cooc.H.PET	0.454292207	0.584701357	0.224109131
## Autocorrelation_cooc.H.PET	0.662954022	0.913124558	0.688504985
## Tendency_cooc.H.PET	0.431999010	0.777397977	0.449745196
## Shade_cooc.H.PET	-0.164712506	-0.396690426	-0.231244138
## Prominence_cooc.H.PET	0.250109606	0.555085642	0.252588169
## IC1_d.H.PET	0.228207238	-0.036217752	0.078346914
## IC2_d.H.PET	0.545039580	0.709736790	0.348963268
## Coarseness_vdif.H.PET	0.899726248	0.454412569	0.348310585
## Contrast_vdif.H.PET	0.270741710	0.329498988	0.460310110
## Busyness_vdif.H.PET	-0.237376452	0.084334850	-0.128698534
## Complexity_vdif.H.PET	0.695231211	0.693949411	0.652943497
## Strength_vdif.H.PET	0.147500456	0.050411773	0.083467969
## SRE_align.H.PET	0.650771837	0.964867795	0.675399966
## LRE_align.H.PET	0.475160372	0.617876139	0.417458977
## RLNU_align.H.PET	0.013775124	0.155586697	-0.181654447
## RP_align.H.PET	0.640376215	0.956241062	0.677765045
## LGRE_align.H.PET	0.895029078	0.469418335	0.326907745
## HGRE_align.H.PET	0.665320637	0.918447665	0.671776032
## LGSRE_align.H.PET	0.894499390	0.467338120	0.326404192
## HGSRE_align.H.PET	0.679602817	0.967750036	0.705431866
## LGHRE_align.H.PET	0.898145366	0.480055198	0.328401677
## HGLRE_align.H.PET	0.349991883	0.428169515	0.313537082
## GLNU_norm_align.H.PET	0.578154307	0.531284034	0.465952799
## RLNU_norm_align.H.PET	0.595170203	0.910666729	0.651321860
## GLVAR_align.H.PET	0.428588361	0.799435239	0.501713323
## RLVAR_align.H.PET	0.274923657	0.258105049	0.144278917
## Entropy_align.H.PET	0.510561452	0.864530023	0.506552669
## SZSE.H.PET	0.564237058	0.856963199	0.555786323

## LZSE.H.PET	-0.066487969	-0.061159689	-0.018016138
## LGLZE.H.PET	0.892860881	0.469746657	0.326574091
## HGLZE.H.PET	0.617782021	0.849669723	0.544512211
## SZLGE.H.PET	0.892691593	0.464266616	0.324652834
## SZHGE.H.PET	0.589924407	0.844312267	0.544725252
## LZLGE.H.PET	0.051717474	-0.005374275	0.015003978
## LZHGE.H.PET	-0.035104152	-0.047452372	-0.004112695
## GLNU_area.H.PET	0.042418446	0.188385326	-0.188613461
## ZSNU.H.PET	-0.014505531	0.141631293	-0.153252434
## ZSP.H.PET	0.398625600	0.690435490	0.467999883
## GLNU_norm.H.PET	0.557050482	0.542867726	0.519288485
## ZSNU_norm.H.PET	0.460801882	0.734761836	0.472969235
## GLVAR_area.H.PET	0.413588938	0.776360886	0.463013704
## ZSVAR.H.PET	-0.050370391	-0.057855443	-0.014978465
## Entropy_area.H.PET	0.572645164	0.904682546	0.524791369
## Max_cooc.W.PET	0.650744732	0.373963579	0.309338628
## Average_cooc.W.PET	0.202183810	0.501664420	0.269290261
## Variance_cooc.W.PET	0.097278363	0.238369249	0.098078048
## Entropy_cooc.W.PET	0.474144637	0.833996838	0.517030766
## DAVE_cooc.W.PET	0.257286621	0.554738327	0.380578981
## DVAR_cooc.W.PET	0.100634979	0.289025895	0.165379562
## DENT_cooc.W.PET	0.489348825	0.832047891	0.548971033
## SAVE_cooc.W.PET	0.200390590	0.500872170	0.268703609
## SVAR_cooc.W.PET	0.095265371	0.203889089	0.053960204
## SENT_cooc.W.PET	0.593791439	0.872315798	0.565713949
## ASM_cooc.W.PET	0.769803676	0.405864550	0.321426265
## Contrast_cooc.W.PET	0.092732449	0.306806873	0.204437481
## Dissimilarity_cooc.W.PET	0.257286621	0.554738327	0.380578981
## Inv_diff_cooc.W.PET	0.653146919	0.741062825	0.527545480
## Inv_diff_norm_cooc.W.PET	0.694280293	0.966705996	0.614964769
## IDM_cooc.W.PET	0.588506426	0.609984057	0.441043491
## IDM_norm_cooc.W.PET	0.686031792	0.976165640	0.646139139
## Inv_var_cooc.W.PET	0.631895623	0.676373842	0.486314848
## Correlation_cooc.W.PET	0.459851413	0.575539595	0.212949932
## Autocorrelation_cooc.W.PET	0.034807677	0.228351841	0.057506370
## Tendency_cooc.W.PET	0.095265371	0.203889089	0.053960204
## Shade_cooc.W.PET	0.076463403	0.008885142	-0.063064518
## Prominence_cooc.W.PET	0.026433232	-0.024418558	-0.081182341
## IC1_d.W.PET	0.267758083	-0.071009109	0.004302891
## IC2_d.W.PET	0.610339186	0.797799156	0.475023506
## Coarseness_vdif.W.PET	0.801354719	0.502301495	0.550429391
## Contrast_vdif.W.PET	0.311724078	0.538764169	0.591582905
## Busyness_vdif.W.PET	0.005451786	0.204427586	0.190956792
## Complexity_vdif.W.PET	0.093492508	0.115728718	-0.087849579
## Strength_vdif.W.PET	0.334162120	0.262494870	0.196746616
## SRE_align.W.PET	0.672252093	0.981677710	0.685077067
## LRE_align.W.PET	0.616074343	0.846202142	0.578693205
## GLNU_align.W.PET	0.075109666	0.166047105	-0.233562001
## RLNU_align.W.PET	0.018215886	0.152157086	-0.194981203
## RP_align.W.PET	0.667187425	0.978652440	0.685878337
## LGRE_align.W.PET	0.588044518	0.511900746	0.447879155
## HGRE_align.W.PET	0.031366125	0.230285462	0.051955172
## LGSRE_align.W.PET	0.622627104	0.549021075	0.481544388
## HGSRE_align.W.PET	0.030006451	0.227090511	0.052189606

## LGHRE_align.W.PET	0.422065054	0.343872383	0.297634780
## HGLRE_align.W.PET	0.036277124	0.242300116	0.049326219
## GLNU_norm_align.W.PET	0.654247083	0.536499076	0.462774045
## RLNU_norm_align.W.PET	0.646484430	0.961961450	0.675898028
## GLVAR_align.W.PET	0.082281251	0.232546837	0.074693893
## RLVAR_align.W.PET	0.406980688	0.340383629	0.211413611
## Entropy_align.W.PET	0.512943393	0.870149581	0.521568484
## SZSE.W.PET	0.642268337	0.940614483	0.643892392
## LZSE.W.PET	0.117181587	0.120433152	0.135182251
## LGLZE.W.PET	0.599131318	0.534896792	0.459979444
## HGLZE.W.PET	0.038492965	0.233375896	0.052144234
## SZLGE.W.PET	0.686241904	0.613908977	0.505984802
## SZHGE.W.PET	0.037225396	0.224981765	0.052456510
## LZLGE.W.PET	0.045942685	0.001967407	0.045637505
## LZHGE.W.PET	0.053966937	0.243724576	0.048072861
## GLNU_area.W.PET	0.066329652	0.182817471	-0.214749550
## ZSNU.W.PET	0.005814462	0.150638274	-0.173312775
## ZSP.W.PET	0.567736008	0.876414365	0.593207447
## GLNU_norm.W.PET	0.659442350	0.557068743	0.494435957
## ZSNU_norm.W.PET	0.571861399	0.872707779	0.588074438
## GLVAR_area.W.PET	0.090620213	0.234700594	0.069311153
## ZSVAR.W.PET	0.058975242	0.036779188	0.072287679
## Entropy_area.W.PET	0.552464705	0.900230792	0.540231291
## Min_hist.ADC	0.267566625	0.362946253	0.403914046
## Max_hist.ADC	0.610031582	0.845968380	0.473404486
## Mean_hist.ADC	0.617564254	0.853866244	0.581562129
## Variance_hist.ADC	0.417929784	0.419590956	0.122760054
## Standard_Deviation_hist.ADC	0.559949694	0.697488520	0.357745525
## Skewness_hist.ADC	0.120827308	0.215574629	0.127526567
## Kurtosis_hist.ADC	0.163254612	0.242168620	0.137923222
## Energy_hist.ADC	0.896871310	0.470613608	0.362174224
## Entropy_hist.ADC	0.616043532	0.921441253	0.559353992
## AUC_hist.ADC	0.668630495	0.958832976	0.652742756
## Volume.ADC	0.011429812	0.243982777	-0.133954896
## X3D_surface.ADC	0.223734436	0.374710847	0.032020863
## ratio_3ds_vol.ADC	0.583115439	0.679159571	0.646292637
## ratio_3ds_vol_norm.ADC	0.612881151	0.911652799	0.555760590
## irregularity.ADC	0.661270446	0.958176469	0.729047947
## Compactness_v1.ADC	0.927111511	0.703635983	0.538188816
##	ZSVAR.L.PET	Entropy_area.L.PET	Max_cooc.H.PET
## Failure	-0.090981643	-0.009071619	0.098993827
## Entropy_cooc.W.ADC	0.164278904	0.038447552	-0.035404418
## GLNU_align.H.PET	0.253661029	-0.020500358	-0.029283319
## Min_hist.PET	0.177237816	0.553767051	-0.338194301
## Max_hist.PET	0.428597715	0.572191916	-0.365163797
## Mean_hist.PET	0.232478999	0.568831499	-0.382715595
## Variance_hist.PET	0.242350483	0.304668682	-0.425796010
## Standard_Deviation_hist.PET	0.332054825	0.576903172	-0.390858475
## Skewness_hist.PET	0.405056673	0.433720887	0.408466303
## Kurtosis_hist.PET	0.471294720	0.057994519	0.222390518
## Energy_hist.PET	0.267498140	0.363447507	0.452482577
## Entropy_hist.PET	0.525660934	0.886879442	0.118434438
## AUC_hist.PET	0.465456678	0.975380771	0.334001927
## H_suv.PET	0.232784937	0.589915735	-0.347583139

## Volume.PET	0.284470262	0.369468959	-0.166346182
## X3D_surface.PET	0.341594954	0.253520003	-0.116646144
## ratio_3ds_vol.PET	0.195438813	0.477993589	0.537190229
## ratio_3ds_vol_norm.PET	0.539333762	0.545256606	0.323492710
## irregularity.PET	0.354338705	0.927987024	0.417145301
## tumor_length.PET	0.598771201	0.631012897	0.034187839
## Compactness_v1.PET	0.329794024	0.502352481	0.343986632
## Compactness_v2.PET	-0.021208213	0.271601528	-0.159386818
## Spherical_disproportion.PET	0.539333762	0.545256606	0.323492710
## Sphericity.PET	-0.050469903	0.278054360	-0.192599389
## Asphericity.PET	0.534672678	0.522997173	0.319702674
## Center_of_mass.PET	0.454401815	0.387346761	-0.009108191
## Max_3D_diam.PET	0.374917027	0.518241391	-0.180198067
## Major_axis_length.PET	0.404576820	0.558368525	-0.143216504
## Minor_axis_length.PET	0.616916124	0.702958796	-0.063096222
## Least_axis_length.PET	0.544745241	0.619230288	-0.155738537
## Elongation.PET	0.475851386	0.834339347	0.295128821
## Flatness.PET	0.482326309	0.795033365	0.188043232
## Max_cooc.L.PET	0.361998845	0.394724765	0.453241182
## Average_cooc.L.PET	0.096417848	0.840526431	0.224387468
## Variance_cooc.L.PET	-0.126157991	0.630719237	0.330897728
## Entropy_cooc.L.PET	0.378814286	0.995849520	0.227261041
## DAVE_cooc.L.PET	-0.037545824	0.734869963	0.268954258
## DVAR_cooc.L.PET	0.036334442	0.617318207	0.238622871
## DENT_cooc.L.PET	0.278285907	0.959561363	0.298332468
## SAVE_cooc.L.PET	0.096058632	0.840428966	0.223992101
## SVAR_cooc.L.PET	-0.076623673	0.655299965	0.373250362
## SENT_cooc.L.PET	0.385693582	0.965273487	0.339077218
## ASM_cooc.L.PET	0.342441924	0.372748251	0.407797486
## Contrast_cooc.L.PET	-0.187956743	0.506722110	0.218997753
## Dissimilarity_cooc.L.PET	-0.037545824	0.734869963	0.268954258
## Inv_diff_cooc.L.PET	0.747388585	0.824234672	0.295405376
## Inv_diff_norm_cooc.L.PET	0.511593319	0.980992240	0.305678316
## IDM_cooc.L.PET	0.796934148	0.724558080	0.298515722
## IDM_norm_cooc.L.PET	0.482855144	0.985427495	0.307926018
## Inv_var_cooc.L.PET	0.760713380	0.731393033	0.300693886
## Correlation_cooc.L.PET	0.584883429	0.683472345	0.292642156
## Autocorrelation_cooc.L.PET	-0.052876790	0.645865975	0.213056412
## Tendency_cooc.L.PET	-0.076623673	0.655299965	0.373250362
## Shade_cooc.L.PET	-0.041640990	0.273320432	0.375295906
## Prominence_cooc.L.PET	-0.168382374	0.441036157	0.425559710
## IC1_.L.PET	0.122543201	-0.309074834	-0.375400243
## IC2_.L.PET	0.296308897	0.862006134	0.454851539
## Coarseness_vdif_.L.PET	0.177692879	0.394095302	0.538945043
## Contrast_vdif_.L.PET	-0.156673970	0.145925698	0.225467079
## Busyness_vdif_.L.PET	0.428698916	0.343857701	-0.173489249
## Complexity_vdif_.L.PET	0.020517766	0.658502392	0.278792317
## Strength_vdif_.L.PET	-0.126573724	0.171399608	0.543545887
## SRE_align.L.PET	0.426247151	0.984482874	0.315957786
## LRE_align.L.PET	0.547927680	0.979080837	0.292029096
## GLNU_align.L.PET	0.505131971	0.287397239	-0.185654829
## RLNU_align.L.PET	0.372532472	0.288589769	-0.246553207
## RP_align.L.PET	0.422388899	0.984237427	0.317046413
## LGRE_align.L.PET	0.489295876	0.522265928	0.448048729

## HGRE_align.L.PET	-0.054057688	0.661474596	0.213242602
## LGSRE_align.L.PET	0.480867094	0.527506487	0.448847880
## HGSRE_align.L.PET	-0.064183434	0.658358802	0.216549830
## LGHRE_align.L.PET	0.522875328	0.498747403	0.441873907
## HGLRE_align.L.PET	-0.009691284	0.672256972	0.198383057
## GLNU_norm_align.L.PET	0.507872342	0.586907445	0.486512992
## RLNU_norm_align.L.PET	0.406563422	0.982615151	0.320278187
## GLVAR_align.L.PET	-0.089796294	0.675564403	0.294125535
## RLVAR_align.L.PET	0.730736516	0.597296648	0.315687470
## Entropy_align.L.PET	0.399687622	0.998436318	0.240781388
## SZSE.L.PET	0.304861540	0.959071634	0.321945863
## LZSE.L.PET	0.834409902	0.692818318	0.148462408
## LGLZE.L.PET	0.494877375	0.534028824	0.445366091
## HGLZE.L.PET	-0.055009043	0.668952873	0.214731286
## SZLGE.L.PET	0.432563307	0.543325267	0.450776259
## SZHGE.L.PET	-0.129575299	0.656580885	0.225199893
## LZLGE.L.PET	0.688778488	0.412795837	0.374082134
## LZHGE.L.PET	0.284868904	0.574519009	0.118988760
## GLNU_area.L.PET	0.460365195	0.291262997	-0.189334274
## ZSNU.L.PET	0.312724713	0.291792635	-0.250025244
## ZSP.L.PET	0.301128897	0.965536027	0.328220038
## GLNU_norm.L.PET	0.505356469	0.588183123	0.483332384
## ZSNU_norm.L.PET	0.325983818	0.967059085	0.328559038
## GLVAR_area.L.PET	-0.081585429	0.685382582	0.295165736
## ZSVAR.L.PET	1.000000000	0.440041149	0.066619211
## Entropy_area.L.PET	0.440041149	1.000000000	0.232411652
## Max_cooc.H.PET	0.066619211	0.232411652	1.000000000
## Average_cooc.H.PET	0.392211317	0.946111766	0.481391707
## Variance_cooc.H.PET	0.432925599	0.893174135	-0.151181216
## Entropy_cooc.H.PET	0.390511522	0.836500947	0.003906712
## DAVE_cooc.H.PET	0.294216234	0.882748673	-0.051380017
## DVAR_cooc.H.PET	0.268341031	0.864266897	0.023946473
## DENT_cooc.H.PET	0.326474675	0.783994072	-0.031229843
## SAVE_cooc.H.PET	0.405641352	0.964609254	0.368743054
## SVAR_cooc.H.PET	0.479588569	0.876809250	-0.024320980
## SENT_cooc.H.PET	0.448406384	0.685902152	-0.039408297
## ASM_cooc.H.PET	0.091133213	0.224626046	0.967428974
## Contrast_cooc.H.PET	0.206259134	0.793719482	-0.111999669
## Dissimilarity_cooc.H.PET	0.294216234	0.882748673	-0.051380017
## Inv_diff_cooc.H.PET	0.339561148	0.628096700	0.857906427
## Inv_diff_norm_cooc.H.PET	0.465848701	0.978406092	0.376044828
## IDM_cooc.H.PET	0.286800244	0.520121510	0.899035677
## IDM_norm_cooc.H.PET	0.461702359	0.982830623	0.339942200
## Inv_var_cooc_.H.PET	0.465826240	0.545146899	0.202842840
## Correlation_cooc.H.PET	0.605326418	0.695514130	0.210394088
## Autocorrelation_cooc.H.PET	0.358611862	0.879435267	0.617884019
## Tendency_cooc.H.PET	0.516632138	0.867031983	-0.158898169
## Shade_cooc.H.PET	-0.314602005	-0.473893574	0.313290040
## Prominence_cooc.H.PET	0.472515558	0.674088159	-0.374341200
## IC1_d.H.PET	-0.221820792	-0.158826548	-0.167257847
## IC2_d.H.PET	0.604879834	0.794659125	0.202293683
## Coarseness_vdif.H.PET	0.299614521	0.363038257	0.426017309
## Contrast_vdif.H.PET	-0.019958945	0.261272580	0.595111965
## Busyness_vdif.H.PET	0.011910405	0.157467871	-0.168001102

## Complexity_vdif.H.PET	0.285413017	0.626054505	0.187783460
## Strength_vdif.H.PET	-0.064197877	-0.030547124	0.516098301
## SRE_align.H.PET	0.423174485	0.963442010	0.129402070
## LRE_align.H.PET	0.338040394	0.620666174	0.762731091
## RLNU_align.H.PET	0.351396111	0.287298745	-0.286394785
## RP_align.H.PET	0.409473130	0.951725789	0.098102342
## LGRE_align.H.PET	0.342911320	0.400486238	0.355202026
## HGRE_align.H.PET	0.358250747	0.882061362	0.627845220
## LGSRE_align.H.PET	0.340620849	0.397773159	0.355475053
## HGSRE_align.H.PET	0.362113004	0.926580827	0.436108075
## LGHRE_align.H.PET	0.358830546	0.415131289	0.360727508
## HGLRE_align.H.PET	0.205050762	0.419783066	0.836582583
## GLNU_norm_align.H.PET	0.144192777	0.438592883	0.934767228
## RLNU_norm_align.H.PET	0.378862511	0.905770260	-0.019695346
## GLVAR_align.H.PET	0.445502345	0.868329016	-0.195150248
## RLVAR_align.H.PET	0.219652293	0.273676820	0.748489499
## Entropy_align.H.PET	0.494681441	0.930412396	-0.031816321
## SZSE.H.PET	0.307068687	0.852035885	-0.062493552
## LZSE.H.PET	-0.036469966	-0.053145561	0.357799809
## LGLZE.H.PET	0.345050216	0.402083843	0.351121931
## HGLZE.H.PET	0.403592874	0.837178809	0.514778126
## SZLGE.H.PET	0.337085187	0.394387246	0.355366483
## SZHGE.H.PET	0.226939614	0.783179737	0.185718634
## LZLGE.H.PET	0.060910106	0.008398081	0.430020736
## LZHGE.H.PET	-0.047985712	-0.047761392	0.478950296
## GLNU_area.H.PET	0.352993933	0.314743563	-0.232455593
## ZSNU.H.PET	0.248971871	0.256318272	-0.313705409
## ZSP.H.PET	0.188898863	0.677762851	-0.304319998
## GLNU_norm.H.PET	0.150614721	0.466818936	0.871203787
## ZSNU_norm.H.PET	0.283008111	0.726241518	-0.222815867
## GLVAR_area.H.PET	0.444187093	0.848535809	-0.218353244
## ZSVAR.H.PET	-0.037829880	-0.050593492	0.413020832
## Entropy_area.H.PET	0.538374240	0.968067823	0.101202280
## Max_cooc.W.PET	0.128051549	0.262569198	0.933914454
## Average_cooc.W.PET	0.307281085	0.582157734	-0.404100456
## Variance_cooc.W.PET	0.221663374	0.297155116	-0.413295602
## Entropy_cooc.W.PET	0.430865058	0.883582138	-0.151482875
## DAVE_cooc.W.PET	0.200292691	0.580017848	-0.384764080
## DVAR_cooc.W.PET	0.144134385	0.325692015	-0.424109186
## DENT_cooc.W.PET	0.374781720	0.854494687	-0.148657734
## SAVE_cooc.W.PET	0.306682875	0.581542804	-0.405002953
## SVAR_cooc.W.PET	0.260152155	0.272008042	-0.389913906
## SENT_cooc.W.PET	0.482580614	0.905984469	-0.037110916
## ASM_cooc.W.PET	0.208270010	0.305616729	0.823271302
## Contrast_cooc.W.PET	0.100680992	0.336003418	-0.438104825
## Dissimilarity_cooc.W.PET	0.200292691	0.580017848	-0.384764080
## Inv_diff_cooc.W.PET	0.367376288	0.711977358	0.776950859
## Inv_diff_norm_cooc.W.PET	0.509667370	0.980656051	0.314304303
## IDM_cooc.W.PET	0.305500257	0.574627235	0.851843086
## IDM_norm_cooc.W.PET	0.482226640	0.985192043	0.309583694
## Inv_var_cooc.W.PET	0.340441591	0.648303511	0.772336947
## Correlation_cooc.W.PET	0.588057413	0.683717852	0.272919968
## Autocorrelation_cooc.W.PET	0.228659800	0.318140601	-0.441571931
## Tendency_cooc.W.PET	0.260152155	0.272008042	-0.389913906

## Shade_cooc.W.PET	0.256999595	0.050995756	-0.179406503
## Prominence_cooc.W.PET	0.251941757	0.030511721	-0.193160606
## IC1_d.W.PET	-0.148815927	-0.170273076	-0.085131941
## IC2_d.W.PET	0.549227894	0.846464745	0.220286450
## Coarseness_vdif.W.PET	0.123971253	0.354812848	0.565652642
## Contrast_vdif.W.PET	-0.002613887	0.482594246	-0.246191034
## Busyness_vdif.W.PET	0.060849305	0.260139216	0.508433217
## Complexity_vdif.W.PET	0.355839139	0.198072505	-0.334993985
## Strength_vdif.W.PET	0.137939853	0.182366196	-0.069846050
## SRE_align.W.PET	0.436920976	0.980963046	0.223655258
## LRE_align.W.PET	0.439384026	0.850715104	0.637178200
## GLNU_align.W.PET	0.449311009	0.301134802	-0.056265613
## RLNU_align.W.PET	0.368484524	0.287287812	-0.267205028
## RP_align.W.PET	0.433466606	0.977079472	0.198661627
## LGRE_align.W.PET	0.145306529	0.408618687	0.890048151
## HGRE_align.W.PET	0.231460771	0.320869205	-0.446493208
## LGSRE_align.W.PET	0.160574720	0.443030401	0.856763359
## HGSRE_align.W.PET	0.223877044	0.315459844	-0.447220315
## LGHRE_align.W.PET	0.081329335	0.260065821	0.947017387
## HGLRE_align.W.PET	0.267702079	0.342742224	-0.441672684
## GLNU_norm_align.W.PET	0.160370270	0.432137820	0.942592164
## RLNU_norm_align.W.PET	0.423778484	0.960767502	0.118234688
## GLVAR_align.W.PET	0.245521897	0.304514974	-0.425935164
## RLVAR_align.W.PET	0.254081931	0.337049833	0.812720577
## Entropy_align.W.PET	0.484550563	0.930139056	-0.049274478
## SZSE.W.PET	0.328463612	0.928813092	0.115399220
## LZSE.W.PET	0.132735597	0.124856688	0.724027349
## LGLZE.W.PET	0.167046894	0.441688239	0.875045818
## HGLZE.W.PET	0.235355594	0.321854947	-0.445026913
## SZLGE.W.PET	0.166164909	0.512282364	0.798687257
## SZHGE.W.PET	0.200501990	0.305172279	-0.441790615
## LZLGE.W.PET	-0.037318418	-0.022103913	0.671659363
## LZHGE.W.PET	0.545504082	0.380732519	-0.272862641
## GLNU_area.W.PET	0.394103756	0.313804249	-0.138305365
## ZSNU.W.PET	0.297814274	0.274277081	-0.290846820
## ZSP.W.PET	0.307864168	0.864597640	-0.072815391
## GLNU_norm.W.PET	0.165183115	0.458621776	0.919840951
## ZSNU_norm.W.PET	0.345143519	0.858481433	-0.055081526
## GLVAR_area.W.PET	0.256868868	0.307058667	-0.422379336
## ZSVAR.W.PET	0.052146252	0.037619685	0.673198856
## Entropy_area.W.PET	0.525054577	0.964774222	0.056170097
## Min_hist.ADC	-0.015362858	0.306338312	0.301027654
## Max_hist.ADC	0.491084889	0.860456684	0.264458269
## Mean_hist.ADC	0.378780238	0.825882635	0.342699000
## Variance_hist.ADC	0.328225560	0.420527473	0.212724247
## Standard_Deviation_hist.ADC	0.422310036	0.698508263	0.260855898
## Skewness_hist.ADC	0.150979295	0.264089147	0.018711560
## Kurtosis_hist.ADC	0.219050352	0.286990437	0.034640822
## Energy_hist.ADC	0.317298076	0.390360995	0.420215637
## Entropy_hist.ADC	0.481921125	0.946919446	0.217873083
## AUC_hist.ADC	0.452345730	0.969889082	0.268290838
## Volume.ADC	0.259778784	0.353760633	-0.158407707
## X3D_surface.ADC	0.320405826	0.448075537	-0.047296216
## ratio_3ds_vol.ADC	0.198570317	0.607124669	0.406918965

## ratio_3ds_vol_norm.ADC	0.442693233	0.924438759	0.236798566
## irregularity.ADC	0.392464150	0.943604632	0.325834608
## Compactness_v1.ADC	0.396487426	0.640251364	0.439959402
##	Average_cooc.H.PET	Variance_cooc.H.PET	
## Failure	0.039443312	-0.035174148	
## Entropy_cooc.W.ADC	0.004938064	0.051397007	
## GLNU_align.H.PET	-0.068512878	-0.010847852	
## Min_hist.PET	0.385561890	0.728662440	
## Max_hist.PET	0.383527922	0.760611521	
## Mean_hist.PET	0.371385761	0.767918251	
## Variance_hist.PET	0.108609112	0.521929128	
## Standard_Deviation_hist.PET	0.372773484	0.771742104	
## Skewness_hist.PET	0.578292054	0.220644937	
## Kurtosis_hist.PET	0.180523844	-0.030015077	
## Energy_hist.PET	0.440352188	0.285582858	
## Entropy_hist.PET	0.813045992	0.822215391	
## AUC_hist.PET	0.970524386	0.841115424	
## H_suv.PET	0.406378476	0.782866791	
## Volume.PET	0.254553621	0.420893871	
## X3D_surface.PET	0.147107004	0.316670420	
## ratio_3ds_vol.PET	0.621250892	0.318832952	
## ratio_3ds_vol_norm.PET	0.563892590	0.445982157	
## irregularity.PET	0.974420495	0.763207307	
## tumor_length.PET	0.522180712	0.624040701	
## Compactness_v1.PET	0.512421430	0.446434551	
## Compactness_v2.PET	0.191278514	0.296006650	
## Spherical_disproportion.PET	0.563892590	0.445982157	
## Sphericity.PET	0.198301387	0.299418679	
## Asphericity.PET	0.542423157	0.426062913	
## Center_of_mass.PET	0.306821967	0.381139545	
## Max_3D_diam.PET	0.374170184	0.563304108	
## Major_axis_length.PET	0.411111620	0.605995758	
## Minor_axis_length.PET	0.569407723	0.705681970	
## Least_axis_length.PET	0.459662576	0.655791599	
## Elongation.PET	0.847686301	0.710085783	
## Flatness.PET	0.766257736	0.704888982	
## Max_cooc.L.PET	0.458672154	0.312146194	
## Average_cooc.L.PET	0.798561185	0.770907590	
## Variance_cooc.L.PET	0.689403497	0.477574867	
## Entropy_cooc.L.PET	0.944155821	0.884018013	
## DAVE_cooc.L.PET	0.770222915	0.627096378	
## DVAR_cooc.L.PET	0.673598863	0.541825609	
## DENT_cooc.L.PET	0.955445437	0.831788896	
## SAVE_cooc.L.PET	0.798394061	0.770858281	
## SVAR_cooc.L.PET	0.706101972	0.466713628	
## SENT_cooc.L.PET	0.958529032	0.830062789	
## ASM_cooc.L.PET	0.420839730	0.306283358	
## Contrast_cooc.L.PET	0.570017133	0.430486508	
## Dissimilarity_cooc.L.PET	0.770222915	0.627096378	
## Inv_diff_cooc.L.PET	0.807275021	0.725757110	
## Inv_diff_norm_cooc.L.PET	0.963446066	0.856190548	
## IDM_cooc.L.PET	0.716960335	0.637866965	
## IDM_norm_cooc.L.PET	0.969406796	0.858751867	
## Inv_var_cooc.L.PET	0.720937251	0.642116005	

## Correlation_cooc.L.PET	0.643876811	0.532020741
## Autocorrelation_cooc.L.PET	0.612857804	0.589376006
## Tendency_cooc.L.PET	0.706101972	0.466713628
## Shade_cooc.L.PET	0.387748380	0.023121597
## Prominence_cooc.L.PET	0.543842661	0.212096585
## IC1_.L.PET	-0.448472621	-0.159125781
## IC2_.L.PET	0.918489190	0.688641636
## Coarseness_vdif_.L.PET	0.502210965	0.287630333
## Contrast_vdif_.L.PET	0.273870539	0.104532475
## Busyness_vdif_.L.PET	0.229907496	0.398189572
## Complexity_vdif_.L.PET	0.727378026	0.560738245
## Strength_vdif_.L.PET	0.398224656	0.008131721
## SRE_align.L.PET	0.975241579	0.855396889
## LRE_align.L.PET	0.959697850	0.859166305
## GLNU_align.L.PET	0.169882028	0.370467381
## RLNU_align.L.PET	0.133991035	0.394800560
## RP_align.L.PET	0.975601185	0.854707325
## LGRE_align.L.PET	0.644989547	0.350037948
## HGRE_align.L.PET	0.625463400	0.618894598
## LGSRE_align.L.PET	0.649227701	0.355608286
## HGSRE_align.L.PET	0.624998138	0.614446517
## LGHRE_align.L.PET	0.624244367	0.326697713
## HGLRE_align.L.PET	0.625261684	0.635513624
## GLNU_norm_align.L.PET	0.672958730	0.461806467
## RLNU_norm_align.L.PET	0.975885333	0.851953121
## GLVAR_align.L.PET	0.702670163	0.542238162
## RLVAR_align.L.PET	0.589414273	0.537485092
## Entropy_align.L.PET	0.948609052	0.889907371
## SZSE.L.PET	0.956219964	0.830078259
## LZSE.L.PET	0.655145650	0.629017149
## LGLZE.L.PET	0.654745156	0.365189311
## HGLZE.L.PET	0.634460792	0.625365363
## SZLGE.L.PET	0.662856841	0.377425254
## SZHGE.L.PET	0.631955289	0.609189126
## LZLGE.L.PET	0.523759562	0.259530827
## LZHGE.L.PET	0.506568643	0.558702432
## GLNU_area.L.PET	0.170814034	0.374854835
## ZSNU.L.PET	0.135363616	0.398487151
## ZSP.L.PET	0.964971454	0.833870796
## GLNU_norm.L.PET	0.672189980	0.464069201
## ZSNU_norm.L.PET	0.967948333	0.838170083
## GLVAR_area.L.PET	0.711145204	0.554755412
## ZSVAR.L.PET	0.392211317	0.432925599
## Entropy_area.L.PET	0.946111766	0.893174135
## Max_cooc.H.PET	0.481391707	-0.151181216
## Average_cooc.H.PET	1.000000000	0.733671614
## Variance_cooc.H.PET	0.733671614	1.000000000
## Entropy_cooc.H.PET	0.760577301	0.818855237
## DAVE_cooc.H.PET	0.790917648	0.929942513
## DVAR_cooc.H.PET	0.778903292	0.910049267
## DENT_cooc.H.PET	0.698333374	0.772485426
## SAVE_cooc.H.PET	0.980449218	0.792908073
## SVAR_cooc.H.PET	0.744356092	0.915733955
## SENT_cooc.H.PET	0.586294726	0.755267799

## ASM_cooc.H.PET	0.448435231	-0.111705928
## Contrast_cooc.H.PET	0.687256335	0.891024548
## Dissimilarity_cooc.H.PET	0.790917648	0.929942513
## Inv_diff_cooc.H.PET	0.794567149	0.273308753
## Inv_diff_norm_cooc.H.PET	0.983317867	0.820926293
## IDM_cooc.H.PET	0.709953634	0.149001462
## IDM_norm_cooc.H.PET	0.978979419	0.839892965
## Inv_var_cooc_.H.PET	0.513105338	0.544776175
## Correlation_cooc.H.PET	0.629488929	0.588812047
## Autocorrelation_cooc.H.PET	0.981791313	0.606145684
## Tendency_cooc.H.PET	0.693124617	0.969464882
## Shade_cooc.H.PET	-0.311604686	-0.684568540
## Prominence_cooc.H.PET	0.439686750	0.888484602
## IC1_d.H.PET	-0.161259373	-0.005212069
## IC2_d.H.PET	0.734228570	0.697078406
## Coarseness_vdif.H.PET	0.419416658	0.295506571
## Contrast_vdif.H.PET	0.407635914	0.090645570
## Busyness_vdif.H.PET	0.098341125	0.170850623
## Complexity_vdif.H.PET	0.622736419	0.620766640
## Strength_vdif.H.PET	0.117047840	-0.164671496
## SRE_align.H.PET	0.908498904	0.918138523
## LRE_align.H.PET	0.747161436	0.284234505
## RLNU_align.H.PET	0.121227112	0.417455765
## RP_align.H.PET	0.889945580	0.923708786
## LGRE_align.H.PET	0.422597342	0.359150497
## HGRE_align.H.PET	0.978804592	0.620326231
## LGSRE_align.H.PET	0.420484133	0.356287030
## HGSRE_align.H.PET	0.976904294	0.746699526
## LGHRE_align.H.PET	0.435464545	0.371088528
## HGLRE_align.H.PET	0.580869365	0.069343564
## GLNU_norm_align.H.PET	0.678039291	0.048900082
## RLNU_norm_align.H.PET	0.815746336	0.933043629
## GLVAR_align.H.PET	0.691993896	0.994707598
## RLVAR_align.H.PET	0.418573880	-0.064303485
## Entropy_align.H.PET	0.795569298	0.951299529
## SZSE.H.PET	0.749045818	0.901342881
## LZSE.H.PET	0.010172440	-0.219519745
## LGLZE.H.PET	0.422351180	0.363014448
## HGLZE.H.PET	0.908719407	0.582224116
## SZLGE.H.PET	0.417518716	0.353098912
## SZHGE.H.PET	0.791095530	0.710002669
## LZLGE.H.PET	0.072572681	-0.172348961
## LZHGE.H.PET	0.039043637	-0.237104560
## GLNU_area.H.PET	0.178415375	0.406759264
## ZSNU.H.PET	0.084913919	0.406805261
## ZSP.H.PET	0.529833171	0.839195775
## GLNU_norm.H.PET	0.681255730	0.097597223
## ZSNU_norm.H.PET	0.587938311	0.857371175
## GLVAR_area.H.PET	0.669525244	0.980490162
## ZSVAR_H.PET	0.020457274	-0.227652831
## Entropy_area.H.PET	0.876567033	0.917294487
## Max_cooc.W.PET	0.477540634	-0.043914895
## Average_cooc.W.PET	0.360621674	0.793049254
## Variance_cooc.W.PET	0.113209447	0.507309157

## Entropy_cooc.W.PET	0.734783446	0.954130065
## DAVE_cooc.W.PET	0.396294682	0.776374808
## DVAR_cooc.W.PET	0.145237957	0.546692784
## DENT_cooc.W.PET	0.722240212	0.928892486
## SAVE_cooc.W.PET	0.359871048	0.792608816
## SVAR_cooc.W.PET	0.093982057	0.467681956
## SENT_cooc.W.PET	0.789796329	0.937446933
## ASM_cooc.W.PET	0.470947476	0.067244788
## Contrast_cooc.W.PET	0.152932867	0.565381026
## Dissimilarity_cooc.W.PET	0.396294682	0.776374808
## Inv_diff_cooc.W.PET	0.857489093	0.386140459
## Inv_diff_norm_cooc.W.PET	0.965710353	0.852729722
## IDM_cooc.W.PET	0.751273255	0.220868290
## IDM_norm_cooc.W.PET	0.969962511	0.858117832
## Inv_var_cooc.W.PET	0.800436681	0.321147189
## Correlation_cooc.W.PET	0.638927057	0.540115001
## Autocorrelation_cooc.W.PET	0.102376004	0.549070854
## Tendency_cooc.W.PET	0.093982057	0.467681956
## Shade_cooc.W.PET	-0.024874793	0.135002001
## Prominence_cooc.W.PET	-0.058285995	0.125253438
## IC1_d.W.PET	-0.165611426	-0.061893311
## IC2_d.W.PET	0.798582546	0.760058964
## Coarseness_vdif.W.PET	0.485827877	0.246582175
## Contrast_vdif.W.PET	0.372346654	0.636947818
## Busyness_vdif.W.PET	0.357890837	-0.078508756
## Complexity_vdif.W.PET	0.042334195	0.379544895
## Strength_vdif.W.PET	0.206932455	0.255003325
## SRE_align.W.PET	0.948151550	0.892310979
## LRE_align.W.PET	0.927023613	0.577509295
## GLNU_align.W.PET	0.219823955	0.298538591
## RLNU_align.W.PET	0.127359434	0.406518934
## RP_align.W.PET	0.938499689	0.900497439
## LGRE_align.W.PET	0.659121580	0.000830159
## HGRE_align.W.PET	0.103053952	0.554452081
## LGSRE_align.W.PET	0.686394900	0.046768746
## HGSRE_align.W.PET	0.099154811	0.549368167
## LGHRE_align.W.PET	0.514404512	-0.162117710
## HGLRE_align.W.PET	0.118886478	0.574182305
## GLNU_norm_align.W.PET	0.667346076	0.062279804
## RLNU_norm_align.W.PET	0.902362698	0.920246872
## GLVAR_align.W.PET	0.108403076	0.521629208
## RLVAR_align.W.PET	0.491538892	-0.003371851
## Entropy_align.W.PET	0.795917593	0.959037196
## SZSE.W.PET	0.872273723	0.898638591
## LZSE.W.PET	0.260389508	-0.163944744
## LGLZE.W.PET	0.678764779	0.041198624
## HGLZE.W.PET	0.106778935	0.553909097
## SZLGE.W.PET	0.724841900	0.152342414
## SZHGE.W.PET	0.097089325	0.536187114
## LZLGE.W.PET	0.126868199	-0.294884181
## LZHGE.W.PET	0.180994045	0.538009090
## GLNU_area.W.PET	0.207492883	0.354974343
## ZSNU.W.PET	0.108785780	0.409831576
## ZSP.W.PET	0.767403938	0.916922187

## GLNU_norm.W.PET	0.680557852	0.098989254	
## ZSNU_norm.W.PET	0.761648334	0.912392115	
## GLVAR_area.W.PET	0.112270556	0.523318577	
## ZSVAR.W.PET	0.165235603	-0.224194040	
## Entropy_area.W.PET	0.857790101	0.936680286	
## Min_hist.ADC	0.374242414	0.227253478	
## Max_hist.ADC	0.854252942	0.736532583	
## Mean_hist.ADC	0.869539675	0.686651617	
## Variance_hist.ADC	0.449169548	0.314892361	
## Standard_Deviation_hist.ADC	0.714001873	0.576279312	
## Skewness_hist.ADC	0.201559766	0.262873921	
## Kurtosis_hist.ADC	0.238681814	0.251224555	
## Energy_hist.ADC	0.438667316	0.316831588	
## Entropy_hist.ADC	0.907711272	0.844668163	
## AUC_hist.ADC	0.938230239	0.866227767	
## Volume.ADC	0.249269185	0.396098270	
## X3D_surface.ADC	0.357995564	0.443600203	
## ratio_3ds_vol.ADC	0.684239093	0.485648066	
## ratio_3ds_vol_norm.ADC	0.904355937	0.821897216	
## irregularity.ADC	0.945281503	0.821169501	
## Compactness_v1.ADC	0.672145075	0.535174038	
##	Entropy_cooc.H.PET	DAVE_cooc.H.PET	DVAR_cooc.H.PET
## Failure	-0.007573169	0.015700024	0.040970703
## Entropy_cooc.W.ADC	-0.074041168	-0.031737618	-0.028363910
## GLNU_align.H.PET	-0.098678707	-0.106021135	-0.102668610
## Min_hist.PET	0.697201827	0.686844846	0.618885758
## Max_hist.PET	0.720568349	0.646835912	0.582818479
## Mean_hist.PET	0.709253850	0.690417041	0.633257031
## Variance_hist.PET	0.497999501	0.389563145	0.344762317
## Standard_Deviation_hist.PET	0.722762827	0.667205227	0.602651944
## Skewness_hist.PET	0.460191763	0.327631281	0.250581172
## Kurtosis_hist.PET	0.167956594	0.028072137	-0.002462584
## Energy_hist.PET	0.259929528	0.356299517	0.366714275
## Entropy_hist.PET	0.751745871	0.765988087	0.742389901
## AUC_hist.PET	0.820378314	0.863544199	0.839433428
## H_suv.PET	0.729418153	0.763509093	0.712698141
## Volume.PET	0.349241550	0.305414947	0.304838092
## X3D_surface.PET	0.169027053	0.136040115	0.112176619
## ratio_3ds_vol.PET	0.381642418	0.446670413	0.428381112
## ratio_3ds_vol_norm.PET	0.424582685	0.396688091	0.359677459
## irregularity.PET	0.786128361	0.831324858	0.810295636
## tumor_length.PET	0.501028142	0.458267001	0.428649542
## Compactness_v1.PET	0.408256761	0.470152171	0.483332988
## Compactness_v2.PET	0.329041230	0.262209487	0.261704441
## Spherical_disproportion.PET	0.424582685	0.396688091	0.359677459
## Sphericity.PET	0.335193938	0.279511968	0.278833446
## Asphericity.PET	0.404883186	0.375210652	0.338360461
## Center_of_mass.PET	0.350766372	0.202271359	0.153212857
## Max_3D_diam.PET	0.495195875	0.400690247	0.386386769
## Major_axis_length.PET	0.538169044	0.440732506	0.428640020
## Minor_axis_length.PET	0.602731305	0.549991522	0.516319546
## Least_axis_length.PET	0.551026573	0.466376315	0.435936315
## Elongation.PET	0.667249635	0.761675098	0.723406047
## Flatness.PET	0.669945501	0.700893165	0.656656510

## Max_cooc.L.PET	0.287222156	0.353434072	0.364802094
## Average_cooc.L.PET	0.661104345	0.809060473	0.830954060
## Variance_cooc.L.PET	0.535262361	0.636653333	0.609075909
## Entropy_cooc.L.PET	0.836339914	0.892580515	0.872444101
## DAVE_cooc.L.PET	0.648627153	0.812243957	0.790009320
## DVAR_cooc.L.PET	0.643524433	0.744030850	0.705863956
## DENT_cooc.L.PET	0.822143292	0.908766270	0.886115648
## SAVE_cooc.L.PET	0.661071485	0.808986280	0.830873866
## SVAR_cooc.L.PET	0.521894237	0.563104062	0.537950998
## SENT_cooc.L.PET	0.787386319	0.857999294	0.837483290
## ASM_cooc.L.PET	0.263051531	0.341701882	0.352248994
## Contrast_cooc.L.PET	0.484410726	0.667714293	0.639992555
## Dissimilarity_cooc.L.PET	0.648627153	0.812243957	0.790009320
## Inv_diff_cooc.L.PET	0.695054574	0.642651486	0.619261870
## Inv_diff_norm_cooc.L.PET	0.829880677	0.851727988	0.828072030
## IDM_cooc.L.PET	0.609822408	0.544254062	0.522133646
## IDM_norm_cooc.L.PET	0.833210007	0.864460402	0.841326792
## Inv_var_cooc.L.PET	0.612137303	0.547479933	0.524801461
## Correlation_cooc.L.PET	0.470070044	0.321876144	0.301046255
## Autocorrelation_cooc.L.PET	0.459934256	0.617751284	0.659542203
## Tendency_cooc.L.PET	0.521894237	0.563104062	0.537950998
## Shade_cooc.L.PET	0.314255835	0.113198657	0.031556463
## Prominence_cooc.L.PET	0.377226158	0.334553131	0.290298205
## IC1_.L.PET	-0.238424906	-0.256315079	-0.244514936
## IC2_.L.PET	0.698725288	0.747345967	0.724622752
## Coarseness_vdif_.L.PET	0.256589075	0.373927339	0.400993007
## Contrast_vdif_.L.PET	0.199039930	0.309428674	0.278758038
## Busyness_vdif_.L.PET	0.321976968	0.255457278	0.225677643
## Complexity_vdif_.L.PET	0.628520081	0.781693449	0.739500369
## Strength_vdif_.L.PET	0.184016840	0.190920712	0.169595670
## SRE_align.L.PET	0.835918038	0.884380536	0.860784334
## LRE_align.L.PET	0.830996885	0.853913974	0.828343663
## GLNU_align.L.PET	0.271517618	0.179058008	0.151768859
## RLNU_align.L.PET	0.254215709	0.186796473	0.169883098
## RP_align.L.PET	0.835344227	0.885650175	0.862293750
## LGRE_align.L.PET	0.528567226	0.441903526	0.361190603
## HGRE_align.L.PET	0.481075673	0.665728411	0.711711138
## LGSRE_align.L.PET	0.530921561	0.449801820	0.369614817
## HGSRE_align.L.PET	0.479901323	0.665804525	0.711100612
## LGHRE_align.L.PET	0.516507193	0.408119456	0.326061483
## HGLRE_align.L.PET	0.484504115	0.663525380	0.712089831
## GLNU_norm_align.L.PET	0.496947363	0.520371986	0.503163317
## RLNU_norm_align.L.PET	0.833183798	0.889712196	0.867071967
## GLVAR_align.L.PET	0.557677269	0.674695550	0.658379501
## RLVAR_align.L.PET	0.474787101	0.454945769	0.444969127
## Entropy_align.L.PET	0.832226599	0.889016582	0.872331451
## SZSE.L.PET	0.819125841	0.873209451	0.849919803
## LZSE.L.PET	0.580357118	0.560885629	0.540649488
## LGLZE.L.PET	0.533749277	0.457999659	0.378674458
## HGLZE.L.PET	0.492079454	0.676449605	0.720789426
## SZLGE.L.PET	0.535287934	0.478530773	0.402001624
## SZHGE.L.PET	0.492231138	0.676607079	0.717424408
## LZLGE.L.PET	0.449545224	0.299474615	0.221739703
## LZHGE.L.PET	0.393330794	0.531174817	0.575669796

## GLNU_area.L.PET	0.273132650	0.184922608	0.158277654
## ZSNU.L.PET	0.257788928	0.196884950	0.181402169
## ZSP.L.PET	0.820171546	0.883472383	0.862031729
## GLNU_norm.L.PET	0.495864940	0.521591757	0.504751877
## ZSNU_norm.L.PET	0.816721514	0.893040133	0.873722985
## GLVAR_area.L.PET	0.566727920	0.687389273	0.672276176
## ZSVAR.L.PET	0.390511522	0.294216234	0.268341031
## Entropy_area.L.PET	0.836500947	0.882748673	0.864266897
## Max_cooc.H.PET	0.003906712	-0.051380017	0.023946473
## Average_cooc.H.PET	0.760577301	0.790917648	0.778903292
## Variance_cooc.H.PET	0.818855237	0.929942513	0.910049267
## Entropy_cooc.H.PET	1.000000000	0.840340894	0.768471072
## DAVE_cooc.H.PET	0.840340894	1.000000000	0.969970484
## DVAR_cooc.H.PET	0.768471072	0.969970484	1.000000000
## DENT_cooc.H.PET	0.678119430	0.760582813	0.692786006
## SAVE_cooc.H.PET	0.774200469	0.827267632	0.804880203
## SVAR_cooc.H.PET	0.710462619	0.803759188	0.781261706
## SENT_cooc.H.PET	0.658808550	0.726371477	0.664976836
## ASM_cooc.H.PET	-0.014169691	-0.038183207	0.048531464
## Contrast_cooc.H.PET	0.769773776	0.978806586	0.973378915
## Dissimilarity_cooc.H.PET	0.840340894	1.000000000	0.969970484
## Inv_diff_cooc.H.PET	0.324084342	0.299605411	0.355806944
## Inv_diff_norm_cooc.H.PET	0.812146415	0.834621617	0.814017815
## IDM_cooc.H.PET	0.206239688	0.183181626	0.251806056
## IDM_norm_cooc.H.PET	0.826957343	0.856104610	0.831249790
## Inv_var_cooc_.H.PET	0.517161051	0.515651229	0.484173282
## Correlation_cooc.H.PET	0.502382577	0.361052534	0.330810628
## Autocorrelation_cooc.H.PET	0.663737154	0.670614309	0.670251680
## Tendency_cooc.H.PET	0.772160620	0.820400718	0.794469164
## Shade_cooc.H.PET	-0.374323140	-0.524644630	-0.534648392
## Prominence_cooc.H.PET	0.646820394	0.679401549	0.649223418
## IC1_d.H.PET	-0.009856450	0.196655812	0.205331124
## IC2_d.H.PET	0.647619152	0.521249576	0.479520260
## Coarseness_vdif.H.PET	0.263636669	0.340422572	0.348779056
## Contrast_vdif.H.PET	-0.047365669	0.155914084	0.304285579
## Busyness_vdif.H.PET	0.168068945	0.129097413	0.128544281
## Complexity_vdif.H.PET	0.509887415	0.720555146	0.715603406
## Strength_vdif.H.PET	0.009015916	-0.111986043	-0.107201108
## SRE_align.H.PET	0.889990435	0.945032450	0.898076148
## LRE_align.H.PET	0.310992635	0.289940179	0.347275536
## RLNU_align.H.PET	0.287217677	0.217917505	0.198305420
## RP_align.H.PET	0.893071732	0.953536954	0.904264202
## LGRE_align.H.PET	0.299192623	0.378619521	0.391642534
## HGRE_align.H.PET	0.666469231	0.689284566	0.698794139
## LGSRE_align.H.PET	0.297180758	0.376842582	0.389828281
## HGSRE_align.H.PET	0.789111338	0.829627511	0.806427962
## LGHRE_align.H.PET	0.306084728	0.383829388	0.397873152
## HGLRE_align.H.PET	0.108631063	0.073194824	0.154942848
## GLNU_norm_align.H.PET	0.172914643	0.175486344	0.230119952
## RLNU_norm_align.H.PET	0.897367364	0.964038823	0.903621913
## GLVAR_align.H.PET	0.797452143	0.903740519	0.887471781
## RLVAR_align.H.PET	-0.046038181	-0.090006733	-0.012483282
## Entropy_align.H.PET	0.871698142	0.874520476	0.833807791
## SZSE.H.PET	0.873732495	0.913699278	0.850243588

## LZSE.H.PET	-0.184118545	-0.231865929	-0.206208651
## LGLZE.H.PET	0.301881233	0.380554895	0.394353240
## HGLZE.H.PET	0.629300110	0.640691194	0.610441687
## SZLGE.H.PET	0.295496920	0.374243143	0.388122008
## SZHGE.H.PET	0.787076534	0.799194922	0.734008848
## LZLGE.H.PET	-0.183661692	-0.203776411	-0.153928473
## LZHGE.H.PET	-0.188406321	-0.254720406	-0.201506820
## GLNU_area.H.PET	0.285895003	0.230770981	0.207564026
## ZSNU.H.PET	0.294254831	0.224884517	0.209009677
## ZSP.H.PET	0.793816011	0.854792163	0.782405922
## GLNU_norm.H.PET	0.191594795	0.207412439	0.271665015
## ZSNU_norm.H.PET	0.826749831	0.861192183	0.790643342
## GLVAR_area.H.PET	0.771311087	0.891167404	0.876242300
## ZSVAR_H.PET	-0.201128732	-0.244418021	-0.197899499
## Entropy_area.H.PET	0.840826480	0.860734944	0.828855377
## Max_cooc.W.PET	0.071879933	0.044653097	0.110536717
## Average_cooc.W.PET	0.704019958	0.673408962	0.633179150
## Variance_cooc.W.PET	0.494189354	0.387452849	0.336742376
## Entropy_cooc.W.PET	0.891933849	0.910415422	0.850482403
## DAVE_cooc.W.PET	0.739558233	0.756145541	0.694164462
## DVAR_cooc.W.PET	0.541026184	0.487804598	0.446793237
## DENT_cooc.W.PET	0.894971972	0.925138476	0.858407382
## SAVE_cooc.W.PET	0.703663210	0.672874524	0.632610796
## SVAR_cooc.W.PET	0.456164556	0.321870370	0.269563936
## SENT_cooc.W.PET	0.873381620	0.895585881	0.834228642
## ASM_cooc.W.PET	0.109084560	0.127926039	0.190185157
## Contrast_cooc.W.PET	0.549300709	0.524147273	0.482129159
## Dissimilarity_cooc.W.PET	0.739558233	0.756145541	0.694164462
## Inv_diff_cooc.W.PET	0.401054043	0.423186212	0.468802416
## Inv_diff_norm_cooc.W.PET	0.827311754	0.849570306	0.826766832
## IDM_cooc.W.PET	0.244675928	0.257115494	0.323376004
## IDM_norm_cooc.W.PET	0.832776849	0.864583314	0.841439433
## Inv_var_cooc.W.PET	0.323527069	0.354192865	0.408449419
## Correlation_cooc.W.PET	0.474673315	0.327366971	0.304484788
## Autocorrelation_cooc.W.PET	0.492158954	0.396921194	0.373341268
## Tendency_cooc.W.PET	0.456164556	0.321870370	0.269563936
## Shade_cooc.W.PET	0.180246239	0.023038090	-0.019195734
## Prominence_cooc.W.PET	0.159386290	0.005430633	-0.022181311
## IC1_d.W.PET	-0.081919187	0.119573830	0.138962896
## IC2_d.W.PET	0.725257775	0.638685310	0.597289405
## Coarseness_vdif.W.PET	0.228541411	0.353015117	0.386017847
## Contrast_vdif.W.PET	0.627232913	0.720064859	0.660183850
## Busyness_vdif.W.PET	0.031784930	-0.060030054	-0.032519075
## Complexity_vdif.W.PET	0.381191405	0.238586036	0.210476056
## Strength_vdif.W.PET	0.358914234	0.276940456	0.197608048
## SRE_align.W.PET	0.869522990	0.917361030	0.881149626
## LRE_align.W.PET	0.569731685	0.581142664	0.611501077
## GLNU_align.W.PET	0.186188631	0.125183974	0.114863228
## RLNU_align.W.PET	0.272851286	0.201978951	0.182451640
## RP_align.W.PET	0.876165637	0.926728383	0.887815023
## LGRE_align.W.PET	0.207748251	0.162323836	0.167366468
## HGRE_align.W.PET	0.498489720	0.408018628	0.385333684
## LGSRE_align.W.PET	0.250041996	0.215739290	0.212421579
## HGSRE_align.W.PET	0.496496743	0.406142750	0.382902751

## LGHRE_align.W.PET	0.046589588	-0.040845929	-0.009932581
## HGLRE_align.W.PET	0.504235755	0.413241851	0.393442611
## GLNU_norm_align.W.PET	0.180678063	0.187082701	0.239662794
## RLNU_norm_align.W.PET	0.894252051	0.947353668	0.898734876
## GLVAR_align.W.PET	0.497989055	0.388600868	0.343979377
## RLVAR_align.W.PET	0.008521182	-0.020453495	0.061681336
## Entropy_align.W.PET	0.882476145	0.894756600	0.850287231
## SZSE.W.PET	0.878573368	0.927621031	0.881011140
## LZSE.W.PET	-0.110486463	-0.175700586	-0.080413963
## LGLZE.W.PET	0.210547591	0.192243166	0.208943151
## HGLZE.W.PET	0.502525363	0.409108708	0.383862365
## SZLGE.W.PET	0.303786909	0.313589539	0.315378510
## SZHGE.W.PET	0.495241702	0.400730212	0.373921826
## LZLGE.W.PET	-0.148143625	-0.266754831	-0.225308606
## LZHGE.W.PET	0.418092834	0.328507661	0.346243005
## GLNU_area.W.PET	0.236718754	0.179710599	0.162598489
## ZSNU.W.PET	0.286801434	0.216821857	0.197504512
## ZSP.W.PET	0.879499651	0.941073727	0.876743247
## GLNU_norm.W.PET	0.183979655	0.214338608	0.279796090
## ZSNU_norm.W.PET	0.883890061	0.935458065	0.875523631
## GLVAR_area.W.PET	0.500061999	0.390173197	0.345042246
## ZSVAR.W.PET	-0.169355033	-0.235624298	-0.139465464
## Entropy_area.W.PET	0.868915982	0.877687581	0.838887974
## Min_hist.ADC	0.351010200	0.274426047	0.311513882
## Max_hist.ADC	0.710113792	0.758630188	0.740868699
## Mean_hist.ADC	0.731337053	0.755786661	0.736854816
## Variance_hist.ADC	0.257978877	0.336113114	0.337115440
## Standard_Deviation_hist.ADC	0.517740487	0.601319189	0.591048182
## Skewness_hist.ADC	0.198328188	0.181897209	0.213313295
## Kurtosis_hist.ADC	0.286755574	0.207820623	0.175843523
## Energy_hist.ADC	0.279091406	0.356533084	0.368716833
## Entropy_hist.ADC	0.786433156	0.836823014	0.807632155
## AUC_hist.ADC	0.823606201	0.872072889	0.856023481
## Volume.ADC	0.320465334	0.294118449	0.288704773
## X3D_surface.ADC	0.358713476	0.374820409	0.354527992
## ratio_3ds_vol.ADC	0.534611909	0.576338979	0.577472716
## ratio_3ds_vol_norm.ADC	0.784656445	0.835140640	0.809850848
## irregularity.ADC	0.811964950	0.864831671	0.847759556
## Compactness_v1.ADC	0.501425737	0.572445503	0.574040591
##	DENT_cooc.H.PET	SAVE_cooc.H.PET	SVAR_cooc.H.PET
## Failure	-0.1123445717	0.011453752	-0.079354198
## Entropy_cooc.W.ADC	0.1797126504	0.037166289	0.176929623
## GLNU_align.H.PET	0.0855653422	-0.050123557	0.079031665
## Min_hist.PET	0.6117902654	0.448835100	0.659693556
## Max_hist.PET	0.6164980203	0.454592487	0.702407716
## Mean_hist.PET	0.6117156407	0.442391727	0.688870337
## Variance_hist.PET	0.3359292426	0.175708792	0.444026221
## Standard_Deviation_hist.PET	0.5881036287	0.450623150	0.685467234
## Skewness_hist.PET	0.4243424605	0.557986747	0.289991283
## Kurtosis_hist.PET	0.1236889276	0.148272679	0.018000499
## Energy_hist.PET	0.1756036266	0.408167518	0.276731076
## Entropy_hist.PET	0.8307032597	0.852351247	0.887437252
## AUC_hist.PET	0.7664441995	0.975476057	0.839254948
## H_suv.PET	0.5777024983	0.472693128	0.653930867

## Volume.PET	0.4409365286	0.306015702	0.486062860
## X3D_surface.PET	0.3269182726	0.184155108	0.388670288
## ratio_3ds_vol.PET	0.2599372525	0.566792961	0.309942425
## ratio_3ds_vol_norm.PET	0.3858289549	0.559695904	0.504039533
## irregularity.PET	0.6988546495	0.959056738	0.743927852
## tumor_length.PET	0.5807203070	0.561466279	0.677486453
## Compactness_v1.PET	0.3453562599	0.506047614	0.425003491
## Compactness_v2.PET	0.3313581947	0.221450938	0.220227061
## Spherical_disproportion.PET	0.3858289549	0.559695904	0.504039533
## Sphericity.PET	0.3490573162	0.230016247	0.230191487
## Asphericity.PET	0.3673980593	0.537905856	0.485607966
## Center_of_mass.PET	0.3677808635	0.356311131	0.478090127
## Max_3D_diam.PET	0.5870392570	0.425172523	0.592559922
## Major_axis_length.PET	0.6199132855	0.460475373	0.653296423
## Minor_axis_length.PET	0.6765782082	0.619267680	0.744416184
## Least_axis_length.PET	0.6252973206	0.514983382	0.692715825
## Elongation.PET	0.6095372910	0.845623770	0.679152529
## Flatness.PET	0.5992183232	0.775171903	0.677861460
## Max_cooc.L.PET	0.2043100588	0.431652556	0.321202374
## Average_cooc.L.PET	0.5664522021	0.800795665	0.686735945
## Variance_cooc.L.PET	0.3824001724	0.661956767	0.379775182
## Entropy_cooc.L.PET	0.7900033872	0.962910603	0.862062996
## DAVE_cooc.L.PET	0.5160027710	0.750748952	0.496362151
## DVAR_cooc.L.PET	0.4094976343	0.640510530	0.369871314
## DENT_cooc.L.PET	0.7360170577	0.956777036	0.778364436
## SAVE_cooc.L.PET	0.5664585023	0.800652767	0.686640970
## SVAR_cooc.L.PET	0.3833397370	0.682577099	0.421462871
## SENT_cooc.L.PET	0.7204406674	0.960394585	0.821857163
## ASM_cooc.L.PET	0.1956975313	0.400267062	0.315497258
## Contrast_cooc.L.PET	0.3294087501	0.540039932	0.262383711
## Dissimilarity_cooc.L.PET	0.5160027710	0.750748952	0.496362151
## Inv_diff_cooc.L.PET	0.6723340362	0.822308414	0.792656338
## Inv_diff_norm_cooc.L.PET	0.7803827441	0.973428883	0.862482658
## IDM_cooc.L.PET	0.5862707633	0.729787264	0.715708799
## IDM_norm_cooc.L.PET	0.7793946748	0.978133507	0.857711158
## Inv_var_cooc.L.PET	0.5976652535	0.733017802	0.722859675
## Correlation_cooc.L.PET	0.5196624133	0.668274173	0.695049787
## Autocorrelation_cooc.L.PET	0.3581723045	0.607755974	0.503982110
## Tendency_cooc.L.PET	0.3833397370	0.682577099	0.421462871
## Shade_cooc.L.PET	0.2149185836	0.368276971	0.096989194
## Prominence_cooc.L.PET	0.2072668716	0.507420294	0.194313918
## IC1_.L.PET	-0.0976925901	-0.397158029	-0.118160977
## IC2_.L.PET	0.5803573453	0.902441697	0.672157161
## Coarseness_vdif_.L.PET	0.1580623750	0.457228211	0.274330474
## Contrast_vdif_.L.PET	0.0873649015	0.225530275	-0.021991198
## Busyness_vdif_.L.PET	0.4184533776	0.271709251	0.435047172
## Complexity_vdif_.L.PET	0.4862796109	0.695849820	0.428282134
## Strength_vdif_.L.PET	0.0359576777	0.317536814	-0.024946152
## SRE_align.L.PET	0.7711029778	0.980327246	0.838774913
## LRE_align.L.PET	0.7763198654	0.970659536	0.860552308
## GLNU_align.L.PET	0.3619252546	0.207881091	0.423002117
## RLNU_align.L.PET	0.3730766921	0.181206199	0.440580628
## RP_align.L.PET	0.7702296862	0.980325942	0.837099905
## LGRE_align.L.PET	0.3985177302	0.612418249	0.379348703

## HGRE_align.L.PET	0.3820919576	0.618397072	0.514472782
## LGSRE_align.L.PET	0.4015380714	0.616713749	0.383662149
## HGSRE_align.L.PET	0.3798534926	0.616986204	0.508539801
## LGHRE_align.L.PET	0.3839734639	0.591491737	0.360773237
## HGLRE_align.L.PET	0.3904246724	0.622178092	0.537354694
## GLNU_norm_align.L.PET	0.4097512204	0.646585735	0.482447538
## RLNU_norm_align.L.PET	0.7665276279	0.979341644	0.830417161
## GLVAR_align.L.PET	0.4116785848	0.681396193	0.440799376
## RLVAR_align.L.PET	0.4334612840	0.597902103	0.596483082
## Entropy_align.L.PET	0.7808971400	0.965718439	0.869128619
## SZSE.L.PET	0.7523180361	0.959253981	0.806948688
## LZSE.L.PET	0.5441119528	0.669484309	0.653835110
## LGLZE.L.PET	0.4103145192	0.623797570	0.396308451
## HGLZE.L.PET	0.3910856660	0.627154960	0.518870753
## SZLGE.L.PET	0.4167872702	0.632316497	0.405827126
## SZHGE.L.PET	0.3886655661	0.622121412	0.498142777
## LZLGE.L.PET	0.3160166454	0.492294145	0.300678843
## LZHGE.L.PET	0.3176284687	0.510857324	0.492408498
## GLNU_area.L.PET	0.3701856400	0.209968681	0.427027189
## ZSNU.L.PET	0.3817368789	0.183359538	0.441077290
## ZSP.L.PET	0.7573410148	0.967477957	0.809095942
## GLNU_norm.L.PET	0.4124301569	0.646678761	0.485734762
## ZSNU_norm.L.PET	0.7574793316	0.969675866	0.809079758
## GLVAR_area.L.PET	0.4216301751	0.691007130	0.452692004
## ZSVAR.L.PET	0.3264746747	0.405641352	0.479588569
## Entropy_area.L.PET	0.7839940722	0.964609254	0.876809250
## Max_cooc.H.PET	-0.0312298426	0.368743054	-0.024320980
## Average_cooc.H.PET	0.6983333739	0.980449218	0.744356092
## Variance_cooc.H.PET	0.7724854257	0.792908073	0.915733955
## Entropy_cooc.H.PET	0.6781194305	0.774200469	0.710462619
## DAVE_cooc.H.PET	0.7605828128	0.827267632	0.803759188
## DVAR_cooc.H.PET	0.6927860063	0.804880203	0.781261706
## DENT_cooc.H.PET	1.0000000000	0.763059993	0.831775132
## SAVE_cooc.H.PET	0.7630599933	1.000000000	0.815816607
## SVAR_cooc.H.PET	0.8317751323	0.815816607	1.000000000
## SENT_cooc.H.PET	0.5585716461	0.629024387	0.721596691
## ASM_cooc.H.PET	-0.0490175979	0.336833338	-0.005099871
## Contrast_cooc.H.PET	0.6829948371	0.724388730	0.730906930
## Dissimilarity_cooc.H.PET	0.7605828128	0.827267632	0.803759188
## Inv_diff_cooc.H.PET	0.3259287409	0.723924384	0.398564236
## Inv_diff_norm_cooc.H.PET	0.7537792231	0.983207666	0.829001724
## IDM_cooc.H.PET	0.2212194391	0.629126716	0.285856842
## IDM_norm_cooc.H.PET	0.7668387469	0.982785595	0.838998525
## Inv_var_cooc.H.PET	0.4238860718	0.530959362	0.550001362
## Correlation_cooc.H.PET	0.5397247619	0.662889435	0.734239077
## Autocorrelation_cooc.H.PET	0.6036813481	0.941190543	0.644998591
## Tendency_cooc.H.PET	0.7517721329	0.759011027	0.933700576
## Shade_cooc.H.PET	-0.3957566629	-0.385800662	-0.633217036
## Prominence_cooc.H.PET	0.6385996274	0.525749141	0.842744722
## IC1_d.H.PET	-0.1083616469	-0.176246396	-0.191901704
## IC2_d.H.PET	0.6324848962	0.770985228	0.804355906
## Coarseness_vdif.H.PET	0.1798122272	0.393612665	0.296260822
## Contrast_vdif.H.PET	-0.0564778262	0.324127117	0.062531106
## Busyness_vdif.H.PET	0.1683912230	0.127162971	0.159638291

## Complexity_vdif.H.PET	0.4220803552	0.621858586	0.550963304
## Strength_vdif.H.PET	-0.1446455402	0.019233300	-0.185771942
## SRE_align.H.PET	0.8025595470	0.932987985	0.860464893
## LRE_align.H.PET	0.3617161809	0.698637695	0.438325860
## RLNU_align.H.PET	0.3866614467	0.169814422	0.442325361
## RP_align.H.PET	0.7996053696	0.916839061	0.855801579
## LGRE_align.H.PET	0.2245571048	0.410509705	0.361365402
## HGRE_align.H.PET	0.6137223182	0.937489303	0.652071774
## LGSRE_align.H.PET	0.2223093227	0.408176664	0.358180820
## HGSRE_align.H.PET	0.7090618465	0.958250974	0.726764213
## LGHRE_align.H.PET	0.2355901871	0.424201633	0.377879354
## HGLRE_align.H.PET	0.1664290282	0.508400221	0.226548970
## GLNU_norm_align.H.PET	0.1446157140	0.575517168	0.142118448
## RLNU_norm_align.H.PET	0.7933397145	0.854396957	0.840500433
## GLVAR_align.H.PET	0.7592785669	0.757536654	0.914125043
## RLVAR_align.H.PET	0.0806102110	0.367049891	0.137047470
## Entropy_align.H.PET	0.8136374696	0.850266518	0.923989950
## SZSE.H.PET	0.7803665495	0.794667508	0.816878906
## LZSE.H.PET	-0.0187518139	0.001467323	-0.049594042
## LGLZE.H.PET	0.2243941704	0.410773488	0.365019496
## HGLZE.H.PET	0.7112386724	0.897201589	0.664454942
## SZLGE.H.PET	0.2181097487	0.404985111	0.354987820
## SZHGE.H.PET	0.7196088998	0.806667399	0.661704797
## LZLGE.H.PET	-0.0081956552	0.060949410	0.009848526
## LZHGE.H.PET	-0.0837121885	0.003060525	-0.085375651
## GLNU_area.H.PET	0.3856840726	0.222565838	0.439968376
## ZSNU.H.PET	0.3830251753	0.133368525	0.412694927
## ZSP.H.PET	0.6869399478	0.597277662	0.705956947
## GLNU_norm.H.PET	0.1411511438	0.581470389	0.175370894
## ZSNU_norm.H.PET	0.7164061026	0.646953444	0.748803777
## GLVAR_area.H.PET	0.7532293736	0.740972673	0.903497621
## ZSVAR.H.PET	-0.0507311888	0.002190614	-0.060554397
## Entropy_area.H.PET	0.8159065164	0.919112858	0.916840221
## Max_cooc.W.PET	-0.0033611621	0.365461591	0.035536469
## Average_cooc.W.PET	0.5848274868	0.438055207	0.702528958
## Variance_cooc.W.PET	0.3290202369	0.179862919	0.430497835
## Entropy_cooc.W.PET	0.8077931021	0.795835968	0.882911273
## DAVE_cooc.W.PET	0.5977666554	0.469206857	0.649102001
## DVAR_cooc.W.PET	0.3630611232	0.212432742	0.436702930
## DENT_cooc.W.PET	0.7874423763	0.779097400	0.838626246
## SAVE_cooc.W.PET	0.5845752272	0.437360384	0.702050621
## SVAR_cooc.W.PET	0.2969751095	0.157665295	0.410251272
## SENT_cooc.W.PET	0.7844107710	0.840666312	0.896884994
## ASM_cooc.W.PET	0.0409729709	0.383733533	0.129328459
## Contrast_cooc.W.PET	0.3833064512	0.221434376	0.444673652
## Dissimilarity_cooc.W.PET	0.5977666554	0.469206857	0.649102001
## Inv_diff_cooc.W.PET	0.4089039363	0.797145639	0.483699372
## Inv_diff_norm_cooc.W.PET	0.7777134780	0.974329984	0.859333420
## IDM_cooc.W.PET	0.2673940359	0.676938060	0.342446770
## IDM_norm_cooc.W.PET	0.7790050692	0.978354197	0.856730884
## Inv_var_cooc.W.PET	0.3467481968	0.741243486	0.429650961
## Correlation_cooc.W.PET	0.5261229183	0.666733833	0.702086762
## Autocorrelation_cooc.W.PET	0.3610715653	0.170713576	0.475694101
## Tendency_cooc.W.PET	0.2969751095	0.157665295	0.410251272

## Shade_cooc.W.PET	0.0159444204	0.002543725	0.115033004
## Prominence_cooc.W.PET	-0.0203991267	-0.033845146	0.097702028
## IC1_d.W.PET	-0.1295767466	-0.189931419	-0.212676753
## IC2_d.W.PET	0.6630166531	0.833943915	0.828794117
## Coarseness_vdif.W.PET	0.1190930207	0.428183966	0.215281363
## Contrast_vdif.W.PET	0.4225018109	0.419761804	0.479744047
## Busyness_vdif.W.PET	0.0719241134	0.307783855	0.053277569
## Complexity_vdif.W.PET	0.2104199971	0.089283877	0.322797701
## Strength_vdif.W.PET	0.1675566765	0.227748564	0.230613327
## SRE_align.W.PET	0.7941611006	0.963830543	0.857832977
## LRE_align.W.PET	0.5788484786	0.896441030	0.664982126
## GLNU_align.W.PET	0.3341014405	0.250832618	0.396837182
## RLNU_align.W.PET	0.3783139179	0.175026975	0.441009890
## RP_align.W.PET	0.7965736469	0.956375425	0.859038740
## LGRE_align.W.PET	0.1578382541	0.559166439	0.095045231
## HGRE_align.W.PET	0.3670016108	0.171365758	0.475612203
## LGSRE_align.W.PET	0.1926170202	0.591086363	0.128317877
## HGSRE_align.W.PET	0.3637227742	0.167171150	0.469423425
## LGHRE_align.W.PET	0.0353790505	0.409281372	-0.021357724
## HGLRE_align.W.PET	0.3794760531	0.188328420	0.501161732
## GLNU_norm_align.W.PET	0.1366635656	0.563575202	0.146969462
## RLNU_norm_align.W.PET	0.8057331451	0.928832575	0.861314389
## GLVAR_align.W.PET	0.3359935287	0.175578906	0.443899937
## RLVAR_align.W.PET	0.0997107927	0.429928892	0.177989838
## Entropy_align.W.PET	0.8177251332	0.849697339	0.918186119
## SZSE.W.PET	0.7925120862	0.899331579	0.835595559
## LZSE.W.PET	-0.0685930336	0.181739117	-0.014720540
## LGLZE.W.PET	0.1786601342	0.581826184	0.138935469
## HGLZE.W.PET	0.3682901310	0.175563717	0.475676916
## SZLGE.W.PET	0.2639037128	0.641261228	0.221400953
## SZHGE.W.PET	0.3581883625	0.164598399	0.456129248
## LZLGE.W.PET	-0.1196676631	0.052283631	-0.155320386
## LZHGE.W.PET	0.3204362344	0.229138469	0.520250760
## GLNU_area.W.PET	0.3635335631	0.245414590	0.423850990
## ZSNU.W.PET	0.3825472559	0.157065257	0.428859010
## ZSP.W.PET	0.7898577887	0.815093180	0.823068145
## GLNU_norm.W.PET	0.1472119059	0.581068411	0.182294998
## ZSNU_norm.W.PET	0.7864783773	0.806331226	0.816254683
## GLVAR_area.W.PET	0.3367140660	0.179603383	0.447103169
## ZSVAR.W.PET	-0.1196643822	0.090455729	-0.078940606
## Entropy_area.W.PET	0.8187971931	0.901804374	0.922748095
## Min_hist.ADC	0.1559763523	0.332524534	0.155057697
## Max_hist.ADC	0.7822627518	0.869245194	0.767498098
## Mean_hist.ADC	0.7123624162	0.867604516	0.676766339
## Variance_hist.ADC	0.4659115278	0.478334499	0.448005475
## Standard_Deviation_hist.ADC	0.6626610176	0.741738295	0.669555392
## Skewness_hist.ADC	0.0702526425	0.180099053	0.219454568
## Kurtosis_hist.ADC	0.1590312017	0.238790097	0.193631451
## Energy_hist.ADC	0.1915167319	0.418014936	0.316096130
## Entropy_hist.ADC	0.8191594520	0.928161059	0.872187850
## AUC_hist.ADC	0.7420298702	0.943884912	0.841335574
## Volume.ADC	0.4173115216	0.289424149	0.455011697
## X3D_surface.ADC	0.4768466075	0.400377958	0.519585693
## ratio_3ds_vol.ADC	0.3402103718	0.659940732	0.417314445

## ratio_3ds_vol_norm.ADC	0.7371379839	0.920837004	0.822342567
## irregularity.ADC	0.6991822759	0.944951818	0.776014960
## Compactness_v1.ADC	0.4216927632	0.655035433	0.529435186
##	SENT_cooc.H.PET	ASM_cooc.H.PET	Contrast_cooc.H.PET
## Failure	0.007828223	0.1235224357	0.037890490
## Entropy_cooc.W.ADC	0.093559844	-0.0463081806	-0.061260817
## GLNU_align.H.PET	0.061184095	-0.0114766628	-0.122265126
## Min_hist.PET	0.608416234	-0.3198282932	0.674853453
## Max_hist.PET	0.626652503	-0.3342297841	0.614649932
## Mean_hist.PET	0.625060464	-0.3500576239	0.682919720
## Variance_hist.PET	0.485176919	-0.3786526596	0.391704926
## Standard_Deviation_hist.PET	0.675389352	-0.3511995249	0.647182355
## Skewness_hist.PET	0.319719865	0.3380562358	0.212486599
## Kurtosis_hist.PET	0.064581857	0.1886572396	-0.028850560
## Energy_hist.PET	0.568312331	0.5310851837	0.330333990
## Entropy_hist.PET	0.590718570	0.1102546267	0.674179455
## AUC_hist.PET	0.696334136	0.3233502204	0.766492003
## H_suv.PET	0.733363541	-0.2927643136	0.778079539
## Volume.PET	0.034464159	-0.1712533438	0.265786403
## X3D_surface.PET	0.294546480	-0.0797543844	0.078195556
## ratio_3ds_vol.PET	0.652264938	0.5306161439	0.388591763
## ratio_3ds_vol_norm.PET	0.775932052	0.3554532103	0.301954716
## irregularity.PET	0.647636748	0.3843334788	0.736176919
## tumor_length.PET	0.589129122	0.0715746096	0.364685044
## Compactness_v1.PET	0.480634586	0.4281235087	0.435556288
## Compactness_v2.PET	-0.283402982	-0.1872451430	0.245513482
## Spherical_disproportion.PET	0.775932052	0.3554532103	0.301954716
## Sphericity.PET	-0.329892707	-0.2405653516	0.267413414
## Asphericity.PET	0.767855651	0.3528993629	0.281872563
## Center_of_mass.PET	0.385735713	-0.0026851656	0.104580105
## Max_3D_diam.PET	0.113987447	-0.1863198701	0.334348934
## Major_axis_length.PET	0.267566220	-0.1329368369	0.373680360
## Minor_axis_length.PET	0.441749131	-0.0477727082	0.456778116
## Least_axis_length.PET	0.335041264	-0.1410369916	0.382229737
## Elongation.PET	0.665041090	0.2870616747	0.679820484
## Flatness.PET	0.596125376	0.1783704415	0.617093828
## Max_cooc.L.PET	0.590149627	0.5402643792	0.318114767
## Average_cooc.L.PET	0.587532577	0.2347400667	0.779711130
## Variance_cooc.L.PET	0.471141011	0.2984644655	0.601106447
## Entropy_cooc.L.PET	0.676982083	0.2175674410	0.808666373
## DAVE_cooc.L.PET	0.549285456	0.2502822964	0.794278135
## DVAR_cooc.L.PET	0.550561770	0.2267418993	0.732433269
## DENT_cooc.L.PET	0.673779187	0.2788490338	0.836975489
## SAVE_cooc.L.PET	0.587058081	0.2342329214	0.779658242
## SVAR_cooc.L.PET	0.461336013	0.3346887046	0.498736517
## SENT_cooc.L.PET	0.757533731	0.3308890092	0.769001438
## ASM_cooc.L.PET	0.587529664	0.4989713398	0.311324778
## Contrast_cooc.L.PET	0.423152318	0.2006310903	0.682729857
## Dissimilarity_cooc.L.PET	0.549285456	0.2502822964	0.794278135
## Inv_diff_cooc.L.PET	0.640811698	0.3029532646	0.523575625
## Inv_diff_norm_cooc.L.PET	0.689436009	0.2927597381	0.748846854
## IDM_cooc.L.PET	0.612927927	0.3176749934	0.428352506
## IDM_norm_cooc.L.PET	0.691374254	0.2943160299	0.764949053
## Inv_var_cooc.L.PET	0.612483396	0.3201578226	0.430935289

## Correlation_cooc.L.PET	0.440713500	0.2803090236	0.164837033
## Autocorrelation_cooc.L.PET	0.450815424	0.2323682702	0.611762249
## Tendency_cooc.L.PET	0.461336013	0.3346887046	0.498736517
## Shade_cooc.L.PET	0.205822155	0.2826149869	0.008747212
## Prominence_cooc.L.PET	0.326844457	0.3612728870	0.264624824
## IC1_.L.PET	-0.115858902	-0.2825224214	-0.207179025
## IC2_.L.PET	0.667470888	0.4290118764	0.655194158
## Coarseness_vdif_.L.PET	0.539313428	0.5971111096	0.347542345
## Contrast_vdif_.L.PET	0.158465058	0.1920323604	0.319049802
## Busyness_vdif_.L.PET	0.120807119	-0.1623128053	0.193263292
## Complexity_vdif_.L.PET	0.588708987	0.2558096827	0.763344764
## Strength_vdif_.L.PET	0.181807308	0.4812627058	0.150168181
## SRE_align.L.PET	0.695619256	0.3016510923	0.791942046
## LRE_align.L.PET	0.690619515	0.2779609868	0.751372013
## GLNU_align.L.PET	0.159723087	-0.1654835198	0.112415665
## RLNU_align.L.PET	0.143554304	-0.2194425587	0.135453491
## RP_align.L.PET	0.695709703	0.3026143202	0.793892798
## LGRE_align.L.PET	0.552095927	0.4303197727	0.331881743
## HGRE_align.L.PET	0.464468032	0.2340607519	0.670883738
## LGSRE_align.L.PET	0.559761792	0.4319869267	0.340791003
## HGSRE_align.L.PET	0.462841618	0.2366545011	0.671541607
## LGHRE_align.L.PET	0.519936515	0.4211475061	0.294786153
## HGLRE_align.L.PET	0.470295223	0.2220751019	0.666277693
## GLNU_norm_align.L.PET	0.650366710	0.5271111759	0.444954636
## RLNU_norm_align.L.PET	0.696195899	0.3058363158	0.800532175
## GLVAR_align.L.PET	0.497334050	0.2724579024	0.644063002
## RLVAR_align.L.PET	0.646892858	0.3807375571	0.366361785
## Entropy_align.L.PET	0.682996365	0.2327865812	0.803679281
## SZSE.L.PET	0.673633458	0.3095371985	0.786826906
## LZSE.L.PET	0.524424427	0.1389911119	0.471700491
## LGLZE.L.PET	0.563509026	0.4258363098	0.348034376
## HGLZE.L.PET	0.472881568	0.2337929686	0.680848605
## SZLGE.L.PET	0.576334333	0.4339930656	0.372956899
## SZHGE.L.PET	0.463630789	0.2420339892	0.682462254
## LZLGE.L.PET	0.432940004	0.3553623921	0.187863603
## LZHGE.L.PET	0.419785505	0.1422771519	0.526396484
## GLNU_area.L.PET	0.152717570	-0.1692306792	0.119944663
## ZSNU.L.PET	0.132048079	-0.2232095088	0.149213121
## ZSP.L.PET	0.675622385	0.3142716602	0.798932289
## GLNU_norm.L.PET	0.651824254	0.5242748167	0.446419222
## ZSNU_norm.L.PET	0.685191483	0.3154501341	0.811900295
## GLVAR_area.L.PET	0.510081557	0.2737732875	0.657298289
## ZSVAR.L.PET	0.448406384	0.0911332127	0.206259134
## Entropy_area.L.PET	0.685902152	0.2246260460	0.793719482
## Max_cooc.H.PET	-0.039408297	0.9674289737	-0.111999669
## Average_cooc.H.PET	0.586294726	0.4484352311	0.687256335
## Variance_cooc.H.PET	0.755267799	-0.1117059278	0.891024548
## Entropy_cooc.H.PET	0.658808550	-0.0141696909	0.769773776
## DAVE_cooc.H.PET	0.726371477	-0.0381832072	0.978806586
## DVAR_cooc.H.PET	0.664976836	0.0485314639	0.973378915
## DENT_cooc.H.PET	0.558571646	-0.0490175979	0.682994837
## SAVE_cooc.H.PET	0.629024387	0.3368333378	0.724388730
## SVAR_cooc.H.PET	0.721596691	-0.0050998709	0.730906930
## SENT_cooc.H.PET	1.000000000	0.0133692541	0.679764359

## ASM_cooc.H.PET	0.013369254	1.0000000000	-0.077387882
## Contrast_cooc.H.PET	0.679764359	-0.0773878818	1.000000000
## Dissimilarity_cooc.H.PET	0.726371477	-0.0381832072	0.978806586
## Inv_diff_cooc.H.PET	0.233863940	0.8237027223	0.190578670
## Inv_diff_norm_cooc.H.PET	0.670889168	0.3577300071	0.729865390
## IDM_cooc.H.PET	0.132256876	0.8634614881	0.082397272
## IDM_norm_cooc.H.PET	0.684676206	0.3222893054	0.754174223
## Inv_var_cooc_.H.PET	0.778426867	0.2853658266	0.458589056
## Correlation_cooc.H.PET	0.490893107	0.2031644523	0.206628842
## Autocorrelation_cooc.H.PET	0.489595632	0.5812018998	0.559290282
## Tendency_cooc.H.PET	0.728476490	-0.1203375020	0.752493531
## Shade_cooc.H.PET	-0.471213617	0.2178332059	-0.527463934
## Prominence_cooc.H.PET	0.653352895	-0.3006828386	0.643123146
## IC1_d.H.PET	0.159958949	-0.0850065479	0.307649291
## IC2_d.H.PET	0.606255336	0.1856540111	0.373984909
## Coarseness_vdif.H.PET	0.588241263	0.5236171505	0.315090127
## Contrast_vdif.H.PET	-0.041752823	0.5875007107	0.158088520
## Busyness_vdif.H.PET	-0.331614132	-0.2106341405	0.109252100
## Complexity_vdif.H.PET	0.868728979	0.2335828589	0.714464995
## Strength_vdif.H.PET	-0.068222850	0.6218647526	-0.100506953
## SRE_align.H.PET	0.762025824	0.1265018658	0.866954868
## LRE_align.H.PET	0.196554819	0.7194545897	0.192334164
## RLNU_align.H.PET	0.176178759	-0.2531409940	0.175183710
## RP_align.H.PET	0.771628644	0.0984778304	0.881378942
## LGRE_align.H.PET	0.623999756	0.4537899664	0.353406384
## HGRE_align.H.PET	0.482661542	0.5933750812	0.588377550
## LGSRE_align.H.PET	0.622566735	0.4540543897	0.352020208
## HGSRE_align.H.PET	0.602416201	0.4022757921	0.736152067
## LGHRE_align.H.PET	0.628310514	0.4588265296	0.355739335
## HGLRE_align.H.PET	0.015966670	0.8221386456	0.002660413
## GLNU_norm_align.H.PET	0.086455268	0.8963907742	0.091845232
## RLNU_norm_align.H.PET	0.793415601	-0.0097584127	0.908168886
## GLVAR_align.H.PET	0.740558868	-0.1470346653	0.869094253
## RLVAR_align.H.PET	-0.074251252	0.7151161378	-0.164649995
## Entropy_align.H.PET	0.748606826	-0.0192411360	0.799781741
## SZSE.H.PET	0.770868257	-0.0499092739	0.861604609
## LZSE.H.PET	-0.148924390	0.3420369854	-0.237460403
## LGLZE.H.PET	0.626983235	0.4501238739	0.355828986
## HGLZE.H.PET	0.490186823	0.4791971958	0.527484442
## SZLGE.H.PET	0.621513245	0.4537700477	0.350154000
## SZHGE.H.PET	0.612613339	0.1546140887	0.727154143
## LZLGE.H.PET	-0.086506983	0.4049543675	-0.218186259
## LZHGE.H.PET	-0.175878065	0.4841783102	-0.253541520
## GLNU_area.H.PET	0.121864434	-0.2130418678	0.175544829
## ZSNU.H.PET	0.171496601	-0.2766139035	0.199007555
## ZSP.H.PET	0.724660994	-0.2706621444	0.844095463
## GLNU_norm.H.PET	0.109843017	0.8236253424	0.124257582
## ZSNU_norm.H.PET	0.765762769	-0.1983213775	0.837512948
## GLVAR_area.H.PET	0.734162773	-0.1621929245	0.860850732
## ZSVAR_H.PET	-0.163728770	0.3916569767	-0.247532903
## Entropy_area.H.PET	0.704188901	0.1050335345	0.768043338
## Max_cooc.W.PET	0.139220033	0.9705276961	0.002972449
## Average_cooc.W.PET	0.639552614	-0.3539878844	0.668329716
## Variance_cooc.W.PET	0.495138827	-0.3703890432	0.387367841

## Entropy_cooc.W.PET	0.767197159	-0.1370600433	0.852436531
## DAVE_cooc.W.PET	0.682633152	-0.3482718787	0.766426324
## DVAR_cooc.W.PET	0.509624999	-0.3828305333	0.517034672
## DENT_cooc.W.PET	0.778669844	-0.1384956010	0.877574821
## SAVE_cooc.W.PET	0.638496121	-0.3550729325	0.667849940
## SVAR_cooc.W.PET	0.467446945	-0.3491283302	0.306905006
## SENT_cooc.W.PET	0.865376563	-0.0225537807	0.821254670
## ASM_cooc.W.PET	0.290429328	0.9053094771	0.095486780
## Contrast_cooc.W.PET	0.522689210	-0.3935957121	0.563065913
## Dissimilarity_cooc.W.PET	0.682633152	-0.3482718787	0.766426324
## Inv_diff_cooc.W.PET	0.302229611	0.7432856130	0.312988251
## Inv_diff_norm_cooc.W.PET	0.686689051	0.3014373378	0.746618094
## IDM_cooc.W.PET	0.168376854	0.8170972545	0.155127219
## IDM_norm_cooc.W.PET	0.691020576	0.2960125657	0.765130010
## Inv_var_cooc.W.PET	0.246452902	0.7303305751	0.244325640
## Correlation_cooc.W.PET	0.448855353	0.2609804290	0.170554171
## Autocorrelation_cooc.W.PET	0.449308858	-0.3885127536	0.408158835
## Tendency_cooc.W.PET	0.467446945	-0.3491283302	0.306905006
## Shade_cooc.W.PET	0.226765810	-0.1586046712	-0.007514033
## Prominence_cooc.W.PET	0.189902173	-0.1673697738	-0.012565342
## IC1_d.W.PET	0.091551798	0.0047720637	0.216882076
## IC2_d.W.PET	0.701710123	0.2076441115	0.512399894
## Coarseness_vdif.W.PET	0.464283399	0.6137003602	0.334079816
## Contrast_vdif.W.PET	0.687101802	-0.2112417201	0.756164449
## Busyness_vdif.W.PET	-0.243481908	0.4335384990	-0.144123438
## Complexity_vdif.W.PET	0.357462484	-0.2921844394	0.234332035
## Strength_vdif.W.PET	0.461416826	-0.0939166991	0.238355404
## SRE_align.W.PET	0.732745763	0.2137219264	0.829712733
## LRE_align.W.PET	0.438478369	0.6097713667	0.474895061
## GLNU_align.W.PET	0.037894645	-0.0568864135	0.049630560
## RLNU_align.W.PET	0.164251066	-0.2367980949	0.153946825
## RP_align.W.PET	0.742189064	0.1902933956	0.841876441
## LGRE_align.W.PET	0.107516362	0.8222439755	0.059177849
## HGRE_align.W.PET	0.442488899	-0.3930783022	0.423177878
## LGSRE_align.W.PET	0.154192847	0.7865431558	0.109590855
## HGSRE_align.W.PET	0.440518585	-0.3942181191	0.422313841
## LGHRE_align.W.PET	-0.055480151	0.8968652651	-0.124738144
## HGLRE_align.W.PET	0.449358695	-0.3866264724	0.423995403
## GLNU_norm_align.W.PET	0.148535924	0.9276702897	0.110364021
## RLNU_norm_align.W.PET	0.767992334	0.1147322804	0.870733216
## GLVAR_align.W.PET	0.483215103	-0.3791793044	0.390463340
## RLVAR_align.W.PET	0.015870998	0.8013064301	-0.095849064
## Entropy_align.W.PET	0.754269108	-0.0362213462	0.823379876
## SZSE.W.PET	0.743402171	0.1137597001	0.856405743
## LZSE.W.PET	-0.137353191	0.7107115839	-0.202486981
## LGLZE.W.PET	0.134636538	0.8093366303	0.091311185
## HGLZE.W.PET	0.446543670	-0.3931858137	0.422298893
## SZLGE.W.PET	0.255111406	0.7374954258	0.213707110
## SZHGE.W.PET	0.435806048	-0.3918445504	0.415801419
## LZLGE.W.PET	-0.194309707	0.6808403802	-0.281473394
## LZHGE.W.PET	0.418080207	-0.2247032671	0.318743581
## GLNU_area.W.PET	0.075691000	-0.1312252995	0.111684023
## ZSNU.W.PET	0.168755062	-0.2571628643	0.178858591
## ZSP.W.PET	0.764884340	-0.0621845655	0.888300224

## GLNU_norm.W.PET	0.167685434	0.8937560762	0.137806663
## ZSNU_norm.W.PET	0.774022880	-0.0472978358	0.886011279
## GLVAR_area.W.PET	0.488515333	-0.3756623872	0.391101330
## ZSVAR.W.PET	-0.181835400	0.6618944630	-0.248133193
## Entropy_area.W.PET	0.731744870	0.0625045088	0.791523148
## Min_hist.ADC	0.152223261	0.2805167639	0.254326426
## Max_hist.ADC	0.553506523	0.2359075669	0.666223794
## Mean_hist.ADC	0.533043225	0.2895696984	0.668350214
## Variance_hist.ADC	0.274271289	0.2039073523	0.278375192
## Standard_Deviation_hist.ADC	0.467291201	0.2463897577	0.521857306
## Skewness_hist.ADC	0.153141190	0.0791227603	0.162610048
## Kurtosis_hist.ADC	0.299168393	0.0111847062	0.154937934
## Energy_hist.ADC	0.585823628	0.5137983603	0.328544932
## Entropy_hist.ADC	0.676668743	0.1982840111	0.738897838
## AUC_hist.ADC	0.683722488	0.2713848959	0.785136311
## Volume.ADC	0.018959077	-0.1649390310	0.252695195
## X3D_surface.ADC	0.252128044	-0.0455987825	0.320136895
## ratio_3ds_vol.ADC	0.447817724	0.4152636194	0.535538781
## ratio_3ds_vol_norm.ADC	0.607140343	0.2136398152	0.741996255
## irregularity.ADC	0.660881555	0.3235795880	0.787500445
## Compactness_v1.ADC	0.706344721	0.5087241042	0.518958631
##	Dissimilarity_cooc.H.PET	Inv_diff_cooc.H.PET	
## Failure	0.015700024	0.057886980	
## Entropy_cooc.W.ADC	-0.031737618	0.044175662	
## GLNU_align.H.PET	-0.106021135	0.025624937	
## Min_hist.PET	0.686844846	-0.115347541	
## Max_hist.PET	0.646835912	-0.082345590	
## Mean_hist.PET	0.690417041	-0.134246101	
## Variance_hist.PET	0.389563145	-0.271291828	
## Standard_Deviation_hist.PET	0.667205227	-0.120026595	
## Skewness_hist.PET	0.327631281	0.517026366	
## Kurtosis_hist.PET	0.028072137	0.234161820	
## Energy_hist.PET	0.356299517	0.473785527	
## Entropy_hist.PET	0.765988087	0.522240107	
## AUC_hist.PET	0.863544199	0.691789284	
## H_suv.PET	0.763509093	-0.113034611	
## Volume.PET	0.305414947	0.080580232	
## X3D_surface.PET	0.136040115	0.090538522	
## ratio_3ds_vol.PET	0.446670413	0.576128827	
## ratio_3ds_vol_norm.PET	0.396688091	0.525795745	
## irregularity.PET	0.831324858	0.714129947	
## tumor_length.PET	0.458267001	0.369295907	
## Compactness_v1.PET	0.470152171	0.463555842	
## Compactness_v2.PET	0.262209487	-0.009940518	
## Spherical_disproportion.PET	0.396688091	0.525795745	
## Sphericity.PET	0.279511968	-0.028839876	
## Asphericity.PET	0.375210652	0.513638552	
## Center_of_mass.PET	0.202271359	0.229758619	
## Max_3D_diam.PET	0.400690247	0.144010941	
## Major_axis_length.PET	0.440732506	0.178152951	
## Minor_axis_length.PET	0.549991522	0.343798534	
## Least_axis_length.PET	0.466376315	0.237581060	
## Elongation.PET	0.761675098	0.620511416	
## Flatness.PET	0.700893165	0.532641668	

## Max_cooc.L.PET	0.353434072	0.500420225
## Average_cooc.L.PET	0.809060473	0.505446773
## Variance_cooc.L.PET	0.636653333	0.450060970
## Entropy_cooc.L.PET	0.892580515	0.612903096
## DAVE_cooc.L.PET	0.812243957	0.435589254
## DVAR_cooc.L.PET	0.744030850	0.349349149
## DENT_cooc.L.PET	0.908766270	0.617703173
## SAVE_cooc.L.PET	0.808986280	0.505107967
## SVAR_cooc.L.PET	0.563104062	0.527033102
## SENT_cooc.L.PET	0.857999294	0.681798799
## ASM_cooc.L.PET	0.341701882	0.459476725
## Contrast_cooc.L.PET	0.667714293	0.267134046
## Dissimilarity_cooc.L.PET	0.812243957	0.435589254
## Inv_diff_cooc.L.PET	0.642651486	0.655185508
## Inv_diff_norm_cooc.L.PET	0.851727988	0.684365297
## IDM_cooc.L.PET	0.544254062	0.620863372
## IDM_norm_cooc.L.PET	0.864460402	0.681965036
## Inv_var_cooc.L.PET	0.547479933	0.622700809
## Correlation_cooc.L.PET	0.321876144	0.651178807
## Autocorrelation_cooc.L.PET	0.617751284	0.410467696
## Tendency_cooc.L.PET	0.563104062	0.527033102
## Shade_cooc.L.PET	0.113198657	0.370966863
## Prominence_cooc.L.PET	0.334553131	0.461493523
## IC1_.L.PET	-0.256315079	-0.394178659
## IC2_.L.PET	0.747345967	0.715193646
## Coarseness_vdif_.L.PET	0.373927339	0.547092617
## Contrast_vdif_.L.PET	0.309428674	0.153911963
## Busyness_vdif_.L.PET	0.255457278	0.082857894
## Complexity_vdif_.L.PET	0.781693449	0.398957805
## Strength_vdif_.L.PET	0.190920712	0.415869459
## SRE_align.L.PET	0.884380536	0.674187317
## LRE_align.L.PET	0.853913974	0.675003234
## GLNU_align.L.PET	0.179058008	0.065019003
## RLNU_align.L.PET	0.186796473	0.004358502
## RP_align.L.PET	0.885650175	0.673840143
## LGRE_align.L.PET	0.441903526	0.561650274
## HGRE_align.L.PET	0.665728411	0.402983156
## LGSRE_align.L.PET	0.449801820	0.562874739
## HGSRE_align.L.PET	0.665804525	0.402025936
## LGHRE_align.L.PET	0.408119456	0.554012804
## HGLRE_align.L.PET	0.663525380	0.405245860
## GLNU_norm_align.L.PET	0.520371986	0.625855222
## RLNU_norm_align.L.PET	0.889712196	0.671647050
## GLVAR_align.L.PET	0.674695550	0.450337369
## RLVAR_align.L.PET	0.454945769	0.561722998
## Entropy_align.L.PET	0.889016582	0.628019199
## SZSE.L.PET	0.873209451	0.655796148
## LZSE.L.PET	0.560885629	0.480120915
## LGLZE.L.PET	0.457999659	0.566921532
## HGLZE.L.PET	0.676449605	0.405636348
## SZLGE.L.PET	0.478530773	0.568440521
## SZHGE.L.PET	0.676607079	0.399334895
## LZLGE.L.PET	0.299474615	0.489392904
## LZHGE.L.PET	0.531174817	0.337565072

## GLNU_area.L.PET	0.184922608	0.060242450
## ZSNU.L.PET	0.196884950	-0.002980073
## ZSP.L.PET	0.883472383	0.660920337
## GLNU_norm.L.PET	0.521591757	0.625077837
## ZSNU_norm.L.PET	0.893040133	0.659432280
## GLVAR_area.L.PET	0.687389273	0.454238630
## ZSVAR.L.PET	0.294216234	0.339561148
## Entropy_area.L.PET	0.882748673	0.628096700
## Max_cooc.H.PET	-0.051380017	0.857906427
## Average_cooc.H.PET	0.790917648	0.794567149
## Variance_cooc.H.PET	0.929942513	0.273308753
## Entropy_cooc.H.PET	0.840340894	0.324084342
## DAVE_cooc.H.PET	1.000000000	0.299605411
## DVAR_cooc.H.PET	0.969970484	0.355806944
## DENT_cooc.H.PET	0.760582813	0.325928741
## SAVE_cooc.H.PET	0.827267632	0.723924384
## SVAR_cooc.H.PET	0.803759188	0.398564236
## SENT_cooc.H.PET	0.726371477	0.233863940
## ASM_cooc.H.PET	-0.038183207	0.823702722
## Contrast_cooc.H.PET	0.978806586	0.190578670
## Dissimilarity_cooc.H.PET	1.000000000	0.299605411
## Inv_diff_cooc.H.PET	0.299605411	1.000000000
## Inv_diff_norm_cooc.H.PET	0.834621617	0.730914581
## IDM_cooc.H.PET	0.183181626	0.990489271
## IDM_norm_cooc.H.PET	0.856104610	0.701801348
## Inv_var_cooc.H.PET	0.515651229	0.366486077
## Correlation_cooc.H.PET	0.361052534	0.587513049
## Autocorrelation_cooc.H.PET	0.670614309	0.878701101
## Tendency_cooc.H.PET	0.820400718	0.293507965
## Shade_cooc.H.PET	-0.524644630	-0.021189996
## Prominence_cooc.H.PET	0.679401549	0.030749201
## IC1_d.H.PET	0.196655812	-0.353796585
## IC2_d.H.PET	0.521249576	0.597122639
## Coarseness_vdif.H.PET	0.340422572	0.453931514
## Contrast_vdif.H.PET	0.155914084	0.609220740
## Busyness_vdif.H.PET	0.129097413	-0.015232335
## Complexity_vdif.H.PET	0.720555146	0.372928057
## Strength_vdif.H.PET	-0.111986043	0.275705958
## SRE_align.H.PET	0.945032450	0.497752613
## LRE_align.H.PET	0.289940179	0.928148825
## RLNU_align.H.PET	0.217917505	-0.051765927
## RP_align.H.PET	0.953536954	0.459650198
## LGRE_align.H.PET	0.378619521	0.425626326
## HGRE_align.H.PET	0.689284566	0.874168759
## LGSRE_align.H.PET	0.376842582	0.424114774
## HGSRE_align.H.PET	0.829627511	0.717851366
## LGHRE_align.H.PET	0.383829388	0.441282673
## HGLRE_align.H.PET	0.073194824	0.893152983
## GLNU_norm_align.H.PET	0.175486344	0.936604045
## RLNU_norm_align.H.PET	0.964038823	0.329073339
## GLVAR_align.H.PET	0.903740519	0.232916781
## RLVAR_align.H.PET	-0.090006733	0.808224872
## Entropy_align.H.PET	0.874520476	0.379917789
## SZSE.H.PET	0.913699278	0.269238598

## LZSE.H.PET	-0.231865929	0.271395090
## LGLZE.H.PET	0.380554895	0.423069248
## HGLZE.H.PET	0.640691194	0.772306977
## SZLGE.H.PET	0.374243143	0.421729904
## SZHGE.H.PET	0.799194922	0.430283446
## LZLGE.H.PET	-0.203776411	0.379247065
## LZHGE.H.PET	-0.254720406	0.353544775
## GLNU_area.H.PET	0.230770981	0.030771984
## ZSNU.H.PET	0.224884517	-0.118521205
## ZSP.H.PET	0.854792163	-0.031134516
## GLNU_norm.H.PET	0.207412439	0.923343827
## ZSNU_norm.H.PET	0.861192183	0.061541270
## GLVAR_area.H.PET	0.891167404	0.209238859
## ZSVAR_H.PET	-0.244418021	0.314723798
## Entropy_area.H.PET	0.860734944	0.526805506
## Max_cooc.W.PET	0.044653097	0.791667269
## Average_cooc.W.PET	0.673408962	-0.126141028
## Variance_cooc.W.PET	0.387452849	-0.267612925
## Entropy_cooc.W.PET	0.910415422	0.237586442
## DAVE_cooc.W.PET	0.756145541	-0.150500145
## DVAR_cooc.W.PET	0.487804598	-0.293116787
## DENT_cooc.W.PET	0.925138476	0.200750406
## SAVE_cooc.W.PET	0.672874524	-0.127082265
## SVAR_cooc.W.PET	0.321870370	-0.242737724
## SENT_cooc.W.PET	0.895585881	0.347547620
## ASM_cooc.W.PET	0.127926039	0.733100274
## Contrast_cooc.W.PET	0.524147273	-0.309404911
## Dissimilarity_cooc.W.PET	0.756145541	-0.150500145
## Inv_diff_cooc.W.PET	0.423186212	0.982369823
## Inv_diff_norm_cooc.W.PET	0.849570306	0.690790066
## IDM_cooc.W.PET	0.257115494	0.988651336
## IDM_norm_cooc.W.PET	0.864583314	0.683017631
## Inv_var_cooc.W.PET	0.354192865	0.971506477
## Correlation_cooc.W.PET	0.327366971	0.636468866
## Autocorrelation_cooc.W.PET	0.396921194	-0.274962685
## Tendency_cooc.W.PET	0.321870370	-0.242737724
## Shade_cooc.W.PET	0.023038090	-0.127826898
## Prominence_cooc.W.PET	0.005430633	-0.152455484
## IC1_d.W.PET	0.119573830	-0.259383409
## IC2_d.W.PET	0.638685310	0.593800350
## Coarseness_vdif.W.PET	0.353015117	0.542478177
## Contrast_vdif.W.PET	0.720064859	-0.125183445
## Busyness_vdif.W.PET	-0.060030054	0.601453015
## Complexity_vdif.W.PET	0.238586036	-0.216223992
## Strength_vdif.W.PET	0.276940456	-0.035633374
## SRE_align.W.PET	0.917361030	0.592496733
## LRE_align.W.PET	0.581142664	0.921082599
## GLNU_align.W.PET	0.125183974	0.212288109
## RLNU_align.W.PET	0.201978951	-0.024714151
## RP_align.W.PET	0.926728383	0.566800924
## LGRE_align.W.PET	0.162323836	0.874580683
## HGRE_align.W.PET	0.408018628	-0.279560888
## LGSRE_align.W.PET	0.215739290	0.864667259
## HGSRE_align.W.PET	0.406142750	-0.284497778

## LGHRE_align.W.PET	-0.040845929	0.849151144
## HGLRE_align.W.PET	0.413241851	-0.256384479
## GLNU_norm_align.W.PET	0.187082701	0.920851851
## RLNU_norm_align.W.PET	0.947353668	0.485600509
## GLVAR_align.W.PET	0.388600868	-0.270829979
## RLVAR_align.W.PET	-0.020453495	0.870288994
## Entropy_align.W.PET	0.894756600	0.360317197
## SZSE.W.PET	0.927621031	0.458789743
## LZSE.W.PET	-0.175700586	0.643091720
## LGLZE.W.PET	0.192243166	0.892788166
## HGLZE.W.PET	0.409108708	-0.278145628
## SZLGE.W.PET	0.313589539	0.853153545
## SZHGE.W.PET	0.400730212	-0.288103548
## LZLGE.W.PET	-0.266754831	0.471513340
## LZHGE.W.PET	0.328507661	-0.036383207
## GLNU_area.W.PET	0.179710599	0.133786887
## ZSNU.W.PET	0.216821857	-0.071675415
## ZSP.W.PET	0.941073727	0.269283778
## GLNU_norm.W.PET	0.214338608	0.931694811
## ZSNU_norm.W.PET	0.935458065	0.270492761
## GLVAR_area.W.PET	0.390173197	-0.265864883
## ZSVAR.W.PET	-0.235624298	0.554461200
## Entropy_area.W.PET	0.877687581	0.476084334
## Min_hist.ADC	0.274426047	0.328311055
## Max_hist.ADC	0.758630188	0.599264774
## Mean_hist.ADC	0.755786661	0.618703854
## Variance_hist.ADC	0.336113114	0.383367756
## Standard_Deviation_hist.ADC	0.601319189	0.536944739
## Skewness_hist.ADC	0.181897209	0.157778925
## Kurtosis_hist.ADC	0.207820623	0.143862605
## Energy_hist.ADC	0.356533084	0.473795608
## Entropy_hist.ADC	0.836823014	0.601843657
## AUC_hist.ADC	0.872072889	0.639070851
## Volume.ADC	0.294118449	0.076465182
## X3D_surface.ADC	0.374820409	0.197910591
## ratio_3ds_vol.ADC	0.576338979	0.553109032
## ratio_3ds_vol_norm.ADC	0.835140640	0.602470574
## irregularity.ADC	0.864831671	0.657311904
## Compactness_v1.ADC	0.572445503	0.601624457
##	Inv_diff_norm_cooc.H.PET	IDM_cooc.H.PET
## Failure	0.0008355659	0.069747276
## Entropy_cooc.W.ADC	0.0356553883	0.039061031
## GLNU_align.H.PET	-0.0289187139	0.030450149
## Min_hist.PET	0.4856593374	-0.233503207
## Max_hist.PET	0.5111573478	-0.205639433
## Mean_hist.PET	0.4856301254	-0.256516056
## Variance_hist.PET	0.2315479731	-0.368779856
## Standard_Deviation_hist.PET	0.4992706588	-0.245904269
## Skewness_hist.PET	0.5607395528	0.473562785
## Kurtosis_hist.PET	0.1716302862	0.231063839
## Energy_hist.PET	0.4591597106	0.451618757
## Entropy_hist.PET	0.8672015361	0.419047251
## AUC_hist.PET	0.9941237897	0.589951780
## H_suv.PET	0.5118379280	-0.233037047

## Volume.PET	0.3202285084	0.021227086
## X3D_surface.PET	0.2316702302	0.047223590
## ratio_3ds_vol.PET	0.5865997729	0.543587886
## ratio_3ds_vol_norm.PET	0.6064040115	0.473489727
## irregularity.PET	0.9691698918	0.621432526
## tumor_length.PET	0.6133291718	0.288519023
## Compactness_v1.PET	0.5610333266	0.416524393
## Compactness_v2.PET	0.2168544227	-0.058872815
## Spherical_disproportion.PET	0.6064040115	0.473489727
## Sphericity.PET	0.2122203846	-0.078087090
## Asphericity.PET	0.5850424630	0.463808571
## Center_of_mass.PET	0.3916486622	0.168677723
## Max_3D_diam.PET	0.4571294853	0.062316163
## Major_axis_length.PET	0.5021693152	0.092074476
## Minor_axis_length.PET	0.6606447563	0.252130032
## Least_axis_length.PET	0.5575953568	0.149593985
## Elongation.PET	0.8549297184	0.541971094
## Flatness.PET	0.7914431345	0.451290292
## Max_cooc.L.PET	0.4885049238	0.473803887
## Average_cooc.L.PET	0.7935033435	0.423421230
## Variance_cooc.L.PET	0.6339841073	0.394208286
## Entropy_cooc.L.PET	0.9705629491	0.505381095
## DAVE_cooc.L.PET	0.7300080674	0.361787293
## DVAR_cooc.L.PET	0.6414646423	0.281081220
## DENT_cooc.L.PET	0.9569513647	0.516697140
## SAVE_cooc.L.PET	0.7932883171	0.423078383
## SVAR_cooc.L.PET	0.6570578832	0.472615993
## SENT_cooc.L.PET	0.9729099971	0.584098547
## ASM_cooc.L.PET	0.4569555750	0.434010206
## Contrast_cooc.L.PET	0.5119162667	0.216522445
## Dissimilarity_cooc.L.PET	0.7300080674	0.361787293
## Inv_diff_cooc.L.PET	0.8705741693	0.566141834
## Inv_diff_norm_cooc.L.PET	0.9945340735	0.579962184
## IDM_cooc.L.PET	0.7861547532	0.543117396
## IDM_norm_cooc.L.PET	0.9965543233	0.577516616
## Inv_var_cooc.L.PET	0.7907687885	0.544077938
## Correlation_cooc.L.PET	0.7016912860	0.586680224
## Autocorrelation_cooc.L.PET	0.5906609420	0.356469158
## Tendency_cooc.L.PET	0.6570578832	0.472615993
## Shade_cooc.L.PET	0.3532533258	0.343657169
## Prominence_cooc.L.PET	0.4752479919	0.432360945
## IC1_.L.PET	-0.3671624378	-0.377539605
## IC2_.L.PET	0.9068167094	0.634681607
## Coarseness_vdif_.L.PET	0.4962974787	0.528289627
## Contrast_vdif_.L.PET	0.2147838594	0.144403591
## Busyness_vdif_.L.PET	0.3145452007	0.022611885
## Complexity_vdif_.L.PET	0.6882856523	0.329481686
## Strength_vdif_.L.PET	0.3125684010	0.415152199
## SRE_align.L.PET	0.9947921183	0.570427065
## LRE_align.L.PET	0.9910048167	0.570248241
## GLNU_align.L.PET	0.2647320760	0.010466756
## RLNU_align.L.PET	0.2332480871	-0.052273360
## RP_align.L.PET	0.9943414629	0.570259754
## LGRE_align.L.PET	0.6510720719	0.507482465

## HGRE_align.L.PET	0.6069361764	0.346112153
## LGSRE_align.L.PET	0.6553309537	0.508273136
## HGSRE_align.L.PET	0.6051846137	0.345530656
## LGHRE_align.L.PET	0.6306618933	0.501913241
## HGLRE_align.L.PET	0.6122035427	0.346959240
## GLNU_norm_align.L.PET	0.6972750202	0.574270057
## RLNU_norm_align.L.PET	0.9919779378	0.568702607
## GLVAR_align.L.PET	0.6585161255	0.389838522
## RLVAR_align.L.PET	0.6656005070	0.501702696
## Entropy_align.L.PET	0.9767059922	0.520994650
## SZSE.L.PET	0.9717596847	0.554333492
## LZSE.L.PET	0.6967011691	0.405442255
## LGLZE.L.PET	0.6617555384	0.512037260
## HGLZE.L.PET	0.6160707512	0.347374197
## SZLGE.L.PET	0.6692020673	0.513174809
## SZHGE.L.PET	0.6105966092	0.341458222
## LZLGE.L.PET	0.5352581202	0.445227151
## LZHGE.L.PET	0.5070040445	0.288843527
## GLNU_area.L.PET	0.2653826305	0.004926502
## ZSNU.L.PET	0.2326915138	-0.060127343
## ZSP.L.PET	0.9772654066	0.559631292
## GLNU_norm.L.PET	0.6974057816	0.573433815
## ZSNU_norm.L.PET	0.9775651386	0.558639794
## GLVAR_area.L.PET	0.6689362967	0.392230343
## ZSVAR.L.PET	0.4658487006	0.286800244
## Entropy_area.L.PET	0.9784060923	0.520121510
## Max_cooc.H.PET	0.3760448280	0.899035677
## Average_cooc.H.PET	0.9833178666	0.709953634
## Variance_cooc.H.PET	0.8209262931	0.149001462
## Entropy_cooc.H.PET	0.8121464146	0.206239688
## DAVE_cooc.H.PET	0.8346216173	0.183181626
## DVAR_cooc.H.PET	0.8140178149	0.251806056
## DENT_cooc.H.PET	0.7537792231	0.221219439
## SAVE_cooc.H.PET	0.9832076658	0.629126716
## SVAR_cooc.H.PET	0.8290017241	0.285856842
## SENT_cooc.H.PET	0.6708891680	0.132256876
## ASM_cooc.H.PET	0.3577300071	0.863461488
## Contrast_cooc.H.PET	0.7298653904	0.082397272
## Dissimilarity_cooc.H.PET	0.8346216173	0.183181626
## Inv_diff_cooc.H.PET	0.7309145812	0.990489271
## Inv_diff_norm_cooc.H.PET	1.0000000000	0.632221607
## IDM_cooc.H.PET	0.6322216074	1.000000000
## IDM_norm_cooc.H.PET	0.9990351726	0.599781749
## Inv_var_cooc_.H.PET	0.5982289491	0.293527367
## Correlation_cooc.H.PET	0.7025892897	0.513881315
## Autocorrelation_cooc.H.PET	0.9397944633	0.813497757
## Tendency_cooc.H.PET	0.7966935442	0.171601069
## Shade_cooc.H.PET	-0.3845269385	0.049375892
## Prominence_cooc.H.PET	0.5724069747	-0.085081291
## IC1_d.H.PET	-0.1601620447	-0.356600135
## IC2_d.H.PET	0.8073305817	0.506134262
## Coarseness_vdif.H.PET	0.4496806811	0.429029415
## Contrast_vdif.H.PET	0.3153967279	0.639026390
## Busyness_vdif.H.PET	0.1133624490	-0.042006698

## Complexity_vdif.H.PET	0.6388644274	0.308050423
## Strength_vdif.H.PET	0.0523729065	0.297384641
## SRE_align.H.PET	0.9528233026	0.378276441
## LRE_align.H.PET	0.6899775121	0.916575189
## RLNU_align.H.PET	0.2267401319	-0.115449164
## RP_align.H.PET	0.9375151344	0.338098036
## LGRE_align.H.PET	0.4699834943	0.392160944
## HGRE_align.H.PET	0.9425975347	0.807899169
## LGSRE_align.H.PET	0.4675183924	0.390972234
## HGSRE_align.H.PET	0.9675180278	0.626240562
## LGHRE_align.H.PET	0.4840084633	0.406950240
## HGLRE_align.H.PET	0.4995231684	0.913873859
## GLNU_norm_align.H.PET	0.5685725969	0.955354052
## RLNU_norm_align.H.PET	0.8770481924	0.201738332
## GLVAR_align.H.PET	0.7871177622	0.108845782
## RLVAR_align.H.PET	0.3502188806	0.846952753
## Entropy_align.H.PET	0.8818162787	0.252091932
## SZSE.H.PET	0.8238747227	0.141999429
## LZSE.H.PET	-0.0236532616	0.309292616
## LGLZE.H.PET	0.4704086975	0.389100912
## HGLZE.H.PET	0.8895808445	0.699940894
## SZLGE.H.PET	0.4642418183	0.388883561
## SZHGE.H.PET	0.8172277869	0.327230551
## LZLGE.H.PET	0.0463461889	0.418408071
## LZHGE.H.PET	-0.0076745421	0.398573569
## GLNU_area.H.PET	0.2673272181	-0.026268730
## ZSNU.H.PET	0.1909889273	-0.184844670
## ZSP.H.PET	0.6214359224	-0.159527577
## GLNU_norm.H.PET	0.5772962214	0.940373717
## ZSNU_norm.H.PET	0.6814665572	-0.066960935
## GLVAR_area.H.PET	0.7649704477	0.086337119
## ZSVAR_H.PET	-0.0171019706	0.357112107
## Entropy_area.H.PET	0.9388578254	0.409602515
## Max_cooc.W.PET	0.4043265271	0.818194794
## Average_cooc.W.PET	0.4856504265	-0.249089128
## Variance_cooc.W.PET	0.2315558586	-0.364307796
## Entropy_cooc.W.PET	0.8251917933	0.103325400
## DAVE_cooc.W.PET	0.5001535641	-0.274839441
## DVAR_cooc.W.PET	0.2522604849	-0.392935941
## DENT_cooc.W.PET	0.8047967109	0.066862493
## SAVE_cooc.W.PET	0.4848507876	-0.250007431
## SVAR_cooc.W.PET	0.2140430547	-0.334450266
## SENT_cooc.W.PET	0.8734756703	0.218764013
## ASM_cooc.W.PET	0.4312706092	0.747000669
## Contrast_cooc.W.PET	0.2561733388	-0.410478653
## Dissimilarity_cooc.W.PET	0.5001535641	-0.274839441
## Inv_diff_cooc.W.PET	0.7994115765	0.960173569
## Inv_diff_norm_cooc.W.PET	0.9953657307	0.587166341
## IDM_cooc.W.PET	0.6761926304	0.991360604
## IDM_norm_cooc.W.PET	0.9967126131	0.578747381
## Inv_var_cooc.W.PET	0.7388563973	0.960953085
## Correlation_cooc.W.PET	0.6998888908	0.570211823
## Autocorrelation_cooc.W.PET	0.2271616923	-0.371640442
## Tendency_cooc.W.PET	0.2140430547	-0.334450266

## Shade_cooc.W.PET	0.0475290577	-0.168727162
## Prominence_cooc.W.PET	0.0138713479	-0.189988062
## IC1_d.W.PET	-0.1660371797	-0.247566457
## IC2_d.W.PET	0.8635952898	0.493500066
## Coarseness_vdif.W.PET	0.4644864898	0.530744411
## Contrast_vdif.W.PET	0.4303356131	-0.225588875
## Busyness_vdif.W.PET	0.2802150715	0.627819378
## Complexity_vdif.W.PET	0.1536739429	-0.291509422
## Strength_vdif.W.PET	0.2407653901	-0.094986974
## SRE_align.W.PET	0.9813683012	0.480088852
## LRE_align.W.PET	0.9000522005	0.867937423
## GLNU_align.W.PET	0.2815594298	0.178121667
## RLNU_align.W.PET	0.2306221194	-0.085276206
## RP_align.W.PET	0.9746244162	0.452297998
## LGRE_align.W.PET	0.5501958695	0.887779802
## HGRE_align.W.PET	0.2282534977	-0.376571778
## LGSRE_align.W.PET	0.5820746669	0.871218675
## HGSRE_align.W.PET	0.2236487029	-0.381224659
## LGHRE_align.W.PET	0.3985647087	0.884856458
## HGLRE_align.W.PET	0.2468691739	-0.354095734
## GLNU_norm_align.W.PET	0.5687136751	0.936676848
## RLNU_norm_align.W.PET	0.9485917173	0.365248798
## GLVAR_align.W.PET	0.2314910526	-0.368279426
## RLVAR_align.W.PET	0.4257230520	0.902782154
## Entropy_align.W.PET	0.8807217758	0.230985100
## SZSE.W.PET	0.9215757621	0.339288509
## LZSE.W.PET	0.1859193004	0.690416004
## LGLZE.W.PET	0.5735864547	0.904957135
## HGLZE.W.PET	0.2320446338	-0.375921351
## SZLGE.W.PET	0.6377962856	0.848583061
## SZHGE.W.PET	0.2195983763	-0.384754146
## LZLGE.W.PET	0.0515627063	0.519269381
## LZHGE.W.PET	0.2890454795	-0.110294984
## GLNU_area.W.PET	0.2823891334	0.088415909
## ZSNU.W.PET	0.2140165947	-0.135786769
## ZSP.W.PET	0.8368886732	0.140719431
## GLNU_norm.W.PET	0.5868951355	0.946587204
## ZSNU_norm.W.PET	0.8332964111	0.142290541
## GLVAR_area.W.PET	0.2356967714	-0.363478508
## ZSVAR.W.PET	0.0948037522	0.607482246
## Entropy_area.W.PET	0.9272150292	0.353806844
## Min_hist.ADC	0.3420300899	0.306954188
## Max_hist.ADC	0.8789021012	0.506431639
## Mean_hist.ADC	0.8660377283	0.534235508
## Variance_hist.ADC	0.4582295957	0.343179611
## Standard_Deviation_hist.ADC	0.7289502058	0.465142781
## Skewness_hist.ADC	0.2329170849	0.128317121
## Kurtosis_hist.ADC	0.2755735576	0.103336384
## Energy_hist.ADC	0.4698098405	0.448238847
## Entropy_hist.ADC	0.9455593419	0.495667191
## AUC_hist.ADC	0.9702867022	0.534626255
## Volume.ADC	0.3077406442	0.019654703
## X3D_surface.ADC	0.4205942108	0.137405179
## ratio_3ds_vol.ADC	0.6571583699	0.504133477

## ratio_3ds_vol_norm.ADC	0.9328632852	0.500405634
## irregularity.ADC	0.9549407342	0.560668781
## Compactness_v1.ADC	0.7029975849	0.546864814
##	IDM_norm_cooc.H.PET	Inv_var_cooc_.H.PET
## Failure	-0.0008570553	-0.012490714
## Entropy_cooc.W.ADC	0.0327944781	0.029662048
## GLNU_align.H.PET	-0.0341955035	0.059005707
## Min_hist.PET	0.5105377216	0.427899520
## Max_hist.PET	0.5326728685	0.500039989
## Mean_hist.PET	0.5107280208	0.441325213
## Variance_hist.PET	0.2505736356	0.396730680
## Standard_Deviation_hist.PET	0.5225744954	0.518313647
## Skewness_hist.PET	0.5526041040	0.448271503
## Kurtosis_hist.PET	0.1642446662	0.217407407
## Energy_hist.PET	0.4516914463	0.849168070
## Entropy_hist.PET	0.8717015438	0.496622842
## AUC_hist.PET	0.9956567670	0.629842588
## H_suv.PET	0.5385482966	0.538203129
## Volume.PET	0.3261527663	0.020010829
## X3D_surface.PET	0.2312504870	0.265124018
## ratio_3ds_vol.PET	0.5795077799	0.614062331
## ratio_3ds_vol_norm.PET	0.5984927635	0.735174820
## irregularity.PET	0.9691608165	0.570330791
## tumor_length.PET	0.6124408234	0.537368698
## Compactness_v1.PET	0.5570168297	0.855296774
## Compactness_v2.PET	0.2252586122	-0.130533516
## Spherical_disproportion.PET	0.5984927635	0.735174820
## Sphericity.PET	0.2223072186	-0.260625686
## Asphericity.PET	0.5768834204	0.730213381
## Center_of_mass.PET	0.3875149467	0.412824380
## Max_3D_diam.PET	0.4631513006	0.113617077
## Major_axis_length.PET	0.5078196316	0.253635181
## Minor_axis_length.PET	0.6645148333	0.384608189
## Least_axis_length.PET	0.5624611616	0.267977710
## Elongation.PET	0.8572788428	0.535475068
## Flatness.PET	0.7948095431	0.447665793
## Max_cooc.L.PET	0.4794413068	0.889470745
## Average_cooc.L.PET	0.8003967149	0.379439704
## Variance_cooc.L.PET	0.6389487281	0.291338234
## Entropy_cooc.L.PET	0.9760355533	0.529081158
## DAVE_cooc.L.PET	0.7410755325	0.362440381
## DVAR_cooc.L.PET	0.6534884120	0.420708866
## DENT_cooc.L.PET	0.9632220844	0.526015604
## SAVE_cooc.L.PET	0.8001938517	0.378508003
## SVAR_cooc.L.PET	0.6563564124	0.295408401
## SENT_cooc.L.PET	0.9747818382	0.607972703
## ASM_cooc.L.PET	0.4491969747	0.888337367
## Contrast_cooc.L.PET	0.5252141075	0.245407138
## Dissimilarity_cooc.L.PET	0.7410755325	0.362440381
## Inv_diff_cooc.L.PET	0.8654234809	0.705047412
## Inv_diff_norm_cooc.L.PET	0.9958187032	0.611980554
## IDM_cooc.L.PET	0.7789361074	0.737997087
## IDM_norm_cooc.L.PET	0.9984236952	0.603817344
## Inv_var_cooc.L.PET	0.7835403655	0.739986812

## Correlation_cooc.L.PET	0.6861672349	0.474403335
## Autocorrelation_cooc.L.PET	0.5950206778	0.241078678
## Tendency_cooc.L.PET	0.6563564124	0.295408401
## Shade_cooc.L.PET	0.3430791268	0.250901993
## Prominence_cooc.L.PET	0.4699542098	0.213510669
## IC1_.L.PET	-0.3617611738	0.074802356
## IC2_.L.PET	0.9039345117	0.582070285
## Coarseness_vdif_.L.PET	0.4866698638	0.768396038
## Contrast_vdif_.L.PET	0.2212795033	0.106568989
## Busyness_vdif_.L.PET	0.3187358563	0.168468018
## Complexity_vdif_.L.PET	0.7001311585	0.430116954
## Strength_vdif_.L.PET	0.3040526674	0.206505638
## SRE_align.L.PET	0.9977673295	0.596458639
## LRE_align.L.PET	0.9928154718	0.599579798
## GLNU_align.L.PET	0.2668721040	0.177405857
## RLNU_align.L.PET	0.2376114478	0.122765880
## RP_align.L.PET	0.9973861029	0.595070742
## LGRE_align.L.PET	0.6445775095	0.719764166
## HGRE_align.L.PET	0.6129825181	0.254807083
## LGSRE_align.L.PET	0.6490607409	0.727080719
## HGSRE_align.L.PET	0.6112996897	0.254733344
## LGHRE_align.L.PET	0.6232948174	0.688719892
## HGLRE_align.L.PET	0.6179702806	0.254383380
## GLNU_norm_align.L.PET	0.6896662126	0.884824008
## RLNU_norm_align.L.PET	0.9952807364	0.591090049
## GLVAR_align.L.PET	0.6644793282	0.295446132
## RLVAR_align.L.PET	0.6573404680	0.872865004
## Entropy_align.L.PET	0.9813767638	0.538762424
## SZSE.L.PET	0.9750202975	0.592497884
## LZSE.L.PET	0.6965428940	0.415906518
## LGLZE.L.PET	0.6557424990	0.727513194
## HGLZE.L.PET	0.6223763314	0.262483578
## SZLGE.L.PET	0.6638526727	0.746361229
## SZHGE.L.PET	0.6171702943	0.270513657
## LZLGE.L.PET	0.5265190301	0.573858584
## LZHGE.L.PET	0.5111594275	0.185390675
## GLNU_area.L.PET	0.2678632229	0.171104373
## ZSNU.L.PET	0.2376605268	0.111182192
## ZSP.L.PET	0.9807244083	0.585847842
## GLNU_norm.L.PET	0.6898775717	0.887203445
## ZSNU_norm.L.PET	0.9814548791	0.580294587
## GLVAR_area.L.PET	0.6750862585	0.308833759
## ZSVAR.L.PET	0.4617023587	0.465826240
## Entropy_area.L.PET	0.9828306227	0.545146899
## Max_cooc.H.PET	0.3399422003	0.202842840
## Average_cooc.H.PET	0.9789794191	0.513105338
## Variance_cooc.H.PET	0.8398929645	0.544776175
## Entropy_cooc.H.PET	0.8269573425	0.517161051
## DAVE_cooc.H.PET	0.8561046097	0.515651229
## DVAR_cooc.H.PET	0.8312497899	0.484173282
## DENT_cooc.H.PET	0.7668387469	0.423886072
## SAVE_cooc.H.PET	0.9827855949	0.530959362
## SVAR_cooc.H.PET	0.8389985255	0.550001362
## SENT_cooc.H.PET	0.6846762064	0.778426867

## ASM_cooc.H.PET	0.3222893054	0.285365827
## Contrast_cooc.H.PET	0.7541742228	0.458589056
## Dissimilarity_cooc.H.PET	0.8561046097	0.515651229
## Inv_diff_cooc.H.PET	0.7018013481	0.366486077
## Inv_diff_norm_cooc.H.PET	0.9990351726	0.598228949
## IDM_cooc.H.PET	0.5997817491	0.293527367
## IDM_norm_cooc.H.PET	1.0000000000	0.598812418
## Inv_var_cooc_.H.PET	0.5988124175	1.000000000
## Correlation_cooc.H.PET	0.6907984451	0.494228971
## Autocorrelation_cooc.H.PET	0.9282999205	0.460285088
## Tendency_cooc.H.PET	0.8110808726	0.542518367
## Shade_cooc.H.PET	-0.4003717466	-0.256756410
## Prominence_cooc.H.PET	0.5914579751	0.452979509
## IC1_d.H.PET	-0.1399528006	0.276118050
## IC2_d.H.PET	0.8004024213	0.576634039
## Coarseness_vdif.H.PET	0.4418848516	0.880715718
## Contrast_vdif.H.PET	0.2970670146	0.027398097
## Busyness_vdif.H.PET	0.1186769573	-0.298578994
## Complexity_vdif.H.PET	0.6483049911	0.669139302
## Strength_vdif.H.PET	0.0347519975	0.052037871
## SRE_align.H.PET	0.9645720766	0.628033652
## LRE_align.H.PET	0.6630405353	0.248170684
## RLNU_align.H.PET	0.2339069785	0.156786735
## RP_align.H.PET	0.9509259029	0.630221877
## LGRE_align.H.PET	0.4643513705	0.907477121
## HGRE_align.H.PET	0.9314027008	0.461994721
## LGSRE_align.H.PET	0.4618913660	0.906768295
## HGSRE_align.H.PET	0.9672936370	0.533688044
## LGHRE_align.H.PET	0.4779226637	0.908935924
## HGLRE_align.H.PET	0.4660230072	0.106557986
## GLNU_norm_align.H.PET	0.5387793751	0.258624636
## RLNU_norm_align.H.PET	0.8956456031	0.630292115
## GLVAR_align.H.PET	0.8065032918	0.530156914
## RLVAR_align.H.PET	0.3154117976	0.049677640
## Entropy_align.H.PET	0.8942830273	0.589270375
## SZSE.H.PET	0.8425337609	0.630480721
## LZSE.H.PET	-0.0434260554	-0.131987823
## LGLZE.H.PET	0.4649059188	0.907201450
## HGLZE.H.PET	0.8808524387	0.470457683
## SZLGE.H.PET	0.4585968800	0.905487545
## SZHGE.H.PET	0.8266498709	0.539414020
## LZLGE.H.PET	0.0232723115	-0.030689716
## LZHGE.H.PET	-0.0322952022	-0.122162022
## GLNU_area.H.PET	0.2729157061	0.105094961
## ZSNU.H.PET	0.2003692262	0.163398523
## ZSP.H.PET	0.6492560609	0.556488649
## GLNU_norm.H.PET	0.5496372444	0.247259271
## ZSNU_norm.H.PET	0.7057338038	0.599723312
## GLVAR_area.H.PET	0.7847922761	0.521728757
## ZSVAR_H.PET	-0.0392806816	-0.128720400
## Entropy_area.H.PET	0.9460090535	0.580163308
## Max_cooc.W.PET	0.3729337104	0.436028698
## Average_cooc.W.PET	0.5091756307	0.459683841
## Variance_cooc.W.PET	0.2505235228	0.407732005

## Entropy_cooc.W.PET	0.8446868009	0.580475053
## DAVE_cooc.W.PET	0.5280331651	0.480916231
## DVAR_cooc.W.PET	0.2755207982	0.384718908
## DENT_cooc.W.PET	0.8262856097	0.589681478
## SAVE_cooc.W.PET	0.5083966673	0.457969176
## SVAR_cooc.W.PET	0.2299787878	0.407769705
## SENT_cooc.W.PET	0.8884368773	0.676309446
## ASM_cooc.W.PET	0.4045647125	0.619162004
## Contrast_cooc.W.PET	0.2813951339	0.370103326
## Dissimilarity_cooc.W.PET	0.5280331651	0.480916231
## Inv_diff_cooc.W.PET	0.7759578807	0.389187461
## Inv_diff_norm_cooc.W.PET	0.9963339069	0.610784456
## IDM_cooc.W.PET	0.6468623669	0.302276279
## IDM_norm_cooc.W.PET	0.9985582783	0.603765308
## Inv_var_cooc.W.PET	0.7140551961	0.358184759
## Correlation_cooc.W.PET	0.6851151471	0.479138885
## Autocorrelation_cooc.W.PET	0.2464333216	0.343340191
## Tendency_cooc.W.PET	0.2299787878	0.407769705
## Shade_cooc.W.PET	0.0504945102	0.290340509
## Prominence_cooc.W.PET	0.0169085566	0.243436241
## IC1_d.W.PET	-0.1515557145	0.283432015
## IC2_d.W.PET	0.8602243962	0.636520657
## Coarseness_vdif.W.PET	0.4546036713	0.676225619
## Contrast_vdif.W.PET	0.4569743933	0.467595646
## Busyness_vdif.W.PET	0.2566440826	-0.200015833
## Complexity_vdif.W.PET	0.1656574277	0.352226590
## Strength_vdif.W.PET	0.2503613666	0.394267715
## SRE_align.W.PET	0.9885776474	0.616939660
## LRE_align.W.PET	0.8831292445	0.425898821
## GLNU_align.W.PET	0.2772778740	0.045688780
## RLNU_align.W.PET	0.2364127995	0.146181769
## RP_align.W.PET	0.9831222684	0.620519530
## LGRE_align.W.PET	0.5233186570	0.270768161
## HGRE_align.W.PET	0.2480390955	0.336212038
## LGSRE_align.W.PET	0.5577133637	0.308677226
## HGSRE_align.W.PET	0.2435578729	0.335291065
## LGHRE_align.W.PET	0.3643785089	0.121997179
## HGLRE_align.W.PET	0.2659570654	0.338461537
## GLNU_norm_align.W.PET	0.5393016772	0.359347332
## RLNU_norm_align.W.PET	0.9608455511	0.629339080
## GLVAR_align.W.PET	0.2504670836	0.395317793
## RLVAR_align.W.PET	0.3904346689	0.180899493
## Entropy_align.W.PET	0.8948084839	0.588658250
## SZSE.W.PET	0.9338685165	0.633040635
## LZSE.W.PET	0.1529769071	-0.058185150
## LGLZE.W.PET	0.5470861456	0.285279752
## HGLZE.W.PET	0.2518164343	0.343263206
## SZLGE.W.PET	0.6170564386	0.398162374
## SZHGE.W.PET	0.2394659977	0.340999935
## LZLGE.W.PET	0.0217843954	-0.095591474
## LZHGE.W.PET	0.2975451718	0.277536422
## GLNU_area.W.PET	0.2827318749	0.074911130
## ZSNU.W.PET	0.2217456054	0.157929190
## ZSP.W.PET	0.8568771455	0.620136262

## GLNU_norm.W.PET	0.5582284024	0.367047091
## ZSNU_norm.W.PET	0.8527161543	0.628990080
## GLVAR_area.W.PET	0.2545348774	0.401560345
## ZSVAR.W.PET	0.0630679531	-0.094093934
## Entropy_area.W.PET	0.9366304319	0.583799121
## Min_hist.ADC	0.3380145707	0.181073979
## Max_hist.ADC	0.8806863137	0.501987039
## Mean_hist.ADC	0.8676465654	0.474477958
## Variance_hist.ADC	0.4541681499	0.331467733
## Standard_Deviation_hist.ADC	0.7278353505	0.460432221
## Skewness_hist.ADC	0.2312649749	0.173450629
## Kurtosis_hist.ADC	0.2764224135	0.239300719
## Energy_hist.ADC	0.4619628717	0.878074698
## Entropy_hist.ADC	0.9497104545	0.551304584
## AUC_hist.ADC	0.9739101175	0.599964366
## Volume.ADC	0.3138315618	0.001836996
## X3D_surface.ADC	0.4249242547	0.217276756
## ratio_3ds_vol.ADC	0.6547375500	0.470863424
## ratio_3ds_vol_norm.ADC	0.9372245265	0.516566246
## irregularity.ADC	0.9578078991	0.573049948
## Compactness_v1.ADC	0.6974885165	0.892172370
##	Correlation_cooc.H.PET	Autocorrelation_cooc.H.PET
## Failure	-0.10225563	0.066428527
## Entropy_cooc.W.ADC	0.19420808	-0.005192626
## GLNU_align.H.PET	0.16551386	-0.071870627
## Min_hist.PET	0.30663031	0.248614247
## Max_hist.PET	0.45893102	0.243374492
## Mean_hist.PET	0.34955463	0.227507572
## Variance_hist.PET	0.28288867	-0.009910748
## Standard_Deviation_hist.PET	0.42443868	0.229076159
## Skewness_hist.PET	0.35347961	0.585327049
## Kurtosis_hist.PET	0.10289761	0.195947673
## Energy_hist.PET	0.23327803	0.445601732
## Entropy_hist.PET	0.70048041	0.738987152
## AUC_hist.PET	0.67269285	0.916270248
## H_suv.PET	0.25314553	0.258852527
## Volume.PET	0.37738901	0.188747521
## X3D_surface.PET	0.47094443	0.107123727
## ratio_3ds_vol.PET	0.24573118	0.640410850
## ratio_3ds_vol_norm.PET	0.59008213	0.553916951
## irregularity.PET	0.58215344	0.938544432
## tumor_length.PET	0.73044405	0.465194952
## Compactness_v1.PET	0.36625919	0.487509444
## Compactness_v2.PET	0.15345925	0.139869174
## Spherical_disproportion.PET	0.59008213	0.553916951
## Sphericity.PET	0.11779950	0.143389918
## Asphericity.PET	0.57909617	0.534169021
## Center_of_mass.PET	0.63935548	0.270699349
## Max_3D_diam.PET	0.56099304	0.296546973
## Major_axis_length.PET	0.59253460	0.332235184
## Minor_axis_length.PET	0.72955197	0.490183316
## Least_axis_length.PET	0.70250759	0.379153695
## Elongation.PET	0.54101334	0.805128377
## Flatness.PET	0.58933459	0.716510147

## Max_cooc.L.PET	0.31416745	0.463140545
## Average_cooc.L.PET	0.42089847	0.751085273
## Variance_cooc.L.PET	0.17466505	0.678795815
## Entropy_cooc.L.PET	0.65511589	0.876938421
## DAVE_cooc.L.PET	0.14345114	0.725990291
## DVAR_cooc.L.PET	0.05473017	0.626478977
## DENT_cooc.L.PET	0.52236896	0.897583393
## SAVE_cooc.L.PET	0.42071475	0.750900112
## SVAR_cooc.L.PET	0.34278331	0.711317603
## SENT_cooc.L.PET	0.64537820	0.909991202
## ASM_cooc.L.PET	0.29943270	0.419848738
## Contrast_cooc.L.PET	-0.11592237	0.535706713
## Dissimilarity_cooc.L.PET	0.14345114	0.725990291
## Inv_diff_cooc.L.PET	0.80452282	0.762249637
## Inv_diff_norm_cooc.L.PET	0.71972004	0.906552014
## IDM_cooc.L.PET	0.77372734	0.680148582
## IDM_norm_cooc.L.PET	0.69999550	0.912391902
## Inv_var_cooc.L.PET	0.77940655	0.683680844
## Correlation_cooc.L.PET	0.98683268	0.645823264
## Autocorrelation_cooc.L.PET	0.29442277	0.591473383
## Tendency_cooc.L.PET	0.34278331	0.711317603
## Shade_cooc.L.PET	0.26942422	0.419345043
## Prominence_cooc.L.PET	0.22643491	0.579966462
## IC1_.L.PET	-0.12338811	-0.485981822
## IC2_.L.PET	0.57437015	0.899959342
## Coarseness_vdif_.L.PET	0.23086243	0.521924804
## Contrast_vdif_.L.PET	-0.24758874	0.273003408
## Busyness_vdif_.L.PET	0.45492582	0.164855685
## Complexity_vdif_.L.PET	0.05941690	0.682291065
## Strength_vdif_.L.PET	-0.04187026	0.454424736
## SRE_align.L.PET	0.65200550	0.918337255
## LRE_align.L.PET	0.71581357	0.901330981
## GLNU_align.L.PET	0.50195027	0.112408885
## RLNU_align.L.PET	0.47779556	0.069333880
## RP_align.L.PET	0.64773882	0.918855442
## LGRE_align.L.PET	0.42297253	0.644022069
## HGRE_align.L.PET	0.25137355	0.592767999
## LGSRE_align.L.PET	0.42090071	0.647464073
## HGSRE_align.L.PET	0.24281615	0.592627688
## LGHRE_align.L.PET	0.43006903	0.626244296
## HGLRE_align.L.PET	0.28569551	0.591190615
## GLNU_norm_align.L.PET	0.45255077	0.664439605
## RLNU_norm_align.L.PET	0.63219198	0.919599529
## GLVAR_align.L.PET	0.22019579	0.682539011
## RLVAR_align.L.PET	0.66600439	0.561585400
## Entropy_align.L.PET	0.67439150	0.883061968
## SZSE.L.PET	0.60976103	0.901113452
## LZSE.L.PET	0.62108588	0.610688592
## LGLZE.L.PET	0.42710966	0.651331557
## HGLZE.L.PET	0.25027465	0.600102925
## SZLGE.L.PET	0.41292050	0.657620917
## SZHGE.L.PET	0.22057405	0.597704780
## LZLGE.L.PET	0.42998305	0.530195535
## LZHGE.L.PET	0.32140100	0.477378358

## GLNU_area.L.PET	0.49693208	0.112265827
## ZSNU.L.PET	0.46145733	0.069370081
## ZSP.L.PET	0.59967176	0.910214085
## GLNU_norm.L.PET	0.45429221	0.662954022
## ZSNU_norm.L.PET	0.58470136	0.913124558
## GLVAR_area.L.PET	0.22410913	0.688504985
## ZSVAR.L.PET	0.60532642	0.358611862
## Entropy_area.L.PET	0.69551413	0.879435267
## Max_cooc.H.PET	0.21039409	0.617884019
## Average_cooc.H.PET	0.62948893	0.981791313
## Variance_cooc.H.PET	0.58881205	0.606145684
## Entropy_cooc.H.PET	0.50238258	0.663737154
## DAVE_cooc.H.PET	0.36105253	0.670614309
## DVAR_cooc.H.PET	0.33081063	0.670251680
## DENT_cooc.H.PET	0.53972476	0.603681348
## SAVE_cooc.H.PET	0.66288944	0.941190543
## SVAR_cooc.H.PET	0.73423908	0.644998591
## SENT_cooc.H.PET	0.49089311	0.489595632
## ASM_cooc.H.PET	0.20316445	0.581201900
## Contrast_cooc.H.PET	0.20662884	0.559290282
## Dissimilarity_cooc.H.PET	0.36105253	0.670614309
## Inv_diff_cooc.H.PET	0.58751305	0.878701101
## Inv_diff_norm_cooc.H.PET	0.70258929	0.939794463
## IDM_cooc.H.PET	0.51388132	0.813497757
## IDM_norm_cooc.H.PET	0.69079845	0.928299920
## Inv_var_cooc_.H.PET	0.49422897	0.460285088
## Correlation_cooc.H.PET	1.00000000	0.615370982
## Autocorrelation_cooc.H.PET	0.61537098	1.000000000
## Tendency_cooc.H.PET	0.74260132	0.577231783
## Shade_cooc.H.PET	-0.40718663	-0.231285182
## Prominence_cooc.H.PET	0.64017081	0.309270511
## IC1_d.H.PET	-0.59767171	-0.212004093
## IC2_d.H.PET	0.96334530	0.697794672
## Coarseness_vdif.H.PET	0.27075361	0.422695555
## Contrast_vdif.H.PET	0.08791186	0.485860622
## Busyness_vdif.H.PET	0.12522106	0.060136948
## Complexity_vdif.H.PET	0.22576190	0.564288085
## Strength_vdif.H.PET	-0.08642718	0.211194344
## SRE_align.H.PET	0.59271998	0.817585160
## LRE_align.H.PET	0.58649328	0.818940677
## RLNU_align.H.PET	0.44145275	0.046487745
## RP_align.H.PET	0.56748136	0.793300279
## LGRE_align.H.PET	0.31858748	0.409852412
## HGRE_align.H.PET	0.58960718	0.988833326
## LGSRE_align.H.PET	0.31511672	0.407970815
## HGSRE_align.H.PET	0.55094591	0.941913242
## LGHRE_align.H.PET	0.34128125	0.422887691
## HGLRE_align.H.PET	0.44346710	0.691614864
## GLNU_norm_align.H.PET	0.30570119	0.793247145
## RLNU_norm_align.H.PET	0.49860134	0.700041966
## GLVAR_align.H.PET	0.59236376	0.561525748
## RLVAR_align.H.PET	0.43079656	0.529997432
## Entropy_align.H.PET	0.70357099	0.684700014
## SZSE.H.PET	0.49249291	0.627428480

## LZSE.H.PET	0.08830504	0.071713976
## LGLZE.H.PET	0.32037752	0.408986364
## HGLZE.H.PET	0.60194876	0.906284211
## SZLGE.H.PET	0.31138171	0.405271394
## SZHGE.H.PET	0.41106374	0.713334441
## LZLGE.H.PET	0.18110406	0.135256759
## LZHGE.H.PET	0.08900928	0.122468064
## GLNU_area.H.PET	0.45402169	0.112573917
## ZSNU.H.PET	0.36572803	0.004051557
## ZSP.H.PET	0.29354559	0.382285238
## GLNU_norm.H.PET	0.34180827	0.787201049
## ZSNU_norm.H.PET	0.37351065	0.446400406
## GLVAR_area.H.PET	0.57087989	0.538426950
## ZSVAR_H.PET	0.09609738	0.088961077
## Entropy_area.H.PET	0.73991637	0.790608398
## Max_cooc.W.PET	0.20664126	0.591059896
## Average_cooc.W.PET	0.40965786	0.217324050
## Variance_cooc.W.PET	0.27091130	-0.002918763
## Entropy_cooc.W.PET	0.58350864	0.604304346
## DAVE_cooc.W.PET	0.25167503	0.245050836
## DVAR_cooc.W.PET	0.14557619	0.015091631
## DENT_cooc.W.PET	0.49389587	0.589558192
## SAVE_cooc.W.PET	0.40915084	0.216544732
## SVAR_cooc.W.PET	0.32426695	-0.010946597
## SENT_cooc.W.PET	0.64837629	0.676393757
## ASM_cooc.W.PET	0.25441686	0.558004740
## Contrast_cooc.W.PET	0.10664627	0.017853630
## Dissimilarity_cooc.W.PET	0.25167503	0.245050836
## Inv_diff_cooc.W.PET	0.60208950	0.920834625
## Inv_diff_norm_cooc.W.PET	0.71863817	0.910376688
## IDM_cooc.W.PET	0.53230227	0.843514992
## IDM_norm_cooc.W.PET	0.69872825	0.913216910
## Inv_var_cooc.W.PET	0.58057653	0.871110579
## Correlation_cooc.W.PET	0.98890459	0.637358957
## Autocorrelation_cooc.W.PET	0.28791161	-0.017312119
## Tendency_cooc.W.PET	0.32426695	-0.010946597
## Shade_cooc.W.PET	0.22796070	-0.063508060
## Prominence_cooc.W.PET	0.19626315	-0.096231903
## IC1_d.W.PET	-0.53696745	-0.197421471
## IC2_d.W.PET	0.87992998	0.750332561
## Coarseness_vdif.W.PET	0.15847646	0.512842238
## Contrast_vdif.W.PET	0.03618383	0.249551180
## Busyness_vdif.W.PET	0.31236920	0.445837598
## Complexity_vdif.W.PET	0.26576522	-0.048062213
## Strength_vdif.W.PET	0.15998710	0.160266895
## SRE_align.W.PET	0.63510633	0.873746057
## LRE_align.W.PET	0.69624691	0.949878710
## GLNU_align.W.PET	0.51720943	0.191603991
## RLNU_align.W.PET	0.46234751	0.057440702
## RP_align.W.PET	0.62264300	0.859411956
## LGRE_align.W.PET	0.27714673	0.767970343
## HGRE_align.W.PET	0.27293453	-0.019719292
## LGSRE_align.W.PET	0.28583036	0.785155492
## HGSRE_align.W.PET	0.26420598	-0.023631689

## LGHRE_align.W.PET	0.23376348	0.651050078
## HGLRE_align.W.PET	0.31138583	-0.003258606
## GLNU_norm_align.W.PET	0.29797751	0.778689658
## RLNU_norm_align.W.PET	0.58797968	0.808894433
## GLVAR_align.W.PET	0.28396778	-0.010117312
## RLVAR_align.W.PET	0.46147323	0.603341257
## Entropy_align.W.PET	0.67488753	0.681252407
## SZSE.W.PET	0.55986100	0.777326170
## LZSE.W.PET	0.23319703	0.374488455
## LGLZE.W.PET	0.30825044	0.782957528
## HGLZE.W.PET	0.27613769	-0.016170306
## SZLGE.W.PET	0.32198786	0.801952138
## SZHGE.W.PET	0.25330688	-0.024747462
## LZLGE.W.PET	0.07046657	0.241932487
## LZHGE.W.PET	0.45668694	0.098710840
## GLNU_area.W.PET	0.49614434	0.160973761
## ZSNU.W.PET	0.41629789	0.032805798
## ZSP.W.PET	0.47684064	0.644825441
## GLNU_norm.W.PET	0.32825933	0.784257086
## ZSNU_norm.W.PET	0.46996554	0.638592917
## GLVAR_area.W.PET	0.28832440	-0.006205900
## ZSVAR.W.PET	0.15993614	0.276279248
## Entropy_area.W.PET	0.72582148	0.762543667
## Min_hist.ADC	0.15369826	0.388896609
## Max_hist.ADC	0.58855603	0.798709206
## Mean_hist.ADC	0.50376706	0.828999486
## Variance_hist.ADC	0.31681900	0.435039799
## Standard_Deviation_hist.ADC	0.48982050	0.678548600
## Skewness_hist.ADC	0.28622484	0.187161135
## Kurtosis_hist.ADC	0.29358219	0.209515464
## Energy_hist.ADC	0.29881343	0.439833254
## Entropy_hist.ADC	0.68383983	0.839725520
## AUC_hist.ADC	0.66232634	0.875157779
## Volume.ADC	0.34758586	0.188435817
## X3D_surface.ADC	0.40295534	0.296338309
## ratio_3ds_vol.ADC	0.30934573	0.679557945
## ratio_3ds_vol_norm.ADC	0.63206362	0.839273346
## irregularity.ADC	0.58733406	0.894763660
## Compactness_v1.ADC	0.46157327	0.655719889
##	Tendency_cooc.H.PET	Shade_cooc.H.PET
## Failure	-0.071506507	-0.014351564
## Entropy_cooc.W.ADC	0.107663059	-0.062607015
## GLNU_align.H.PET	0.050298308	-0.005816287
## Min_hist.PET	0.692603958	-0.370385099
## Max_hist.PET	0.771474757	-0.409113213
## Mean_hist.PET	0.745200518	-0.441048226
## Variance_hist.PET	0.545631202	-0.260105930
## Standard_Deviation_hist.PET	0.770046566	-0.421397531
## Skewness_hist.PET	0.205292234	0.233368139
## Kurtosis_hist.PET	-0.027984578	0.203748522
## Energy_hist.PET	0.235740392	-0.126690225
## Entropy_hist.PET	0.828671829	-0.428485529
## AUC_hist.PET	0.806194877	-0.394632442
## H_suv.PET	0.715463043	-0.413937372

## Volume.PET	0.467095945	-0.228611285
## X3D_surface.PET	0.417177452	-0.196959894
## ratio_3ds_vol.PET	0.252565289	-0.024616821
## ratio_3ds_vol_norm.PET	0.483835774	-0.167449840
## irregularity.PET	0.709544962	-0.318166061
## tumor_length.PET	0.708330183	-0.359360231
## Compactness_v1.PET	0.412279393	-0.232841166
## Compactness_v2.PET	0.296873921	-0.161528293
## Spherical_disproportion.PET	0.483835774	-0.167449840
## Sphericity.PET	0.290016938	-0.134829897
## Asphericity.PET	0.465784600	-0.156945490
## Center_of_mass.PET	0.496449951	-0.138363615
## Max_3D_diam.PET	0.636673628	-0.292645932
## Major_axis_length.PET	0.677344683	-0.311550527
## Minor_axis_length.PET	0.777058820	-0.383111661
## Least_axis_length.PET	0.744964558	-0.385705881
## Elongation.PET	0.662911927	-0.388956871
## Flatness.PET	0.689271805	-0.427547602
## Max_cooc.L.PET	0.280877925	-0.152281875
## Average_cooc.L.PET	0.697215635	-0.519908803
## Variance_cooc.L.PET	0.368125571	-0.137647116
## Entropy_cooc.L.PET	0.845675812	-0.456329053
## DAVE_cooc.L.PET	0.480701204	-0.240157395
## DVAR_cooc.L.PET	0.390389412	-0.137821274
## DENT_cooc.L.PET	0.754602526	-0.380982604
## SAVE_cooc.L.PET	0.697172833	-0.519923334
## SVAR_cooc.L.PET	0.407668713	-0.140713312
## SENT_cooc.L.PET	0.788803546	-0.409632235
## ASM_cooc.L.PET	0.276038798	-0.160603747
## Contrast_cooc.L.PET	0.255719241	-0.114210067
## Dissimilarity_cooc.L.PET	0.480701204	-0.240157395
## Inv_diff_cooc.L.PET	0.770041463	-0.386046657
## Inv_diff_norm_cooc.L.PET	0.837604225	-0.425204231
## IDM_cooc.L.PET	0.693957041	-0.345507953
## IDM_norm_cooc.L.PET	0.832622468	-0.423469495
## Inv_var_cooc.L.PET	0.698726892	-0.340310312
## Correlation_cooc.L.PET	0.682782426	-0.324544238
## Autocorrelation_cooc.L.PET	0.524576280	-0.483967677
## Tendency_cooc.L.PET	0.407668713	-0.140713312
## Shade_cooc.L.PET	0.028805006	0.441492061
## Prominence_cooc.L.PET	0.164735842	0.096650484
## IC1_.L.PET	-0.118960832	-0.021329874
## IC2_.L.PET	0.645099036	-0.308495452
## Coarseness_vdif_.L.PET	0.229425338	-0.123934638
## Contrast_vdif_.L.PET	-0.020718048	0.055774876
## Busyness_vdif_.L.PET	0.473314130	-0.122041380
## Complexity_vdif_.L.PET	0.401126602	-0.147748338
## Strength_vdif_.L.PET	-0.069364574	0.178555160
## SRE_align.L.PET	0.813172826	-0.411288616
## LRE_align.L.PET	0.840559597	-0.432832232
## GLNU_align.L.PET	0.476764574	-0.196962354
## RLNU_align.L.PET	0.499631555	-0.253061709
## RP_align.L.PET	0.811118601	-0.410405735
## LGRE_align.L.PET	0.328468096	0.025651248

## HGRE_align.L.PET	0.535464480	-0.464679650
## LGSRE_align.L.PET	0.331735456	0.022313813
## HGSRE_align.L.PET	0.528655518	-0.456185326
## LGHRE_align.L.PET	0.314650461	0.037662109
## HGLRE_align.L.PET	0.562064894	-0.498172182
## GLNU_norm_align.L.PET	0.429507913	-0.161025820
## RLNU_norm_align.L.PET	0.803536040	-0.406772628
## GLVAR_align.L.PET	0.438735482	-0.225620318
## RLVAR_align.L.PET	0.581770346	-0.325424806
## Entropy_align.L.PET	0.856911997	-0.471758750
## SZSE.L.PET	0.779202107	-0.383035848
## LZSE.L.PET	0.657750950	-0.382549420
## LGLZE.L.PET	0.341722810	0.009006462
## HGLZE.L.PET	0.539469278	-0.460031163
## SZLGE.L.PET	0.346007496	-0.002321323
## SZHGE.L.PET	0.515127599	-0.424243428
## LZLGE.L.PET	0.274981831	0.047622640
## LZHGE.L.PET	0.526198505	-0.503497424
## GLNU_area.L.PET	0.479064052	-0.197574906
## ZSNU.L.PET	0.497549014	-0.253065353
## ZSP.L.PET	0.778165711	-0.384948475
## GLNU_norm.L.PET	0.431999010	-0.164712506
## ZSNU_norm.L.PET	0.777397977	-0.396690426
## GLVAR_area.L.PET	0.449745196	-0.231244138
## ZSVAR.L.PET	0.516632138	-0.314602005
## Entropy_area.L.PET	0.867031983	-0.473893574
## Max_cooc.H.PET	-0.158898169	0.313290040
## Average_cooc.H.PET	0.693124617	-0.311604686
## Variance_cooc.H.PET	0.969464882	-0.684568540
## Entropy_cooc.H.PET	0.772160620	-0.374323140
## DAVE_cooc.H.PET	0.820400718	-0.524644630
## DVAR_cooc.H.PET	0.794469164	-0.534648392
## DENT_cooc.H.PET	0.751772133	-0.395756663
## SAVE_cooc.H.PET	0.759011027	-0.385800662
## SVAR_cooc.H.PET	0.933700576	-0.633217036
## SENT_cooc.H.PET	0.728476490	-0.471213617
## ASM_cooc.H.PET	-0.120337502	0.217833206
## Contrast_cooc.H.PET	0.752493531	-0.527463934
## Dissimilarity_cooc.H.PET	0.820400718	-0.524644630
## Inv_diff_cooc.H.PET	0.293507965	-0.021189996
## Inv_diff_norm_cooc.H.PET	0.796693544	-0.384526938
## IDM_cooc.H.PET	0.171601069	0.049375892
## IDM_norm_cooc.H.PET	0.811080873	-0.400371747
## Inv_var_cooc.H.PET	0.542518367	-0.256756410
## Correlation_cooc.H.PET	0.742601321	-0.407186629
## Autocorrelation_cooc.H.PET	0.577231783	-0.231285182
## Tendency_cooc.H.PET	1.000000000	-0.708238223
## Shade_cooc.H.PET	-0.708238223	1.000000000
## Prominence_cooc.H.PET	0.941608054	-0.785182603
## IC1_d.H.PET	-0.173807285	0.020320774
## IC2_d.H.PET	0.809266985	-0.413507578
## Coarseness_vdif.H.PET	0.258370278	-0.156437948
## Contrast_vdif.H.PET	0.046075022	-0.050579848
## Busyness_vdif.H.PET	0.188920821	-0.021734062

## Complexity_vdif.H.PET	0.514582553	-0.378258628
## Strength_vdif.H.PET	-0.184634559	0.125988483
## SRE_align.H.PET	0.863682998	-0.466711448
## LRE_align.H.PET	0.308433673	-0.060407834
## RLNU_align.H.PET	0.511036978	-0.247089834
## RP_align.H.PET	0.863973594	-0.470160116
## LGRE_align.H.PET	0.330008853	-0.215918789
## HGRE_align.H.PET	0.582093735	-0.199536459
## LGSRE_align.H.PET	0.326603211	-0.213173050
## HGSRE_align.H.PET	0.685614605	-0.264397041
## LGHRE_align.H.PET	0.346068812	-0.228533115
## HGLRE_align.H.PET	0.099132949	0.044981155
## GLNU_norm_align.H.PET	0.021265650	0.165371470
## RLNU_norm_align.H.PET	0.863049372	-0.485388966
## GLVAR_align.H.PET	0.973636194	-0.721539775
## RLVAR_align.H.PET	-0.004383491	0.110260510
## Entropy_align.H.PET	0.948097678	-0.543584652
## SZSE.H.PET	0.842214525	-0.455180681
## LZSE.H.PET	-0.190203414	0.231224799
## LGLZE.H.PET	0.334306405	-0.223860538
## HGLZE.H.PET	0.559716938	-0.132980362
## SZLGE.H.PET	0.322986069	-0.211499627
## SZHGE.H.PET	0.637248798	-0.196787458
## LZLGE.H.PET	-0.132199140	0.195895966
## LZHGE.H.PET	-0.207035581	0.222730094
## GLNU_area.H.PET	0.495325767	-0.242550589
## ZSNU.H.PET	0.482716807	-0.209361606
## ZSP.H.PET	0.761524462	-0.444451674
## GLNU_norm.H.PET	0.074407355	0.107035614
## ZSNU_norm.H.PET	0.791442758	-0.435565332
## GLVAR_area.H.PET	0.957463819	-0.727225804
## ZSVAR.H.PET	-0.196565719	0.236425589
## Entropy_area.H.PET	0.915900696	-0.521520329
## Max_cooc.W.PET	-0.065414228	0.192398724
## Average_cooc.W.PET	0.789540308	-0.524829368
## Variance_cooc.W.PET	0.526761610	-0.227744790
## Entropy_cooc.W.PET	0.923765546	-0.530761349
## DAVE_cooc.W.PET	0.712353957	-0.397394108
## DVAR_cooc.W.PET	0.513857466	-0.239853275
## DENT_cooc.W.PET	0.873568853	-0.481048872
## SAVE_cooc.W.PET	0.789160787	-0.524609820
## SVAR_cooc.W.PET	0.512733898	-0.207611124
## SENT_cooc.W.PET	0.916385799	-0.512824201
## ASM_cooc.W.PET	0.045857044	0.060469463
## Contrast_cooc.W.PET	0.516105930	-0.259915963
## Dissimilarity_cooc.W.PET	0.712353957	-0.397394108
## Inv_diff_cooc.W.PET	0.391081330	-0.128686650
## Inv_diff_norm_cooc.W.PET	0.833786811	-0.422459717
## IDM_cooc.W.PET	0.236578273	-0.029193205
## IDM_norm_cooc.W.PET	0.831604701	-0.423312732
## Inv_var_cooc.W.PET	0.333877149	-0.105124695
## Correlation_cooc.W.PET	0.691437783	-0.332943567
## Autocorrelation_cooc.W.PET	0.576125722	-0.364659677
## Tendency_cooc.W.PET	0.512733898	-0.207611124

## Shade_cooc.W.PET	0.199915985	0.053893185
## Prominence_cooc.W.PET	0.188505315	0.004510040
## IC1_d.W.PET	-0.207021332	0.042185849
## IC2_d.W.PET	0.825863126	-0.422913504
## Coarseness_vdif.W.PET	0.177155230	-0.086890769
## Contrast_vdif.W.PET	0.515593703	-0.306749064
## Busyness_vdif.W.PET	-0.036035409	0.250572789
## Complexity_vdif.W.PET	0.424067142	-0.151909471
## Strength_vdif.W.PET	0.241181225	-0.042690976
## SRE_align.W.PET	0.846327274	-0.441204382
## LRE_align.W.PET	0.581276182	-0.241282354
## GLNU_align.W.PET	0.406332147	-0.179907161
## RLNU_align.W.PET	0.506641514	-0.248975471
## RP_align.W.PET	0.851634238	-0.447350055
## LGRE_align.W.PET	-0.030825960	0.288664246
## HGRE_align.W.PET	0.575821109	-0.356719031
## LGSRE_align.W.PET	0.008586147	0.261058350
## HGSRE_align.W.PET	0.568912186	-0.348249563
## LGHRE_align.W.PET	-0.167866453	0.363635991
## HGLRE_align.W.PET	0.604003777	-0.392842370
## GLNU_norm_align.W.PET	0.030658076	0.150815545
## RLNU_norm_align.W.PET	0.864701327	-0.464061324
## GLVAR_align.W.PET	0.545867087	-0.260477148
## RLVAR_align.W.PET	0.046831035	0.072294060
## Entropy_align.W.PET	0.946576345	-0.544932958
## SZSE.W.PET	0.841091179	-0.432502170
## LZSE.W.PET	-0.128489979	0.200699282
## LGLZE.W.PET	0.010380092	0.241943426
## HGLZE.W.PET	0.575507929	-0.347703967
## SZLGE.W.PET	0.105501441	0.176374639
## SZHGE.W.PET	0.553306693	-0.319743510
## LZLGE.W.PET	-0.275781340	0.334381083
## LZHGE.W.PET	0.608371341	-0.485763567
## GLNU_area.W.PET	0.454690698	-0.212125857
## ZSNU.W.PET	0.497990783	-0.229953304
## ZSP.W.PET	0.850397167	-0.473033606
## GLNU_norm.W.PET	0.069090365	0.124978539
## ZSNU_norm.W.PET	0.845060490	-0.450728809
## GLVAR_area.W.PET	0.547972639	-0.263234494
## ZSVAR.W.PET	-0.191238801	0.235234449
## Entropy_area.W.PET	0.931344915	-0.527916808
## Min_hist.ADC	0.192294333	-0.073525430
## Max_hist.ADC	0.708647973	-0.282795885
## Mean_hist.ADC	0.635130330	-0.272761563
## Variance_hist.ADC	0.306441575	-0.092612411
## Standard_Deviation_hist.ADC	0.554132267	-0.239947784
## Skewness_hist.ADC	0.293526631	-0.117618909
## Kurtosis_hist.ADC	0.280772697	-0.007034910
## Energy_hist.ADC	0.282041361	-0.170364973
## Entropy_hist.ADC	0.826273104	-0.416808020
## AUC_hist.ADC	0.832562147	-0.426589378
## Volume.ADC	0.438194379	-0.203229297
## X3D_surface.ADC	0.470642273	-0.158581316
## ratio_3ds_vol.ADC	0.415232548	-0.224832467

## ratio_3ds_vol_norm.ADC	0.791565881	-0.375621460	
## irregularity.ADC	0.765913941	-0.414028583	
## Compactness_v1.ADC	0.495969900	-0.281486618	
##	Prominence_cooc.H.PET	IC1_d.H.PET	IC2_d.H.PET
## Failure	-0.1037264408	0.0922493686	-0.09005601
## Entropy_cooc.W.ADC	0.1224764263	-0.1810238169	0.15448191
## GLNU_align.H.PET	0.0854055459	-0.1496903129	0.11053233
## Min_hist.PET	0.7069620949	0.1329316904	0.43318080
## Max_hist.PET	0.8057503101	0.0124821503	0.56209318
## Mean_hist.PET	0.7851792833	0.1044276920	0.46698230
## Variance_hist.PET	0.6423778764	0.0410007228	0.36195654
## Standard_Deviation_hist.PET	0.8064986784	0.0498570704	0.53886822
## Skewness_hist.PET	-0.0104934685	-0.0979727098	0.44956292
## Kurtosis_hist.PET	-0.1136203674	0.0024675919	0.12769288
## Energy_hist.PET	0.1061922072	0.4048057783	0.30824723
## Entropy_hist.PET	0.6843428387	-0.2257736318	0.77756281
## AUC_hist.PET	0.5874843661	-0.0987691477	0.78704613
## H_suv.PET	0.7288736769	0.2539167259	0.40181352
## Volume.PET	0.4811383145	-0.2231466507	0.36792636
## X3D_surface.PET	0.4574526622	-0.2604529792	0.44205939
## ratio_3ds_vol.PET	0.0450320243	0.1563490862	0.35964432
## ratio_3ds_vol_norm.PET	0.3487402353	-0.1057877939	0.63535154
## irregularity.PET	0.4671880816	-0.0772946103	0.71492709
## tumor_length.PET	0.6613073351	-0.2775798041	0.73683346
## Compactness_v1.PET	0.2975440743	0.3530485149	0.42619496
## Compactness_v2.PET	0.3022351787	-0.1088769471	0.16691746
## Spherical_disproportion.PET	0.3487402353	-0.1057877939	0.63535154
## Sphericity.PET	0.2855633457	-0.1777219744	0.14102706
## Asphericity.PET	0.3352192780	-0.1033030451	0.62142346
## Center_of_mass.PET	0.4756446003	-0.4071844475	0.64106644
## Max_3D_diam.PET	0.6381577514	-0.3693656772	0.56519618
## Major_axis_length.PET	0.6769085207	-0.3001068426	0.60137297
## Minor_axis_length.PET	0.7187246720	-0.3522761764	0.74261660
## Least_axis_length.PET	0.7280782107	-0.4100405927	0.70652444
## Elongation.PET	0.4570998097	-0.0668702394	0.64288635
## Flatness.PET	0.5263922279	-0.1786149030	0.68434790
## Max_cooc.L.PET	0.1558900627	0.3667051488	0.36938550
## Average_cooc.L.PET	0.5393218744	0.0013257251	0.52407519
## Variance_cooc.L.PET	0.1587232533	0.0895551167	0.30746348
## Entropy_cooc.L.PET	0.6483603669	-0.1236299606	0.75819546
## DAVE_cooc.L.PET	0.2721657222	0.2318718944	0.30619146
## DVAR_cooc.L.PET	0.1987143147	0.3347404138	0.22355541
## DENT_cooc.L.PET	0.5315465679	-0.0067541738	0.65817009
## SAVE_cooc.L.PET	0.5393466980	0.0008465405	0.52387426
## SVAR_cooc.L.PET	0.1939101209	-0.0933369411	0.43954622
## SENT_cooc.L.PET	0.5683867247	-0.0963827709	0.76026765
## ASM_cooc.L.PET	0.1629449197	0.3818921957	0.35142087
## Contrast_cooc.L.PET	0.0814384471	0.3678503728	0.05622704
## Dissimilarity_cooc.L.PET	0.2721657222	0.2318718944	0.30619146
## Inv_diff_cooc.L.PET	0.6128018547	-0.2161422245	0.86148384
## Inv_diff_norm_cooc.L.PET	0.6305372741	-0.1567497355	0.82341634
## IDM_cooc.L.PET	0.5567185833	-0.1802079995	0.81657688
## IDM_norm_cooc.L.PET	0.6217551752	-0.1397072202	0.80790502
## Inv_var_cooc.L.PET	0.5616023394	-0.1833172543	0.82006420

## Correlation_cooc.L.PET	0.5581209310	-0.6309535500	0.95088780
## Autocorrelation_cooc.L.PET	0.4069225955	0.0030942212	0.36307015
## Tendency_cooc.L.PET	0.1939101209	-0.0933369411	0.43954622
## Shade_cooc.L.PET	-0.1602289426	-0.2425745510	0.35130699
## Prominence_cooc.L.PET	-0.0409596347	-0.1163419003	0.31370504
## IC1_.L.PET	0.0478644163	0.2770241007	-0.23039293
## IC2_.L.PET	0.4072045779	-0.1167017495	0.70331782
## Coarseness_vdif_.L.PET	0.0695151229	0.3394565263	0.31215138
## Contrast_vdif_.L.PET	-0.1282820292	0.2823787825	-0.08588465
## Busyness_vdif_.L.PET	0.4815644125	-0.2495314864	0.44973272
## Complexity_vdif_.L.PET	0.1942187995	0.3340948170	0.24727850
## Strength_vdif_.L.PET	-0.2478658815	0.1129669651	0.08230326
## SRE_align.L.PET	0.5955294683	-0.0951939768	0.77020363
## LRE_align.L.PET	0.6356811733	-0.1612585273	0.82096438
## GLNU_align.L.PET	0.5216838007	-0.3076176771	0.47618501
## RLNU_align.L.PET	0.5720492300	-0.3024839859	0.44619679
## RP_align.L.PET	0.5928395456	-0.0915113997	0.76663141
## LGRE_align.L.PET	0.1216416612	0.1098703745	0.52108863
## HGRE_align.L.PET	0.4139357103	0.0575005751	0.33618797
## LGSRE_align.L.PET	0.1236266476	0.1194439356	0.52042961
## HGSRE_align.L.PET	0.4052661861	0.0646848446	0.32931664
## LGHRE_align.L.PET	0.1142822304	0.0715930691	0.52142141
## HGLRE_align.L.PET	0.4486121547	0.0278409365	0.36341102
## GLNU_norm_align.L.PET	0.2469005205	0.2273913314	0.54363847
## RLNU_norm_align.L.PET	0.5832963868	-0.0779058454	0.75346121
## GLVAR_align.L.PET	0.2428803330	0.0728343950	0.34270572
## RLVAR_align.L.PET	0.4694708533	0.0178397571	0.69942023
## Entropy_align.L.PET	0.6610783422	-0.1416620197	0.77677970
## SZSE.L.PET	0.5621708246	-0.0606196147	0.73005822
## LZSE.L.PET	0.5361619177	-0.2289209513	0.67292640
## LGLZE.L.PET	0.1330320723	0.1172104912	0.52606114
## HGLZE.L.PET	0.4145596720	0.0611443600	0.34016871
## SZLGE.L.PET	0.1350720112	0.1518380935	0.51452402
## SZHGE.L.PET	0.3847891189	0.0880320282	0.31750774
## LZLGE.L.PET	0.1094668794	-0.0295689070	0.49532260
## LZHGE.L.PET	0.4529911133	-0.0575826835	0.36467397
## GLNU_area.L.PET	0.5249052594	-0.3046232156	0.47209900
## ZSNU.L.PET	0.5699652656	-0.2900271485	0.43157896
## ZSP.L.PET	0.5570894527	-0.0529934554	0.72302220
## GLNU_norm.L.PET	0.2501096057	0.2282072377	0.54503958
## ZSNU_norm.L.PET	0.5550856416	-0.0362177520	0.70973679
## GLVAR_area.L.PET	0.2525881690	0.0783469136	0.34896327
## ZSVAR.L.PET	0.4725155579	-0.2218207923	0.60487983
## Entropy_area.L.PET	0.6740881586	-0.1588265479	0.79465913
## Max_cooc.H.PET	-0.3743412004	-0.1672578475	0.20229368
## Average_cooc.H.PET	0.4396867503	-0.1612593725	0.73422857
## Variance_cooc.H.PET	0.8884846015	-0.0052120690	0.69707841
## Entropy_cooc.H.PET	0.6468203935	-0.0098564504	0.64761915
## DAVE_cooc.H.PET	0.6794015492	0.1966558116	0.52124958
## DVAR_cooc.H.PET	0.6492234181	0.2053311239	0.47952026
## DENT_cooc.H.PET	0.6385996274	-0.1083616469	0.63248490
## SAVE_cooc.H.PET	0.5257491408	-0.1762463959	0.77098523
## SVAR_cooc.H.PET	0.8427447220	-0.1919017042	0.80435591
## SENT_cooc.H.PET	0.6533528954	0.1599589491	0.60625534

## ASM_cooc.H.PET	-0.3006828386	-0.0850065479	0.18565401
## Contrast_cooc.H.PET	0.6431231461	0.3076492907	0.37398491
## Dissimilarity_cooc.H.PET	0.6794015492	0.1966558116	0.52124958
## Inv_diff_cooc.H.PET	0.0307492012	-0.3537965852	0.59712264
## Inv_diff_norm_cooc.H.PET	0.5724069747	-0.1601620447	0.80733058
## IDM_cooc.H.PET	-0.0850812908	-0.3566001347	0.50613426
## IDM_norm_cooc.H.PET	0.5914579751	-0.1399528006	0.80040242
## Inv_var_cooc_.H.PET	0.4529795087	0.2761180499	0.57663404
## Correlation_cooc.H.PET	0.6401708069	-0.5976717059	0.96334530
## Autocorrelation_cooc.H.PET	0.3092705112	-0.2120040926	0.69779467
## Tendency_cooc.H.PET	0.9416080538	-0.1738072851	0.80926699
## Shade_cooc.H.PET	-0.7851826026	0.0203207739	-0.41350758
## Prominence_cooc.H.PET	1.0000000000	-0.1325277583	0.67931710
## IC1_d.H.PET	-0.1325277583	1.0000000000	-0.52804782
## IC2_d.H.PET	0.6793170977	-0.5280478190	1.00000000
## Coarseness_vdif.H.PET	0.1478685134	0.3988739066	0.32959930
## Contrast_vdif.H.PET	-0.1427440083	-0.0184562735	0.08386196
## Busyness_vdif.H.PET	0.1786819464	-0.2584505274	0.12731638
## Complexity_vdif.H.PET	0.3685817867	0.3450695885	0.35806301
## Strength_vdif.H.PET	-0.1886087085	0.0686922753	-0.08443197
## SRE_align.H.PET	0.6873750845	0.0187856215	0.73022564
## LRE_align.H.PET	0.0717488868	-0.4556926868	0.59099381
## RLNU_align.H.PET	0.5963325882	-0.2231061562	0.42051838
## RP_align.H.PET	0.6963999069	0.0494047573	0.71012584
## LGRE_align.H.PET	0.2335554368	0.3887216137	0.37463737
## HGRE_align.H.PET	0.3166941688	-0.1876354954	0.67892937
## LGSRE_align.H.PET	0.2301375458	0.3913732383	0.37125820
## HGSRE_align.H.PET	0.4414446441	-0.0526031499	0.67729470
## LGHRE_align.H.PET	0.2481503141	0.3657710627	0.39556617
## HGLRE_align.H.PET	-0.1044376163	-0.4867419555	0.41645526
## GLNU_norm_align.H.PET	-0.2508804069	-0.1587620307	0.32304583
## RLNU_norm_align.H.PET	0.7279251499	0.1242753325	0.65257095
## GLVAR_align.H.PET	0.9168864726	-0.0134920636	0.69148131
## RLVAR_align.H.PET	-0.1863648100	-0.5681000968	0.37590331
## Entropy_align.H.PET	0.8433462532	-0.1407866264	0.81046048
## SZSE.H.PET	0.7307408998	0.1057025772	0.63791902
## LZSE.H.PET	-0.2234028518	-0.4352740694	0.05564660
## LGLZE.H.PET	0.2400111472	0.3878726491	0.37660167
## HGLZE.H.PET	0.3161141006	-0.2235098680	0.68689145
## SZLGE.H.PET	0.2271338841	0.3937921368	0.36782548
## SZHGE.H.PET	0.4542526341	0.0314520098	0.57065351
## LZLGE.H.PET	-0.1949338388	-0.4555369786	0.14340462
## LZHGE.H.PET	-0.2458238829	-0.4133952523	0.04408504
## GLNU_area.H.PET	0.5408327323	-0.2643235421	0.42839284
## ZSNU.H.PET	0.5818098839	-0.1465076167	0.35777919
## ZSP.H.PET	0.7260034325	0.2643047043	0.44784721
## GLNU_norm.H.PET	-0.2035295037	-0.1873464814	0.35522706
## ZSNU_norm.H.PET	0.7380348650	0.1947970643	0.52623061
## GLVAR_area.H.PET	0.9085417566	0.0047634635	0.66732145
## ZSVAR_H.PET	-0.2397803501	-0.4331785276	0.05622894
## Entropy_area.H.PET	0.7656929931	-0.1769678003	0.83466370
## Max_cooc.W.PET	-0.2452313188	0.0442861180	0.21340864
## Average_cooc.W.PET	0.8525405179	0.0538512392	0.51170548
## Variance_cooc.W.PET	0.6110365977	0.0474827502	0.35726460

## Entropy_cooc.W.PET	0.8385076056	-0.0045232323	0.71310441
## DAVE_cooc.W.PET	0.7248928454	0.2013214293	0.40514075
## DVAR_cooc.W.PET	0.5854157850	0.1612988073	0.26975742
## DENT_cooc.W.PET	0.7817155667	0.0859529908	0.64494316
## SAVE_cooc.W.PET	0.8523964742	0.0530631288	0.51112091
## SVAR_cooc.W.PET	0.5996093959	-0.0115606299	0.38963780
## SENT_cooc.W.PET	0.8000724157	-0.0292621950	0.77827132
## ASM_cooc.W.PET	-0.1113647346	0.1584101110	0.26528512
## Contrast_cooc.W.PET	0.5861813609	0.1973462373	0.24016505
## Dissimilarity_cooc.W.PET	0.7248928454	0.2013214293	0.40514075
## Inv_diff_cooc.W.PET	0.1195953959	-0.3015043852	0.62452179
## Inv_diff_norm_cooc.W.PET	0.6251141043	-0.1579245950	0.82222570
## IDM_cooc.W.PET	-0.0269929333	-0.3344607246	0.52828916
## IDM_norm_cooc.W.PET	0.6203495377	-0.1388077701	0.80701739
## Inv_var_cooc.W.PET	0.0627099757	-0.3129988268	0.58971099
## Correlation_cooc.W.PET	0.5698665404	-0.6259700649	0.95356532
## Autocorrelation_cooc.W.PET	0.7023453730	0.0372839306	0.35318008
## Tendency_cooc.W.PET	0.5996093959	-0.0115606299	0.38963780
## Shade_cooc.W.PET	0.2413420271	-0.0876101677	0.24367274
## Prominence_cooc.W.PET	0.2542175819	-0.0713742429	0.19945334
## IC1_d.W.PET	-0.1708611241	0.9570351271	-0.50970007
## IC2_d.W.PET	0.6755876363	-0.4174976050	0.96604571
## Coarseness_vdif.W.PET	0.0155289957	0.3293259781	0.25312268
## Contrast_vdif.W.PET	0.4852113976	0.3731906196	0.21626976
## Busyness_vdif.W.PET	-0.2102592913	-0.5225274591	0.25989309
## Complexity_vdif.W.PET	0.5194632638	-0.0134824209	0.31524860
## Strength_vdif.W.PET	0.1849750874	0.0698722431	0.28146103
## SRE_align.W.PET	0.6481769474	-0.0488720675	0.76279437
## LRE_align.W.PET	0.3292240859	-0.3726560871	0.74588558
## GLNU_align.W.PET	0.4031321429	-0.4478664215	0.47147413
## RLNU_align.W.PET	0.5859239748	-0.2602524549	0.43629887
## RP_align.W.PET	0.6590697213	-0.0285857231	0.75384283
## LGRE_align.W.PET	-0.3186737225	-0.1298122371	0.30885225
## HGRE_align.W.PET	0.7014183641	0.0460370641	0.34119008
## LGSRE_align.W.PET	-0.2864600311	-0.0952145993	0.32792033
## HGSRE_align.W.PET	0.6939027672	0.0518184738	0.33401922
## LGHRE_align.W.PET	-0.4062726995	-0.2644746533	0.22687449
## HGLRE_align.W.PET	0.7318159178	0.0169558393	0.37238686
## GLNU_norm_align.W.PET	-0.2281747284	-0.0730352643	0.32000611
## RLNU_norm_align.W.PET	0.6909372261	0.0202490784	0.72835913
## GLVAR_align.W.PET	0.6429065252	0.0387783036	0.36272594
## RLVAR_align.W.PET	-0.1491990762	-0.4737652010	0.41269849
## Entropy_align.W.PET	0.8412476157	-0.1025406728	0.78850971
## SZSE.W.PET	0.6754287072	0.0422178243	0.69997943
## LZSE.W.PET	-0.2532420394	-0.4472881599	0.17993980
## LGLZE.W.PET	-0.2835474596	-0.1362018498	0.33319615
## HGLZE.W.PET	0.6973650797	0.0440101251	0.34675278
## SZLGE.W.PET	-0.1907140301	-0.0310083125	0.36611072
## SZHGE.W.PET	0.6717324301	0.0567174772	0.32807015
## LZLGE.W.PET	-0.3429693756	-0.3366273831	0.02818211
## LZHGE.W.PET	0.7059337806	-0.1826986660	0.46899259
## GLNU_area.W.PET	0.4714052767	-0.3699425534	0.46006695
## ZSNU.W.PET	0.5870459885	-0.2004894572	0.39935395
## ZSP.W.PET	0.7325411967	0.1328490674	0.62961020

## GLNU_norm.W.PET	-0.2011872328	-0.0921981235	0.34942739
## ZSNU_norm.W.PET	0.7292090391	0.1391044209	0.62519271
## GLVAR_area.W.PET	0.6438089910	0.0377848254	0.36740792
## ZSVAR.W.PET	-0.2905295412	-0.4158890598	0.10275088
## Entropy_area.W.PET	0.7953474439	-0.1641246205	0.82846500
## Min_hist.ADC	0.0801194028	0.0190591369	0.21390134
## Max_hist.ADC	0.5163776635	-0.1085620084	0.68717505
## Mean_hist.ADC	0.4189692239	-0.0719659775	0.63462813
## Variance_hist.ADC	0.1966764210	-0.0454221198	0.36621043
## Standard_Deviation_hist.ADC	0.3902241799	-0.0844472194	0.57518102
## Skewness_hist.ADC	0.2569357213	-0.0665842535	0.26222460
## Kurtosis_hist.ADC	0.2282329210	-0.0997143939	0.31721768
## Energy_hist.ADC	0.1627279018	0.3684828681	0.35586146
## Entropy_hist.ADC	0.6412527686	-0.1438064837	0.77700400
## AUC_hist.ADC	0.6324492903	-0.0840417843	0.76932206
## Volume.ADC	0.4501912139	-0.2020628498	0.33568167
## X3D_surface.ADC	0.4329301461	-0.1236251619	0.41003425
## ratio_3ds_vol.ADC	0.2222367514	0.0242226430	0.44632738
## ratio_3ds_vol_norm.ADC	0.5933935997	-0.1201682969	0.73941489
## irregularity.ADC	0.5499457668	-0.0759352347	0.71891631
## Compactness_v1.ADC	0.3320290290	0.2507015448	0.54177650
##	Coarseness_vdif.H.PET	Contrast_vdif.H.PET	
## Failure	0.061013336	0.163340520	
## Entropy_cooc.W.ADC	-0.040382888	-0.015901756	
## GLNU_align.H.PET	0.028400614	-0.100350918	
## Min_hist.PET	0.110841015	-0.275401784	
## Max_hist.PET	0.111802874	-0.331325413	
## Mean_hist.PET	0.101867512	-0.294821723	
## Variance_hist.PET	0.036353009	-0.368000662	
## Standard_Deviation_hist.PET	0.138896400	-0.331743029	
## Skewness_hist.PET	0.300279408	0.002464008	
## Kurtosis_hist.PET	0.142910200	-0.071021140	
## Energy_hist.PET	0.989046202	0.335740982	
## Entropy_hist.PET	0.250022755	0.078092719	
## AUC_hist.PET	0.478474262	0.291160406	
## H_suv.PET	0.245722555	-0.240231240	
## Volume.PET	-0.191498531	-0.138418023	
## X3D_surface.PET	0.075908099	-0.137740317	
## ratio_3ds_vol.PET	0.662564487	0.413274718	
## ratio_3ds_vol_norm.PET	0.622828168	0.157826367	
## irregularity.PET	0.458308535	0.375223732	
## tumor_length.PET	0.282572399	-0.055845559	
## Compactness_v1.PET	0.904609612	0.237583904	
## Compactness_v2.PET	-0.280484176	-0.080348095	
## Spherical_disproportion.PET	0.622828168	0.157826367	
## Sphericity.PET	-0.424825640	-0.082489616	
## Asphericity.PET	0.621334769	0.151439641	
## Center_of_mass.PET	0.143392724	-0.132857012	
## Max_3D_diam.PET	-0.202131286	-0.159716875	
## Major_axis_length.PET	-0.065773123	-0.137509618	
## Minor_axis_length.PET	0.091970025	-0.082115236	
## Least_axis_length.PET	-0.027159310	-0.135890649	
## Elongation.PET	0.476738055	0.304352304	
## Flatness.PET	0.370872009	0.210730307	

## Max_cooc.L.PET	0.993927008	0.285651913
## Average_cooc.L.PET	0.354394286	0.466574753
## Variance_cooc.L.PET	0.341698679	0.449325732
## Entropy_cooc.L.PET	0.352923012	0.251060562
## DAVE_cooc.L.PET	0.379154124	0.414394447
## DVAR_cooc.L.PET	0.421713693	0.333761013
## DENT_cooc.L.PET	0.407878467	0.336438315
## SAVE_cooc.L.PET	0.353315802	0.466449847
## SVAR_cooc.L.PET	0.316849295	0.448414952
## SENT_cooc.L.PET	0.485826494	0.342263527
## ASM_cooc.L.PET	0.995338731	0.263176846
## Contrast_cooc.L.PET	0.334887634	0.390247229
## Dissimilarity_cooc.L.PET	0.379154124	0.414394447
## Inv_diff_cooc.L.PET	0.505340459	0.131069772
## Inv_diff_norm_cooc.L.PET	0.432795796	0.259403773
## IDM_cooc.L.PET	0.559405563	0.101869609
## IDM_norm_cooc.L.PET	0.432661284	0.274337183
## Inv_var_cooc.L.PET	0.556182738	0.098637462
## Correlation_cooc.L.PET	0.268937554	0.133242075
## Autocorrelation_cooc.L.PET	0.300502431	0.531558831
## Tendency_cooc.L.PET	0.316849295	0.448414952
## Shade_cooc.L.PET	0.130059049	-0.047179692
## Prominence_cooc.L.PET	0.262805028	0.373301262
## IC1_.L.PET	0.014729173	-0.504014723
## IC2_.L.PET	0.525939839	0.439491169
## Coarseness_vdif_.L.PET	0.936395333	0.482648508
## Contrast_vdif_.L.PET	0.260573883	0.335500101
## Busyness_vdif_.L.PET	-0.083456147	-0.178223453
## Complexity_vdif_.L.PET	0.450045670	0.345141653
## Strength_vdif_.L.PET	0.360248400	0.421841524
## SRE_align.L.PET	0.443992748	0.300347816
## LRE_align.L.PET	0.419230415	0.258437396
## GLNU_align.L.PET	-0.072781114	-0.185161690
## RLNU_align.L.PET	-0.127273661	-0.198167348
## RP_align.L.PET	0.444566246	0.303007288
## LGRE_align.L.PET	0.668890982	0.087966538
## HGRE_align.L.PET	0.314435124	0.540339330
## LGSRE_align.L.PET	0.679354611	0.093724561
## HGSRE_align.L.PET	0.316523117	0.542386160
## LGHRE_align.L.PET	0.625368293	0.064656177
## HGLRE_align.L.PET	0.304644016	0.529678465
## GLNU_norm_align.L.PET	0.896804202	0.272223311
## RLNU_norm_align.L.PET	0.447348014	0.311602883
## GLVAR_align.L.PET	0.340605621	0.461950281
## RLVAR_align.L.PET	0.793734725	0.140659041
## Entropy_align.L.PET	0.367924221	0.277685631
## SZSE.L.PET	0.452451108	0.305138455
## LZSE.L.PET	0.247875274	0.123778444
## LGLZE.L.PET	0.679542285	0.102920331
## HGLZE.L.PET	0.317536999	0.534914061
## SZLGE.L.PET	0.711352892	0.126953392
## SZHGE.L.PET	0.327445970	0.528414234
## LZLGE.L.PET	0.481505329	-0.002506500
## LZHGE.L.PET	0.214487902	0.428550895

## GLNU_area.L.PET	-0.079367862	-0.185569564
## ZSNU.L.PET	-0.136515254	-0.196093962
## ZSP.L.PET	0.451384271	0.317627762
## GLNU_norm.L.PET	0.899726248	0.270741710
## ZSNU_norm.L.PET	0.454412569	0.329498988
## GLVAR_area.L.PET	0.348310585	0.460310110
## ZSVAR.L.PET	0.299614521	-0.019958945
## Entropy_area.L.PET	0.363038257	0.261272580
## Max_cooc.H.PET	0.426017309	0.595111965
## Average_cooc.H.PET	0.419416658	0.407635914
## Variance_cooc.H.PET	0.295506571	0.090645570
## Entropy_cooc.H.PET	0.263636669	-0.047365669
## DAVE_cooc.H.PET	0.340422572	0.155914084
## DVAR_cooc.H.PET	0.348779056	0.304285579
## DENT_cooc.H.PET	0.179812227	-0.056477826
## SAVE_cooc.H.PET	0.393612665	0.324127117
## SVAR_cooc.H.PET	0.296260822	0.062531106
## SENT_cooc.H.PET	0.588241263	-0.041752823
## ASM_cooc.H.PET	0.523617150	0.587500711
## Contrast_cooc.H.PET	0.315090127	0.158088520
## Dissimilarity_cooc.H.PET	0.340422572	0.155914084
## Inv_diff_cooc.H.PET	0.453931514	0.609220740
## Inv_diff_norm_cooc.H.PET	0.449680681	0.315396728
## IDM_cooc.H.PET	0.429029415	0.639026390
## IDM_norm_cooc.H.PET	0.441884852	0.297067015
## Inv_var_cooc.H.PET	0.880715718	0.027398097
## Correlation_cooc.H.PET	0.270753611	0.087911858
## Autocorrelation_cooc.H.PET	0.422695555	0.485860622
## Tendency_cooc.H.PET	0.258370278	0.046075022
## Shade_cooc.H.PET	-0.156437948	-0.050579848
## Prominence_cooc.H.PET	0.147868513	-0.142744008
## IC1_d.H.PET	0.398873907	-0.018456273
## IC2_d.H.PET	0.329599300	0.083861961
## Coarseness_vdif.H.PET	1.000000000	0.265206399
## Contrast_vdif.H.PET	0.265206399	1.000000000
## Busyness_vdif.H.PET	-0.417298498	-0.091160730
## Complexity_vdif.H.PET	0.671855518	0.300159676
## Strength_vdif.H.PET	0.189410606	0.094051780
## SRE_align.H.PET	0.421669821	0.163198770
## LRE_align.H.PET	0.299136006	0.513180663
## RLNU_align.H.PET	-0.112772316	-0.220606330
## RP_align.H.PET	0.418434220	0.145860816
## LGRE_align.H.PET	0.988802129	0.229744893
## HGRE_align.H.PET	0.418193984	0.492065399
## LGSRE_align.H.PET	0.989158195	0.229603422
## HGSRE_align.H.PET	0.417917659	0.363066980
## LGHRE_align.H.PET	0.986772803	0.234087136
## HGLRE_align.H.PET	0.242786927	0.535797751
## GLNU_norm_align.H.PET	0.458696618	0.678763932
## RLNU_norm_align.H.PET	0.394188052	0.051250490
## GLVAR_align.H.PET	0.270682879	0.050377863
## RLVAR_align.H.PET	0.194692183	0.434582370
## Entropy_align.H.PET	0.288825509	-0.009593864
## SZSE.H.PET	0.364288678	-0.055750580

## LZSE.H.PET	-0.058695472	-0.010537059
## LGLZE.H.PET	0.986904808	0.227295005
## HGLZE.H.PET	0.349872490	0.262119043
## SZLGE.H.PET	0.988167972	0.228193204
## SZHGE.H.PET	0.329094832	0.025519848
## LZLGE.H.PET	0.065562061	0.114345451
## LZHGE.H.PET	-0.008361808	0.101408807
## GLNU_area.H.PET	-0.131792378	-0.175041887
## ZSNU.H.PET	-0.114161353	-0.236430147
## ZSP.H.PET	0.261240741	-0.207140505
## GLNU_norm.H.PET	0.452193337	0.744808589
## ZSNU_norm.H.PET	0.304805240	-0.201467750
## GLVAR_area.H.PET	0.258610218	0.027323011
## ZSVAR_H.PET	-0.037353825	0.070958136
## Entropy_area.H.PET	0.325689844	0.106324652
## Max_cooc.W.PET	0.660490390	0.528824008
## Average_cooc.W.PET	0.108491121	-0.292800219
## Variance_cooc.W.PET	0.048580689	-0.366616662
## Entropy_cooc.W.PET	0.265236361	-0.084775345
## DAVE_cooc.W.PET	0.153115904	-0.295868034
## DVAR_cooc.W.PET	0.049976075	-0.363142207
## DENT_cooc.W.PET	0.287554949	-0.097990109
## SAVE_cooc.W.PET	0.106472115	-0.293394458
## SVAR_cooc.W.PET	0.045485016	-0.356789095
## SENT_cooc.W.PET	0.393687488	-0.016598564
## ASM_cooc.W.PET	0.829623068	0.490936588
## Contrast_cooc.W.PET	0.051092768	-0.359931185
## Dissimilarity_cooc.W.PET	0.153115904	-0.295868034
## Inv_diff_cooc.W.PET	0.465897601	0.628051966
## Inv_diff_norm_cooc.W.PET	0.435218612	0.266205905
## IDM_cooc.W.PET	0.436296385	0.672501189
## IDM_norm_cooc.W.PET	0.433836367	0.276067154
## Inv_var_cooc.W.PET	0.461554551	0.662374860
## Correlation_cooc.W.PET	0.266328615	0.117160672
## Autocorrelation_cooc.W.PET	0.001051197	-0.352881345
## Tendency_cooc.W.PET	0.045485016	-0.356789095
## Shade_cooc.W.PET	0.045562542	-0.200051779
## Prominence_cooc.W.PET	0.016311848	-0.189526017
## IC1_d.W.PET	0.448316959	0.034955424
## IC2_d.W.PET	0.399859063	0.107516789
## Coarseness_vdif.W.PET	0.871508712	0.553883903
## Contrast_vdif.W.PET	0.300694559	-0.144999552
## Busyness_vdif.W.PET	-0.111367684	0.323070541
## Complexity_vdif.W.PET	0.022655034	-0.304873997
## Strength_vdif.W.PET	0.232410362	-0.176626157
## SRE_align.W.PET	0.433305801	0.228626229
## LRE_align.W.PET	0.394036447	0.481770385
## GLNU_align.W.PET	-0.130250791	-0.096574016
## RLNU_align.W.PET	-0.115441217	-0.210893342
## RP_align.W.PET	0.430929106	0.213924668
## LGRE_align.W.PET	0.440345920	0.539572011
## HGRE_align.W.PET	-0.007080573	-0.354160068
## LGSRE_align.W.PET	0.468844277	0.536615391
## HGSRE_align.W.PET	-0.007808485	-0.355966441

## LGHRE_align.W.PET	0.311300909	0.479194727
## HGLRE_align.W.PET	-0.004632150	-0.345747499
## GLNU_norm_align.W.PET	0.565196337	0.652090838
## RLNU_norm_align.W.PET	0.418677987	0.149568866
## GLVAR_align.W.PET	0.033957992	-0.368404684
## RLVAR_align.W.PET	0.340757278	0.498664707
## Entropy_align.W.PET	0.290787292	-0.006689903
## SZSE.W.PET	0.418424575	0.131767891
## LZSE.W.PET	0.106089634	0.410588476
## LGLZE.W.PET	0.456386723	0.575254618
## HGLZE.W.PET	-0.004787410	-0.357933741
## SZLGE.W.PET	0.537547738	0.536574289
## SZHGE.W.PET	-0.005500801	-0.359684122
## LZLGE.W.PET	0.050536661	0.155186172
## LZHGE.W.PET	0.024606038	-0.170135809
## GLNU_area.W.PET	-0.130851126	-0.129897609
## ZSNU.W.PET	-0.112415427	-0.223569493
## ZSP.W.PET	0.363401829	-0.004820836
## GLNU_norm.W.PET	0.573291200	0.712247960
## ZSNU_norm.W.PET	0.370818050	-0.010384730
## GLVAR_area.W.PET	0.039218506	-0.369283815
## ZSVAR.W.PET	0.071804925	0.356603851
## Entropy_area.W.PET	0.313980154	0.064635877
## Min_hist.ADC	0.210371281	0.351340787
## Max_hist.ADC	0.328635380	0.210931630
## Mean_hist.ADC	0.348763460	0.304522286
## Variance_hist.ADC	0.242351545	0.125882138
## Standard_Deviation_hist.ADC	0.326752016	0.199664276
## Skewness_hist.ADC	0.111673785	0.111071558
## Kurtosis_hist.ADC	0.099714023	-0.043172581
## Energy_hist.ADC	0.991857603	0.291438913
## Entropy_hist.ADC	0.351991300	0.173003708
## AUC_hist.ADC	0.443819558	0.278680183
## Volume.ADC	-0.196310523	-0.117674452
## X3D_surface.ADC	0.055479598	-0.104992974
## ratio_3ds_vol.ADC	0.488377359	0.459044513
## ratio_3ds_vol_norm.ADC	0.336806148	0.227601747
## irregularity.ADC	0.451368901	0.354990380
## Compactness_v1.ADC	0.932047228	0.326162588
##	Busyness_vdif.H.PET	Complexity_vdif.H.PET
## Failure	-0.114955042	0.107217255
## Entropy_cooc.W.ADC	-0.046933802	0.021462667
## GLNU_align.H.PET	-0.061889402	-0.015371068
## Min_hist.PET	0.091467174	0.368003222
## Max_hist.PET	0.148883946	0.299780405
## Mean_hist.PET	0.103644179	0.351668165
## Variance_hist.PET	0.023579899	0.143895111
## Standard_Deviation_hist.PET	0.095553523	0.347868487
## Skewness_hist.PET	0.073386068	0.275683564
## Kurtosis_hist.PET	0.015530070	0.054774429
## Energy_hist.PET	-0.418496666	0.690768406
## Entropy_hist.PET	0.291325033	0.458393214
## AUC_hist.PET	0.124706056	0.665831159
## H_suv.PET	0.035338983	0.519420422

## Volume.PET	0.679369641	-0.162066262
## X3D_surface.PET	0.121994346	0.071655187
## ratio_3ds_vol.PET	-0.459470167	0.791798778
## ratio_3ds_vol_norm.PET	-0.405315205	0.698482845
## irregularity.PET	0.051590906	0.673207280
## tumor_length.PET	0.031422570	0.350287229
## Compactness_v1.PET	-0.131580642	0.514960291
## Compactness_v2.PET	0.591149708	-0.397594218
## Spherical_disproportion.PET	-0.405315205	0.698482845
## Sphericity.PET	0.728696218	-0.435262920
## Asphericity.PET	-0.417351185	0.690205421
## Center_of_mass.PET	0.143921237	0.087269997
## Max_3D_diam.PET	0.620339345	-0.152611368
## Major_axis_length.PET	0.447469573	0.001856122
## Minor_axis_length.PET	0.390734857	0.195773200
## Least_axis_length.PET	0.482566071	0.053867739
## Elongation.PET	-0.030609185	0.703093840
## Flatness.PET	0.078777542	0.564366975
## Max_cooc.L.PET	-0.394982041	0.670968680
## Average_cooc.L.PET	-0.022929893	0.671077655
## Variance_cooc.L.PET	-0.139153742	0.622161465
## Entropy_cooc.L.PET	0.156138547	0.629697294
## DAVE_cooc.L.PET	-0.060085588	0.714929488
## DVAR_cooc.L.PET	-0.132360782	0.706307450
## DENT_cooc.L.PET	0.084852975	0.700675906
## SAVE_cooc.L.PET	-0.022438084	0.670542132
## SVAR_cooc.L.PET	-0.125924503	0.551648169
## SENT_cooc.L.PET	0.015765910	0.754811053
## ASM_cooc.L.PET	-0.400863975	0.665081566
## Contrast_cooc.L.PET	-0.141317897	0.650248031
## Dissimilarity_cooc.L.PET	-0.060085588	0.714929488
## Inv_diff_cooc.L.PET	0.115510552	0.502103135
## Inv_diff_norm_cooc.L.PET	0.142319155	0.628260462
## IDM_cooc.L.PET	0.062705278	0.471594501
## IDM_norm_cooc.L.PET	0.135084546	0.642176081
## Inv_var_cooc.L.PET	0.070988792	0.467504236
## Correlation_cooc.L.PET	0.134942418	0.205274072
## Autocorrelation_cooc.L.PET	-0.120914765	0.580773484
## Tendency_cooc.L.PET	-0.125924503	0.551648169
## Shade_cooc.L.PET	-0.032197658	0.114051133
## Prominence_cooc.L.PET	-0.201670358	0.414873224
## IC1_.L.PET	0.051530553	-0.251982289
## IC2_.L.PET	-0.087932440	0.714290813
## Coarseness_vdif_.L.PET	-0.428332653	0.708396107
## Contrast_vdif_.L.PET	-0.144148059	0.384625723
## Busyness_vdif_.L.PET	0.622672286	-0.119013817
## Complexity_vdif_.L.PET	-0.148171980	0.762373620
## Strength_vdif_.L.PET	-0.250842455	0.369573527
## SRE_align.L.PET	0.113378994	0.672038110
## LRE_align.L.PET	0.143423011	0.629660236
## GLNU_align.L.PET	0.447807661	-0.104514919
## RLNU_align.L.PET	0.465380738	-0.130135322
## RP_align.L.PET	0.110932895	0.674721994
## LGRE_align.L.PET	-0.118647010	0.533671835

## HGRE_align.L.PET	-0.101622753	0.612728455
## LGSRE_align.L.PET	-0.125272354	0.545045979
## HGSRE_align.L.PET	-0.103787424	0.614577934
## LGHRE_align.L.PET	-0.093147559	0.486741514
## HGLRE_align.L.PET	-0.092829108	0.603638982
## GLNU_norm_align.L.PET	-0.237411669	0.693877019
## RLNU_norm_align.L.PET	0.101744219	0.683982484
## GLVAR_align.L.PET	-0.128061126	0.641198935
## RLVAR_align.L.PET	-0.131834229	0.556336762
## Entropy_align.L.PET	0.147322461	0.636574290
## SZSE.L.PET	0.109110975	0.660663556
## LZSE.L.PET	0.095408229	0.430317668
## LGLZE.L.PET	-0.122058557	0.552372880
## HGLZE.L.PET	-0.100167801	0.620411792
## SZLGE.L.PET	-0.137578353	0.579991283
## SZHGE.L.PET	-0.097372505	0.617019125
## LZLGE.L.PET	-0.054782866	0.362808703
## LZHGE.L.PET	-0.092819287	0.504103845
## GLNU_area.L.PET	0.464132750	-0.111891124
## ZSNU.L.PET	0.481703891	-0.136873201
## ZSP.L.PET	0.104220053	0.672641649
## GLNU_norm.L.PET	-0.237376452	0.695231211
## ZSNU_norm.L.PET	0.084334850	0.693949411
## GLVAR_area.L.PET	-0.128698534	0.652943497
## ZSVAR.L.PET	0.011910405	0.285413017
## Entropy_area.L.PET	0.157467871	0.626054505
## Max_cooc.H.PET	-0.168001102	0.187783460
## Average_cooc.H.PET	0.098341125	0.622736419
## Variance_cooc.H.PET	0.170850623	0.620766640
## Entropy_cooc.H.PET	0.168068945	0.509887415
## DAVE_cooc.H.PET	0.129097413	0.720555146
## DVAR_cooc.H.PET	0.128544281	0.715603406
## DENT_cooc.H.PET	0.168391223	0.422080355
## SAVE_cooc.H.PET	0.127162971	0.621858586
## SVAR_cooc.H.PET	0.159638291	0.550963304
## SENT_cooc.H.PET	-0.331614132	0.868728979
## ASM_cooc.H.PET	-0.210634141	0.233582859
## Contrast_cooc.H.PET	0.109252100	0.714464995
## Dissimilarity_cooc.H.PET	0.129097413	0.720555146
## Inv_diff_cooc.H.PET	-0.015232335	0.372928057
## Inv_diff_norm_cooc.H.PET	0.113362449	0.638864427
## IDM_cooc.H.PET	-0.042006698	0.308050423
## IDM_norm_cooc.H.PET	0.118676957	0.648304991
## Inv_var_cooc_.H.PET	-0.298578994	0.669139302
## Correlation_cooc.H.PET	0.125221059	0.225761901
## Autocorrelation_cooc.H.PET	0.060136948	0.564288085
## Tendency_cooc.H.PET	0.188920821	0.514582553
## Shade_cooc.H.PET	-0.021734062	-0.378258628
## Prominence_cooc.H.PET	0.178681946	0.368581787
## IC1_d.H.PET	-0.258450527	0.345069589
## IC2_d.H.PET	0.127316383	0.358063009
## Coarseness_vdif.H.PET	-0.417298498	0.671855518
## Contrast_vdif.H.PET	-0.091160730	0.300159676
## Busyness_vdif.H.PET	1.000000000	-0.428872514

## Complexity_vdif.H.PET	-0.428872514	1.000000000
## Strength_vdif.H.PET	-0.092288303	-0.008911422
## SRE_align.H.PET	0.120155381	0.688004914
## LRE_align.H.PET	0.052822485	0.302047748
## RLNU_align.H.PET	0.427472333	-0.111084520
## RP_align.H.PET	0.112637592	0.693228363
## LGRE_align.H.PET	-0.392710936	0.675464513
## HGRE_align.H.PET	0.094307095	0.562486689
## LGSRE_align.H.PET	-0.394316554	0.675083524
## HGSRE_align.H.PET	0.117895819	0.632858267
## LGHRE_align.H.PET	-0.383991032	0.675516835
## HGLRE_align.H.PET	-0.008658934	0.164179464
## GLNU_norm_align.H.PET	-0.106634069	0.344012630
## RLNU_norm_align.H.PET	0.102268427	0.688227382
## GLVAR_align.H.PET	0.175240952	0.586459479
## RLVAR_align.H.PET	-0.019186509	0.053636337
## Entropy_align.H.PET	0.191536514	0.544273228
## SZSE.H.PET	0.131004177	0.618672147
## LZSE.H.PET	-0.059940933	-0.128247114
## LGLZE.H.PET	-0.392509774	0.676385342
## HGLZE.H.PET	0.109541278	0.479878186
## SZLGE.H.PET	-0.395291747	0.674089157
## SZHGE.H.PET	0.147827958	0.540668643
## LZLGE.H.PET	-0.111972488	-0.042524175
## LZHGE.H.PET	-0.073445410	-0.124477283
## GLNU_area.H.PET	0.569020354	-0.121404130
## ZSNU.H.PET	0.371562364	-0.117343785
## ZSP.H.PET	0.111004382	0.537373305
## GLNU_norm.H.PET	-0.114210424	0.377599385
## ZSNU_norm.H.PET	0.092766494	0.567751290
## GLVAR_area.H.PET	0.171236370	0.579465433
## ZSVAR_H.PET	-0.068344800	-0.121805626
## Entropy_area.H.PET	0.202240688	0.560809597
## Max_cooc.W.PET	-0.266093992	0.340430142
## Average_cooc.W.PET	0.100431570	0.335855336
## Variance_cooc.W.PET	0.013373037	0.157924216
## Entropy_cooc.W.PET	0.178788379	0.561045893
## DAVE_cooc.W.PET	0.070763084	0.441096552
## DVAR_cooc.W.PET	0.013821111	0.230063290
## DENT_cooc.W.PET	0.144141986	0.595162006
## SAVE_cooc.W.PET	0.101289423	0.334572968
## SVAR_cooc.W.PET	0.015559199	0.112363208
## SENT_cooc.W.PET	0.072480718	0.682063201
## ASM_cooc.W.PET	-0.338120552	0.464214786
## Contrast_cooc.W.PET	0.006967940	0.262281157
## Dissimilarity_cooc.W.PET	0.070763084	0.441096552
## Inv_diff_cooc.W.PET	0.019584615	0.455531725
## Inv_diff_norm_cooc.W.PET	0.139935342	0.629127825
## IDM_cooc.W.PET	-0.017725157	0.358105058
## IDM_norm_cooc.W.PET	0.134120834	0.643236111
## Inv_var_cooc.W.PET	0.005620186	0.423431157
## Correlation_cooc.W.PET	0.137109216	0.206032374
## Autocorrelation_cooc.W.PET	0.039601699	0.118581502
## Tendency_cooc.W.PET	0.015559199	0.112363208

## Shade_cooc.W.PET	-0.031077964	-0.016812412
## Prominence_cooc.W.PET	-0.038987765	-0.040271790
## IC1_d.W.PET	-0.248041482	0.301937768
## IC2_d.W.PET	0.067726194	0.491275431
## Coarseness_vdif.W.PET	-0.403093584	0.672777721
## Contrast_vdif.W.PET	-0.120456762	0.597045730
## Busyness_vdif.W.PET	0.367481731	-0.150389484
## Complexity_vdif.W.PET	0.008022373	0.047487983
## Strength_vdif.W.PET	-0.159757697	0.299714841
## SRE_align.W.PET	0.121406814	0.679617458
## LRE_align.W.PET	0.086607459	0.494867458
## GLNU_align.W.PET	0.562413524	-0.150162668
## RLNU_align.W.PET	0.442905828	-0.118510321
## RP_align.W.PET	0.119774330	0.684194831
## LGRE_align.W.PET	-0.112319936	0.327429498
## HGRE_align.W.PET	0.052818962	0.117108582
## LGSRE_align.W.PET	-0.115842077	0.374010101
## HGSRE_align.W.PET	0.050526164	0.116298738
## LGHRE_align.W.PET	-0.100536422	0.140681727
## HGLRE_align.W.PET	0.061410380	0.119613726
## GLNU_norm_align.W.PET	-0.163241952	0.395471676
## RLNU_norm_align.W.PET	0.116486897	0.689438157
## GLVAR_align.W.PET	0.025405984	0.141434518
## RLVAR_align.W.PET	-0.076059569	0.159725399
## Entropy_align.W.PET	0.189931682	0.559553198
## SZSE.W.PET	0.132060557	0.656574413
## LZSE.W.PET	-0.090609173	-0.005114677
## LGLZE.W.PET	-0.118190573	0.365963310
## HGLZE.W.PET	0.054399220	0.117395249
## SZLGE.W.PET	-0.124830471	0.471048741
## SZHGE.W.PET	0.050405497	0.109903598
## LZLGE.W.PET	-0.085094442	-0.118007439
## LZHGE.W.PET	0.006726573	0.154545292
## GLNU_area.W.PET	0.582077266	-0.138115930
## ZSNU.W.PET	0.416333105	-0.118476265
## ZSP.W.PET	0.140462284	0.635156149
## GLNU_norm.W.PET	-0.168356744	0.427091425
## ZSNU_norm.W.PET	0.119179261	0.639630789
## GLVAR_area.W.PET	0.024047048	0.146183872
## ZSVAR.W.PET	-0.098937338	-0.057022917
## Entropy_area.W.PET	0.190801289	0.566815463
## Min_hist.ADC	-0.147707970	0.231942133
## Max_hist.ADC	0.215284611	0.506044391
## Mean_hist.ADC	0.089959558	0.556059208
## Variance_hist.ADC	0.130970601	0.264095728
## Standard_Deviation_hist.ADC	0.176486026	0.446028657
## Skewness_hist.ADC	0.164966836	0.075020622
## Kurtosis_hist.ADC	-0.034782563	0.189166167
## Energy_hist.ADC	-0.402765143	0.674269190
## Entropy_hist.ADC	0.156299073	0.593350748
## AUC_hist.ADC	0.194659848	0.637189717
## Volume.ADC	0.670446101	-0.161898334
## X3D_surface.ADC	0.464830968	0.094334002
## ratio_3ds_vol.ADC	-0.062003355	0.576180293

## ratio_3ds_vol_norm.ADC	0.349071427	0.552884890	
## irregularity.ADC	0.085994238	0.674936357	
## Compactness_v1.ADC	-0.353100713	0.765152950	
##	Strength_vdif.H.PET	SRE_align.H.PET	LRE_align.H.PET
## Failure	1.329307e-01	-0.010652473	0.024200895
## Entropy_cooc.W.ADC	-1.798139e-01	0.007116896	0.103058603
## GLNU_align.H.PET	-9.430769e-02	-0.064395747	0.044281021
## Min_hist.PET	-9.986129e-02	0.662552022	-0.087926352
## Max_hist.PET	-1.444419e-01	0.668528817	-0.051899127
## Mean_hist.PET	-1.247384e-01	0.665927930	-0.095986857
## Variance_hist.PET	-1.195072e-01	0.396889829	-0.235183794
## Standard_Deviation_hist.PET	-1.406318e-01	0.672854587	-0.085711538
## Skewness_hist.PET	1.534563e-01	0.497504422	0.426141385
## Kurtosis_hist.PET	8.017796e-02	0.126507968	0.159080482
## Energy_hist.PET	1.656808e-01	0.428683847	0.309731648
## Entropy_hist.PET	-9.209662e-02	0.856057964	0.543687423
## AUC_hist.PET	3.353679e-02	0.965809194	0.647770186
## H_suv.PET	-1.126874e-01	0.705078821	-0.093557149
## Volume.PET	-1.583657e-01	0.337925155	0.146411810
## X3D_surface.PET	-1.112697e-01	0.224974347	0.097441093
## ratio_3ds_vol.PET	2.484100e-01	0.537976888	0.415343227
## ratio_3ds_vol_norm.PET	4.958079e-02	0.549000904	0.419053247
## irregularity.PET	1.046054e-01	0.933131482	0.641870606
## tumor_length.PET	-8.953245e-02	0.591064314	0.378793524
## Compactness_v1.PET	7.999232e-02	0.548340630	0.331118995
## Compactness_v2.PET	-7.974642e-02	0.258860077	0.033190655
## Spherical_disproportion.PET	4.958079e-02	0.549000904	0.419053247
## Sphericity.PET	-9.258750e-02	0.255783918	0.042510897
## Asphericity.PET	4.987724e-02	0.527292009	0.405911793
## Center_of_mass.PET	-8.824870e-02	0.365255865	0.234087648
## Max_3D_diam.PET	-1.411597e-01	0.473680448	0.214420750
## Major_axis_length.PET	-1.304085e-01	0.522680036	0.230525586
## Minor_axis_length.PET	-1.710252e-01	0.652314097	0.384455080
## Least_axis_length.PET	-1.833789e-01	0.559219940	0.297977864
## Elongation.PET	-1.651430e-02	0.823748669	0.582667781
## Flatness.PET	-4.507027e-02	0.767474921	0.523395803
## Max_cooc.L.PET	1.688201e-01	0.448811597	0.340992404
## Average_cooc.L.PET	1.203850e-02	0.799586551	0.490213122
## Variance_cooc.L.PET	1.329573e-01	0.636277650	0.396490414
## Entropy_cooc.L.PET	-2.785062e-02	0.962249700	0.609578000
## DAVE_cooc.L.PET	1.085056e-01	0.771699386	0.383556276
## DVAR_cooc.L.PET	1.397224e-01	0.705519816	0.266728877
## DENT_cooc.L.PET	4.759096e-02	0.958247029	0.582794172
## SAVE_cooc.L.PET	1.190676e-02	0.799410507	0.490049955
## SVAR_cooc.L.PET	1.106566e-01	0.617711809	0.485164960
## SENT_cooc.L.PET	3.630953e-02	0.944909375	0.643012043
## ASM_cooc.L.PET	1.186772e-01	0.425432172	0.308976284
## Contrast_cooc.L.PET	1.504543e-01	0.580041313	0.202230535
## Dissimilarity_cooc.L.PET	1.085056e-01	0.771699386	0.383556276
## Inv_diff_cooc.L.PET	-7.222840e-03	0.811177688	0.606393551
## Inv_diff_norm_cooc.L.PET	1.085404e-02	0.963210846	0.650969504
## IDM_cooc.L.PET	7.028197e-04	0.721557762	0.558578264
## IDM_norm_cooc.L.PET	1.476981e-02	0.968511755	0.648401755
## Inv_var_cooc.L.PET	-1.028451e-03	0.726345163	0.558958045

## Correlation_cooc.L.PET	-5.861020e-02	0.564697080	0.649853162
## Autocorrelation_cooc.L.PET	1.835449e-02	0.585154020	0.395302307
## Tendency_cooc.L.PET	1.106566e-01	0.617711809	0.485164960
## Shade_cooc.L.PET	1.812957e-01	0.285346120	0.326190842
## Prominence_cooc.L.PET	1.708206e-01	0.416777183	0.402778863
## IC1_.L.PET	-1.931092e-01	-0.305408143	-0.326583403
## IC2_.L.PET	1.155186e-01	0.855015249	0.636283288
## Coarseness_vdif_.L.PET	2.034257e-01	0.446402555	0.371674037
## Contrast_vdif_.L.PET	2.125039e-01	0.250690228	0.066139520
## Busyness_vdif_.L.PET	-1.383600e-01	0.329624512	0.121604046
## Complexity_vdif_.L.PET	1.473907e-01	0.744040600	0.320166619
## Strength_vdif_.L.PET	4.034215e-01	0.260497247	0.262818115
## SRE_align.L.PET	2.861977e-02	0.974372120	0.635388659
## LRE_align.L.PET	7.064760e-03	0.961752747	0.647727664
## GLNU_align.L.PET	-1.371320e-01	0.269018581	0.101419171
## RLNU_align.L.PET	-1.485706e-01	0.252389224	0.060673399
## RP_align.L.PET	2.984393e-02	0.974309851	0.635148146
## LGRE_align.L.PET	2.112116e-01	0.608830772	0.420730906
## HGRE_align.L.PET	2.645072e-02	0.614706453	0.382982222
## LGSRE_align.L.PET	2.070417e-01	0.614465876	0.420972801
## HGSRE_align.L.PET	2.960266e-02	0.613819672	0.380012806
## LGHRE_align.L.PET	2.244412e-01	0.583072836	0.417598515
## HGLRE_align.L.PET	1.329906e-02	0.616530884	0.393856201
## GLNU_norm_align.L.PET	1.556438e-01	0.650437748	0.474961364
## RLNU_norm_align.L.PET	3.427405e-02	0.973627213	0.632729147
## GLVAR_align.L.PET	8.591000e-02	0.663303217	0.412672658
## RLVAR_align.L.PET	1.606943e-02	0.610339547	0.465346884
## Entropy_align.L.PET	-2.289328e-02	0.963417995	0.619352279
## SZSE.L.PET	3.965397e-02	0.957402568	0.601889496
## LZSE.L.PET	-3.777642e-02	0.657962824	0.510465814
## LGLZE.L.PET	1.857467e-01	0.620556254	0.426925364
## HGLZE.L.PET	2.818592e-02	0.625752627	0.385322898
## SZLGE.L.PET	1.737819e-01	0.632767826	0.420866725
## SZHGE.L.PET	3.877569e-02	0.625276528	0.366157098
## LZLGE.L.PET	2.266796e-01	0.478373831	0.387476067
## LZHGE.L.PET	-2.185558e-02	0.497280456	0.371703175
## GLNU_area.L.PET	-1.372807e-01	0.272140216	0.095716783
## ZSNU.L.PET	-1.476107e-01	0.255909330	0.052768228
## ZSP.L.PET	4.342048e-02	0.962872070	0.611532678
## GLNU_norm.L.PET	1.475005e-01	0.650771837	0.475160372
## ZSNU_norm.L.PET	5.041177e-02	0.964867795	0.617876139
## GLVAR_area.L.PET	8.346797e-02	0.675399966	0.417458977
## ZSVAR.L.PET	-6.419788e-02	0.423174485	0.338040394
## Entropy_area.L.PET	-3.054712e-02	0.963442010	0.620666174
## Max_cooc.H.PET	5.160983e-01	0.129402070	0.762731091
## Average_cooc.H.PET	1.170478e-01	0.908498904	0.747161436
## Variance_cooc.H.PET	-1.646715e-01	0.918138523	0.284234505
## Entropy_cooc.H.PET	9.015916e-03	0.889990435	0.310992635
## DAVE_cooc.H.PET	-1.119860e-01	0.945032450	0.289940179
## DVAR_cooc.H.PET	-1.072011e-01	0.898076148	0.347275536
## DENT_cooc.H.PET	-1.446455e-01	0.802559547	0.361716181
## SAVE_cooc.H.PET	1.923330e-02	0.932987985	0.698637695
## SVAR_cooc.H.PET	-1.857719e-01	0.860464893	0.438325860
## SENT_cooc.H.PET	-6.822285e-02	0.762025824	0.196554819

## ASM_cooc.H.PET	6.218648e-01	0.126501866	0.719454590
## Contrast_cooc.H.PET	-1.005070e-01	0.866954868	0.192334164
## Dissimilarity_cooc.H.PET	-1.119860e-01	0.945032450	0.289940179
## Inv_diff_cooc.H.PET	2.757060e-01	0.497752613	0.928148825
## Inv_diff_norm_cooc.H.PET	5.237291e-02	0.952823303	0.689977512
## IDM_cooc.H.PET	2.973846e-01	0.378276441	0.916575189
## IDM_norm_cooc.H.PET	3.475200e-02	0.964572077	0.663040535
## Inv_var_cooc_.H.PET	5.203787e-02	0.628033652	0.248170684
## Correlation_cooc.H.PET	-8.642718e-02	0.592719983	0.586493280
## Autocorrelation_cooc.H.PET	2.111943e-01	0.817585160	0.818940677
## Tendency_cooc.H.PET	-1.846346e-01	0.863682998	0.308433673
## Shade_cooc.H.PET	1.259885e-01	-0.466711448	-0.060407834
## Prominence_cooc.H.PET	-1.886087e-01	0.687375085	0.071748887
## IC1_d.H.PET	6.869228e-02	0.018785621	-0.455692687
## IC2_d.H.PET	-8.443197e-02	0.730225638	0.590993806
## Coarseness_vdif.H.PET	1.894106e-01	0.421669821	0.299136006
## Contrast_vdif.H.PET	9.405178e-02	0.163198770	0.513180663
## Busyness_vdif.H.PET	-9.228830e-02	0.120155381	0.052822485
## Complexity_vdif.H.PET	-8.911422e-03	0.688004914	0.302047748
## Strength_vdif.H.PET	1.000000e+00	-0.023780994	0.186407575
## SRE_align.H.PET	-2.378099e-02	1.000000000	0.459393579
## LRE_align.H.PET	1.864076e-01	0.459393579	1.000000000
## RLNU_align.H.PET	-1.441935e-01	0.272999487	0.001492833
## RP_align.H.PET	-2.618685e-02	0.998608297	0.421776015
## LGRE_align.H.PET	9.665853e-02	0.454633272	0.284270736
## HGRE_align.H.PET	2.261134e-01	0.826507340	0.811041874
## LGSRE_align.H.PET	9.732262e-02	0.452382114	0.282446224
## HGSRE_align.H.PET	1.438215e-01	0.930791947	0.643901818
## LGHRE_align.H.PET	9.355863e-02	0.463993217	0.302990993
## HGLRE_align.H.PET	3.638754e-01	0.236440226	0.924049577
## GLNU_norm_align.H.PET	3.894454e-01	0.338612116	0.830589023
## RLNU_norm_align.H.PET	-4.953593e-02	0.980384431	0.299284909
## GLVAR_align.H.PET	-1.749380e-01	0.889200438	0.253936879
## RLVAR_align.H.PET	1.758009e-01	0.073324239	0.863323132
## Entropy_align.H.PET	-1.081864e-01	0.938950352	0.403172454
## SZSE.H.PET	-5.759485e-02	0.935317777	0.252408094
## LZSE.H.PET	1.521621e-01	-0.173662167	0.491455292
## LGLZE.H.PET	9.522621e-02	0.456023920	0.282603052
## HGLZE.H.PET	1.837008e-01	0.792707927	0.749964172
## SZLGE.H.PET	9.778247e-02	0.449392360	0.279958062
## SZHGE.H.PET	9.165882e-02	0.864283619	0.390564695
## LZLGE.H.PET	6.153083e-02	-0.128782132	0.556807619
## LZHGE.H.PET	3.066437e-01	-0.182898735	0.552543435
## GLNU_area.H.PET	-1.497640e-01	0.288054619	0.079565206
## ZSNU.H.PET	-1.301791e-01	0.262436807	-0.070028732
## ZSP.H.PET	-9.837529e-02	0.812292088	-0.040462842
## GLNU_norm.H.PET	2.389341e-01	0.350561626	0.836206201
## ZSNU_norm.H.PET	-7.602344e-02	0.845181172	0.066688364
## GLVAR_area.H.PET	-1.786591e-01	0.871042580	0.230520843
## ZSVAR_H.PET	1.487688e-01	-0.182094329	0.529609781
## Entropy_area.H.PET	-8.035814e-02	0.949512258	0.526291205
## Max_cooc.W.PET	6.207129e-01	0.209134918	0.653553284
## Average_cooc.W.PET	-1.473349e-01	0.656742053	-0.078426449
## Variance_cooc.W.PET	-1.108384e-01	0.397404700	-0.236920205

## Entropy_cooc.W.PET	-1.281965e-01	0.936123375	0.252592749
## DAVE_cooc.W.PET	-1.169849e-01	0.701541445	-0.116520367
## DVAR_cooc.W.PET	-1.049033e-01	0.444420927	-0.254192785
## DENT_cooc.W.PET	-9.645607e-02	0.934480141	0.205239186
## SAVE_cooc.W.PET	-1.475951e-01	0.656040673	-0.079053867
## SVAR_cooc.W.PET	-1.099208e-01	0.360008909	-0.218239034
## SENT_cooc.W.PET	-9.552447e-02	0.953311588	0.339916136
## ASM_cooc.W.PET	5.360241e-01	0.272972514	0.586026620
## Contrast_cooc.W.PET	-1.034819e-01	0.459307745	-0.265049002
## Dissimilarity_cooc.W.PET	-1.169849e-01	0.701541445	-0.116520367
## Inv_diff_cooc.W.PET	1.973941e-01	0.593940612	0.908515868
## Inv_diff_norm_cooc.W.PET	1.722984e-02	0.961788796	0.656818559
## IDM_cooc.W.PET	2.373275e-01	0.435327799	0.912552653
## IDM_norm_cooc.W.PET	1.668156e-02	0.968450212	0.649234017
## Inv_var_cooc.W.PET	1.237768e-01	0.521483395	0.891639514
## Correlation_cooc.W.PET	-7.094714e-02	0.568320543	0.636069383
## Autocorrelation_cooc.W.PET	-1.316127e-01	0.389651432	-0.225446572
## Tendency_cooc.W.PET	-1.099208e-01	0.360008909	-0.218239034
## Shade_cooc.W.PET	-4.916488e-02	0.103495157	-0.140261928
## Prominence_cooc.W.PET	-5.345449e-02	0.070825198	-0.156123929
## IC1_d.W.PET	4.799850e-02	-0.033217033	-0.364753967
## IC2_d.W.PET	-3.583113e-02	0.815330344	0.579945374
## Coarseness_vdif.W.PET	2.561663e-01	0.411650418	0.359492145
## Contrast_vdif.W.PET	-2.233101e-02	0.625411163	-0.125984071
## Busyness_vdif.W.PET	4.066767e-02	0.063530829	0.667603034
## Complexity_vdif.W.PET	-1.038024e-01	0.273122941	-0.195104424
## Strength_vdif.W.PET	4.572256e-02	0.331533215	-0.083615720
## SRE_align.W.PET	-3.222541e-03	0.993000962	0.555566098
## LRE_align.W.PET	1.474572e-01	0.735203139	0.916422787
## GLNU_align.W.PET	-1.285971e-01	0.220166205	0.266310914
## RLNU_align.W.PET	-1.460165e-01	0.264090101	0.028565392
## RP_align.W.PET	-9.143538e-03	0.996369334	0.529088899
## LGRE_align.W.PET	3.639913e-01	0.341070221	0.766323664
## HGRE_align.W.PET	-1.334682e-01	0.393663068	-0.227664310
## LGSRE_align.W.PET	3.221795e-01	0.387635558	0.749110536
## HGSRE_align.W.PET	-1.316805e-01	0.390545629	-0.233297408
## LGHRE_align.W.PET	4.990324e-01	0.149267080	0.800365750
## HGLRE_align.W.PET	-1.413907e-01	0.404466860	-0.200554450
## GLNU_norm_align.W.PET	4.486226e-01	0.352772913	0.794998802
## RLNU_norm_align.W.PET	-3.022613e-02	0.999525070	0.452872911
## GLVAR_align.W.PET	-1.200975e-01	0.396394655	-0.234457315
## RLVAR_align.W.PET	2.455375e-01	0.152312352	0.894012162
## Entropy_align.W.PET	-1.090137e-01	0.948958559	0.377272783
## SZSE.W.PET	-1.792492e-02	0.979575214	0.411036640
## LZSE.W.PET	3.553755e-01	-0.057119881	0.771816267
## LGLZE.W.PET	2.893374e-01	0.360563235	0.797885488
## HGLZE.W.PET	-1.312068e-01	0.397940001	-0.227868477
## SZLGE.W.PET	2.213608e-01	0.464866403	0.742685511
## SZHGE.W.PET	-1.239854e-01	0.388243613	-0.242725348
## LZLGE.W.PET	5.809240e-01	-0.146454280	0.598643576
## LZHGE.W.PET	-1.488340e-01	0.349902573	0.068257774
## GLNU_area.W.PET	-1.476548e-01	0.258470598	0.180129482
## ZSNU.W.PET	-1.372798e-01	0.267641874	-0.023901500
## ZSP.W.PET	-7.276618e-02	0.954402649	0.234304634

## GLNU_norm.W.PET	3.261871e-01	0.369088165	0.813283224
## ZSNU_norm.W.PET	-4.900574e-02	0.949945751	0.242499483
## GLVAR_area.W.PET	-1.194025e-01	0.399613550	-0.230105088
## ZSVAR.W.PET	3.384691e-01	-0.134048035	0.703772187
## Entropy_area.W.PET	-8.397373e-02	0.956025272	0.490688935
## Min_hist.ADC	1.702139e-01	0.310315019	0.237376312
## Max_hist.ADC	-3.043899e-02	0.853458487	0.578729624
## Mean_hist.ADC	4.867713e-02	0.839492202	0.566123375
## Variance_hist.ADC	-6.833265e-02	0.413308969	0.404491384
## Standard_Deviation_hist.ADC	-4.361003e-02	0.691161593	0.539967733
## Skewness_hist.ADC	1.417986e-02	0.218552677	0.136740624
## Kurtosis_hist.ADC	-3.092202e-02	0.278161760	0.129697393
## Energy_hist.ADC	1.359141e-01	0.435798213	0.326885710
## Entropy_hist.ADC	-5.457182e-02	0.932121984	0.590661070
## AUC_hist.ADC	1.426023e-02	0.956241187	0.601257961
## Volume.ADC	-1.527031e-01	0.325698052	0.133759414
## X3D_surface.ADC	-1.327766e-01	0.427846277	0.217415080
## ratio_3ds_vol.ADC	2.010030e-01	0.621196429	0.477941497
## ratio_3ds_vol_norm.ADC	-1.655186e-02	0.920601388	0.577405877
## irregularity.ADC	7.260797e-02	0.935978797	0.618526918
## Compactness_v1.ADC	1.139584e-01	0.667163460	0.475420923
##	RLNU_align.H.PET	RP_align.H.PET	LGRE_align.H.PET
## Failure	-0.1881191924	-0.012556624	0.044948347
## Entropy_cooc.W.ADC	0.1446440410	0.002653566	-0.018512811
## GLNU_align.H.PET	0.2764805883	-0.073137403	0.049885819
## Min_hist.PET	0.4141390150	0.687472635	0.159156752
## Max_hist.PET	0.5703515639	0.688336491	0.184523154
## Mean_hist.PET	0.4732010370	0.690978467	0.167069337
## Variance_hist.PET	0.4511011714	0.424317553	0.102088544
## Standard_Deviation_hist.PET	0.4910112461	0.696646700	0.210022625
## Skewness_hist.PET	0.0090256955	0.483062133	0.273999713
## Kurtosis_hist.PET	0.0288363817	0.115599756	0.131980027
## Energy_hist.PET	-0.1450317430	0.425863881	0.971877686
## Entropy_hist.PET	0.4764376310	0.841947401	0.303349232
## AUC_hist.PET	0.2410777804	0.952941816	0.501861213
## H_suv.PET	0.3240510328	0.732529184	0.306094838
## Volume.PET	0.6860689216	0.330709996	-0.128848049
## X3D_surface.PET	0.8593812891	0.217556390	0.126476711
## ratio_3ds_vol.PET	-0.2848724296	0.534335155	0.615555522
## ratio_3ds_vol_norm.PET	0.1475315476	0.536674287	0.633744672
## irregularity.PET	0.0905436894	0.922526420	0.460105593
## tumor_length.PET	0.7030574035	0.578128221	0.348201102
## Compactness_v1.PET	0.0642371025	0.543616685	0.921636187
## Compactness_v2.PET	0.3335870682	0.259767960	-0.238668737
## Spherical_disproportion.PET	0.1475315476	0.536674287	0.633744672
## Sphericity.PET	0.3479904168	0.256149907	-0.386294193
## Asphericity.PET	0.1422747522	0.515127503	0.631652005
## Center_of_mass.PET	0.6425169355	0.357761909	0.189384993
## Max_3D_diam.PET	0.8204171827	0.465657196	-0.123025193
## Major_axis_length.PET	0.8514460858	0.516228235	0.017891200
## Minor_axis_length.PET	0.7460585519	0.637345873	0.168037962
## Least_axis_length.PET	0.8224656662	0.546735260	0.050774556
## Elongation.PET	0.0208467438	0.810234092	0.480830279
## Flatness.PET	0.1363819301	0.754563266	0.382789179

## Max_cooc.L.PET	-0.0903637388	0.443056242	0.986688737
## Average_cooc.L.PET	0.0381132352	0.797971616	0.373964370
## Variance_cooc.L.PET	-0.2298658545	0.639151033	0.306672963
## Entropy_cooc.L.PET	0.2560426392	0.951551373	0.388213077
## DAVE_cooc.L.PET	-0.1394212379	0.777362159	0.357753872
## DVAR_cooc.L.PET	-0.1316824696	0.716155077	0.394233364
## DENT_cooc.L.PET	0.1209849010	0.952085505	0.419783456
## SAVE_cooc.L.PET	0.0382323177	0.797800634	0.372894827
## SVAR_cooc.L.PET	-0.1849113366	0.613785766	0.288524588
## SENT_cooc.L.PET	0.1550086905	0.933871126	0.501870322
## ASM_cooc.L.PET	-0.0799704203	0.420414161	0.993419773
## Contrast_cooc.L.PET	-0.2703129657	0.593328256	0.293931545
## Dissimilarity_cooc.L.PET	-0.1394212379	0.777362159	0.357753872
## Inv_diff_cooc.L.PET	0.3895232693	0.791889691	0.547895328
## Inv_diff_norm_cooc.L.PET	0.2824863326	0.949170530	0.462758564
## IDM_cooc.L.PET	0.3776518177	0.702235347	0.600793440
## IDM_norm_cooc.L.PET	0.2623736426	0.955286196	0.460443416
## Inv_var_cooc.L.PET	0.3820954465	0.706579527	0.598897330
## Correlation_cooc.L.PET	0.4009208948	0.535515932	0.310570117
## Autocorrelation_cooc.L.PET	-0.0897753574	0.585453358	0.311386515
## Tendency_cooc.L.PET	-0.1849113366	0.613785766	0.288524588
## Shade_cooc.L.PET	-0.1627345646	0.277916544	0.086745822
## Prominence_cooc.L.PET	-0.3209758029	0.412882945	0.211462037
## IC1_.L.PET	0.2515226392	-0.305093618	0.080649776
## IC2_.L.PET	-0.0108184498	0.845239347	0.513431917
## Coarseness_vdif_.L.PET	-0.2435101588	0.443587241	0.902802131
## Contrast_vdif_.L.PET	-0.2337702209	0.262077616	0.197396229
## Busyness_vdif_.L.PET	0.9068345598	0.322593416	-0.024307771
## Complexity_vdif_.L.PET	-0.1568353965	0.752170843	0.417218399
## Strength_vdif_.L.PET	-0.3913951396	0.262480307	0.262442809
## SRE_align.L.PET	0.2183774585	0.963018005	0.466342305
## LRE_align.L.PET	0.2884224385	0.948301865	0.449102777
## GLNU_align.L.PET	0.9385562442	0.261286775	-0.010081092
## RLNU_align.L.PET	0.9852747142	0.247349202	-0.057940402
## RP_align.L.PET	0.2136331994	0.963120604	0.466402449
## LGRE_align.L.PET	-0.0007383310	0.597121103	0.632702317
## HGRE_align.L.PET	-0.0782741801	0.617386071	0.323408262
## LGSRE_align.L.PET	-0.0054589074	0.602995991	0.643436658
## HGSRE_align.L.PET	-0.0860312699	0.616729221	0.324201900
## LGHRE_align.L.PET	0.0186565316	0.570426307	0.588738581
## HGLRE_align.L.PET	-0.0457598487	0.618290194	0.318926015
## GLNU_norm_align.L.PET	0.0114318667	0.640118052	0.891023792
## RLNU_norm_align.L.PET	0.1968906651	0.963018714	0.467405395
## GLVAR_align.L.PET	-0.1829943265	0.665445674	0.318041314
## RLVAR_align.L.PET	0.2710969018	0.594942046	0.828204081
## Entropy_align.L.PET	0.2634358843	0.952503217	0.402481800
## SZSE.L.PET	0.1917167291	0.946874601	0.471507443
## LZSE.L.PET	0.2970640965	0.646236948	0.281279440
## LGLZE.L.PET	-0.0001390389	0.608817799	0.646030273
## HGLZE.L.PET	-0.0796038899	0.628695182	0.325949400
## SZLGE.L.PET	-0.0171948677	0.621765374	0.678655228
## SZHGE.L.PET	-0.0973643334	0.628736065	0.332303695
## LZLGE.L.PET	0.0715059142	0.464772284	0.449961135
## LZHGE.L.PET	0.0198382008	0.497816015	0.236764895

## GLNU_area.L.PET	0.9489240615	0.264565110	-0.016208893
## ZSNU.L.PET	0.9824754803	0.251261308	-0.067167067
## ZSP.L.PET	0.1776185942	0.952933138	0.468674180
## GLNU_norm.L.PET	0.0137751243	0.640376215	0.895029078
## ZSNU_norm.L.PET	0.1555866973	0.956241062	0.469418335
## GLVAR_area.L.PET	-0.1816544474	0.677765045	0.326907745
## ZSVAR.L.PET	0.3513961114	0.409473130	0.342911320
## Entropy_area.L.PET	0.2872987447	0.951725789	0.400486238
## Max_cooc.H.PET	-0.2863947855	0.098102342	0.355202026
## Average_cooc.H.PET	0.1212271124	0.889945580	0.422597342
## Variance_cooc.H.PET	0.4174557647	0.923708786	0.359150497
## Entropy_cooc.H.PET	0.2872176768	0.893071732	0.299192623
## DAVE_cooc.H.PET	0.2179175050	0.953536954	0.378619521
## DVAR_cooc.H.PET	0.1983054199	0.904264202	0.391642534
## DENT_cooc.H.PET	0.3866614467	0.799605370	0.224557105
## SAVE_cooc.H.PET	0.1698144218	0.916839061	0.410509705
## SVAR_cooc.H.PET	0.4423253605	0.855801579	0.361365402
## SENT_cooc.H.PET	0.1761787589	0.771628644	0.623999756
## ASM_cooc.H.PET	-0.2531409940	0.098477830	0.453789966
## Contrast_cooc.H.PET	0.1751837104	0.881378942	0.353406384
## Dissimilarity_cooc.H.PET	0.2179175050	0.953536954	0.378619521
## Inv_diff_cooc.H.PET	-0.0517659272	0.459650198	0.425626326
## Inv_diff_norm_cooc.H.PET	0.2267401319	0.937515134	0.469983494
## IDM_cooc.H.PET	-0.1154491636	0.338098036	0.392160944
## IDM_norm_cooc.H.PET	0.2339069785	0.950925903	0.464351371
## Inv_var_cooc.H.PET	0.1567867352	0.630221877	0.907477121
## Correlation_cooc.H.PET	0.4414527514	0.567481362	0.318587476
## Autocorrelation_cooc.H.PET	0.0464877454	0.793300279	0.409852412
## Tendency_cooc.H.PET	0.5110369783	0.863973594	0.330008853
## Shade_cooc.H.PET	-0.2470898337	-0.470160116	-0.215918789
## Prominence_cooc.H.PET	0.5963325882	0.696399907	0.233555437
## IC1_d.H.PET	-0.2231061562	0.049404757	0.388721614
## IC2_d.H.PET	0.4205183781	0.710125839	0.374637371
## Coarseness_vdif.H.PET	-0.1127723161	0.418434220	0.988802129
## Contrast_vdif.H.PET	-0.2206063304	0.145860816	0.229744893
## Busyness_vdif.H.PET	0.4274723328	0.112637592	-0.392710936
## Complexity_vdif.H.PET	-0.1110845205	0.693228363	0.675464513
## Strength_vdif.H.PET	-0.1441934708	-0.026186851	0.096658534
## SRE_align.H.PET	0.2729994874	0.998608297	0.454633272
## LRE_align.H.PET	0.0014928326	0.421776015	0.284270736
## RLNU_align.H.PET	1.0000000000	0.273753591	-0.039950275
## RP_align.H.PET	0.2737535905	1.0000000000	0.451985244
## LGRE_align.H.PET	-0.0399502749	0.451985244	1.0000000000
## HGRE_align.H.PET	0.0727643896	0.804184662	0.405694424
## LGSRE_align.H.PET	-0.0425192155	0.449809817	0.999989793
## HGSRE_align.H.PET	0.1318766777	0.919441466	0.417104172
## LGHRE_align.H.PET	-0.0277896830	0.460370704	0.999531929
## HGLRE_align.H.PET	-0.0979182453	0.196638892	0.206032543
## GLNU_norm_align.H.PET	-0.2596807688	0.304590789	0.397523443
## RLNU_norm_align.H.PET	0.2880705147	0.988754417	0.432360840
## GLVAR_align.H.PET	0.4417477211	0.895263188	0.341380801
## RLVAR_align.H.PET	-0.1093308932	0.029112868	0.169898547
## Entropy_align.H.PET	0.4587435547	0.938335117	0.352238102
## SZSE.H.PET	0.3262378995	0.944083503	0.407315601

## LZSE.H.PET	-0.1008819993	-0.188996950	-0.079642106
## LGLZE.H.PET	-0.0385182570	0.453513069	0.999798048
## HGLZE.H.PET	0.1422923559	0.771795352	0.343977867
## SZLGE.H.PET	-0.0458121270	0.446923010	0.999786339
## SZHGE.H.PET	0.1758664164	0.865542679	0.333114665
## LZLGE.H.PET	-0.1103226513	-0.149429215	0.053530450
## LZHGE.H.PET	-0.1220539853	-0.200923228	-0.040883975
## GLNU_area.H.PET	0.9463379270	0.281125745	-0.069067102
## ZSNU.H.PET	0.9754552745	0.269512893	-0.040631869
## ZSP.H.PET	0.3341333227	0.836721229	0.309578846
## GLNU_norm.H.PET	-0.2505175502	0.315941637	0.404316730
## ZSNU_norm.H.PET	0.3338664659	0.865108239	0.352127205
## GLVAR_area.H.PET	0.4318873153	0.877815371	0.331119695
## ZSVAR.H.PET	-0.1134631346	-0.199483573	-0.058258786
## Entropy_area.H.PET	0.4084792761	0.939849030	0.380140883
## Max_cooc.W.PET	-0.2521605761	0.186358698	0.592210809
## Average_cooc.W.PET	0.5090587121	0.679906444	0.192975112
## Variance_cooc.W.PET	0.4146141612	0.425344482	0.107787005
## Entropy_cooc.W.PET	0.4391286874	0.944362781	0.327494259
## DAVE_cooc.W.PET	0.3548978806	0.730282843	0.211270094
## DVAR_cooc.W.PET	0.3281664548	0.476267563	0.109007414
## DENT_cooc.W.PET	0.3710093451	0.946862969	0.339928397
## SAVE_cooc.W.PET	0.5093424174	0.679219689	0.190976005
## SVAR_cooc.W.PET	0.4426015706	0.384860433	0.103867055
## SENT_cooc.W.PET	0.3737147007	0.957372694	0.444655749
## ASM_cooc.W.PET	-0.2015280577	0.254446536	0.778886433
## Contrast_cooc.W.PET	0.3044097709	0.492844165	0.107170395
## Dissimilarity_cooc.W.PET	0.3548978806	0.730282843	0.211270094
## Inv_diff_cooc.W.PET	-0.0321086756	0.557651241	0.445294903
## Inv_diff_norm_cooc.W.PET	0.2779795774	0.947498613	0.464147237
## IDM_cooc.W.PET	-0.1055606391	0.395661250	0.405158434
## IDM_norm_cooc.W.PET	0.2609107084	0.955206959	0.461238200
## Inv_var_cooc.W.PET	-0.0649957643	0.482726428	0.442384551
## Correlation_cooc.W.PET	0.4079258357	0.539783630	0.309809474
## Autocorrelation_cooc.W.PET	0.4993801190	0.415870215	0.085084119
## Tendency_cooc.W.PET	0.4426015706	0.384860433	0.103867055
## Shade_cooc.W.PET	0.2228747706	0.115652740	0.065561028
## Prominence_cooc.W.PET	0.2259464523	0.083310994	0.043349329
## IC1_d.W.PET	-0.1688655726	-0.011880393	0.445013546
## IC2_d.W.PET	0.3238318905	0.801616527	0.434499023
## Coarseness_vdif.W.PET	-0.2621813757	0.410312745	0.825665130
## Contrast_vdif.W.PET	0.0155811321	0.657414411	0.313937381
## Busyness_vdif.W.PET	0.1331723775	0.024322212	-0.124087424
## Complexity_vdif.W.PET	0.4622997587	0.293791979	0.084512501
## Strength_vdif.W.PET	-0.1262989675	0.349453957	0.200780011
## SRE_align.W.PET	0.2548611284	0.986119684	0.462006655
## LRE_align.W.PET	0.1037627074	0.704297974	0.394244389
## GLNU_align.W.PET	0.8094599701	0.198735355	-0.080664331
## RLNU_align.W.PET	0.9966903382	0.262111937	-0.044413541
## RP_align.W.PET	0.2595057227	0.991195996	0.460662438
## LGRE_align.W.PET	-0.2814455253	0.308947989	0.367564136
## HGRE_align.W.PET	0.5046399804	0.420141374	0.076984279
## LGSRE_align.W.PET	-0.2765833288	0.356734581	0.398724739
## HGSRE_align.W.PET	0.4983546719	0.417415021	0.075295432

## LGHRE_align.W.PET	-0.2785008958	0.114868647	0.234052947
## HGLRE_align.W.PET	0.5298703951	0.429041890	0.083370078
## GLNU_norm_align.W.PET	-0.2619467342	0.322024021	0.502154825
## RLNU_norm_align.W.PET	0.2758160173	0.998884687	0.452291470
## GLVAR_align.W.PET	0.4525781740	0.423708291	0.100083352
## RLVAR_align.W.PET	-0.1236703266	0.110029588	0.312287757
## Entropy_align.W.PET	0.4506689104	0.950104242	0.352744536
## SZSE.W.PET	0.2847851774	0.979980167	0.451293967
## LZSE.W.PET	-0.1608593975	-0.087021066	0.065847755
## LGLZE.W.PET	-0.2752221478	0.326926205	0.392911206
## HGLZE.W.PET	0.5012280213	0.424561487	0.077898532
## SZLGE.W.PET	-0.2469534127	0.435564781	0.482992936
## SZHGE.W.PET	0.4821326080	0.415657664	0.073640405
## LZLGE.W.PET	-0.1683654952	-0.166126121	-0.009801465
## LZHGE.W.PET	0.4689940814	0.358427264	0.110077304
## GLNU_area.W.PET	0.8793698715	0.243102529	-0.074495381
## ZSNU.W.PET	0.9961614699	0.270208116	-0.040447015
## ZSP.W.PET	0.3263154716	0.964572314	0.404922682
## GLNU_norm.W.PET	-0.2591214748	0.337687448	0.520482450
## ZSNU_norm.W.PET	0.3236020135	0.961335119	0.410514139
## GLVAR_area.W.PET	0.4478077106	0.426668130	0.105241331
## ZSVAR.W.PET	-0.1699347170	-0.161009175	0.032199727
## Entropy_area.W.PET	0.4200898280	0.950004421	0.370607405
## Min_hist.ADC	-0.0854380944	0.309570422	0.204353416
## Max_hist.ADC	0.2899517531	0.840079939	0.357678155
## Mean_hist.ADC	0.1476362386	0.828768295	0.356518877
## Variance_hist.ADC	0.2498996396	0.400914616	0.260588555
## Standard_Deviation_hist.ADC	0.2712292703	0.677650934	0.348688325
## Skewness_hist.ADC	0.1724519633	0.214539299	0.144955652
## Kurtosis_hist.ADC	0.1365281325	0.274874390	0.112543619
## Energy_hist.ADC	-0.0958390261	0.430693764	0.987513514
## Entropy_hist.ADC	0.3086834435	0.920040215	0.389535780
## AUC_hist.ADC	0.2755823580	0.945307695	0.474626872
## Volume.ADC	0.6682972839	0.319023208	-0.136339763
## X3D_surface.ADC	0.4667409229	0.418942806	0.103735203
## ratio_3ds_vol.ADC	-0.0697154605	0.615893089	0.466251343
## ratio_3ds_vol_norm.ADC	0.3340139053	0.908617999	0.367040171
## irregularity.ADC	0.1619204905	0.926793496	0.466277241
## Compactness_v1.ADC	-0.0274479993	0.659426856	0.936189621
##	HGRE_align.H.PET	LGSRE_align.H.PET	
## Failure	0.0438000434	0.045531832	
## Entropy_cooc.W.ADC	0.0021573817	-0.019313435	
## GLNU_align.H.PET	-0.0687341246	0.049189633	
## Min_hist.PET	0.2717151410	0.157877841	
## Max_hist.PET	0.2693529261	0.182439961	
## Mean_hist.PET	0.2508580187	0.165384323	
## Variance_hist.PET	0.0070113547	0.100812985	
## Standard_Deviation_hist.PET	0.2472334507	0.208102873	
## Skewness_hist.PET	0.5984659204	0.273595711	
## Kurtosis_hist.PET	0.2125278497	0.132088834	
## Energy_hist.PET	0.4445759359	0.972332278	
## Entropy_hist.PET	0.7463253512	0.300441618	
## AUC_hist.PET	0.9227577604	0.499477571	
## H_suv.PET	0.2834261871	0.304802526	

## Volume.PET	0.2260919817	-0.131244176
## X3D_surface.PET	0.1093284144	0.124393902
## ratio_3ds_vol.PET	0.6407943167	0.615707388
## ratio_3ds_vol_norm.PET	0.5406112104	0.632470185
## irregularity.PET	0.9432028689	0.458195577
## tumor_length.PET	0.4657472183	0.345347214
## Compactness_v1.PET	0.4940817731	0.921273637
## Compactness_v2.PET	0.1639492274	-0.240087238
## Spherical_disproportion.PET	0.5406112104	0.632470185
## Sphericity.PET	0.1717500896	-0.387837875
## Asphericity.PET	0.5204474958	0.630435560
## Center_of_mass.PET	0.2668603924	0.186930279
## Max_3D_diam.PET	0.3242738635	-0.126120079
## Major_axis_length.PET	0.3565339661	0.014874318
## Minor_axis_length.PET	0.5042547559	0.164742363
## Least_axis_length.PET	0.3889477297	0.047384557
## Elongation.PET	0.7973338776	0.479060422
## Flatness.PET	0.6999948309	0.380635993
## Max_cooc.L.PET	0.4606519177	0.986875183
## Average_cooc.L.PET	0.7407040252	0.372109870
## Variance_cooc.L.PET	0.6597866061	0.306511159
## Entropy_cooc.L.PET	0.8778471500	0.385670674
## DAVE_cooc.L.PET	0.7274660478	0.357384681
## DVAR_cooc.L.PET	0.6366550486	0.394298797
## DENT_cooc.L.PET	0.9012298394	0.417899257
## SAVE_cooc.L.PET	0.7405211323	0.371039237
## SVAR_cooc.L.PET	0.6793800552	0.287890684
## SENT_cooc.L.PET	0.9068703596	0.499677221
## ASM_cooc.L.PET	0.4155327339	0.993646232
## Contrast_cooc.L.PET	0.5397887451	0.294541201
## Dissimilarity_cooc.L.PET	0.7274660478	0.357384681
## Inv_diff_cooc.L.PET	0.7696753194	0.545089884
## Inv_diff_norm_cooc.L.PET	0.9121301782	0.460122016
## IDM_cooc.L.PET	0.6872766996	0.598233880
## IDM_norm_cooc.L.PET	0.9174700228	0.457886016
## Inv_var_cooc.L.PET	0.6914918608	0.596335466
## Correlation_cooc.L.PET	0.6200821445	0.307260723
## Autocorrelation_cooc.L.PET	0.5682344769	0.310022520
## Tendency_cooc.L.PET	0.6793800552	0.287890684
## Shade_cooc.L.PET	0.4143268018	0.087032496
## Prominence_cooc.L.PET	0.5439205300	0.211689995
## IC1_.L.PET	-0.4848956904	0.081047226
## IC2_.L.PET	0.8914455419	0.511780802
## Coarseness_vdif_.L.PET	0.5231127547	0.903250688
## Contrast_vdif_.L.PET	0.2869889563	0.198362107
## Busyness_vdif_.L.PET	0.1957654479	-0.026710619
## Complexity_vdif_.L.PET	0.6893008382	0.417314079
## Strength_vdif_.L.PET	0.4576144251	0.263512658
## SRE_align.L.PET	0.9232740427	0.463994262
## LRE_align.L.PET	0.9067567890	0.446420613
## GLNU_align.L.PET	0.1373812065	-0.012730932
## RLNU_align.L.PET	0.0923620824	-0.060689242
## RP_align.L.PET	0.9237066934	0.464071173
## LGRE_align.L.PET	0.6379429348	0.632602968

## HGRE_align.L.PET	0.5873661418	0.322111464
## LGSRE_align.L.PET	0.6410991490	0.643358464
## HGSRE_align.L.PET	0.5877931621	0.322952930
## LGHRE_align.L.PET	0.6214040222	0.588550524
## HGLRE_align.L.PET	0.5835654297	0.317434898
## GLNU_norm_align.L.PET	0.6671761488	0.890503967
## RLNU_norm_align.L.PET	0.9242151549	0.465139434
## GLVAR_align.L.PET	0.6631491887	0.317571793
## RLVAR_align.L.PET	0.5626345870	0.826476937
## Entropy_align.L.PET	0.8853419479	0.399854048
## SZSE.L.PET	0.9069869427	0.469414603
## LZSE.L.PET	0.6113462729	0.278635243
## LGLZE.L.PET	0.6453324775	0.645895224
## HGLZE.L.PET	0.5964158995	0.324646973
## SZLGE.L.PET	0.6516522495	0.678613392
## SZHGE.L.PET	0.5972032594	0.331189151
## LZLGE.L.PET	0.5273001473	0.449473914
## LZHGE.L.PET	0.4621435704	0.234967139
## GLNU_area.L.PET	0.1376278213	-0.018846190
## ZSNU.L.PET	0.0931865302	-0.069866210
## ZSP.L.PET	0.9160334601	0.466589138
## GLNU_norm.L.PET	0.6653206374	0.894499390
## ZSNU_norm.L.PET	0.9184476646	0.467338120
## GLVAR_area.L.PET	0.6717760323	0.326404192
## ZSVAR.L.PET	0.3582507467	0.340620849
## Entropy_area.L.PET	0.8820613617	0.397773159
## Max_cooc.H.PET	0.6278452199	0.355475053
## Average_cooc.H.PET	0.9788045918	0.420484133
## Variance_cooc.H.PET	0.6203262314	0.356287030
## Entropy_cooc.H.PET	0.6664692310	0.297180758
## DAVE_cooc.H.PET	0.6892845656	0.376842582
## DVAR_cooc.H.PET	0.6987941392	0.389828281
## DENT_cooc.H.PET	0.6137223182	0.222309323
## SAVE_cooc.H.PET	0.9374893035	0.408176664
## SVAR_cooc.H.PET	0.6520717744	0.358180820
## SENT_cooc.H.PET	0.4826615420	0.622566735
## ASM_cooc.H.PET	0.5933750812	0.454054390
## Contrast_cooc.H.PET	0.5883775498	0.352020208
## Dissimilarity_cooc.H.PET	0.6892845656	0.376842582
## Inv_diff_cooc.H.PET	0.8741687593	0.424114774
## Inv_diff_norm_cooc.H.PET	0.9425975347	0.467518392
## IDM_cooc.H.PET	0.8078991689	0.390972234
## IDM_norm_cooc.H.PET	0.9314027008	0.461891366
## Inv_var_cooc.H.PET	0.4619947210	0.906768295
## Correlation_cooc.H.PET	0.5896071772	0.315116718
## Autocorrelation_cooc.H.PET	0.9888333265	0.407970815
## Tendency_cooc.H.PET	0.5820937349	0.326603211
## Shade_cooc.H.PET	-0.1995364591	-0.213173050
## Prominence_cooc.H.PET	0.3166941688	0.230137546
## IC1_d.H.PET	-0.1876354954	0.391373238
## IC2_d.H.PET	0.6789293659	0.371258201
## Coarseness_vdif.H.PET	0.4181939838	0.989158195
## Contrast_vdif.H.PET	0.4920653985	0.229603422
## Busyness_vdif.H.PET	0.0943070951	-0.394316554

## Complexity_vdif.H.PET	0.5624866886	0.675083524
## Strength_vdif.H.PET	0.2261134112	0.097322624
## SRE_align.H.PET	0.8265073403	0.452382114
## LRE_align.H.PET	0.8110418745	0.282446224
## RLNU_align.H.PET	0.0727643896	-0.042519215
## RP_align.H.PET	0.8041846621	0.449809817
## LGRE_align.H.PET	0.4056944238	0.999989793
## HGRE_align.H.PET	1.0000000000	0.403793706
## LGSRE_align.H.PET	0.4037937062	1.000000000
## HGSRE_align.H.PET	0.9611947598	0.415235074
## LGHRE_align.H.PET	0.4185716198	0.999399782
## HGLRE_align.H.PET	0.6784785114	0.204787905
## GLNU_norm_align.H.PET	0.7853575434	0.397342772
## RLNU_norm_align.H.PET	0.7140368674	0.430368527
## GLVAR_align.H.PET	0.5745621054	0.338412517
## RLVAR_align.H.PET	0.5097065440	0.168765994
## Entropy_align.H.PET	0.6962610182	0.349255687
## SZSE.H.PET	0.6452073356	0.405356914
## LZSE.H.PET	0.0732526683	-0.079766410
## LGLZE.H.PET	0.4044391503	0.999751794
## HGLZE.H.PET	0.9128220541	0.342167253
## SZLGE.H.PET	0.4009580106	0.999802546
## SZHGE.H.PET	0.7456692629	0.331690711
## LZLGE.H.PET	0.1377052234	0.053140967
## LZHGE.H.PET	0.1224631428	-0.040996305
## GLNU_area.H.PET	0.1388875138	-0.071749323
## ZSNU.H.PET	0.0337147825	-0.042841056
## ZSP.H.PET	0.4051960467	0.308209353
## GLNU_norm.H.PET	0.7659086850	0.403949610
## ZSNU_norm.H.PET	0.4695535711	0.350494003
## GLVAR_area.H.PET	0.5527417215	0.328216000
## ZSVAR.H.PET	0.0922084567	-0.058405530
## Entropy_area.H.PET	0.7965632943	0.377145881
## Max_cooc.W.PET	0.6043463363	0.592625550
## Average_cooc.W.PET	0.2348771907	0.190785700
## Variance_cooc.W.PET	0.0120384506	0.106649144
## Entropy_cooc.W.PET	0.6181328694	0.324938269
## DAVE_cooc.W.PET	0.2688855476	0.209957762
## DVAR_cooc.W.PET	0.0389090219	0.108164912
## DENT_cooc.W.PET	0.6057298168	0.337808376
## SAVE_cooc.W.PET	0.2341126597	0.188785576
## SVAR_cooc.W.PET	-0.0001943203	0.102609192
## SENT_cooc.W.PET	0.6819050086	0.442168052
## ASM_cooc.W.PET	0.5670535063	0.779238369
## Contrast_cooc.W.PET	0.0424916652	0.106448034
## Dissimilarity_cooc.W.PET	0.2688855476	0.209957762
## Inv_diff_cooc.W.PET	0.9133990468	0.443574773
## Inv_diff_norm_cooc.W.PET	0.9158709080	0.461520737
## IDM_cooc.W.PET	0.8350302307	0.403791015
## IDM_norm_cooc.W.PET	0.9182450398	0.458685840
## Inv_var_cooc.W.PET	0.8591958198	0.440790748
## Correlation_cooc.W.PET	0.6114417137	0.306486940
## Autocorrelation_cooc.W.PET	-0.0002817599	0.083455875
## Tendency_cooc.W.PET	-0.0001943203	0.102609192

## Shade_cooc.W.PET	-0.0606152475	0.065054033
## Prominence_cooc.W.PET	-0.0923172169	0.042816068
## IC1_d.W.PET	-0.1742211224	0.447515596
## IC2_d.W.PET	0.7361022225	0.431475014
## Coarseness_vdif.W.PET	0.5233570426	0.826214799
## Contrast_vdif.W.PET	0.2605712951	0.313924842
## Busyness_vdif.W.PET	0.4234946327	-0.125115413
## Complexity_vdif.W.PET	-0.0278873637	0.083347460
## Strength_vdif.W.PET	0.1446444698	0.201084709
## SRE_align.W.PET	0.8804571108	0.459659082
## LRE_align.W.PET	0.9460279487	0.391884415
## GLNU_align.W.PET	0.2072273344	-0.083443812
## RLNU_align.W.PET	0.0822250881	-0.047071852
## RP_align.W.PET	0.8671143827	0.458344372
## LGRE_align.W.PET	0.7519727583	0.367904975
## HGRE_align.W.PET	0.0019320457	0.075369609
## LGSRE_align.W.PET	0.7666175245	0.399063143
## HGSRE_align.W.PET	-0.0016333748	0.073727300
## LGHRE_align.W.PET	0.6429925607	0.234363878
## HGLRE_align.W.PET	0.0165515912	0.081550055
## GLNU_norm_align.W.PET	0.7748298090	0.502130935
## RLNU_norm_align.W.PET	0.8181384489	0.450054941
## GLVAR_align.W.PET	0.0071220366	0.098794182
## RLVAR_align.W.PET	0.5858537207	0.311214659
## Entropy_align.W.PET	0.6936655583	0.349857938
## SZSE.W.PET	0.7922236798	0.449220011
## LZSE.W.PET	0.3700823577	0.065309897
## LGLZE.W.PET	0.7610357029	0.393104314
## HGLZE.W.PET	0.0057239781	0.076294440
## SZLGE.W.PET	0.7805852017	0.483199104
## SZHGE.W.PET	-0.0023653624	0.072179243
## LZLGE.W.PET	0.2516963480	-0.009575857
## LZHGE.W.PET	0.0935515956	0.107521144
## GLNU_area.W.PET	0.1818214039	-0.077260734
## ZSNU.W.PET	0.0606288004	-0.042885460
## ZSP.W.PET	0.6623221707	0.402987158
## GLNU_norm.W.PET	0.7784354847	0.520322478
## ZSNU_norm.W.PET	0.6605316322	0.408590491
## GLVAR_area.W.PET	0.0113657718	0.103934149
## ZSVAR.W.PET	0.2732788307	0.031935733
## Entropy_area.W.PET	0.7688955121	0.367628111
## Min_hist.ADC	0.3875452983	0.204082133
## Max_hist.ADC	0.8134262980	0.355476335
## Mean_hist.ADC	0.8354520324	0.354785076
## Variance_hist.ADC	0.4398328978	0.259631197
## Standard_Deviation_hist.ADC	0.6852103854	0.346995147
## Skewness_hist.ADC	0.1889509279	0.143872185
## Kurtosis_hist.ADC	0.2158420221	0.111643886
## Energy_hist.ADC	0.4337944952	0.987747780
## Entropy_hist.ADC	0.8458930264	0.386905449
## AUC_hist.ADC	0.8829594949	0.472130404
## Volume.ADC	0.2234475382	-0.138621248
## X3D_surface.ADC	0.3242205556	0.101714605
## ratio_3ds_vol.ADC	0.6803544952	0.465567069

## ratio_3ds_vol_norm.ADC	0.8547199350	0.364485377
## irregularity.ADC	0.8992775458	0.464180498
## Compactness_v1.ADC	0.6486117402	0.935599479
##	HGSRE_align.H.PET	LGHRE_align.H.PET
## Failure	0.01803097	0.041018235
## Entropy_cooc.W.ADC	-0.01442263	-0.012406855
## GLNU_align.H.PET	-0.09960663	0.057206615
## Min_hist.PET	0.45648501	0.158756936
## Max_hist.PET	0.44405599	0.189140979
## Mean_hist.PET	0.43464271	0.168724871
## Variance_hist.PET	0.16581653	0.101934441
## Standard_Deviation_hist.PET	0.43060250	0.213316675
## Skewness_hist.PET	0.62021750	0.277142616
## Kurtosis_hist.PET	0.21157523	0.132128776
## Energy_hist.PET	0.44656335	0.969312117
## Entropy_hist.PET	0.79173612	0.319708249
## AUC_hist.PET	0.96410411	0.514808112
## H_suv.PET	0.47426483	0.305384974
## Volume.PET	0.26540726	-0.116507913
## X3D_surface.PET	0.12228007	0.138612706
## ratio_3ds_vol.PET	0.64750243	0.614723150
## ratio_3ds_vol_norm.PET	0.53834358	0.642447003
## irregularity.PET	0.97998546	0.469958760
## tumor_length.PET	0.48759354	0.364528889
## Compactness_v1.PET	0.51627367	0.922748325
## Compactness_v2.PET	0.21756818	-0.233493363
## Spherical_disproportion.PET	0.53834358	0.642447003
## Sphericity.PET	0.22636779	-0.380152078
## Asphericity.PET	0.51664228	0.640077573
## Center_of_mass.PET	0.28723490	0.204191950
## Max_3D_diam.PET	0.37365836	-0.107218178
## Major_axis_length.PET	0.40913499	0.033000472
## Minor_axis_length.PET	0.54251743	0.187019711
## Least_axis_length.PET	0.42702404	0.069873975
## Elongation.PET	0.82253113	0.492082446
## Flatness.PET	0.72487580	0.396060129
## Max_cooc.L.PET	0.45601630	0.985866469
## Average_cooc.L.PET	0.77183560	0.382770530
## Variance_cooc.L.PET	0.69340389	0.306201605
## Entropy_cooc.L.PET	0.92624815	0.401690828
## DAVE_cooc.L.PET	0.79959503	0.357031281
## DVAR_cooc.L.PET	0.73187779	0.390060980
## DENT_cooc.L.PET	0.95924616	0.428858547
## SAVE_cooc.L.PET	0.77166743	0.381706176
## SVAR_cooc.L.PET	0.67952452	0.292136024
## SENT_cooc.L.PET	0.94110500	0.513934654
## ASM_cooc.L.PET	0.41464351	0.992369595
## Contrast_cooc.L.PET	0.62204475	0.287039812
## Dissimilarity_cooc.L.PET	0.79959503	0.357031281
## Inv_diff_cooc.L.PET	0.78576406	0.564765634
## Inv_diff_norm_cooc.L.PET	0.95112073	0.477298356
## IDM_cooc.L.PET	0.69580971	0.616651075
## IDM_norm_cooc.L.PET	0.95830046	0.474400414
## Inv_var_cooc.L.PET	0.69991784	0.614405159

## Correlation_cooc.L.PET	0.55755288	0.333272999
## Autocorrelation_cooc.L.PET	0.56856331	0.317845385
## Tendency_cooc.L.PET	0.67952452	0.292136024
## Shade_cooc.L.PET	0.41388220	0.086438605
## Prominence_cooc.L.PET	0.52605688	0.210724992
## IC1_.L.PET	-0.46845370	0.077795475
## IC2_.L.PET	0.90807222	0.522936346
## Coarseness_vdif_.L.PET	0.51053794	0.900369114
## Contrast_vdif_.L.PET	0.33912476	0.190125419
## Busyness_vdif_.L.PET	0.24313802	-0.011680602
## Complexity_vdif_.L.PET	0.77928008	0.413515710
## Strength_vdif_.L.PET	0.45208632	0.256087391
## SRE_align.L.PET	0.96917388	0.478745899
## LRE_align.L.PET	0.94759111	0.464171667
## GLNU_align.L.PET	0.17080709	0.004300368
## RLNU_align.L.PET	0.12883116	-0.043221022
## RP_align.L.PET	0.96972931	0.478717657
## LGRE_align.L.PET	0.67090371	0.633590690
## HGRE_align.L.PET	0.60203855	0.329157136
## LGSRE_align.L.PET	0.67498415	0.644138610
## HGSRE_align.L.PET	0.60350123	0.329596008
## LGHRE_align.L.PET	0.65037199	0.590402657
## HGLRE_align.L.PET	0.59411041	0.326150303
## GLNU_norm_align.L.PET	0.68154317	0.894059787
## RLNU_norm_align.L.PET	0.97086499	0.479336057
## GLVAR_align.L.PET	0.69407739	0.319376193
## RLVAR_align.L.PET	0.56471749	0.839341795
## Entropy_align.L.PET	0.93011013	0.416559324
## SZSE.L.PET	0.95609195	0.481413216
## LZSE.L.PET	0.62755422	0.299685075
## LGLZE.L.PET	0.67964967	0.647103498
## HGLZE.L.PET	0.61458420	0.331691975
## SZLGE.L.PET	0.68885548	0.678680412
## SZHGE.L.PET	0.62150707	0.336211509
## LZLGE.L.PET	0.54283260	0.454834138
## LZHGE.L.PET	0.45559194	0.248669113
## GLNU_area.L.PET	0.17250452	-0.002190746
## ZSNU.L.PET	0.13189340	-0.053116919
## ZSP.L.PET	0.96486066	0.478813653
## GLNU_norm.L.PET	0.67960282	0.898145366
## ZSNU_norm.L.PET	0.96775004	0.480055198
## GLVAR_area.L.PET	0.70543187	0.328401677
## ZSVAR.L.PET	0.36211300	0.358830546
## Entropy_area.L.PET	0.92658083	0.415131289
## Max_cooc.H.PET	0.43610808	0.360727508
## Average_cooc.H.PET	0.97690429	0.435464545
## Variance_cooc.H.PET	0.74669953	0.371088528
## Entropy_cooc.H.PET	0.78911134	0.306084728
## DAVE_cooc.H.PET	0.82962751	0.383829388
## DVAR_cooc.H.PET	0.80642796	0.397873152
## DENT_cooc.H.PET	0.70906185	0.235590187
## SAVE_cooc.H.PET	0.95825097	0.424201633
## SVAR_cooc.H.PET	0.72676421	0.377879354
## SENT_cooc.H.PET	0.60241620	0.628310514

## ASM_cooc.H.PET	0.40227579	0.458826530
## Contrast_cooc.H.PET	0.73615207	0.355739335
## Dissimilarity_cooc.H.PET	0.82962751	0.383829388
## Inv_diff_cooc.H.PET	0.71785137	0.441282673
## Inv_diff_norm_cooc.H.PET	0.96751803	0.484008463
## IDM_cooc.H.PET	0.62624056	0.406950240
## IDM_norm_cooc.H.PET	0.96729364	0.477922664
## Inv_var_cooc_.H.PET	0.53368804	0.908935924
## Correlation_cooc.H.PET	0.55094591	0.341281254
## Autocorrelation_cooc.H.PET	0.94191324	0.422887691
## Tendency_cooc.H.PET	0.68561461	0.346068812
## Shade_cooc.H.PET	-0.26439704	-0.228533115
## Prominence_cooc.H.PET	0.44144464	0.248150314
## IC1_d.H.PET	-0.05260315	0.365771063
## IC2_d.H.PET	0.67729470	0.395566168
## Coarseness_vdif.H.PET	0.41791766	0.986772803
## Contrast_vdif.H.PET	0.36306698	0.234087136
## Busyness_vdif.H.PET	0.11789582	-0.383991032
## Complexity_vdif.H.PET	0.63285827	0.675516835
## Strength_vdif.H.PET	0.14382154	0.093558630
## SRE_align.H.PET	0.93079195	0.463993217
## LRE_align.H.PET	0.64390182	0.302990993
## RLNU_align.H.PET	0.13187668	-0.027789683
## RP_align.H.PET	0.91944147	0.460370704
## LGRE_align.H.PET	0.41710417	0.999531929
## HGRE_align.H.PET	0.96119476	0.418571620
## LGSRE_align.H.PET	0.41523507	0.999399782
## HGSRE_align.H.PET	1.00000000	0.426688690
## LGHRE_align.H.PET	0.42668869	1.000000000
## HGLRE_align.H.PET	0.46000593	0.223272013
## GLNU_norm_align.H.PET	0.62081164	0.405050893
## RLNU_norm_align.H.PET	0.86169537	0.438388600
## GLVAR_align.H.PET	0.70086949	0.353757447
## RLVAR_align.H.PET	0.27655765	0.188655657
## Entropy_align.H.PET	0.80010450	0.366000840
## SZSE.H.PET	0.79725843	0.412605402
## LZSE.H.PET	-0.07881894	-0.069989111
## LGLZE.H.PET	0.41635325	0.999453519
## HGLZE.H.PET	0.89387076	0.356760160
## SZLGE.H.PET	0.41236681	0.999094100
## SZHGE.H.PET	0.85734206	0.337957721
## LZLGE.H.PET	-0.02804474	0.065965187
## LZHGE.H.PET	-0.05906663	-0.031064610
## GLNU_area.H.PET	0.18233775	-0.055160631
## ZSNU.H.PET	0.10990403	-0.031984251
## ZSP.H.PET	0.61225366	0.308823722
## GLNU_norm.H.PET	0.60003092	0.412961273
## ZSNU_norm.H.PET	0.65702009	0.354478817
## GLVAR_area.H.PET	0.68096493	0.342938396
## ZSVAR_H.PET	-0.07365845	-0.048176622
## Entropy_area.H.PET	0.86596401	0.395623968
## Max_cooc.W.PET	0.45298410	0.594826198
## Average_cooc.W.PET	0.40537678	0.197667959
## Variance_cooc.W.PET	0.17379358	0.106918962

## Entropy_cooc.W.PET	0.76729154	0.336731580
## DAVE_cooc.W.PET	0.47108179	0.210438403
## DVAR_cooc.W.PET	0.21856388	0.105773266
## DENT_cooc.W.PET	0.77132331	0.345961577
## SAVE_cooc.W.PET	0.40465264	0.195672457
## SVAR_cooc.W.PET	0.14677707	0.104278414
## SENT_cooc.W.PET	0.80933671	0.454684883
## ASM_cooc.W.PET	0.44491494	0.780855632
## Contrast_cooc.W.PET	0.22851096	0.103031555
## Dissimilarity_cooc.W.PET	0.47108179	0.210438403
## Inv_diff_cooc.W.PET	0.78534548	0.461192271
## Inv_diff_norm_cooc.W.PET	0.95276572	0.478708389
## IDM_cooc.W.PET	0.66697507	0.420507805
## IDM_norm_cooc.W.PET	0.95886968	0.475179118
## Inv_var_cooc.W.PET	0.71879423	0.458081137
## Correlation_cooc.W.PET	0.55397096	0.332410675
## Autocorrelation_cooc.W.PET	0.14765259	0.086635161
## Tendency_cooc.W.PET	0.14677707	0.104278414
## Shade_cooc.W.PET	0.00805100	0.065618421
## Prominence_cooc.W.PET	-0.03120485	0.043419582
## IC1_d.W.PET	-0.08075591	0.424747692
## IC2_d.W.PET	0.75912115	0.452337479
## Coarseness_vdif.W.PET	0.50791187	0.822599837
## Contrast_vdif.W.PET	0.44709880	0.306490895
## Busyness_vdif.W.PET	0.24785914	-0.109509682
## Complexity_vdif.W.PET	0.08979051	0.085276889
## Strength_vdif.W.PET	0.26132279	0.195091774
## SRE_align.W.PET	0.95493320	0.473240984
## LRE_align.W.PET	0.85317718	0.413289189
## GLNU_align.W.PET	0.18089926	-0.061710024
## RLNU_align.W.PET	0.13131218	-0.031077669
## RP_align.W.PET	0.95025498	0.471331908
## LGRE_align.W.PET	0.61563173	0.371761774
## HGRE_align.W.PET	0.15222095	0.078443052
## LGSRE_align.W.PET	0.64679875	0.402400224
## HGSRE_align.W.PET	0.14992995	0.076429064
## LGHRE_align.W.PET	0.45195726	0.240446649
## HGLRE_align.W.PET	0.15993031	0.086395303
## GLNU_norm_align.W.PET	0.62164522	0.508091212
## RLNU_norm_align.W.PET	0.92525105	0.461566935
## GLVAR_align.W.PET	0.16572154	0.100016613
## RLVAR_align.W.PET	0.35939062	0.329808989
## Entropy_align.W.PET	0.80752997	0.365471314
## SZSE.W.PET	0.90477377	0.458578889
## LZSE.W.PET	0.14365692	0.079883070
## LGLZE.W.PET	0.61798162	0.398268750
## HGLZE.W.PET	0.15823824	0.079294150
## SZLGE.W.PET	0.67797764	0.486341189
## SZHGE.W.PET	0.15283332	0.073981106
## LZLGE.W.PET	0.06015516	-0.003051381
## LZHGE.W.PET	0.14435196	0.123638893
## GLNU_area.W.PET	0.18852331	-0.057872007
## ZSNU.W.PET	0.12500186	-0.029643290
## ZSP.W.PET	0.82229506	0.409637265

## GLNU_norm.W.PET	0.62443264	0.527383433
## ZSNU_norm.W.PET	0.81947050	0.415697743
## GLVAR_area.W.PET	0.16986170	0.105318216
## ZSVAR.W.PET	0.05167370	0.044176755
## Entropy_area.W.PET	0.85119097	0.385372095
## Min_hist.ADC	0.37837018	0.204252428
## Max_hist.ADC	0.85388844	0.369873977
## Mean_hist.ADC	0.87617377	0.365747894
## Variance_hist.ADC	0.43433022	0.267406055
## Standard_Deviation_hist.ADC	0.70339100	0.358962340
## Skewness_hist.ADC	0.18004047	0.149805627
## Kurtosis_hist.ADC	0.24777373	0.116947518
## Energy_hist.ADC	0.42899211	0.986519555
## Entropy_hist.ADC	0.89714265	0.403629445
## AUC_hist.ADC	0.93023931	0.487682677
## Volume.ADC	0.26308939	-0.124804181
## X3D_surface.ADC	0.36230830	0.114960407
## ratio_3ds_vol.ADC	0.68809440	0.469955641
## ratio_3ds_vol_norm.ADC	0.91051692	0.380488587
## irregularity.ADC	0.94035277	0.477240462
## Compactness_v1.ADC	0.65622575	0.939652356
##	HGLRE_align.H.PET	GLNU_norm_align.H.PET
## Failure	0.085112609	0.1233441742
## Entropy_cooc.W.ADC	0.053791083	-0.0411087191
## GLNU_align.H.PET	0.063716631	-0.0624606143
## Min_hist.PET	-0.253360971	-0.2711247452
## Max_hist.PET	-0.233254541	-0.3010979654
## Mean_hist.PET	-0.263209361	-0.3194847172
## Variance_hist.PET	-0.342935361	-0.4417651564
## Standard_Deviation_hist.PET	-0.260388999	-0.3284426756
## Skewness_hist.PET	0.306116416	0.4918428508
## Kurtosis_hist.PET	0.121309468	0.2366875664
## Energy_hist.PET	0.246187963	0.4979255782
## Entropy_hist.PET	0.351298388	0.2993833405
## AUC_hist.PET	0.447390508	0.5326933502
## H_suv.PET	-0.258927631	-0.2582808438
## Volume.PET	0.040779682	-0.0972747453
## X3D_surface.PET	0.054082918	-0.0923617737
## ratio_3ds_vol.PET	0.354943211	0.6194395190
## ratio_3ds_vol_norm.PET	0.345022273	0.4075547851
## irregularity.PET	0.462229088	0.6061183167
## tumor_length.PET	0.245626618	0.1251208614
## Compactness_v1.PET	0.227757579	0.4122625389
## Compactness_v2.PET	-0.036746739	-0.1067480553
## Spherical_disproportion.PET	0.345022273	0.4075547851
## Sphericity.PET	-0.033125722	-0.1245637529
## Asphericity.PET	0.337068157	0.3985983627
## Center_of_mass.PET	0.153747036	0.0197467306
## Max_3D_diam.PET	0.087189920	-0.1001836723
## Major_axis_length.PET	0.104843672	-0.0646921536
## Minor_axis_length.PET	0.230649691	0.0734035951
## Least_axis_length.PET	0.159091209	-0.0409931597
## Elongation.PET	0.408314325	0.5045951661
## Flatness.PET	0.352678250	0.3802909090

## Max_cooc.L.PET	0.272476220	0.4931382796
## Average_cooc.L.PET	0.355002031	0.4127896909
## Variance_cooc.L.PET	0.304897618	0.4951173372
## Entropy_cooc.L.PET	0.410065755	0.4373491950
## DAVE_cooc.L.PET	0.252047800	0.4629614804
## DVAR_cooc.L.PET	0.145218000	0.4028708925
## DENT_cooc.L.PET	0.394308227	0.5083862227
## SAVE_cooc.L.PET	0.354865828	0.4124234147
## SVAR_cooc.L.PET	0.396553395	0.5274257308
## SENT_cooc.L.PET	0.456310390	0.5394934192
## ASM_cooc.L.PET	0.238831293	0.4497957388
## Contrast_cooc.L.PET	0.118245326	0.3770656867
## Dissimilarity_cooc.L.PET	0.252047800	0.4629614804
## Inv_diff_cooc.L.PET	0.422232284	0.4327278478
## Inv_diff_norm_cooc.L.PET	0.448733266	0.5010197630
## IDM_cooc.L.PET	0.391102707	0.4091630986
## IDM_norm_cooc.L.PET	0.446804448	0.5070527559
## Inv_var_cooc.L.PET	0.393044452	0.4097796630
## Correlation_cooc.L.PET	0.521305029	0.3846234838
## Autocorrelation_cooc.L.PET	0.316269948	0.3630611446
## Tendency_cooc.L.PET	0.396553395	0.5274257308
## Shade_cooc.L.PET	0.268736946	0.3874712382
## Prominence_cooc.L.PET	0.355067040	0.5217561221
## IC1_.L.PET	-0.307418217	-0.4492149004
## IC2_.L.PET	0.484465305	0.6277124120
## Coarseness_vdif_.L.PET	0.313155285	0.5888972288
## Contrast_vdif_.L.PET	0.045474963	0.3031990620
## Busyness_vdif_.L.PET	0.002491345	-0.1092558452
## Complexity_vdif_.L.PET	0.190881986	0.4590974192
## Strength_vdif_.L.PET	0.262935469	0.5644409232
## SRE_align.L.PET	0.437030215	0.5197767883
## LRE_align.L.PET	0.442612993	0.4906941185
## GLNU_align.L.PET	0.001786394	-0.1448252008
## RLNU_align.L.PET	-0.025912053	-0.2138724641
## RP_align.L.PET	0.436988815	0.5212123761
## LGRE_align.L.PET	0.299182019	0.5362510526
## HGRE_align.L.PET	0.296428001	0.3592404643
## LGSRE_align.L.PET	0.298511013	0.5389287302
## HGSRE_align.L.PET	0.293822640	0.3623018620
## LGHRE_align.L.PET	0.300046552	0.5222489998
## HGLRE_align.L.PET	0.306045546	0.3449224193
## GLNU_norm_align.L.PET	0.350858955	0.5804024362
## RLNU_norm_align.L.PET	0.435846371	0.5253912142
## GLVAR_align.L.PET	0.312708326	0.4655054546
## RLVAR_align.L.PET	0.329195941	0.3978481434
## Entropy_align.L.PET	0.421477234	0.4477089628
## SZSE.L.PET	0.416360367	0.5192014348
## LZSE.L.PET	0.335897395	0.2921705825
## LGLZE.L.PET	0.298933622	0.5399159531
## HGLZE.L.PET	0.295464220	0.3621357917
## SZLGE.L.PET	0.293603218	0.5489599342
## SZHGE.L.PET	0.280356054	0.3695394871
## LZLGE.L.PET	0.282441225	0.4351823101
## LZHGE.L.PET	0.282742940	0.2466103842

## GLNU_area.L.PET	-0.002020523	-0.1487529099
## ZSNU.L.PET	-0.031218746	-0.2168427730
## ZSP.L.PET	0.424275772	0.5283336805
## GLNU_norm.L.PET	0.349991883	0.5781543071
## ZSNU_norm.L.PET	0.428169515	0.5312840339
## GLVAR_area.L.PET	0.313537082	0.4659527988
## ZSVAR.L.PET	0.205050762	0.1441927772
## Entropy_area.L.PET	0.419783066	0.4385928834
## Max_cooc.H.PET	0.836582583	0.9347672280
## Average_cooc.H.PET	0.580869365	0.6780392909
## Variance_cooc.H.PET	0.069343564	0.0489000816
## Entropy_cooc.H.PET	0.108631063	0.1729146432
## DAVE_cooc.H.PET	0.073194824	0.1754863435
## DVAR_cooc.H.PET	0.154942848	0.2301199517
## DENT_cooc.H.PET	0.166429028	0.1446157140
## SAVE_cooc.H.PET	0.508400221	0.5755171678
## SVAR_cooc.H.PET	0.226548970	0.1421184483
## SENT_cooc.H.PET	0.015966670	0.0864552683
## ASM_cooc.H.PET	0.822138646	0.8963907742
## Contrast_cooc.H.PET	0.002660413	0.0918452324
## Dissimilarity_cooc.H.PET	0.073194824	0.1754863435
## Inv_diff_cooc.H.PET	0.893152983	0.9366040453
## Inv_diff_norm_cooc.H.PET	0.499523168	0.5685725969
## IDM_cooc.H.PET	0.913873859	0.9553540520
## IDM_norm_cooc.H.PET	0.466023007	0.5387793751
## Inv_var_cooc_.H.PET	0.106557986	0.2586246356
## Correlation_cooc.H.PET	0.443467101	0.3057011868
## Autocorrelation_cooc.H.PET	0.691614864	0.7932471450
## Tendency_cooc.H.PET	0.099132949	0.0212656504
## Shade_cooc.H.PET	0.044981155	0.1653714700
## Prominence_cooc.H.PET	-0.104437616	-0.2508804069
## IC1_d.H.PET	-0.486741956	-0.1587620307
## IC2_d.H.PET	0.416455261	0.3230458267
## Coarseness_vdif.H.PET	0.242786927	0.4586966184
## Contrast_vdif.H.PET	0.535797751	0.6787639317
## Busyness_vdif.H.PET	-0.008658934	-0.1066340686
## Complexity_vdif.H.PET	0.164179464	0.3440126302
## Strength_vdif.H.PET	0.363875407	0.3894453682
## SRE_align.H.PET	0.236440226	0.3386121162
## LRE_align.H.PET	0.924049577	0.8305890232
## RLNU_align.H.PET	-0.097918245	-0.2596807688
## RP_align.H.PET	0.196638892	0.3045907891
## LGRE_align.H.PET	0.206032543	0.3975234431
## HGRE_align.H.PET	0.678478511	0.7853575434
## LGSRE_align.H.PET	0.204787905	0.3973427721
## HGSRE_align.H.PET	0.460005928	0.6208116371
## LGHRE_align.H.PET	0.223272013	0.4050508929
## HGLRE_align.H.PET	1.000000000	0.8429637188
## GLNU_norm_align.H.PET	0.842963719	1.0000000000
## RLNU_norm_align.H.PET	0.071872091	0.1774194446
## GLVAR_align.H.PET	0.042758999	-0.0045930904
## RLVAR_align.H.PET	0.949699679	0.7398853625
## Entropy_align.H.PET	0.186901469	0.1334425820
## SZSE.H.PET	0.041616660	0.1010986353

## LZSE.H.PET	0.567692621	0.2386133691
## LGLZE.H.PET	0.204009987	0.3932632964
## HGLZE.H.PET	0.608317650	0.6629351737
## SZLGE.H.PET	0.203318449	0.3959035607
## SZHGE.H.PET	0.216524962	0.3254394953
## LZLGE.H.PET	0.628825834	0.3183488416
## LZHGE.H.PET	0.669060761	0.3348880157
## GLNU_area.H.PET	-0.029412615	-0.1709756305
## ZSNU.H.PET	-0.159714421	-0.3055411744
## ZSP.H.PET	-0.237420942	-0.1674192390
## GLNU_norm.H.PET	0.824190328	0.9701616975
## ZSNU_norm.H.PET	-0.134758996	-0.0985640464
## GLVAR_area.H.PET	0.023081698	-0.0243170362
## ZSVAR.H.PET	0.608944394	0.2805007715
## Entropy_area.H.PET	0.314351038	0.2961309162
## Max_cooc.W.PET	0.726859143	0.8662524077
## Average_cooc.W.PET	-0.242141223	-0.3426566003
## Variance_cooc.W.PET	-0.344592764	-0.4274746221
## Entropy_cooc.W.PET	0.024394012	0.0220192939
## DAVE_cooc.W.PET	-0.287409334	-0.3035410907
## DVAR_cooc.W.PET	-0.363966944	-0.4268280356
## DENT_cooc.W.PET	-0.019552923	0.0186029346
## SAVE_cooc.W.PET	-0.242666241	-0.3436271145
## SVAR_cooc.W.PET	-0.321436669	-0.4108034246
## SENT_cooc.W.PET	0.113979363	0.1378413031
## ASM_cooc.W.PET	0.634646889	0.7815195372
## Contrast_cooc.W.PET	-0.374737155	-0.4334971844
## Dissimilarity_cooc.W.PET	-0.287409334	-0.3035410907
## Inv_diff_cooc.W.PET	0.834762552	0.9113499195
## Inv_diff_norm_cooc.W.PET	0.456379073	0.5091132250
## IDM_cooc.W.PET	0.885454706	0.9467383611
## IDM_norm_cooc.W.PET	0.448008654	0.5088538958
## Inv_var_cooc.W.PET	0.821344616	0.9086194986
## Correlation_cooc.W.PET	0.503397902	0.3664641689
## Autocorrelation_cooc.W.PET	-0.327510447	-0.4605138389
## Tendency_cooc.W.PET	-0.321436669	-0.4108034246
## Shade_cooc.W.PET	-0.184427155	-0.2166454323
## Prominence_cooc.W.PET	-0.188137911	-0.2410833675
## IC1_d.W.PET	-0.390198048	-0.0717858669
## IC2_d.W.PET	0.402605913	0.3465935552
## Coarseness_vdif.W.PET	0.315433403	0.6107608343
## Contrast_vdif.W.PET	-0.253348712	-0.1672631110
## Busyness_vdif.W.PET	0.690351912	0.5777765874
## Complexity_vdif.W.PET	-0.274682685	-0.3686783667
## Strength_vdif.W.PET	-0.163117063	-0.0620932178
## SRE_align.W.PET	0.342338036	0.4312519470
## LRE_align.W.PET	0.815601070	0.7787620750
## GLNU_align.W.PET	0.203412697	0.0044812213
## RLNU_align.W.PET	-0.066792812	-0.2376864699
## RP_align.W.PET	0.312055984	0.4067678729
## LGRE_align.W.PET	0.760553764	0.9578921351
## HGRE_align.W.PET	-0.330919818	-0.4639620931
## LGSRE_align.W.PET	0.724666740	0.9460640727
## HGSRE_align.W.PET	-0.335679544	-0.4657837402

## LGHRE_align.W.PET	0.865434459	0.9271267879
## HGLRE_align.W.PET	-0.306000331	-0.4547913971
## GLNU_norm_align.W.PET	0.811164590	0.9886524082
## RLNU_norm_align.W.PET	0.228809563	0.3250368606
## GLVAR_align.W.PET	-0.342483589	-0.4420429415
## RLVAR_align.W.PET	0.964164997	0.8109532321
## Entropy_align.W.PET	0.156476090	0.1243340681
## SZSE.W.PET	0.202172946	0.3032621995
## LZSE.W.PET	0.869919260	0.6229292156
## LGLZE.W.PET	0.782361690	0.9604945520
## HGLZE.W.PET	-0.333018372	-0.4621861802
## SZLGE.W.PET	0.690669691	0.9098025292
## SZHGE.W.PET	-0.343324827	-0.4625076262
## LZLGE.W.PET	0.720566103	0.5108446278
## LZHGE.W.PET	-0.017157574	-0.2714803442
## GLNU_area.W.PET	0.095513018	-0.0735640235
## ZSNU.W.PET	-0.117883013	-0.2712952313
## ZSP.W.PET	0.012910220	0.1146959797
## GLNU_norm.W.PET	0.808567604	0.9837050180
## ZSNU_norm.W.PET	0.025012244	0.1124426915
## GLVAR_area.W.PET	-0.339337367	-0.4381924653
## ZSVAR.W.PET	0.814978169	0.5443798520
## Entropy_area.W.PET	0.274331763	0.2425882462
## Min_hist.ADC	0.212541804	0.3388746016
## Max_hist.ADC	0.392535377	0.4432302138
## Mean_hist.ADC	0.396678459	0.5102063663
## Variance_hist.ADC	0.295175515	0.3076051411
## Standard_Deviation_hist.ADC	0.377339135	0.4165074399
## Skewness_hist.ADC	0.112045036	0.0831575798
## Kurtosis_hist.ADC	0.058367247	0.0559271299
## Energy_hist.ADC	0.258112197	0.4677306597
## Entropy_hist.ADC	0.387086106	0.4119755649
## AUC_hist.ADC	0.409569134	0.4723411000
## Volume.ADC	0.034852422	-0.0825296230
## X3D_surface.ADC	0.118170385	0.0398537928
## ratio_3ds_vol.ADC	0.366249411	0.5383300253
## ratio_3ds_vol_norm.ADC	0.372117563	0.4355670706
## irregularity.ADC	0.431803517	0.5278273212
## Compactness_v1.ADC	0.359452480	0.5431979493
##	RLNU_norm_align.H.PET	GLVAR_align.H.PET
## Failure	-0.021672304	-0.041651362
## Entropy_cooc.W.ADC	-0.008613937	0.064403804
## GLNU_align.H.PET	-0.080536037	-0.001634436
## Min_hist.PET	0.756590490	0.728209066
## Max_hist.PET	0.749095856	0.772925543
## Mean_hist.PET	0.762382465	0.777890165
## Variance_hist.PET	0.505922140	0.538807167
## Standard_Deviation_hist.PET	0.767345114	0.781608856
## Skewness_hist.PET	0.436054927	0.173210753
## Kurtosis_hist.PET	0.088294372	-0.044633619
## Energy_hist.PET	0.397722181	0.253368409
## Entropy_hist.PET	0.804485686	0.812188403
## AUC_hist.PET	0.900370345	0.807199060
## H_suv.PET	0.807986612	0.781391456

## Volume.PET	0.323267732	0.433449187
## X3D_surface.PET	0.211026191	0.329332406
## ratio_3ds_vol.PET	0.492074406	0.259743849
## ratio_3ds_vol_norm.PET	0.496352120	0.416381399
## irregularity.PET	0.866279091	0.720242893
## tumor_length.PET	0.551185131	0.630334656
## Compactness_v1.PET	0.518547777	0.430152568
## Compactness_v2.PET	0.265129430	0.314701261
## Spherical_disproportion.PET	0.496352120	0.416381399
## Sphericity.PET	0.260647499	0.313962252
## Asphericity.PET	0.475699524	0.396994397
## Center_of_mass.PET	0.345401796	0.375995871
## Max_3D_diam.PET	0.456097029	0.585520365
## Major_axis_length.PET	0.509543281	0.624629006
## Minor_axis_length.PET	0.610216980	0.712349153
## Least_axis_length.PET	0.528157338	0.670901483
## Elongation.PET	0.758813140	0.672787910
## Flatness.PET	0.710049409	0.678356539
## Max_cooc.L.PET	0.411035692	0.286796886
## Average_cooc.L.PET	0.765174413	0.743598972
## Variance_cooc.L.PET	0.612520564	0.416354677
## Entropy_cooc.L.PET	0.908584379	0.856975376
## DAVE_cooc.L.PET	0.761258877	0.570661364
## DVAR_cooc.L.PET	0.714640210	0.482166284
## DENT_cooc.L.PET	0.912427867	0.790100737
## SAVE_cooc.L.PET	0.765021490	0.743565385
## SVAR_cooc.L.PET	0.570461205	0.410043391
## SENT_cooc.L.PET	0.882867199	0.791636176
## ASM_cooc.L.PET	0.393141306	0.283155580
## Contrast_cooc.L.PET	0.596801261	0.370282561
## Dissimilarity_cooc.L.PET	0.761258877	0.570661364
## Inv_diff_cooc.L.PET	0.734923848	0.714781903
## Inv_diff_norm_cooc.L.PET	0.895865114	0.828038519
## IDM_cooc.L.PET	0.647499600	0.630476308
## IDM_norm_cooc.L.PET	0.902979088	0.828653752
## Inv_var_cooc.L.PET	0.651184825	0.635019727
## Correlation_cooc.L.PET	0.454789142	0.531714828
## Autocorrelation_cooc.L.PET	0.554594091	0.566471502
## Tendency_cooc.L.PET	0.570461205	0.410043391
## Shade_cooc.L.PET	0.246432373	-0.027530263
## Prominence_cooc.L.PET	0.370473664	0.150453023
## IC1_.L.PET	-0.260739760	-0.104829570
## IC2_.L.PET	0.787554248	0.639885387
## Coarseness_vdif_.L.PET	0.403431703	0.246129370
## Contrast_vdif_.L.PET	0.263326565	0.051853769
## Busyness_vdif_.L.PET	0.316627070	0.405103151
## Complexity_vdif_.L.PET	0.744587725	0.499086669
## Strength_vdif_.L.PET	0.226069816	-0.054694031
## SRE_align.L.PET	0.913425851	0.820946312
## LRE_align.L.PET	0.896435927	0.831023634
## GLNU_align.L.PET	0.253893170	0.389035430
## RLNU_align.L.PET	0.248815857	0.419740412
## RP_align.L.PET	0.913719705	0.819913302
## LGRE_align.L.PET	0.557079229	0.303503944

## HGRE_align.L.PET	0.591653549	0.592540649
## LGSRE_align.L.PET	0.563267873	0.308662543
## HGSRE_align.L.PET	0.591303019	0.587088819
## LGHRE_align.L.PET	0.529273352	0.282197115
## HGLRE_align.L.PET	0.591529367	0.613378710
## GLNU_norm_align.L.PET	0.594884899	0.426030602
## RLNU_norm_align.L.PET	0.914431907	0.815933844
## GLVAR_align.L.PET	0.638264253	0.489488087
## RLVAR_align.L.PET	0.550339080	0.530535179
## Entropy_align.L.PET	0.907170019	0.863286912
## SZSE.L.PET	0.899090112	0.793776188
## LZSE.L.PET	0.608037675	0.621286432
## LGLZE.L.PET	0.568146257	0.317735866
## HGLZE.L.PET	0.603748679	0.597825179
## SZLGE.L.PET	0.581722351	0.328119169
## SZHGE.L.PET	0.605148583	0.578444625
## LZLGE.L.PET	0.426120673	0.226706655
## LZHGE.L.PET	0.474300852	0.550635346
## GLNU_area.L.PET	0.257738480	0.393357783
## ZSNU.L.PET	0.253767617	0.423114044
## ZSP.L.PET	0.905415709	0.796021371
## GLNU_norm.L.PET	0.595170203	0.428588361
## ZSNU_norm.L.PET	0.910666729	0.799435239
## GLVAR_area.L.PET	0.651321860	0.501713323
## ZSVAR.L.PET	0.378862511	0.445502345
## Entropy_area.L.PET	0.905770260	0.868329016
## Max_cooc.H.PET	-0.019695346	-0.195150248
## Average_cooc.H.PET	0.815746336	0.691993896
## Variance_cooc.H.PET	0.933043629	0.994707598
## Entropy_cooc.H.PET	0.897367364	0.797452143
## DAVE_cooc.H.PET	0.964038823	0.903740519
## DVAR_cooc.H.PET	0.903621913	0.887471781
## DENT_cooc.H.PET	0.793339714	0.759278567
## SAVE_cooc.H.PET	0.854396957	0.757536654
## SVAR_cooc.H.PET	0.840500433	0.914125043
## SENT_cooc.H.PET	0.793415601	0.740558868
## ASM_cooc.H.PET	-0.009758413	-0.147034665
## Contrast_cooc.H.PET	0.908168886	0.869094253
## Dissimilarity_cooc.H.PET	0.964038823	0.903740519
## Inv_diff_cooc.H.PET	0.329073339	0.232916781
## Inv_diff_norm_cooc.H.PET	0.877048192	0.787117762
## IDM_cooc.H.PET	0.201738332	0.108845782
## IDM_norm_cooc.H.PET	0.895645603	0.806503292
## Inv_var_cooc_.H.PET	0.630292115	0.530156914
## Correlation_cooc.H.PET	0.498601335	0.592363759
## Autocorrelation_cooc.H.PET	0.700041966	0.561525748
## Tendency_cooc.H.PET	0.863049372	0.973636194
## Shade_cooc.H.PET	-0.485388966	-0.721539775
## Prominence_cooc.H.PET	0.727925150	0.916886473
## IC1_d.H.PET	0.124275333	-0.013492064
## IC2_d.H.PET	0.652570954	0.691481311
## Coarseness_vdif.H.PET	0.394188052	0.270682879
## Contrast_vdif.H.PET	0.051250490	0.050377863
## Busyness_vdif.H.PET	0.102268427	0.175240952

## Complexity_vdif.H.PET	0.688227382	0.586459479
## Strength_vdif.H.PET	-0.049535935	-0.174938010
## SRE_align.H.PET	0.980384431	0.889200438
## LRE_align.H.PET	0.299284909	0.253936879
## RLNU_align.H.PET	0.288070515	0.441747721
## RP_align.H.PET	0.988754417	0.895263188
## LGRE_align.H.PET	0.432360840	0.341380801
## HGRE_align.H.PET	0.714036867	0.574562105
## LGSRE_align.H.PET	0.430368527	0.338412517
## HGSRE_align.H.PET	0.861695369	0.700869492
## LGHRE_align.H.PET	0.438388600	0.353757447
## HGLRE_align.H.PET	0.071872091	0.042758999
## GLNU_norm_align.H.PET	0.177419445	-0.004593090
## RLNU_norm_align.H.PET	1.000000000	0.908390523
## GLVAR_align.H.PET	0.908390523	1.000000000
## RLVAR_align.H.PET	-0.094505870	-0.083882315
## Entropy_align.H.PET	0.934371373	0.945790141
## SZSE.H.PET	0.963691548	0.882865606
## LZSE.H.PET	-0.229324319	-0.221172018
## LGLZE.H.PET	0.434336803	0.346087533
## HGLZE.H.PET	0.697631648	0.544057548
## SZLGE.H.PET	0.427769764	0.335525858
## SZHGE.H.PET	0.858500963	0.670603607
## LZLGE.H.PET	-0.204102583	-0.177850675
## LZHGE.H.PET	-0.252143281	-0.240271300
## GLNU_area.H.PET	0.276646022	0.425586655
## ZSNU.H.PET	0.298149825	0.429503291
## ZSP.H.PET	0.900623882	0.830549572
## GLNU_norm.H.PET	0.186582568	0.043413593
## ZSNU_norm.H.PET	0.918582845	0.845993844
## GLVAR_area.H.PET	0.892934667	0.990718005
## ZSVAR_H.PET	-0.247039590	-0.231011752
## Entropy_area.H.PET	0.908881555	0.905864259
## Max_cooc.W.PET	0.092398888	-0.082123017
## Average_cooc.W.PET	0.747990595	0.815458730
## Variance_cooc.W.PET	0.507813382	0.517972752
## Entropy_cooc.W.PET	0.964728185	0.946325861
## DAVE_cooc.W.PET	0.811277879	0.775008432
## DVAR_cooc.W.PET	0.568622787	0.554452863
## DENT_cooc.W.PET	0.976871549	0.914631828
## SAVE_cooc.W.PET	0.747371482	0.815068251
## SVAR_cooc.W.PET	0.459152264	0.479780469
## SENT_cooc.W.PET	0.963297829	0.921278320
## ASM_cooc.W.PET	0.176253769	0.035407275
## Contrast_cooc.W.PET	0.589390388	0.571362815
## Dissimilarity_cooc.W.PET	0.811277879	0.775008432
## Inv_diff_cooc.W.PET	0.431336125	0.344822021
## Inv_diff_norm_cooc.W.PET	0.893184906	0.824162370
## IDM_cooc.W.PET	0.259407583	0.180521021
## IDM_norm_cooc.W.PET	0.902778669	0.827845733
## Inv_var_cooc.W.PET	0.350836633	0.279965520
## Correlation_cooc.W.PET	0.461513052	0.540707998
## Autocorrelation_cooc.W.PET	0.494209710	0.581484213
## Tendency_cooc.W.PET	0.459152264	0.479780469

## Shade_cooc.W.PET	0.152512992	0.131890514
## Prominence_cooc.W.PET	0.121273364	0.130865844
## IC1_d.W.PET	0.039629260	-0.066476629
## IC2_d.W.PET	0.756766148	0.745552241
## Coarseness_vdif.W.PET	0.368166880	0.199640464
## Contrast_vdif.W.PET	0.737384253	0.613164388
## Busyness_vdif.W.PET	-0.084555489	-0.104168886
## Complexity_vdif.W.PET	0.356406040	0.396681295
## Strength_vdif.W.PET	0.394062275	0.229086627
## SRE_align.W.PET	0.951248258	0.860797750
## LRE_align.W.PET	0.600127822	0.542901074
## GLNU_align.W.PET	0.159737500	0.314640086
## RLNU_align.W.PET	0.270210250	0.431018651
## RP_align.W.PET	0.960958674	0.869443476
## LGRE_align.W.PET	0.192914091	-0.060851417
## HGRE_align.W.PET	0.499422927	0.586178947
## LGSRE_align.W.PET	0.244378654	-0.017104706
## HGSRE_align.W.PET	0.497650407	0.580358256
## LGHRE_align.W.PET	-0.004414371	-0.210547828
## HGLRE_align.W.PET	0.503877250	0.609034388
## GLNU_norm_align.W.PET	0.203271613	0.010511419
## RLNU_norm_align.W.PET	0.983288731	0.891334411
## GLVAR_align.W.PET	0.505067921	0.538864758
## RLVAR_align.W.PET	-0.015940761	-0.026549383
## Entropy_align.W.PET	0.949816512	0.951608749
## SZSE.W.PET	0.967889666	0.870569306
## LZSE.W.PET	-0.181821851	-0.179998278
## LGLZE.W.PET	0.207084676	-0.019246259
## HGLZE.W.PET	0.504233300	0.584368854
## SZLGE.W.PET	0.328448469	0.090439315
## SZHGE.W.PET	0.497130068	0.564193755
## LZLGE.W.PET	-0.233007737	-0.306945021
## LZHGE.W.PET	0.391908583	0.575845684
## GLNU_area.W.PET	0.218578333	0.372055309
## ZSNU.W.PET	0.288371638	0.433178455
## ZSP.W.PET	0.982931392	0.895836707
## GLNU_norm.W.PET	0.215461683	0.045625913
## ZSNU_norm.W.PET	0.982668689	0.890960760
## GLVAR_area.W.PET	0.507479370	0.540601743
## ZSVAR.W.PET	-0.244583986	-0.236641636
## Entropy_area.W.PET	0.929410881	0.925628473
## Min_hist.ADC	0.279094376	0.201832744
## Max_hist.ADC	0.792793352	0.714155313
## Mean_hist.ADC	0.780436594	0.653966074
## Variance_hist.ADC	0.364960815	0.309351226
## Standard_Deviation_hist.ADC	0.632612141	0.559992184
## Skewness_hist.ADC	0.197429640	0.259671365
## Kurtosis_hist.ADC	0.268930708	0.242681635
## Energy_hist.ADC	0.401761775	0.291950727
## Entropy_hist.ADC	0.876304774	0.822271432
## AUC_hist.ADC	0.899192717	0.835550514
## Volume.ADC	0.310819852	0.407043132
## X3D_surface.ADC	0.404740699	0.447106614
## ratio_3ds_vol.ADC	0.572465275	0.443168908

## ratio_3ds_vol_norm.ADC	0.863136977	0.791991624	
## irregularity.ADC	0.879240559	0.784682818	
## Compactness_v1.ADC	0.619954468	0.505333059	
##	RLVAR_align.H.PET	Entropy_align.H.PET	SZSE.H.PET
## Failure	3.915803e-02	-0.071779592	-0.0289419320
## Entropy_cooc.W.ADC	1.035689e-01	0.076431254	0.0004161705
## GLNU_align.H.PET	1.470486e-01	0.021193453	-0.0786572212
## Min_hist.PET	-3.787665e-01	0.750045014	0.7785227636
## Max_hist.PET	-3.325525e-01	0.814571300	0.7889692709
## Mean_hist.PET	-3.848194e-01	0.787872106	0.7884230672
## Variance_hist.PET	-4.165930e-01	0.577180880	0.5557297062
## Standard_Deviation_hist.PET	-3.668083e-01	0.813219224	0.8029211099
## Skewness_hist.PET	2.457455e-01	0.380871569	0.4416760851
## Kurtosis_hist.PET	1.208461e-01	0.069612300	0.1124853096
## Energy_hist.PET	1.953715e-01	0.267174153	0.3561262213
## Entropy_hist.PET	2.567508e-01	0.889631898	0.7865187527
## AUC_hist.PET	3.005844e-01	0.890875540	0.8493745684
## H_suv.PET	-3.890161e-01	0.776094366	0.8269780567
## Volume.PET	2.034277e-02	0.475541518	0.3517199110
## X3D_surface.PET	8.198547e-02	0.363265967	0.2566148354
## ratio_3ds_vol.PET	2.349497e-01	0.330345336	0.4390133033
## ratio_3ds_vol_norm.PET	3.119860e-01	0.511227965	0.4816018707
## irregularity.PET	2.887542e-01	0.808441637	0.8089144117
## tumor_length.PET	2.153838e-01	0.703970615	0.5689855417
## Compactness_v1.PET	1.706250e-01	0.454355818	0.4978419151
## Compactness_v2.PET	-9.917875e-02	0.334049143	0.2866399177
## Spherical_disproportion.PET	3.119860e-01	0.511227965	0.4816018707
## Sphericity.PET	-1.016154e-01	0.332542506	0.2770791442
## Asphericity.PET	3.085120e-01	0.490995170	0.4624152281
## Center_of_mass.PET	1.683104e-01	0.492343182	0.3806564926
## Max_3D_diam.PET	4.220235e-02	0.647996614	0.4965879087
## Major_axis_length.PET	5.339089e-02	0.689730195	0.5458827095
## Minor_axis_length.PET	2.014526e-01	0.783866560	0.6317228702
## Least_axis_length.PET	1.364954e-01	0.727672883	0.5486886015
## Elongation.PET	3.068770e-01	0.716451960	0.6921277019
## Flatness.PET	2.647389e-01	0.714559200	0.6364175557
## Max_cooc.L.PET	2.257003e-01	0.316494061	0.3804294070
## Average_cooc.L.PET	1.798162e-01	0.708745378	0.6755249049
## Variance_cooc.L.PET	1.330030e-01	0.442032858	0.5170086933
## Entropy_cooc.L.PET	2.588234e-01	0.919043822	0.8560339505
## DAVE_cooc.L.PET	5.800520e-02	0.574288737	0.6698585171
## DVAR_cooc.L.PET	-4.003678e-02	0.496630934	0.6434929502
## DENT_cooc.L.PET	2.153359e-01	0.847119631	0.8442078318
## SAVE_cooc.L.PET	1.796417e-01	0.708679356	0.6753693854
## SVAR_cooc.L.PET	2.447898e-01	0.464104772	0.4794642253
## SENT_cooc.L.PET	3.033313e-01	0.857493877	0.8177083334
## ASM_cooc.L.PET	2.077674e-01	0.302154079	0.3646919130
## Contrast_cooc.L.PET	-6.248835e-02	0.347424524	0.5069762225
## Dissimilarity_cooc.L.PET	5.800520e-02	0.574288737	0.6698585171
## Inv_diff_cooc.L.PET	3.522666e-01	0.822126683	0.7204989504
## Inv_diff_norm_cooc.L.PET	3.078663e-01	0.914131841	0.8507819512
## IDM_cooc.L.PET	3.469807e-01	0.737095319	0.6388926967
## IDM_norm_cooc.L.PET	3.000533e-01	0.910933667	0.8540210538
## Inv_var_cooc.L.PET	3.458669e-01	0.744831042	0.6569248084

## Correlation_cooc.L.PET	5.107350e-01	0.662462015	0.4459667408
## Autocorrelation_cooc.L.PET	1.605914e-01	0.491763524	0.4561132359
## Tendency_cooc.L.PET	2.447898e-01	0.464104772	0.4794642253
## Shade_cooc.L.PET	2.201916e-01	0.200100774	0.2516000511
## Prominence_cooc.L.PET	2.312875e-01	0.247081339	0.2957264578
## IC1_.L.PET	-1.753205e-01	-0.145376228	-0.1756417225
## IC2_.L.PET	3.291452e-01	0.718485921	0.7115461629
## Coarseness_vdif_.L.PET	2.288981e-01	0.252810780	0.3437378738
## Contrast_vdif_.L.PET	-6.073236e-02	0.029496241	0.1904123605
## Busyness_vdif_.L.PET	3.216377e-05	0.464156106	0.3493950071
## Complexity_vdif_.L.PET	6.717467e-03	0.519358513	0.6628122403
## Strength_vdif_.L.PET	1.250299e-01	0.012098129	0.1762498728
## SRE_align.L.PET	2.794096e-01	0.896836553	0.8603460417
## LRE_align.L.PET	3.035960e-01	0.913446249	0.8395472866
## GLNU_align.L.PET	1.565545e-02	0.432591228	0.2927817303
## RLNU_align.L.PET	-1.646550e-02	0.438544112	0.2875222845
## RP_align.L.PET	2.785283e-01	0.895006778	0.8591763098
## LGRE_align.L.PET	2.249530e-01	0.461539089	0.5477816960
## HGRE_align.L.PET	1.324341e-01	0.511705451	0.4944295902
## LGSRE_align.L.PET	2.234380e-01	0.464710011	0.5531848351
## HGSRE_align.L.PET	1.286166e-01	0.507022294	0.4952272617
## LGHRE_align.L.PET	2.302534e-01	0.446887369	0.5234668270
## HGLRE_align.L.PET	1.477846e-01	0.529572787	0.4892978104
## GLNU_norm_align.L.PET	2.738555e-01	0.509060173	0.5638285830
## RLNU_norm_align.L.PET	2.745014e-01	0.888324525	0.8562745028
## GLVAR_align.L.PET	1.435608e-01	0.493617654	0.5408939311
## RLVAR_align.L.PET	3.121167e-01	0.599294707	0.5361207853
## Entropy_align.L.PET	2.699529e-01	0.921347473	0.8525360441
## SZSE.L.PET	2.519646e-01	0.870440903	0.8765063161
## LZSE.L.PET	2.783414e-01	0.671092716	0.4769556136
## LGLZE.L.PET	2.271042e-01	0.470659851	0.5547714885
## HGLZE.L.PET	1.305277e-01	0.520044544	0.5076355730
## SZLGE.L.PET	2.176344e-01	0.473783537	0.5765221052
## SZHGE.L.PET	1.107107e-01	0.508470199	0.5329252165
## LZLGE.L.PET	2.362886e-01	0.387394194	0.3971165832
## LZHGE.L.PET	1.741399e-01	0.460608699	0.3043049900
## GLNU_area.L.PET	8.712695e-03	0.436342188	0.3045458287
## ZSNU.L.PET	-2.710903e-02	0.439760042	0.3020128291
## ZSP.L.PET	2.567508e-01	0.869684327	0.8713964454
## GLNU_norm.L.PET	2.749237e-01	0.510561452	0.5642370581
## ZSNU_norm.L.PET	2.581050e-01	0.864530023	0.8569631993
## GLVAR_area.L.PET	1.442789e-01	0.506552669	0.5557863225
## ZSVAR.L.PET	2.196523e-01	0.494681441	0.3070686869
## Entropy_area.L.PET	2.736768e-01	0.930412396	0.8520358854
## Max_cooc.H.PET	7.484895e-01	-0.031816321	-0.0624935523
## Average_cooc.H.PET	4.185739e-01	0.795569298	0.7490458176
## Variance_cooc.H.PET	-6.430348e-02	0.951299529	0.9013428808
## Entropy_cooc.H.PET	-4.603818e-02	0.871698142	0.8737324952
## DAVE_cooc.H.PET	-9.000673e-02	0.874520476	0.9136992777
## DVAR_cooc.H.PET	-1.248328e-02	0.833807791	0.8502435884
## DENT_cooc.H.PET	8.061021e-02	0.813637470	0.7803665495
## SAVE_cooc.H.PET	3.670499e-01	0.850266518	0.7946675081
## SVAR_cooc.H.PET	1.370475e-01	0.923989950	0.8168789062
## SENT_cooc.H.PET	-7.425125e-02	0.748606826	0.7708682568

## ASM_cooc.H.PET	7.151161e-01	-0.019241136	-0.0499092739
## Contrast_cooc.H.PET	-1.646500e-01	0.799781741	0.8616046095
## Dissimilarity_cooc.H.PET	-9.000673e-02	0.874520476	0.9136992777
## Inv_diff_cooc.H.PET	8.082249e-01	0.379917789	0.2692385982
## Inv_diff_norm_cooc.H.PET	3.502189e-01	0.881816279	0.8238747227
## IDM_cooc.H.PET	8.469528e-01	0.252091932	0.1419994287
## IDM_norm_cooc.H.PET	3.154118e-01	0.894283027	0.8425337609
## Inv_var_cooc_.H.PET	4.967764e-02	0.589270375	0.6304807214
## Correlation_cooc.H.PET	4.307966e-01	0.703570993	0.4924929125
## Autocorrelation_cooc.H.PET	5.299974e-01	0.684700014	0.6274284800
## Tendency_cooc.H.PET	-4.383491e-03	0.948097678	0.8422145251
## Shade_cooc.H.PET	1.102605e-01	-0.543584652	-0.4551806809
## Prominence_cooc.H.PET	-1.863648e-01	0.843346253	0.7307408998
## IC1_d.H.PET	-5.681001e-01	-0.140786626	0.1057025772
## IC2_d.H.PET	3.759033e-01	0.810460476	0.6379190190
## Coarseness_vdif.H.PET	1.946922e-01	0.288825509	0.3642886785
## Contrast_vdif.H.PET	4.345824e-01	-0.009593864	-0.0557505801
## Busyness_vdif.H.PET	-1.918651e-02	0.191536514	0.1310041765
## Complexity_vdif.H.PET	5.363634e-02	0.544273228	0.6186721468
## Strength_vdif.H.PET	1.758009e-01	-0.108186443	-0.0575948469
## SRE_align.H.PET	7.332424e-02	0.938950352	0.9353177774
## LRE_align.H.PET	8.633231e-01	0.403172454	0.2524080945
## RLNU_align.H.PET	-1.093309e-01	0.458743555	0.3262378995
## RP_align.H.PET	2.911287e-02	0.938335117	0.9440835033
## LGRE_align.H.PET	1.698985e-01	0.352238102	0.4073156010
## HGRE_align.H.PET	5.097065e-01	0.696261018	0.6452073356
## LGSRE_align.H.PET	1.687660e-01	0.349255687	0.4053569144
## HGSRE_align.H.PET	2.765576e-01	0.800104498	0.7972584276
## LGHRE_align.H.PET	1.886557e-01	0.366000840	0.4126054023
## HGLRE_align.H.PET	9.496997e-01	0.186901469	0.0416166599
## GLNU_norm_align.H.PET	7.398854e-01	0.133442582	0.1010986353
## RLNU_norm_align.H.PET	-9.450587e-02	0.934371373	0.9636915483
## GLVAR_align.H.PET	-8.388232e-02	0.945790141	0.8828656057
## RLVAR_align.H.PET	1.000000e+00	0.061589403	-0.1092356258
## Entropy_align.H.PET	6.158940e-02	1.000000000	0.9252567116
## SZSE.H.PET	-1.092356e-01	0.925256712	1.0000000000
## LZSE.H.PET	6.413389e-01	-0.099961282	-0.1625577969
## LGLZE.H.PET	1.673135e-01	0.355651467	0.4093839232
## HGLZE.H.PET	4.759392e-01	0.701858121	0.6508859909
## SZLGE.H.PET	1.672926e-01	0.346524849	0.4041394046
## SZHGE.H.PET	6.864633e-02	0.783453418	0.8988027519
## LZLGE.H.PET	7.307224e-01	-0.062578868	-0.1569551470
## LZHGE.H.PET	7.013527e-01	-0.121697497	-0.1883448092
## GLNU_area.H.PET	-3.048863e-02	0.439496667	0.3211420619
## ZSNU.H.PET	-1.904718e-01	0.448718686	0.3485228479
## ZSP.H.PET	-3.874607e-01	0.828246302	0.9369430345
## GLNU_norm.H.PET	7.386936e-01	0.152966825	0.0994104344
## ZSNU_norm.H.PET	-2.762928e-01	0.868421319	0.9583772115
## GLVAR_area.H.PET	-1.009677e-01	0.931958027	0.8686847584
## ZSVAR_H.PET	6.794744e-01	-0.112107374	-0.1802338488
## Entropy_area.H.PET	1.939834e-01	0.970876888	0.8682601964
## Max_cooc.W.PET	6.106834e-01	0.042741296	0.0547616124
## Average_cooc.W.PET	-3.548703e-01	0.812809153	0.7757165244
## Variance_cooc.W.PET	-4.182396e-01	0.563803968	0.5577682692

## Entropy_cooc.W.PET	-1.137498e-01	0.980322304	0.9538784152
## DAVE_cooc.W.PET	-4.185232e-01	0.785005174	0.8363809826
## DVAR_cooc.W.PET	-4.581727e-01	0.583086359	0.6162296728
## DENT_cooc.W.PET	-1.699948e-01	0.950989808	0.9673326874
## SAVE_cooc.W.PET	-3.553630e-01	0.812388056	0.7751609962
## SVAR_cooc.W.PET	-3.818795e-01	0.535438013	0.5095931010
## SENT_cooc.W.PET	-1.646161e-02	0.970331995	0.9444193756
## ASM_cooc.W.PET	5.353432e-01	0.121492150	0.1397900599
## Contrast_cooc.W.PET	-4.763440e-01	0.587353694	0.6336466867
## Dissimilarity_cooc.W.PET	-4.185232e-01	0.785005174	0.8363809826
## Inv_diff_cooc.W.PET	7.414956e-01	0.457051916	0.3554230195
## Inv_diff_norm_cooc.W.PET	3.146874e-01	0.910707213	0.8474187267
## IDM_cooc.W.PET	8.149961e-01	0.297144381	0.1868401295
## IDM_norm_cooc.W.PET	3.010244e-01	0.909867487	0.8534710979
## Inv_var_cooc.W.PET	7.581097e-01	0.380138066	0.2752138276
## Correlation_cooc.W.PET	4.946668e-01	0.669674761	0.4542646561
## Autocorrelation_cooc.W.PET	-4.054312e-01	0.592176562	0.5395205445
## Tendency_cooc.W.PET	-3.818795e-01	0.535438013	0.5095931010
## Shade_cooc.W.PET	-1.905390e-01	0.212048830	0.1877048014
## Prominence_cooc.W.PET	-1.957899e-01	0.195062538	0.1523845065
## IC1_d.W.PET	-4.395067e-01	-0.189420330	0.0112049966
## IC2_d.W.PET	3.260750e-01	0.860377501	0.7408509732
## Coarseness_vdif.W.PET	2.155535e-01	0.195639169	0.2938606508
## Contrast_vdif.W.PET	-3.957423e-01	0.598611210	0.7365146621
## Busyness_vdif.W.PET	7.179282e-01	0.037816664	-0.1256605669
## Complexity_vdif.W.PET	-3.221529e-01	0.452491810	0.4044488054
## Strength_vdif.W.PET	-2.231058e-01	0.300252008	0.4319724198
## SRE_align.W.PET	1.839807e-01	0.926346953	0.9031779479
## LRE_align.W.PET	7.113937e-01	0.667928814	0.5404289987
## GLNU_align.W.PET	2.535839e-01	0.361718577	0.1883300092
## RLNU_align.W.PET	-6.838163e-02	0.449678773	0.3088999732
## RP_align.W.PET	1.513091e-01	0.930338033	0.9123315301
## LGRE_align.W.PET	6.733834e-01	0.121663699	0.1289541189
## HGRE_align.W.PET	-4.101039e-01	0.595913584	0.5455811385
## LGSRE_align.W.PET	6.370186e-01	0.157970863	0.1762833979
## HGSRE_align.W.PET	-4.153264e-01	0.591109336	0.5445722742
## LGHRE_align.W.PET	7.923448e-01	-0.007398495	-0.0404708871
## HGLRE_align.W.PET	-3.815623e-01	0.614540037	0.5459048762
## GLNU_norm_align.W.PET	6.980224e-01	0.143985692	0.1333968423
## RLNU_norm_align.W.PET	6.770462e-02	0.941929883	0.9389063362
## GLVAR_align.W.PET	-4.157716e-01	0.577445855	0.5550172775
## RLVAR_align.W.PET	9.811616e-01	0.111761717	-0.0378257769
## Entropy_align.W.PET	2.419420e-02	0.998401529	0.9355491412
## SZSE.W.PET	3.720791e-02	0.926889711	0.9683433611
## LZSE.W.PET	8.633800e-01	-0.056224034	-0.2079224029
## LGLZE.W.PET	7.042040e-01	0.149093276	0.1403389657
## HGLZE.W.PET	-4.119602e-01	0.598327018	0.5511620751
## SZLGE.W.PET	6.025329e-01	0.244436164	0.2849208890
## SZHGE.W.PET	-4.239042e-01	0.582794084	0.5515537623
## LZLGE.W.PET	6.784482e-01	-0.146907824	-0.2017621286
## LZHGE.W.PET	-4.561238e-02	0.561377229	0.3448959525
## GLNU_area.W.PET	1.225029e-01	0.403858377	0.2618550592
## ZSNU.W.PET	-1.361681e-01	0.452096385	0.3374030594
## ZSP.W.PET	-1.481285e-01	0.923781646	0.9873139280

## GLNU_norm.W.PET	7.117222e-01	0.163700002	0.1417284213
## ZSNU_norm.W.PET	-1.368123e-01	0.924195773	0.9805360541
## GLVAR_area.W.PET	-4.117311e-01	0.580220289	0.5576807241
## ZSVAR.W.PET	8.212412e-01	-0.117961599	-0.2385316125
## Entropy_area.W.PET	1.474360e-01	0.989050605	0.8990046014
## Min_hist.ADC	9.557959e-02	0.218083543	0.2207641689
## Max_hist.ADC	2.752875e-01	0.807534224	0.7618531428
## Mean_hist.ADC	2.547547e-01	0.734267819	0.7232702322
## Variance_hist.ADC	2.641143e-01	0.393045471	0.3700172324
## Standard_Deviation_hist.ADC	2.937980e-01	0.648078766	0.6167388223
## Skewness_hist.ADC	6.032853e-02	0.268749370	0.1822153404
## Kurtosis_hist.ADC	3.528244e-02	0.306802354	0.2586248914
## Energy_hist.ADC	2.188966e-01	0.307537225	0.3636518615
## Entropy_hist.ADC	2.600675e-01	0.904733675	0.8484106243
## AUC_hist.ADC	2.593631e-01	0.900629129	0.8497056128
## Volume.ADC	8.980953e-03	0.448956139	0.3423250290
## X3D_surface.ADC	1.029952e-01	0.500170379	0.4380066021
## ratio_3ds_vol.ADC	2.245530e-01	0.469005081	0.4758561546
## ratio_3ds_vol_norm.ADC	2.372438e-01	0.867270384	0.8290383138
## irregularity.ADC	2.660245e-01	0.842956386	0.8064373783
## Compactness_v1.ADC	2.750927e-01	0.544246074	0.5700387726
##	LZSE.H.PET	LGLZE.H.PET	HGLZE.H.PET
## Failure	-0.0497574559	0.045754008	-0.003458889
## Entropy_cooc.W.ADC	0.1460568481	-0.018278356	0.067935521
## GLNU_align.H.PET	0.1028765896	0.048618404	-0.001812536
## Min_hist.PET	-0.2229210013	0.161610069	0.281676325
## Max_hist.PET	-0.2131681334	0.188456772	0.315961934
## Mean_hist.PET	-0.2233050205	0.171441674	0.263963966
## Variance_hist.PET	-0.1729553197	0.106008426	0.052221397
## Standard_Deviation_hist.PET	-0.2118259301	0.214433439	0.298390447
## Skewness_hist.PET	0.0257074255	0.268802664	0.693886891
## Kurtosis_hist.PET	0.0036683205	0.128865207	0.282596610
## Energy_hist.PET	-0.0662427484	0.969543875	0.353825907
## Entropy_hist.PET	-0.0294152126	0.305207739	0.781089936
## AUC_hist.PET	-0.0495184890	0.502263371	0.874926149
## H_suv.PET	-0.2269384630	0.310855021	0.297021910
## Volume.PET	-0.0636875170	-0.127284725	0.262578386
## X3D_surface.PET	0.0021553199	0.126153488	0.189194312
## ratio_3ds_vol.PET	-0.0089718528	0.613516226	0.547536382
## ratio_3ds_vol_norm.PET	0.0484416387	0.633279058	0.544949125
## irregularity.PET	-0.0570474888	0.460512188	0.864020233
## tumor_length.PET	0.0162703382	0.350339254	0.534328899
## Compactness_v1.PET	-0.1149283650	0.919914346	0.429565940
## Compactness_v2.PET	-0.1094812380	-0.238362508	0.158162566
## Spherical_disproportion.PET	0.0484416387	0.633279058	0.544949125
## Sphericity.PET	-0.0991263316	-0.385551749	0.176405267
## Asphericity.PET	0.0511561112	0.631151844	0.526479034
## Center_of_mass.PET	0.1062707641	0.189866556	0.370750261
## Max_3D_diam.PET	-0.0489899277	-0.120685656	0.379301919
## Major_axis_length.PET	-0.0474436057	0.020839568	0.404105486
## Minor_axis_length.PET	0.0016256628	0.169715154	0.567757574
## Least_axis_length.PET	-0.0302226329	0.052019298	0.454762245
## Elongation.PET	-0.0124646610	0.479582493	0.743465610
## Flatness.PET	-0.0424390184	0.381487106	0.656725746

## Max_cooc.L.PET	-0.0600904194	0.984807476	0.393311135
## Average_cooc.L.PET	-0.0646101629	0.377311198	0.596309975
## Variance_cooc.L.PET	-0.0201946850	0.305513181	0.543261332
## Entropy_cooc.L.PET	-0.0559584200	0.389604959	0.836283002
## DAVE_cooc.L.PET	-0.1122663351	0.356918844	0.613267436
## DVAR_cooc.L.PET	-0.1398071427	0.392158294	0.525425595
## DENT_cooc.L.PET	-0.0804414484	0.420213047	0.830664221
## SAVE_cooc.L.PET	-0.0645577574	0.376245279	0.596143346
## SVAR_cooc.L.PET	0.0461119984	0.287716651	0.578051895
## SENT_cooc.L.PET	-0.0374685431	0.502593912	0.839848446
## ASM_cooc.L.PET	-0.0642970676	0.991530814	0.353071458
## Contrast_cooc.L.PET	-0.1227643485	0.292369557	0.414822392
## Dissimilarity_cooc.L.PET	-0.1122663351	0.356918844	0.613267436
## Inv_diff_cooc.L.PET	-0.0172908859	0.548829171	0.771218070
## Inv_diff_norm_cooc.L.PET	-0.0486280320	0.463640991	0.872011597
## IDM_cooc.L.PET	-0.0122320850	0.601451044	0.697604315
## IDM_norm_cooc.L.PET	-0.0526740629	0.461263252	0.872415293
## Inv_var_cooc.L.PET	-0.0063057735	0.599590671	0.699463969
## Correlation_cooc.L.PET	0.1380262842	0.311717036	0.640380702
## Autocorrelation_cooc.L.PET	-0.0341729878	0.315270992	0.393877097
## Tendency_cooc.L.PET	0.0461119984	0.287716651	0.578051895
## Shade_cooc.L.PET	0.1691470841	0.082853114	0.511025168
## Prominence_cooc.L.PET	0.0977962316	0.209182824	0.473783505
## IC1_.L.PET	-0.0695424165	0.082095578	-0.350150487
## IC2_.L.PET	-0.0060800870	0.512969799	0.795953393
## Coarseness_vdif_.L.PET	-0.0565114088	0.900330285	0.391356337
## Contrast_vdif_.L.PET	-0.0682506385	0.194649079	0.144490700
## Busyness_vdif_.L.PET	-0.0757172658	-0.025140166	0.285571223
## Complexity_vdif_.L.PET	-0.1355059811	0.415313874	0.593354659
## Strength_vdif_.L.PET	-0.0016333826	0.258180655	0.327484832
## SRE_align.L.PET	-0.0613778193	0.466961439	0.867616779
## LRE_align.L.PET	-0.0510005019	0.450017378	0.868640097
## GLNU_align.L.PET	-0.0561942706	-0.009754511	0.209888967
## RLNU_align.L.PET	-0.0579210220	-0.056804449	0.160420331
## RP_align.L.PET	-0.0618965167	0.467009920	0.867408968
## LGRE_align.L.PET	-0.0756535282	0.626892049	0.649651409
## HGRE_align.L.PET	-0.0475831358	0.326610487	0.406156181
## LGSRE_align.L.PET	-0.0780689638	0.637654298	0.650336465
## HGSRE_align.L.PET	-0.0486648574	0.327287266	0.405947381
## LCHRE_align.L.PET	-0.0653776946	0.582852773	0.642538385
## HGLRE_align.L.PET	-0.0430764312	0.322597029	0.405856154
## GLNU_norm_align.L.PET	-0.0656932914	0.888849285	0.619922823
## RLNU_norm_align.L.PET	-0.0634874950	0.467958882	0.865388490
## GLVAR_align.L.PET	-0.0197498010	0.317623328	0.535826885
## RLVAR_align.L.PET	-0.0332636710	0.827980083	0.550794934
## Entropy_align.L.PET	-0.0516509027	0.403967987	0.833558745
## SZSE.L.PET	-0.0625120390	0.471858685	0.839113984
## LZSE.L.PET	-0.0319258706	0.283050533	0.632145091
## LGLZE.L.PET	-0.0813051125	0.640449366	0.648400648
## HGLZE.L.PET	-0.0470427997	0.329048211	0.417054947
## SZLGE.L.PET	-0.0878986931	0.673237276	0.638423126
## SZHGE.L.PET	-0.0481137609	0.334962741	0.414245404
## LZLGE.L.PET	-0.0341474683	0.444487472	0.586362979
## LZHGE.L.PET	-0.0358008226	0.241295638	0.336962726

## GLNU_area.L.PET	-0.0576497940	-0.015918244	0.208285020
## ZSNU.L.PET	-0.0587971972	-0.066095133	0.157336798
## ZSP.L.PET	-0.0609542701	0.468957552	0.847388207
## GLNU_norm.L.PET	-0.0664879689	0.892860881	0.617782021
## ZSNU_norm.L.PET	-0.0611596886	0.469746657	0.849669723
## GLVAR_area.L.PET	-0.0180161380	0.326574091	0.544512211
## ZSVAR.L.PET	-0.0364699663	0.345050216	0.403592874
## Entropy_area.L.PET	-0.0531455608	0.402083843	0.837178809
## Max_cooc.H.PET	0.3577998087	0.351121931	0.514778126
## Average_cooc.H.PET	0.0101724400	0.422351180	0.908719407
## Variance_cooc.H.PET	-0.2195197455	0.363014448	0.582224116
## Entropy_cooc.H.PET	-0.1841185447	0.301881233	0.629300110
## DAVE_cooc.H.PET	-0.2318659288	0.380554895	0.640691194
## DVAR_cooc.H.PET	-0.2062086506	0.394353240	0.610441687
## DENT_cooc.H.PET	-0.0187518139	0.224394170	0.711238672
## SAVE_cooc.H.PET	0.0014673227	0.410773488	0.897201589
## SVAR_cooc.H.PET	-0.0495940418	0.365019496	0.664454942
## SENT_cooc.H.PET	-0.1489243903	0.626983235	0.490186823
## ASM_cooc.H.PET	0.3420369854	0.450123874	0.479197196
## Contrast_cooc.H.PET	-0.2374604026	0.355828986	0.527484442
## Dissimilarity_cooc.H.PET	-0.2318659288	0.380554895	0.640691194
## Inv_diff_cooc.H.PET	0.2713950895	0.423069248	0.772306977
## Inv_diff_norm_cooc.H.PET	-0.0236532616	0.470408697	0.889580845
## IDM_cooc.H.PET	0.3092926157	0.389100912	0.699940894
## IDM_norm_cooc.H.PET	-0.0434260554	0.464905919	0.880852439
## Inv_var_cooc.H.PET	-0.1319878230	0.907201450	0.470457683
## Correlation_cooc.H.PET	0.0883050437	0.320377525	0.601948756
## Autocorrelation_cooc.H.PET	0.0717139756	0.408986364	0.906284211
## Tendency_cooc.H.PET	-0.1902034141	0.334306405	0.559716938
## Shade_cooc.H.PET	0.2312247986	-0.223860538	-0.132980362
## Prominence_cooc.H.PET	-0.2234028518	0.240011147	0.316114101
## IC1_d.H.PET	-0.4352740694	0.387872649	-0.223509868
## IC2_d.H.PET	0.0556466006	0.376601667	0.686891447
## Coarseness_vdif.H.PET	-0.0586954718	0.986904808	0.349872490
## Contrast_vdif.H.PET	-0.0105370592	0.227295005	0.262119043
## Busyness_vdif.H.PET	-0.0599409334	-0.392509774	0.109541278
## Complexity_vdif.H.PET	-0.1282471138	0.676385342	0.479878186
## Strength_vdif.H.PET	0.1521621258	0.095226213	0.183700799
## SRE_align.H.PET	-0.1736621667	0.456023920	0.792707927
## LRE_align.H.PET	0.4914552921	0.282603052	0.749964172
## RLNU_align.H.PET	-0.1008819993	-0.038518257	0.142292356
## RP_align.H.PET	-0.1889969502	0.453513069	0.771795352
## LGRE_align.H.PET	-0.0796421057	0.999798048	0.343977867
## HGRE_align.H.PET	0.0732526683	0.404439150	0.912822054
## LGSRE_align.H.PET	-0.0797664096	0.999751794	0.342167253
## HGSRE_align.H.PET	-0.0788189406	0.416353248	0.893870761
## LGHRE_align.H.PET	-0.0699891113	0.999453519	0.356760160
## HGLRE_align.H.PET	0.5676926214	0.204009987	0.608317650
## GLNU_norm_align.H.PET	0.2386133691	0.393263296	0.662935174
## RLNU_norm_align.H.PET	-0.2293243185	0.434336803	0.697631648
## GLVAR_align.H.PET	-0.2211720177	0.346087533	0.544057548
## RLVAR_align.H.PET	0.6413388806	0.167313479	0.475939208
## Entropy_align.H.PET	-0.0999612824	0.355651467	0.701858121
## SZSE.H.PET	-0.1625577969	0.409383923	0.650885991

## LZSE.H.PET	1.0000000000	-0.080801368	0.148529828
## LGLZE.H.PET	-0.0808013682	1.000000000	0.341453880
## HGLZE.H.PET	0.1485298277	0.341453880	1.000000000
## SZLGE.H.PET	-0.0787031434	0.999841623	0.338591544
## SZHGE.H.PET	-0.0082978708	0.331646593	0.766887634
## LZLGE.H.PET	0.9490376230	0.052312685	0.184075075
## LZHGE.H.PET	0.9595227456	-0.041996145	0.160898414
## GLNU_area.H.PET	-0.1011251951	-0.068710554	0.200966377
## ZSNU.H.PET	-0.1123324822	-0.039123889	0.098558450
## ZSP.H.PET	-0.2785726715	0.312310044	0.435054674
## GLNU_norm.H.PET	0.2110339597	0.400602649	0.616468481
## ZSNU_norm.H.PET	-0.1964351802	0.354955704	0.502861056
## GLVAR_area.H.PET	-0.2307658921	0.336205343	0.534968886
## ZSVAR.H.PET	0.9867955766	-0.059450311	0.145757443
## Entropy_area.H.PET	-0.1031137206	0.382575050	0.790282745
## Max_cooc.W.PET	0.2472266772	0.588576532	0.490856158
## Average_cooc.W.PET	-0.2085915714	0.199994616	0.253933176
## Variance_cooc.W.PET	-0.1717663688	0.111106104	0.064790295
## Entropy_cooc.W.PET	-0.1964390969	0.330863076	0.634292724
## DAVE_cooc.W.PET	-0.2297149997	0.215267546	0.310169243
## DVAR_cooc.W.PET	-0.1824990595	0.113102746	0.085476054
## DENT_cooc.W.PET	-0.2161533021	0.342878831	0.622553975
## SAVE_cooc.W.PET	-0.2085052780	0.198000779	0.253299547
## SVAR_cooc.W.PET	-0.1600266483	0.106789084	0.053590980
## SENT_cooc.W.PET	-0.1598368753	0.447533695	0.687189707
## ASM_cooc.W.PET	0.1833939360	0.775725331	0.463459348
## Contrast_cooc.W.PET	-0.1870832184	0.111235018	0.087904077
## Dissimilarity_cooc.W.PET	-0.2297149997	0.215267546	0.310169243
## Inv_diff_cooc.W.PET	0.1859483394	0.443060777	0.804336652
## Inv_diff_norm_cooc.W.PET	-0.0443108659	0.464982264	0.873913601
## IDM_cooc.W.PET	0.2537732001	0.402383103	0.717183087
## IDM_norm_cooc.W.PET	-0.0518630577	0.462040435	0.872446855
## Inv_var_cooc.W.PET	0.1763831777	0.439835718	0.738252174
## Correlation_cooc.W.PET	0.1278425254	0.311022683	0.634711044
## Autocorrelation_cooc.W.PET	-0.1715848677	0.092194407	0.018438115
## Tendency_cooc.W.PET	-0.1600266483	0.106789084	0.053590980
## Shade_cooc.W.PET	-0.0714223168	0.063776719	-0.016041500
## Prominence_cooc.W.PET	-0.0685248084	0.042889694	-0.075116827
## IC1_d.W.PET	-0.3921549307	0.443230616	-0.216204022
## IC2_d.W.PET	0.0434868055	0.436605885	0.733654181
## Coarseness_vdif.W.PET	-0.0546017229	0.822794023	0.360648119
## Contrast_vdif.W.PET	-0.2022657778	0.315763679	0.247883145
## Busyness_vdif.W.PET	0.3912195929	-0.126960466	0.407714142
## Complexity_vdif.W.PET	-0.1292338891	0.087505617	0.004040752
## Strength_vdif.W.PET	-0.1022014984	0.199683082	0.178577741
## SRE_align.W.PET	-0.1126135976	0.463010656	0.837118586
## LRE_align.W.PET	0.2629186214	0.393496988	0.878921183
## GLNU_align.W.PET	0.0610683464	-0.081072823	0.273700002
## RLNU_align.W.PET	-0.0844576389	-0.043154017	0.150803780
## RP_align.W.PET	-0.1314703562	0.461768092	0.825318213
## LGRE_align.W.PET	0.2192594069	0.361049758	0.676764365
## HGRE_align.W.PET	-0.1727241106	0.083783070	0.021451485
## LGSRE_align.W.PET	0.1731354200	0.392084089	0.690726382
## HGSRE_align.W.PET	-0.1732651815	0.081980076	0.018820273

## LGHRE_align.W.PET	0.4539542812	0.228483326	0.588783509
## HGLRE_align.W.PET	-0.1662992571	0.090632714	0.032576516
## GLNU_norm_align.W.PET	0.2155395241	0.497975892	0.655010233
## RLNU_norm_align.W.PET	-0.1643581744	0.453692400	0.787552730
## GLVAR_align.W.PET	-0.1728021066	0.104037201	0.052434376
## RLVAR_align.W.PET	0.5991064609	0.309666123	0.532308321
## Entropy_align.W.PET	-0.1310496773	0.356028481	0.696451944
## SZSE.W.PET	-0.1559558518	0.452492457	0.757345916
## LZSE.W.PET	0.7540109178	0.064208476	0.337438024
## LGLZE.W.PET	0.2251550487	0.386808085	0.674106766
## HGLZE.W.PET	-0.1736217505	0.084426312	0.030097950
## SZLGE.W.PET	0.1493166754	0.476989471	0.694572147
## SZHGE.W.PET	-0.1733441220	0.079730592	0.023730334
## LZLGE.W.PET	0.8370047207	-0.011899082	0.273337295
## LZHGE.W.PET	-0.0375685591	0.118532363	0.087101254
## GLNU_area.W.PET	-0.0214433365	-0.074576975	0.242804845
## ZSNU.W.PET	-0.1041964147	-0.039138207	0.126010382
## ZSP.W.PET	-0.2377630725	0.406746470	0.651784555
## GLNU_norm.W.PET	0.2060357873	0.516459719	0.639720262
## ZSNU_norm.W.PET	-0.2140975289	0.412392600	0.656096291
## GLVAR_area.W.PET	-0.1720813899	0.109251801	0.058096817
## ZSVAR.W.PET	0.8057043363	0.030571328	0.251320712
## Entropy_area.W.PET	-0.0883745939	0.373414453	0.767172679
## Min_hist.ADC	-0.0708933027	0.206125140	0.226877502
## Max_hist.ADC	-0.0243685282	0.357519699	0.823593720
## Mean_hist.ADC	-0.0506574813	0.356205868	0.794224885
## Variance_hist.ADC	0.0938516542	0.259263780	0.537255477
## Standard_Deviation_hist.ADC	0.0430351033	0.348016481	0.743984365
## Skewness_hist.ADC	-0.1057267290	0.147708735	0.094277700
## Kurtosis_hist.ADC	-0.0605981934	0.112177518	0.186886099
## Energy_hist.ADC	-0.0623863063	0.985602297	0.358410754
## Entropy_hist.ADC	-0.0356894242	0.390678155	0.844598621
## AUC_hist.ADC	-0.0818479366	0.475794038	0.821406505
## Volume.ADC	-0.0697933961	-0.134843595	0.262101861
## X3D_surface.ADC	-0.0147445921	0.104260427	0.377210183
## ratio_3ds_vol.ADC	-0.0614550962	0.465535644	0.547800834
## ratio_3ds_vol_norm.ADC	-0.0801619646	0.368137481	0.819513473
## irregularity.ADC	-0.0613569127	0.466934724	0.817682507
## Compactness_v1.ADC	-0.0568687296	0.934784295	0.575171134
##	SZLGE.H.PET	SZHGE.H.PET	LZLGE.H.PET
## Failure	0.048182796	-0.028814565	-0.0544367435
## Entropy_cooc.W.ADC	-0.020661971	-0.020990540	0.1675021963
## GLNU_align.H.PET	0.046835896	-0.121132868	0.1721679396
## Min_hist.PET	0.156026087	0.607849840	-0.2563894114
## Max_hist.PET	0.181031222	0.598009443	-0.2325215051
## Mean_hist.PET	0.164268238	0.578660967	-0.2519843566
## Variance_hist.PET	0.100533506	0.353237235	-0.2051559611
## Standard_Deviation_hist.PET	0.207194366	0.591762328	-0.2311974510
## Skewness_hist.PET	0.271714144	0.658411294	0.0407081407
## Kurtosis_hist.PET	0.131317224	0.256204868	0.0132458097
## Energy_hist.PET	0.971252963	0.349659332	0.0654779842
## Entropy_hist.PET	0.297453056	0.704242794	0.0131898812
## AUC_hist.PET	0.496317581	0.833333524	0.0278702092
## H_suv.PET	0.304974409	0.610554080	-0.2446858118

## Volume.PET	-0.133157185	0.268046054	-0.0758204270
## X3D_surface.PET	0.121513970	0.157369575	0.0305272786
## ratio_3ds_vol.PET	0.615422502	0.554985862	0.0782831086
## ratio_3ds_vol_norm.PET	0.630761057	0.464981478	0.1607155586
## irregularity.PET	0.456206646	0.847492468	0.0039910981
## tumor_length.PET	0.342838478	0.449894434	0.0715115440
## Compactness_v1.PET	0.919159396	0.435948924	0.0051983537
## Compactness_v2.PET	-0.242513180	0.261018656	-0.1530586346
## Spherical_disproportion.PET	0.630761057	0.464981478	0.1607155586
## Sphericity.PET	-0.389889387	0.266614086	-0.1637502655
## Asphericity.PET	0.628801862	0.446211411	0.1635677227
## Center_of_mass.PET	0.184535292	0.343571558	0.1450328534
## Max_3D_diam.PET	-0.128805136	0.400481890	-0.0655216853
## Major_axis_length.PET	0.012653338	0.428087913	-0.0467444082
## Minor_axis_length.PET	0.161037651	0.513654435	0.0390140398
## Least_axis_length.PET	0.042791663	0.405320491	-0.0042599534
## Elongation.PET	0.474600529	0.667312972	0.0658028216
## Flatness.PET	0.374946064	0.566689652	0.0334132783
## Max_cooc.L.PET	0.985834588	0.355356856	0.0727612043
## Average_cooc.L.PET	0.370195530	0.571544229	-0.0058330260
## Variance_cooc.L.PET	0.305087248	0.547924703	0.0028024686
## Entropy_cooc.L.PET	0.382397260	0.791176485	-0.0035344125
## DAVE_cooc.L.PET	0.355581169	0.682720656	-0.0912734929
## DVAR_cooc.L.PET	0.392830949	0.693048229	-0.1299022387
## DENT_cooc.L.PET	0.415074770	0.826350501	-0.0328930872
## SAVE_cooc.L.PET	0.369125463	0.571408630	-0.0059227942
## SVAR_cooc.L.PET	0.286223175	0.498499904	0.0802777475
## SENT_cooc.L.PET	0.496689876	0.783354655	0.0348414936
## ASM_cooc.L.PET	0.992496216	0.321211146	0.0707634355
## Contrast_cooc.L.PET	0.293696057	0.552617234	-0.1206405780
## Dissimilarity_cooc.L.PET	0.355581169	0.682720656	-0.0912734929
## Inv_diff_cooc.L.PET	0.541953509	0.689881198	0.0784791574
## Inv_diff_norm_cooc.L.PET	0.456780262	0.822083728	0.0201747009
## IDM_cooc.L.PET	0.595386559	0.611415246	0.0937552891
## IDM_norm_cooc.L.PET	0.454565912	0.825700909	0.0140911124
## Inv_var_cooc.L.PET	0.593867936	0.624370699	0.0939548870
## Correlation_cooc.L.PET	0.303662929	0.398017864	0.2306185152
## Autocorrelation_cooc.L.PET	0.308743958	0.333642877	0.0265418797
## Tendency_cooc.L.PET	0.286223175	0.498499904	0.0802777475
## Shade_cooc.L.PET	0.087577049	0.457040410	0.1467300201
## Prominence_cooc.L.PET	0.210945715	0.376780187	0.1125720328
## IC1_.L.PET	0.082333622	-0.347335188	-0.0847023259
## IC2_.L.PET	0.509016961	0.747893992	0.0741330018
## Coarseness_vdif_.L.PET	0.902004206	0.366523633	0.0741213277
## Contrast_vdif_.L.PET	0.197523951	0.332692766	-0.0650809077
## Busyness_vdif_.L.PET	-0.030441311	0.278854104	-0.0766995098
## Complexity_vdif_.L.PET	0.415627588	0.714976954	-0.1160966728
## Strength_vdif_.L.PET	0.262902380	0.406170887	0.0147122437
## SRE_align.L.PET	0.460833232	0.836823493	0.0014403501
## LRE_align.L.PET	0.442763373	0.810808523	0.0197432002
## GLNU_align.L.PET	-0.016061467	0.202129174	-0.0468521080
## RLNU_align.L.PET	-0.064067243	0.157685476	-0.0555904630
## RP_align.L.PET	0.460896080	0.836042210	0.0008608404
## LGRE_align.L.PET	0.629010880	0.663564860	-0.0024201861

## HGRE_align.L.PET	0.320436067	0.385726060	0.0146108100
## LGSRE_align.L.PET	0.639797875	0.665833997	-0.0037804876
## HGSRE_align.L.PET	0.321329352	0.390282010	0.0124078438
## LGHRE_align.L.PET	0.584847572	0.649870291	0.0041562694
## HGLRE_align.L.PET	0.315531568	0.365721052	0.0238445038
## GLNU_norm_align.L.PET	0.888734372	0.592849238	0.0516490333
## RLNU_norm_align.L.PET	0.461947585	0.834242630	-0.0012101571
## GLVAR_align.L.PET	0.315739331	0.526187641	0.0119914547
## RLVAR_align.L.PET	0.823811502	0.472604513	0.1028117333
## Entropy_align.L.PET	0.396480183	0.786883683	0.0075647606
## SZSE.L.PET	0.467187103	0.858409886	-0.0123642595
## LZSE.L.PET	0.273299010	0.431918809	0.0578079249
## LGLZE.L.PET	0.642402465	0.664452840	-0.0046336163
## HGLZE.L.PET	0.322961139	0.407905294	0.0144773724
## SZLGE.L.PET	0.675634992	0.678246998	-0.0120856805
## SZHGE.L.PET	0.330137338	0.451354651	0.0036453365
## LZLGE.L.PET	0.444817621	0.521845449	0.0364027267
## LZHGE.L.PET	0.231284551	0.152868873	0.0513076954
## GLNU_area.L.PET	-0.022015983	0.211569634	-0.0528218995
## ZSNU.L.PET	-0.073019823	0.171263354	-0.0630576407
## ZSP.L.PET	0.464058635	0.857446609	-0.0092229390
## GLNU_norm.L.PET	0.892691593	0.589924407	0.0517174745
## ZSNU_norm.L.PET	0.464266616	0.844312267	-0.0053742754
## GLVAR_area.L.PET	0.324652834	0.544725252	0.0150039779
## ZSVAR.L.PET	0.337085187	0.226939614	0.0609101059
## Entropy_area.L.PET	0.394387246	0.783179737	0.0083980814
## Max_cooc.H.PET	0.355366483	0.185718634	0.4300207365
## Average_cooc.H.PET	0.417518716	0.791095530	0.0725726806
## Variance_cooc.H.PET	0.353098912	0.710002669	-0.1723489613
## Entropy_cooc.H.PET	0.295496920	0.787076534	-0.1836616918
## DAVE_cooc.H.PET	0.374243143	0.799194922	-0.2037764108
## DVAR_cooc.H.PET	0.388122008	0.734008848	-0.1539284734
## DENT_cooc.H.PET	0.218109749	0.719608900	-0.0081956552
## SAVE_cooc.H.PET	0.404985111	0.806667399	0.0609494097
## SVAR_cooc.H.PET	0.354987820	0.661704797	0.0098485260
## SENT_cooc.H.PET	0.621513245	0.612613339	-0.0865069829
## ASM_cooc.H.PET	0.453770048	0.154614089	0.4049543675
## Contrast_cooc.H.PET	0.350154000	0.727154143	-0.2181862588
## Dissimilarity_cooc.H.PET	0.374243143	0.799194922	-0.2037764108
## Inv_diff_cooc.H.PET	0.421729904	0.430283446	0.3792470652
## Inv_diff_norm_cooc.H.PET	0.464241818	0.817227787	0.0463461889
## IDM_cooc.H.PET	0.388883561	0.327230551	0.4184080715
## IDM_norm_cooc.H.PET	0.458596880	0.826649871	0.0232723115
## Inv_var_cooc.H.PET	0.905487545	0.539414020	-0.0306897159
## Correlation_cooc.H.PET	0.311381708	0.411063736	0.1811040631
## Autocorrelation_cooc.H.PET	0.405271394	0.713334441	0.1352567595
## Tendency_cooc.H.PET	0.322986069	0.637248798	-0.1321991401
## Shade_cooc.H.PET	-0.211499627	-0.196787458	0.1958959663
## Prominence_cooc.H.PET	0.227133884	0.454252634	-0.1949338388
## IC1_d.H.PET	0.393792137	0.031452010	-0.4555369786
## IC2_d.H.PET	0.367825479	0.570653515	0.1434046206
## Coarseness_vdif.H.PET	0.988167972	0.329094832	0.0655620615
## Contrast_vdif.H.PET	0.228193204	0.025519848	0.1143454508
## Busyness_vdif.H.PET	-0.395291747	0.147827958	-0.1119724880

## Complexity_vdif.H.PET	0.674089157	0.540668643	-0.0425241746
## Strength_vdif.H.PET	0.097782466	0.091658817	0.0615308295
## SRE_align.H.PET	0.449392360	0.864283619	-0.1287821324
## LRE_align.H.PET	0.279958062	0.390564695	0.5568076187
## RLNU_align.H.PET	-0.045812127	0.175866416	-0.1103226513
## RP_align.H.PET	0.446923010	0.865542679	-0.1494292154
## LGRE_align.H.PET	0.999786339	0.333114665	0.0535304502
## HGRE_align.H.PET	0.400958011	0.745669263	0.1377052234
## LGSRE_align.H.PET	0.999802546	0.331690711	0.0531409670
## HGSRE_align.H.PET	0.412366815	0.857342057	-0.0280447372
## LGHRE_align.H.PET	0.999094100	0.337957721	0.0659651873
## HGLRE_align.H.PET	0.203318449	0.216524962	0.6288258343
## GLNU_norm_align.H.PET	0.395903561	0.325439495	0.3183488416
## RLNU_norm_align.H.PET	0.427769764	0.858500963	-0.2041025832
## GLVAR_align.H.PET	0.335525858	0.670603607	-0.1778506749
## RLVAR_align.H.PET	0.167292633	0.068646328	0.7307223598
## Entropy_align.H.PET	0.346524849	0.783453418	-0.0625788678
## SZSE.H.PET	0.404139405	0.898802752	-0.1569551470
## LZSE.H.PET	-0.078703143	-0.008297871	0.9490376230
## LGLZE.H.PET	0.999841623	0.331646593	0.0523126849
## HGLZE.H.PET	0.338591544	0.766887634	0.1840750754
## SZLGE.H.PET	1.000000000	0.330238360	0.0535111963
## SZHGE.H.PET	0.330238360	1.000000000	-0.0149358302
## LZLGE.H.PET	0.053511196	-0.014935830	1.0000000000
## LZHGE.H.PET	-0.039938711	-0.031965469	0.9123508349
## GLNU_area.H.PET	-0.074987722	0.215288674	-0.1111451738
## ZSNU.H.PET	-0.045648816	0.187874129	-0.1360841047
## ZSP.H.PET	0.307655581	0.787119943	-0.3069234869
## GLNU_norm.H.PET	0.402192618	0.264201924	0.3119256489
## ZSNU_norm.H.PET	0.349675070	0.821495094	-0.2070721344
## GLVAR_area.H.PET	0.325910988	0.658766018	-0.1956483904
## ZSVAR.H.PET	-0.057333872	-0.025337706	0.9665020661
## Entropy_area.H.PET	0.373797436	0.773983717	-0.0468191180
## Max_cooc.W.PET	0.592270260	0.236842929	0.3280586975
## Average_cooc.W.PET	0.190986019	0.525236082	-0.2255606156
## Variance_cooc.W.PET	0.106374182	0.374414357	-0.2044659993
## Entropy_cooc.W.PET	0.322476381	0.796925496	-0.1807835168
## DAVE_cooc.W.PET	0.209623709	0.646049249	-0.2612001555
## DVAR_cooc.W.PET	0.108867916	0.434465752	-0.2230667761
## DENT_cooc.W.PET	0.335852783	0.829914991	-0.2094887041
## SAVE_cooc.W.PET	0.188988202	0.524730668	-0.2257556463
## SVAR_cooc.W.PET	0.101984863	0.334391129	-0.1870788807
## SENT_cooc.W.PET	0.439751192	0.808133969	-0.1194529246
## ASM_cooc.W.PET	0.778612641	0.247042439	0.2807466199
## Contrast_cooc.W.PET	0.107113779	0.445388259	-0.2318197077
## Dissimilarity_cooc.W.PET	0.209623709	0.646049249	-0.2612001555
## Inv_diff_cooc.W.PET	0.440539775	0.486280153	0.2969986165
## Inv_diff_norm_cooc.W.PET	0.458177477	0.821484511	0.0245355423
## IDM_cooc.W.PET	0.401227094	0.349936158	0.3693307342
## IDM_norm_cooc.W.PET	0.455361847	0.826133248	0.0147659724
## Inv_var_cooc.W.PET	0.437771927	0.404996264	0.3028750652
## Correlation_cooc.W.PET	0.302879164	0.400745475	0.2195354340
## Autocorrelation_cooc.W.PET	0.084711436	0.295860933	-0.2020090962
## Tendency_cooc.W.PET	0.101984863	0.334391129	-0.1870788807

## Shade_cooc.W.PET	0.062954838	0.137941245	-0.0800201689
## Prominence_cooc.W.PET	0.041245070	0.072111808	-0.0778228900
## IC1_d.W.PET	0.448905053	-0.064426985	-0.3924451821
## IC2_d.W.PET	0.428711218	0.681143163	0.1260078482
## Coarseness_vdif.W.PET	0.824860794	0.355514325	0.0662136338
## Contrast_vdif.W.PET	0.313821036	0.597278995	-0.2231009818
## Busyness_vdif.W.PET	-0.126291567	0.009002101	0.4180927222
## Complexity_vdif.W.PET	0.082750298	0.239884914	-0.1515744259
## Strength_vdif.W.PET	0.201338338	0.464853354	-0.1143274412
## SRE_align.W.PET	0.456538336	0.855873648	-0.0579776048
## LRE_align.W.PET	0.388615466	0.620950316	0.3518323616
## GLNU_align.W.PET	-0.086758593	0.156393361	0.0909831678
## RLNU_align.W.PET	-0.050414900	0.168481842	-0.0882880202
## RP_align.W.PET	0.455240962	0.858348683	-0.0793468835
## LGRE_align.W.PET	0.365715711	0.378360420	0.2842326440
## HGRE_align.W.PET	0.076358189	0.303418891	-0.2047653343
## LGSRE_align.W.PET	0.396587766	0.414239045	0.2432341280
## HGSRE_align.W.PET	0.074740790	0.305123224	-0.2065392696
## LGHRE_align.W.PET	0.233386815	0.234727906	0.4845392567
## HGLRE_align.W.PET	0.082381337	0.293103652	-0.1919493637
## GLNU_norm_align.W.PET	0.500891018	0.344283417	0.2996716618
## RLNU_norm_align.W.PET	0.447044311	0.865869657	-0.1213329532
## GLVAR_align.W.PET	0.098531393	0.353236417	-0.2049585965
## RLVAR_align.W.PET	0.309660821	0.130876170	0.6947086598
## Entropy_align.W.PET	0.347043773	0.792743724	-0.0974400332
## SZSE.W.PET	0.447304703	0.903287188	-0.1241843540
## LZSE.W.PET	0.064563964	-0.047255886	0.7932306666
## LGLZE.W.PET	0.390863745	0.356804674	0.3010776081
## HGLZE.W.PET	0.077202039	0.317133119	-0.2059423228
## SZLGE.W.PET	0.481136081	0.461118581	0.2264302181
## SZHGE.W.PET	0.073251820	0.329012854	-0.2100113542
## LZLGE.W.PET	-0.008488378	0.003619563	0.7680892748
## LZHGE.W.PET	0.105947188	0.086314470	0.0131996798
## GLNU_area.W.PET	-0.080383599	0.196442642	-0.0107128036
## ZSNU.W.PET	-0.045901346	0.187258847	-0.1202294364
## ZSP.W.PET	0.401067344	0.884459370	-0.2283539491
## GLNU_norm.W.PET	0.518924186	0.326673827	0.3125858099
## ZSNU_norm.W.PET	0.406492479	0.881705490	-0.1957934154
## GLVAR_area.W.PET	0.103756953	0.358309237	-0.2031315925
## ZSVAR.W.PET	0.032025808	-0.079041498	0.8288704626
## Entropy_area.W.PET	0.364493588	0.783231389	-0.0428812671
## Min_hist.ADC	0.205477661	0.244595326	-0.0376162493
## Max_hist.ADC	0.352237736	0.763080369	0.0273306931
## Mean_hist.ADC	0.351966144	0.767867736	-0.0006083989
## Variance_hist.ADC	0.258087861	0.401869211	0.1204512342
## Standard_Deviation_hist.ADC	0.344530337	0.635685768	0.0817019624
## Skewness_hist.ADC	0.144789106	0.084531265	-0.0835777875
## Kurtosis_hist.ADC	0.109221612	0.228529886	-0.0330646771
## Energy_hist.ADC	0.986391687	0.315249046	0.0708822716
## Entropy_hist.ADC	0.383933960	0.809880937	0.0176790305
## AUC_hist.ADC	0.469120356	0.800639444	-0.0166479697
## Volume.ADC	-0.140313446	0.272763564	-0.0844833869
## X3D_surface.ADC	0.099622682	0.375433106	0.0091850428
## ratio_3ds_vol.ADC	0.463497489	0.502965168	-0.0053694137

## ratio_3ds_vol_norm.ADC	0.362120135	0.811285279	-0.0302660541
## irregularity.ADC	0.461182628	0.783563469	-0.0038726971
## Compactness_v1.ADC	0.933095885	0.520052561	0.0715915180
##	LZHGE.H.PET	GLNU_area.H.PET	ZSNU.H.PET
## Failure	0.0013548704	-1.786089e-01	-0.1707757161
## Entropy_cooc.W.ADC	0.0941835641	1.225620e-01	0.1248748489
## GLNU_align.H.PET	0.0867067565	2.506275e-01	0.2364149007
## Min_hist.PET	-0.2654361817	2.974579e-01	0.4901265052
## Max_hist.PET	-0.2571084647	4.613618e-01	0.6201653854
## Mean_hist.PET	-0.2647406995	3.436994e-01	0.5474438646
## Variance_hist.PET	-0.2075915543	2.762021e-01	0.5425406387
## Standard_Deviation_hist.PET	-0.2554565075	3.671558e-01	0.5534003423
## Skewness_hist.PET	0.0121969560	1.050031e-01	-0.0290131139
## Kurtosis_hist.PET	-0.0014943102	1.267019e-01	-0.0198522488
## Energy_hist.PET	-0.0238531229	-1.612096e-01	-0.1445263904
## Entropy_hist.PET	-0.0480691005	5.112305e-01	0.4356166522
## AUC_hist.PET	-0.0442387060	2.834003e-01	0.2066669279
## H_suv.PET	-0.2686552087	2.204254e-01	0.3929321182
## Volume.PET	-0.0896056442	7.152021e-01	0.6656747624
## X3D_surface.PET	-0.0157964022	8.439360e-01	0.8013970843
## ratio_3ds_vol.PET	0.0184756427	-2.848600e-01	-0.2800883830
## ratio_3ds_vol_norm.PET	0.0505511672	1.269391e-01	0.1074216446
## irregularity.PET	-0.0390397132	1.286402e-01	0.0724694243
## tumor_length.PET	0.0083073110	6.882166e-01	0.6392427242
## Compactness_v1.PET	-0.0738365002	5.619913e-02	0.0683259856
## Compactness_v2.PET	-0.1132249234	3.377527e-01	0.3648080392
## Spherical_disproportion.PET	0.0505511672	1.269391e-01	0.1074216446
## Sphericity.PET	-0.1100022287	3.797592e-01	0.3688920451
## Asphericity.PET	0.0530822553	1.200481e-01	0.1024293770
## Center_of_mass.PET	0.0821027991	5.933873e-01	0.6182407062
## Max_3D_diam.PET	-0.0654385542	8.248330e-01	0.7956927771
## Major_axis_length.PET	-0.0573276302	8.171111e-01	0.8405304448
## Minor_axis_length.PET	-0.0292104424	7.792133e-01	0.6771954140
## Least_axis_length.PET	-0.0534603404	8.441466e-01	0.7582836919
## Elongation.PET	-0.0343883512	8.815520e-02	-0.0358778698
## Flatness.PET	-0.0542315490	1.964403e-01	0.0725228310
## Max_cooc.L.PET	-0.0114893105	-9.979053e-02	-0.0996827792
## Average_cooc.L.PET	-0.0381472456	2.430252e-02	0.0500522881
## Variance_cooc.L.PET	-0.0057942278	-2.318683e-01	-0.1972337766
## Entropy_cooc.L.PET	-0.0504581220	2.846789e-01	0.2320048460
## DAVE_cooc.L.PET	-0.1010732327	-1.306281e-01	-0.1087221289
## DVAR_cooc.L.PET	-0.1337623850	-1.094975e-01	-0.1027128930
## DENT_cooc.L.PET	-0.0699744272	1.480774e-01	0.1134044877
## SAVE_cooc.L.PET	-0.0381352000	2.443672e-02	0.0501841801
## SVAR_cooc.L.PET	0.0642835815	-1.866427e-01	-0.1650317650
## SENT_cooc.L.PET	-0.0248937109	1.818136e-01	0.1278676214
## ASM_cooc.L.PET	-0.0226245253	-9.349117e-02	-0.0882379439
## Contrast_cooc.L.PET	-0.1163032486	-2.724713e-01	-0.2218155015
## Dissimilarity_cooc.L.PET	-0.1010732327	-1.306281e-01	-0.1087221289
## Inv_diff_cooc.L.PET	-0.0106615100	4.332063e-01	0.3214992348
## Inv_diff_norm_cooc.L.PET	-0.0403529576	3.226027e-01	0.2439104033
## IDM_cooc.L.PET	-0.0044179246	4.185896e-01	0.3044471444
## IDM_norm_cooc.L.PET	-0.0437615679	3.011484e-01	0.2275453253
## Inv_var_cooc.L.PET	0.0025189041	4.263181e-01	0.3134051886

## Correlation_cooc.L.PET	0.1470817211	4.285576e-01	0.3213804398
## Autocorrelation_cooc.L.PET	0.0032181709	-1.169582e-01	-0.0668505382
## Tendency_cooc.L.PET	0.0642835815	-1.866427e-01	-0.1650317650
## Shade_cooc.L.PET	0.1505183146	-1.462694e-01	-0.1462311122
## Prominence_cooc.L.PET	0.1100772982	-3.213350e-01	-0.2914591951
## IC1_.L.PET	-0.0779819596	2.478703e-01	0.2350864959
## IC2_.L.PET	0.0128556609	3.848060e-03	-0.0239308013
## Coarseness_vdif_.L.PET	-0.0027586201	-2.572633e-01	-0.2330580544
## Contrast_vdif_.L.PET	-0.0648039869	-2.413337e-01	-0.2031208618
## Busyness_vdif_.L.PET	-0.1004238189	9.455565e-01	0.8474519025
## Complexity_vdif_.L.PET	-0.1320080306	-1.528517e-01	-0.1258090396
## Strength_vdif_.L.PET	0.0379898560	-3.831456e-01	-0.3598053750
## SRE_align.L.PET	-0.0513526161	2.552659e-01	0.1917001418
## LRE_align.L.PET	-0.0456004591	3.257966e-01	0.2448962675
## GLNU_align.L.PET	-0.0804151456	9.569390e-01	0.8683536006
## RLNU_align.L.PET	-0.0800175489	9.740136e-01	0.9291150144
## RP_align.L.PET	-0.0516321803	2.500071e-01	0.1874128191
## LGRE_align.L.PET	-0.0567795268	6.149968e-02	-0.0402425700
## HGRE_align.L.PET	-0.0117047171	-1.043130e-01	-0.0521525987
## LGSRE_align.L.PET	-0.0592832870	5.540225e-02	-0.0434794888
## HGSRE_align.L.PET	-0.0128433518	-1.110462e-01	-0.0584953744
## LGHRE_align.L.PET	-0.0466870323	8.596027e-02	-0.0266651066
## HGLRE_align.L.PET	-0.0071918698	-7.623439e-02	-0.0259081646
## GLNU_norm_align.L.PET	-0.0336350901	4.062581e-02	-0.0168331696
## RLNU_norm_align.L.PET	-0.0524016352	2.317381e-01	0.1726976074
## GLVAR_align.L.PET	-0.0049867763	-1.897407e-01	-0.1545264827
## RLVAR_align.L.PET	-0.0159122010	2.851492e-01	0.2106044104
## Entropy_align.L.PET	-0.0445767279	2.893897e-01	0.2375546171
## SZSE.L.PET	-0.0503310494	2.347356e-01	0.1816582626
## LZSE.L.PET	-0.0380328633	2.999810e-01	0.2071521130
## LGLZE.L.PET	-0.0653502836	6.200647e-02	-0.0406062823
## HGLZE.L.PET	-0.0129282624	-1.044404e-01	-0.0533259809
## SZLGE.L.PET	-0.0718262099	4.301209e-02	-0.0485326936
## SZHGE.L.PET	-0.0149003460	-1.134965e-01	-0.0606899767
## LZLGE.L.PET	-0.0196015928	1.340422e-01	0.0033107645
## LZHGE.L.PET	-0.0086420335	-3.851117e-02	-0.0031025437
## GLNU_area.L.PET	-0.0812124302	9.678574e-01	0.8837550170
## ZSNU.L.PET	-0.0799407665	9.749172e-01	0.9330429378
## ZSP.L.PET	-0.0480160722	2.178163e-01	0.1670867019
## GLNU_norm.L.PET	-0.0351041520	4.241845e-02	-0.0145055312
## ZSNU_norm.L.PET	-0.0474523723	1.883853e-01	0.1416312933
## GLVAR_area.L.PET	-0.0041126952	-1.886135e-01	-0.1532524341
## ZSVAR.L.PET	-0.0479857119	3.529939e-01	0.2489718710
## Entropy_area.L.PET	-0.0477613918	3.147436e-01	0.2563182723
## Max_cooc.H.PET	0.4789502963	-2.324556e-01	-0.3137054091
## Average_cooc.H.PET	0.0390436371	1.784154e-01	0.0849139189
## Variance_cooc.H.PET	-0.2371045600	4.067593e-01	0.4068052611
## Entropy_cooc.H.PET	-0.1884063212	2.858950e-01	0.2942548306
## DAVE_cooc.H.PET	-0.2547204056	2.307710e-01	0.2248845173
## DVAR_cooc.H.PET	-0.2015068199	2.075640e-01	0.2090096769
## DENT_cooc.H.PET	-0.0837121885	3.856841e-01	0.3830251753
## SAVE_cooc.H.PET	0.0030605245	2.225658e-01	0.1333685251
## SVAR_cooc.H.PET	-0.0853756515	4.399684e-01	0.4126949272
## SENT_cooc.H.PET	-0.1758780651	1.218644e-01	0.1714966012

## ASM_cooc.H.PET	0.4841783102	-2.130419e-01	-0.2766139035
## Contrast_cooc.H.PET	-0.2535415204	1.755448e-01	0.1990075550
## Dissimilarity_cooc.H.PET	-0.2547204056	2.307710e-01	0.2248845173
## Inv_diff_cooc.H.PET	0.3535447751	3.077198e-02	-0.1185212049
## Inv_diff_norm_cooc.H.PET	-0.0076745421	2.673272e-01	0.1909889273
## IDM_cooc.H.PET	0.3985735686	-2.626873e-02	-0.1848446696
## IDM_norm_cooc.H.PET	-0.0322952022	2.729157e-01	0.2003692262
## Inv_var_cooc.H.PET	-0.1221620224	1.050950e-01	0.1633985232
## Correlation_cooc.H.PET	0.0890092768	4.540217e-01	0.3657280258
## Autocorrelation_cooc.H.PET	0.1224680641	1.125739e-01	0.0040515566
## Tendency_cooc.H.PET	-0.2070355807	4.953258e-01	0.4827168073
## Shade_cooc.H.PET	0.2227300938	-2.425506e-01	-0.2093616065
## Prominence_cooc.H.PET	-0.2458238829	5.408327e-01	0.5818098839
## IC1_d.H.PET	-0.4133952523	-2.643235e-01	-0.1465076167
## IC2_d.H.PET	0.0440850358	4.283928e-01	0.3577791920
## Coarseness_vdif.H.PET	-0.0083618079	-1.317924e-01	-0.1141613532
## Contrast_vdif.H.PET	0.1014088072	-1.750419e-01	-0.2364301468
## Busyness_vdif.H.PET	-0.0734454102	5.690204e-01	0.3715623639
## Complexity_vdif.H.PET	-0.1244772835	-1.214041e-01	-0.1173437845
## Strength_vdif.H.PET	0.3066436519	-1.497640e-01	-0.1301790728
## SRE_align.H.PET	-0.1828987353	2.880546e-01	0.2624368075
## LRE_align.H.PET	0.5525434350	7.956521e-02	-0.0700287325
## RLNU_align.H.PET	-0.1220539853	9.463379e-01	0.9754552745
## RP_align.H.PET	-0.2009232278	2.811257e-01	0.2695128934
## LGRE_align.H.PET	-0.0408839749	-6.906710e-02	-0.0406318694
## HGRE_align.H.PET	0.1224631428	1.388875e-01	0.0337147825
## LGSRE_align.H.PET	-0.0409963051	-7.174932e-02	-0.0428410558
## HGSRE_align.H.PET	-0.0590666281	1.823377e-01	0.1099040295
## LGHRE_align.H.PET	-0.0310646101	-5.516063e-02	-0.0319842510
## HGLRE_align.H.PET	0.6690607611	-2.941262e-02	-0.1597144213
## GLNU_norm_align.H.PET	0.3348880157	-1.709756e-01	-0.3055411744
## RLNU_norm_align.H.PET	-0.2521432815	2.766460e-01	0.2981498248
## GLVAR_align.H.PET	-0.2402713002	4.255867e-01	0.4295032910
## RLVAR_align.H.PET	0.7013527151	-3.048863e-02	-0.1904717569
## Entropy_align.H.PET	-0.1216974974	4.394967e-01	0.4487186865
## SZSE.H.PET	-0.1883448092	3.211421e-01	0.3485228479
## LZSE.H.PET	0.9595227456	-1.011252e-01	-0.1123324822
## LGLZE.H.PET	-0.0419961450	-6.871055e-02	-0.0391238886
## HGLZE.H.PET	0.1608984140	2.009664e-01	0.0985584497
## SZLGE.H.PET	-0.0399387112	-7.498772e-02	-0.0456488162
## SZHGE.H.PET	-0.0319654693	2.152887e-01	0.1878741286
## LZLGE.H.PET	0.9123508349	-1.111452e-01	-0.1360841047
## LZHGE.H.PET	1.0000000000	-1.205745e-01	-0.1318884661
## GLNU_area.H.PET	-0.1205745451	1.000000e+00	0.8705566188
## ZSNU.H.PET	-0.1318884661	8.705566e-01	1.0000000000
## ZSP.H.PET	-0.3253104489	2.862181e-01	0.3903304414
## GLNU_norm.H.PET	0.3060855652	-1.635172e-01	-0.2977957934
## ZSNU_norm.H.PET	-0.2351309227	2.857022e-01	0.3781159861
## GLVAR_area.H.PET	-0.2580852065	4.176648e-01	0.4180906771
## ZSVAR.H.PET	0.9758003165	-1.121703e-01	-0.1253530959
## Entropy_area.H.PET	-0.1161996866	4.238661e-01	0.3715080647
## Max_cooc.W.PET	0.3877312510	-2.250822e-01	-0.2678529675
## Average_cooc.W.PET	-0.2450458178	3.728346e-01	0.5740933996
## Variance_cooc.W.PET	-0.2072882026	2.481639e-01	0.5057203324

## Entropy_cooc.W.PET	-0.2310450660	4.066028e-01	0.4484177496
## DAVE_cooc.W.PET	-0.2751595320	2.475320e-01	0.4312008354
## DVAR_cooc.W.PET	-0.2208873681	1.722587e-01	0.4313937578
## DENT_cooc.W.PET	-0.2513523937	3.355763e-01	0.3930213181
## SAVE_cooc.W.PET	-0.2450530550	3.731232e-01	0.5744044648
## SVAR_cooc.W.PET	-0.1926825124	2.762088e-01	0.5249179358
## SENT_cooc.W.PET	-0.1878672017	3.513369e-01	0.3676579442
## ASM_cooc.W.PET	0.3083966203	-1.890373e-01	-0.2161251528
## Contrast_cooc.W.PET	-0.2269891760	1.526963e-01	0.4104018826
## Dissimilarity_cooc.W.PET	-0.2751595320	2.475320e-01	0.4312008354
## Inv_diff_cooc.W.PET	0.2532785902	6.595653e-02	-0.1071748216
## Inv_diff_norm_cooc.W.PET	-0.0347370003	3.185235e-01	0.2391907643
## IDM_cooc.W.PET	0.3344259843	-4.877140e-03	-0.1821410615
## IDM_norm_cooc.W.PET	-0.0427795875	2.997831e-01	0.2260198919
## Inv_var_cooc.W.PET	0.2369333730	4.331941e-02	-0.1455414283
## Correlation_cooc.W.PET	0.1334546279	4.345332e-01	0.3288076284
## Autocorrelation_cooc.W.PET	-0.2022429266	3.076771e-01	0.5937418067
## Tendency_cooc.W.PET	-0.1926825124	2.762088e-01	0.5249179358
## Shade_cooc.W.PET	-0.0864988082	1.219511e-01	0.2675882481
## Prominence_cooc.W.PET	-0.0799228359	1.036703e-01	0.2791509452
## IC1_d.W.PET	-0.3664432334	-1.941374e-01	-0.1162387122
## IC2_d.W.PET	0.0355119099	3.246905e-01	0.2813861337
## Coarseness_vdif.W.PET	0.0021864902	-2.759347e-01	-0.2481223945
## Contrast_vdif.W.PET	-0.2351738183	-7.096068e-02	0.1000545713
## Busyness_vdif.W.PET	0.4137578893	2.716831e-01	0.0342039622
## Complexity_vdif.W.PET	-0.1539318983	2.932690e-01	0.5405350971
## Strength_vdif.W.PET	-0.1295842604	-1.503385e-01	-0.0904447312
## SRE_align.W.PET	-0.1133882985	2.818667e-01	0.2346076249
## LRE_align.W.PET	0.3110125891	1.714153e-01	0.0391936246
## GLNU_align.W.PET	0.0404835904	9.247990e-01	0.6789146987
## RLNU_align.W.PET	-0.1060601457	9.634925e-01	0.9564991664
## RP_align.W.PET	-0.1347732911	2.824069e-01	0.2423111196
## LGRE_align.W.PET	0.2920211590	-1.881372e-01	-0.3259452504
## HGRE_align.W.PET	-0.2041511774	3.146887e-01	0.5998706919
## LGSRE_align.W.PET	0.2390591724	-1.809695e-01	-0.3214359985
## HGSRE_align.W.PET	-0.2049732498	3.080184e-01	0.5953778138
## LGHRE_align.W.PET	0.5421026320	-2.026137e-01	-0.3179906033
## HGLRE_align.W.PET	-0.1962404721	3.417367e-01	0.6163672520
## GLNU_norm_align.W.PET	0.3203596604	-1.867221e-01	-0.3007166575
## RLNU_norm_align.W.PET	-0.1760969178	2.869658e-01	0.2670850619
## GLVAR_align.W.PET	-0.2074780119	2.780407e-01	0.5435179879
## RLVAR_align.W.PET	0.6774142282	-5.039010e-02	-0.1993834449
## Entropy_align.W.PET	-0.1540733608	4.312681e-01	0.4437221172
## SZSE.W.PET	-0.1640863179	3.016614e-01	0.2918247398
## LZSE.W.PET	0.8612932779	-1.411530e-01	-0.2048257771
## LGLZE.W.PET	0.3003526097	-1.788040e-01	-0.3240808385
## HGLZE.W.PET	-0.2061397431	3.136707e-01	0.5959630663
## SZLGE.W.PET	0.2140612106	-1.472107e-01	-0.2864015180
## SZHGE.W.PET	-0.2057634250	2.964662e-01	0.5832681926
## LZLGE.W.PET	0.9101621380	-1.589380e-01	-0.1770363769
## LZHGE.W.PET	-0.0221751999	2.974019e-01	0.4797259769
## GLNU_area.W.PET	-0.0416284211	9.760722e-01	0.7715640797
## ZSNU.W.PET	-0.1241448867	9.312750e-01	0.9880959558
## ZSP.W.PET	-0.2689000550	3.206768e-01	0.3471597362

## GLNU_norm.W.PET	0.3041825338	-1.831198e-01	-0.2989973953
## ZSNU_norm.W.PET	-0.2370767067	3.032731e-01	0.3459872294
## GLVAR_area.W.PET	-0.2069593238	2.760521e-01	0.5364188726
## ZSVAR.W.PET	0.9124088747	-1.553443e-01	-0.2007891786
## Entropy_area.W.PET	-0.1043049315	4.209492e-01	0.3949333606
## Min_hist.ADC	-0.0258586487	-1.300427e-01	-0.0363746189
## Max_hist.ADC	-0.0366866792	3.371428e-01	0.2520573572
## Mean_hist.ADC	-0.0448878522	1.861144e-01	0.1259219750
## Variance_hist.ADC	0.0724574308	2.791266e-01	0.2237263813
## Standard_Deviation_hist.ADC	0.0230620232	3.136342e-01	0.2379250830
## Skewness_hist.ADC	-0.0601891977	1.607790e-01	0.1669848457
## Kurtosis_hist.ADC	-0.0501027325	1.175332e-01	0.1073815348
## Energy_hist.ADC	-0.0149293948	-1.123628e-01	-0.1012081092
## Entropy_hist.ADC	-0.0504611553	3.456142e-01	0.2731081346
## AUC_hist.ADC	-0.0673671605	3.172319e-01	0.2424317320
## Volume.ADC	-0.0959114815	6.983441e-01	0.6496817437
## X3D_surface.ADC	-0.0457875075	5.173391e-01	0.4231957442
## ratio_3ds_vol.ADC	-0.0155115237	-4.972540e-02	-0.0738258584
## ratio_3ds_vol_norm.ADC	-0.0820754207	4.109542e-01	0.2868844737
## irregularity.ADC	-0.0413732767	1.920434e-01	0.1409808965
## Compactness_v1.ADC	-0.0165318367	-4.381107e-02	-0.0349421821
##	ZSP.H.PET	GLNU_norm.H.PET	ZSNU_norm.H.PET
## Failure	-4.793235e-02	0.129471104	-0.063814275
## Entropy_cooc.W.ADC	-2.916303e-02	-0.029721296	-0.010283120
## GLNU_align.H.PET	-1.043346e-01	-0.057317599	-0.069710052
## Min_hist.PET	8.616323e-01	-0.273569999	0.853524933
## Max_hist.PET	8.467155e-01	-0.303507341	0.851126579
## Mean_hist.PET	8.744742e-01	-0.314580939	0.865988015
## Variance_hist.PET	6.888121e-01	-0.440115006	0.672657073
## Standard_Deviation_hist.PET	8.835814e-01	-0.322152407	0.881058907
## Skewness_hist.PET	2.956675e-01	0.410441065	0.351840450
## Kurtosis_hist.PET	2.538766e-02	0.169188112	0.063551568
## Energy_hist.PET	2.481585e-01	0.496407236	0.289048569
## Entropy_hist.PET	6.315650e-01	0.313970612	0.682100586
## AUC_hist.PET	6.602385e-01	0.540267949	0.715162496
## H_suv.PET	9.127346e-01	-0.245555998	0.906934089
## Volume.PET	3.062131e-01	-0.108682967	0.304842103
## X3D_surface.PET	2.169612e-01	-0.086140274	0.229028820
## ratio_3ds_vol.PET	3.074491e-01	0.596196806	0.356757877
## ratio_3ds_vol_norm.PET	3.241680e-01	0.409612544	0.393241696
## irregularity.PET	6.252085e-01	0.606362666	0.673177285
## tumor_length.PET	4.415229e-01	0.134867539	0.491538845
## Compactness_v1.PET	3.909838e-01	0.413009112	0.421646833
## Compactness_v2.PET	3.013537e-01	-0.117677430	0.263784761
## Spherical_disproportion.PET	3.241680e-01	0.409612544	0.393241696
## Sphericity.PET	2.920214e-01	-0.133513927	0.255613839
## Asphericity.PET	3.080521e-01	0.400277708	0.376700220
## Center_of_mass.PET	3.099963e-01	0.018287931	0.349909679
## Max_3D_diam.PET	4.382535e-01	-0.099636632	0.446262722
## Major_axis_length.PET	4.834009e-01	-0.060476688	0.498964648
## Minor_axis_length.PET	4.971389e-01	0.088114392	0.543407151
## Least_axis_length.PET	4.472126e-01	-0.010917604	0.483278026
## Elongation.PET	5.059267e-01	0.531830471	0.568856738
## Flatness.PET	4.661736e-01	0.432664570	0.530739986

## Max_cooc.L.PET	2.600326e-01	0.485570828	0.309334862
## Average_cooc.L.PET	5.628055e-01	0.477709679	0.574939829
## Variance_cooc.L.PET	4.356792e-01	0.535645873	0.438099273
## Entropy_cooc.L.PET	6.895254e-01	0.464170856	0.733953709
## DAVE_cooc.L.PET	5.922764e-01	0.486122093	0.591501514
## DVAR_cooc.L.PET	5.960346e-01	0.402558640	0.590922366
## DENT_cooc.L.PET	6.920991e-01	0.525752490	0.728013897
## SAVE_cooc.L.PET	5.627348e-01	0.477363979	0.574819893
## SVAR_cooc.L.PET	3.674158e-01	0.581894569	0.384077919
## SENT_cooc.L.PET	6.362361e-01	0.565875283	0.690541282
## ASM_cooc.L.PET	2.533411e-01	0.452188713	0.298951227
## Contrast_cooc.L.PET	4.854074e-01	0.390001043	0.464869549
## Dissimilarity_cooc.L.PET	5.922764e-01	0.486122093	0.591501514
## Inv_diff_cooc.L.PET	5.169781e-01	0.424444039	0.597330265
## Inv_diff_norm_cooc.L.PET	6.582177e-01	0.511061847	0.717285765
## IDM_cooc.L.PET	4.430921e-01	0.394275995	0.526602847
## IDM_norm_cooc.L.PET	6.648650e-01	0.519020335	0.721171710
## Inv_var_cooc.L.PET	4.554840e-01	0.396625788	0.534499544
## Correlation_cooc.L.PET	2.282824e-01	0.417184985	0.308900286
## Autocorrelation_cooc.L.PET	3.730483e-01	0.449627017	0.369618024
## Tendency_cooc.L.PET	3.674158e-01	0.581894569	0.384077919
## Shade_cooc.L.PET	1.743222e-01	0.341890647	0.216566115
## Prominence_cooc.L.PET	2.013247e-01	0.560832070	0.220045956
## IC1_.L.PET	-1.054560e-01	-0.458422565	-0.109594494
## IC2_.L.PET	5.380869e-01	0.644783923	0.586080276
## Coarseness_vdif_.L.PET	2.271056e-01	0.595082834	0.263270088
## Contrast_vdif_.L.PET	1.743571e-01	0.289481561	0.162382019
## Busyness_vdif_.L.PET	3.079465e-01	-0.114555690	0.314953397
## Complexity_vdif_.L.PET	5.919913e-01	0.459814626	0.602022722
## Strength_vdif_.L.PET	9.877425e-02	0.515922480	0.127341253
## SRE_align.L.PET	6.779181e-01	0.533091920	0.728230711
## LRE_align.L.PET	6.533965e-01	0.501376754	0.715514802
## GLNU_align.L.PET	2.517604e-01	-0.145303222	0.264345511
## RLNU_align.L.PET	2.681380e-01	-0.204547543	0.275970035
## RP_align.L.PET	6.777339e-01	0.534795817	0.728015880
## LGRE_align.L.PET	3.862060e-01	0.476767017	0.457209275
## HGRE_align.L.PET	4.157328e-01	0.435816774	0.412670216
## LGSRE_align.L.PET	3.918130e-01	0.481317832	0.462023373
## HGSRE_align.L.PET	4.169409e-01	0.437925945	0.412675648
## LGHRE_align.L.PET	3.615398e-01	0.456204608	0.435690005
## HGLRE_align.L.PET	4.094823e-01	0.424964990	0.411778833
## GLNU_norm_align.L.PET	3.984010e-01	0.557575915	0.460572640
## RLNU_norm_align.L.PET	6.779645e-01	0.539839770	0.727588249
## GLVAR_align.L.PET	4.530119e-01	0.521913540	0.457036959
## RLVAR_align.L.PET	3.662578e-01	0.394643249	0.440964897
## Entropy_align.L.PET	6.820053e-01	0.476575269	0.727993247
## SZSE.L.PET	6.923622e-01	0.529557168	0.726063957
## LZSE.L.PET	3.608119e-01	0.306548547	0.460114098
## LGLZE.L.PET	3.916780e-01	0.485556164	0.462021841
## HGLZE.L.PET	4.293278e-01	0.435454985	0.426489303
## SZLGE.L.PET	4.117792e-01	0.499199358	0.474674246
## SZHGE.L.PET	4.516564e-01	0.435368384	0.437914844
## LZLGE.L.PET	2.547370e-01	0.365513138	0.343515137
## LZHGE.L.PET	2.546759e-01	0.331351596	0.299104276

## GLNU_area.L.PET	2.631002e-01	-0.148974385	0.270983746
## ZSNU.L.PET	2.831612e-01	-0.207472165	0.284482155
## ZSP.L.PET	6.930479e-01	0.539311604	0.729561191
## GLNU_norm.L.PET	3.986256e-01	0.557050482	0.460801882
## ZSNU_norm.L.PET	6.904355e-01	0.542867726	0.734761836
## GLVAR_area.L.PET	4.679999e-01	0.519288485	0.472969235
## ZSVAR.L.PET	1.888989e-01	0.150614721	0.283008111
## Entropy_area.L.PET	6.777629e-01	0.466818936	0.726241518
## Max_cooc.H.PET	-3.043200e-01	0.871203787	-0.222815867
## Average_cooc.H.PET	5.298332e-01	0.681255730	0.587938311
## Variance_cooc.H.PET	8.391958e-01	0.097597223	0.857371175
## Entropy_cooc.H.PET	7.938160e-01	0.191594795	0.826749831
## DAVE_cooc.H.PET	8.547922e-01	0.207412439	0.861192183
## DVAR_cooc.H.PET	7.824059e-01	0.271665015	0.790643342
## DENT_cooc.H.PET	6.869399e-01	0.141151144	0.716406103
## SAVE_cooc.H.PET	5.972777e-01	0.581470389	0.646953444
## SVAR_cooc.H.PET	7.059569e-01	0.175370894	0.748803777
## SENT_cooc.H.PET	7.246610e-01	0.109843017	0.765762769
## ASM_cooc.H.PET	-2.706621e-01	0.823625342	-0.198321378
## Contrast_cooc.H.PET	8.440955e-01	0.124257582	0.837512948
## Dissimilarity_cooc.H.PET	8.547922e-01	0.207412439	0.861192183
## Inv_diff_cooc.H.PET	-3.113452e-02	0.923343827	0.061541270
## Inv_diff_norm_cooc.H.PET	6.214359e-01	0.577296221	0.681466557
## IDM_cooc.H.PET	-1.595276e-01	0.940373717	-0.066960935
## IDM_norm_cooc.H.PET	6.492561e-01	0.549637244	0.705733804
## Inv_var_cooc.H.PET	5.564886e-01	0.247259271	0.599723312
## Correlation_cooc.H.PET	2.935456e-01	0.341808272	0.373510645
## Autocorrelation_cooc.H.PET	3.822852e-01	0.787201049	0.446400406
## Tendency_cooc.H.PET	7.615245e-01	0.074407355	0.791442758
## Shade_cooc.H.PET	-4.444517e-01	0.107035614	-0.435565332
## Prominence_cooc.H.PET	7.260034e-01	-0.203529504	0.738034865
## IC1_d.H.PET	2.643047e-01	-0.187346481	0.194797064
## IC2_d.H.PET	4.478472e-01	0.355227055	0.526230611
## Coarseness_vdif.H.PET	2.612407e-01	0.452193337	0.304805240
## Contrast_vdif.H.PET	-2.071405e-01	0.744808589	-0.201467750
## Busyness_vdif.H.PET	1.110044e-01	-0.114210424	0.092766494
## Complexity_vdif.H.PET	5.373733e-01	0.377599385	0.567751290
## Strength_vdif.H.PET	-9.837529e-02	0.238934069	-0.076023440
## SRE_align.H.PET	8.122921e-01	0.350561626	0.845181172
## LRE_align.H.PET	-4.046284e-02	0.836206201	0.066688364
## RLNU_align.H.PET	3.341333e-01	-0.250517550	0.333866466
## RP_align.H.PET	8.367212e-01	0.315941637	0.865108239
## LGRE_align.H.PET	3.095788e-01	0.404316730	0.352127205
## HGRE_align.H.PET	4.051960e-01	0.765908685	0.469553571
## LGSRE_align.H.PET	3.082094e-01	0.403949610	0.350494003
## HGSRE_align.H.PET	6.122537e-01	0.600030924	0.657020088
## LGHRE_align.H.PET	3.088237e-01	0.412961273	0.354478817
## HGLRE_align.H.PET	-2.374209e-01	0.824190328	-0.134758996
## GLNU_norm_align.H.PET	-1.674192e-01	0.970161697	-0.098564046
## RLNU_norm_align.H.PET	9.006239e-01	0.186582568	0.918582845
## GLVAR_align.H.PET	8.305496e-01	0.043413593	0.845993844
## RLVAR_align.H.PET	-3.874607e-01	0.738693632	-0.276292825
## Entropy_align.H.PET	8.282463e-01	0.152966825	0.868421319
## SZSE.H.PET	9.369430e-01	0.099410434	0.958377212

## LZSE.H.PET	-2.785727e-01	0.211033960	-0.196435180
## LGLZE.H.PET	3.123100e-01	0.400602649	0.354955704
## HGLZE.H.PET	4.350547e-01	0.616468481	0.502861056
## SZLGE.H.PET	3.076556e-01	0.402192618	0.349675070
## SZHGE.H.PET	7.871199e-01	0.264201924	0.821495094
## LZLGE.H.PET	-3.069235e-01	0.311925649	-0.207072134
## LZHGE.H.PET	-3.253104e-01	0.306085565	-0.235130923
## GLNU_area.H.PET	2.862181e-01	-0.163517226	0.285702213
## ZSNU.H.PET	3.903304e-01	-0.297795793	0.378115986
## ZSP.H.PET	1.000000e+00	-0.173318640	0.979904302
## GLNU_norm.H.PET	-1.733186e-01	1.000000000	-0.103638201
## ZSNU_norm.H.PET	9.799043e-01	-0.103638201	1.000000000
## GLVAR_area.H.PET	8.268862e-01	0.013135701	0.834686023
## ZSVAR_H.PET	-3.124104e-01	0.263386163	-0.223405532
## Entropy_area.H.PET	7.210656e-01	0.307133112	0.761959544
## Max_cooc.W.PET	-1.518605e-01	0.790676905	-0.075692285
## Average_cooc.W.PET	8.548092e-01	-0.326437474	0.847618669
## Variance_cooc.W.PET	6.936403e-01	-0.428577718	0.677804026
## Entropy_cooc.W.PET	9.091070e-01	0.039126032	0.929152976
## DAVE_cooc.W.PET	9.386422e-01	-0.300653813	0.925119976
## DVAR_cooc.W.PET	7.683241e-01	-0.430769477	0.748691344
## DENT_cooc.W.PET	9.428193e-01	0.025410060	0.958365215
## SAVE_cooc.W.PET	8.544901e-01	-0.327414915	0.847207608
## SVAR_cooc.W.PET	6.316247e-01	-0.411562046	0.619359278
## SENT_cooc.W.PET	8.646610e-01	0.157509656	0.901777309
## ASM_cooc.W.PET	-4.485968e-02	0.724146579	0.021933387
## Contrast_cooc.W.PET	7.937574e-01	-0.435410150	0.769930198
## Dissimilarity_cooc.W.PET	9.386422e-01	-0.300653813	0.925119976
## Inv_diff_cooc.W.PET	5.713206e-02	0.915117821	0.140198163
## Inv_diff_norm_cooc.W.PET	6.527659e-01	0.518746526	0.712428627
## IDM_cooc.W.PET	-1.159598e-01	0.946676825	-0.030215940
## IDM_norm_cooc.W.PET	6.637917e-01	0.520649623	0.720219772
## Inv_var_cooc.W.PET	-2.952042e-02	0.929764768	0.049934213
## Correlation_cooc.W.PET	2.414903e-01	0.399436451	0.320947792
## Autocorrelation_cooc.W.PET	6.669902e-01	-0.452265563	0.648161183
## Tendency_cooc.W.PET	6.316247e-01	-0.411562046	0.619359278
## Shade_cooc.W.PET	2.558068e-01	-0.222826167	0.252091024
## Prominence_cooc.W.PET	2.247922e-01	-0.242919905	0.217137414
## IC1_d.W.PET	1.197252e-01	-0.092392547	0.059595309
## IC2_d.W.PET	5.746443e-01	0.372141336	0.648346100
## Coarseness_vdif.W.PET	1.803873e-01	0.610019008	0.210022739
## Contrast_vdif.W.PET	8.484361e-01	-0.160442994	0.827946444
## Busyness_vdif.W.PET	-3.450848e-01	0.608750106	-0.291226634
## Complexity_vdif.W.PET	5.066257e-01	-0.370459220	0.498604313
## Strength_vdif.W.PET	4.894789e-01	-0.089190342	0.507938438
## SRE_align.W.PET	7.469061e-01	0.444524040	0.790069595
## LRE_align.W.PET	2.680174e-01	0.784725331	0.361566336
## GLNU_align.W.PET	8.195588e-02	0.003438718	0.112295997
## RLNU_align.W.PET	3.036462e-01	-0.228621094	0.306985577
## RP_align.W.PET	7.660556e-01	0.420084100	0.806257874
## LGRE_align.W.PET	-1.287900e-01	0.915867087	-0.054189495
## HGRE_align.W.PET	6.738278e-01	-0.456551507	0.655120507
## LGSRE_align.W.PET	-7.922065e-02	0.912033680	-0.007742346
## HGSRE_align.W.PET	6.752751e-01	-0.459194569	0.655625510

## LGHRE_align.W.PET	-2.926387e-01	0.857901664	-0.205614281
## HGLRE_align.W.PET	6.629742e-01	-0.443581292	0.649609839
## GLNU_norm_align.W.PET	-1.222418e-01	0.946193556	-0.052559827
## RLNU_norm_align.W.PET	8.201338e-01	0.337995514	0.854101839
## GLVAR_align.W.PET	6.874991e-01	-0.440728387	0.671474145
## RLVAR_align.W.PET	-3.221167e-01	0.805621889	-0.211178575
## Entropy_align.W.PET	8.467428e-01	0.144184349	0.881570820
## SZSE.W.PET	8.491024e-01	0.307313971	0.871448520
## LZSE.W.PET	-4.139608e-01	0.621475671	-0.297131713
## LGLZE.W.PET	-1.261403e-01	0.945087325	-0.048968982
## HGLZE.W.PET	6.802275e-01	-0.457190427	0.661436371
## SZLGE.W.PET	2.582950e-02	0.905302090	0.095767736
## SZHGE.W.PET	6.852006e-01	-0.460300821	0.662213963
## LZLGE.W.PET	-3.547592e-01	0.431738682	-0.267149360
## LZHGE.W.PET	3.820085e-01	-0.215640625	0.439911669
## GLNU_area.W.PET	1.829212e-01	-0.069746576	0.196056773
## ZSNU.W.PET	3.543079e-01	-0.263411290	0.347063989
## ZSP.W.PET	9.391667e-01	0.116215618	0.944319632
## GLNU_norm.W.PET	-1.211227e-01	0.975259089	-0.049503437
## ZSNU_norm.W.PET	9.385680e-01	0.111356238	0.959910596
## GLVAR_area.W.PET	6.883540e-01	-0.438145515	0.673304107
## ZSVAR.W.PET	-4.272145e-01	0.542932716	-0.317094875
## Entropy_area.W.PET	7.679012e-01	0.261273851	0.811764247
## Min_hist.ADC	1.635144e-01	0.365840953	0.164516643
## Max_hist.ADC	5.872421e-01	0.432967239	0.638614918
## Mean_hist.ADC	5.589160e-01	0.510324460	0.602345741
## Variance_hist.ADC	2.546795e-01	0.274077731	0.284834400
## Standard_Deviation_hist.ADC	4.612105e-01	0.392068839	0.503896957
## Skewness_hist.ADC	1.374986e-01	0.116967316	0.138556824
## Kurtosis_hist.ADC	2.056543e-01	0.068445847	0.233031175
## Energy_hist.ADC	2.517723e-01	0.476135963	0.294575135
## Entropy_hist.ADC	6.740457e-01	0.417442187	0.729263395
## AUC_hist.ADC	6.726388e-01	0.490403002	0.721712696
## Volume.ADC	3.001900e-01	-0.097476213	0.294565887
## X3D_surface.ADC	3.493852e-01	0.025629587	0.381891914
## ratio_3ds_vol.ADC	3.504827e-01	0.557438762	0.374727471
## ratio_3ds_vol_norm.ADC	6.542426e-01	0.438006895	0.700153841
## irregularity.ADC	6.367352e-01	0.546970010	0.678842941
## Compactness_v1.ADC	4.223448e-01	0.557835693	0.476563621
##	GLVAR_area.H.PET	ZSVAR_H.PET	Entropy_area.H.PET
## Failure	-0.035297218	-3.750326e-02	-0.04950768
## Entropy_cooc.W.ADC	0.070399735	1.409205e-01	0.08138305
## GLNU_align.H.PET	-0.009564769	1.119698e-01	0.03016202
## Min_hist.PET	0.715200663	-2.525616e-01	0.62753520
## Max_hist.PET	0.767348381	-2.411915e-01	0.69689090
## Mean_hist.PET	0.768189080	-2.519902e-01	0.65751307
## Variance_hist.PET	0.533633517	-1.967915e-01	0.42598251
## Standard_Deviation_hist.PET	0.774462791	-2.406688e-01	0.68052615
## Skewness_hist.PET	0.174918734	1.418002e-02	0.45011421
## Kurtosis_hist.PET	-0.035353943	-3.258403e-05	0.12526672
## Energy_hist.PET	0.236714151	-4.274467e-02	0.31123451
## Entropy_hist.PET	0.801115153	-4.208320e-02	0.91796883
## AUC_hist.PET	0.786718317	-4.466223e-02	0.94252804
## H_suv.PET	0.778878818	-2.574787e-01	0.64771878

## Volume.PET	0.445183211	-7.442627e-02	0.47651597
## X3D_surface.PET	0.319196682	-7.621283e-03	0.34739676
## ratio_3ds_vol.PET	0.241412351	4.676821e-03	0.37777139
## ratio_3ds_vol_norm.PET	0.404075913	5.362397e-02	0.54698837
## irregularity.PET	0.699389185	-5.020433e-02	0.86250529
## tumor_length.PET	0.618681242	1.181912e-02	0.71180532
## Compactness_v1.PET	0.415066081	-9.317259e-02	0.48960255
## Compactness_v2.PET	0.304348202	-1.140188e-01	0.31641994
## Spherical_disproportion.PET	0.404075913	5.362397e-02	0.54698837
## Sphericity.PET	0.306176276	-1.085899e-01	0.31729175
## Asphericity.PET	0.385149270	5.637225e-02	0.52592409
## Center_of_mass.PET	0.354537544	9.691817e-02	0.46922363
## Max_3D_diam.PET	0.576590285	-5.930668e-02	0.62899420
## Major_axis_length.PET	0.615971141	-5.483015e-02	0.66547596
## Minor_axis_length.PET	0.700450141	-1.250576e-02	0.79449679
## Least_axis_length.PET	0.655112647	-4.206198e-02	0.72029641
## Elongation.PET	0.649849820	-2.069119e-02	0.77556063
## Flatness.PET	0.646272276	-4.660928e-02	0.75652178
## Max_cooc.L.PET	0.275598115	-3.542673e-02	0.36303122
## Average_cooc.L.PET	0.712155981	-5.203085e-02	0.72785752
## Variance_cooc.L.PET	0.378704447	-2.037723e-02	0.46407570
## Entropy_cooc.L.PET	0.838039072	-5.515139e-02	0.95524121
## DAVE_cooc.L.PET	0.542917620	-1.139965e-01	0.59757248
## DVAR_cooc.L.PET	0.454923319	-1.466417e-01	0.50537287
## DENT_cooc.L.PET	0.766489497	-7.896580e-02	0.88505793
## SAVE_cooc.L.PET	0.712122546	-5.200206e-02	0.72775051
## SVAR_cooc.L.PET	0.369736041	4.934162e-02	0.49240624
## SENT_cooc.L.PET	0.768534742	-3.232853e-02	0.90248692
## ASM_cooc.L.PET	0.271891024	-4.101987e-02	0.34396240
## Contrast_cooc.L.PET	0.341920437	-1.283487e-01	0.35654996
## Dissimilarity_cooc.L.PET	0.542917620	-1.139965e-01	0.59757248
## Inv_diff_cooc.L.PET	0.703195405	-9.913036e-03	0.87578271
## Inv_diff_norm_cooc.L.PET	0.808842542	-4.486503e-02	0.96247922
## IDM_cooc.L.PET	0.621176930	-3.027906e-03	0.79204048
## IDM_norm_cooc.L.PET	0.808775739	-4.902668e-02	0.95870889
## Inv_var_cooc.L.PET	0.625243139	3.109851e-03	0.79640911
## Correlation_cooc.L.PET	0.512611045	1.493151e-01	0.71649172
## Autocorrelation_cooc.L.PET	0.529619500	-1.409595e-02	0.50492461
## Tendency_cooc.L.PET	0.369736041	4.934162e-02	0.49240624
## Shade_cooc.L.PET	-0.036447592	1.494077e-01	0.21128542
## Prominence_cooc.L.PET	0.109431911	9.605525e-02	0.26852928
## IC1_.L.PET	-0.070486015	-7.654156e-02	-0.17130712
## IC2_.L.PET	0.613621584	3.318513e-03	0.76779383
## Coarseness_vdif_.L.PET	0.224681040	-2.578785e-02	0.30212697
## Contrast_vdif_.L.PET	0.017430210	-7.221950e-02	0.04900374
## Busyness_vdif_.L.PET	0.395934366	-8.689423e-02	0.45905764
## Complexity_vdif_.L.PET	0.472601895	-1.422500e-01	0.53976148
## Strength_vdif_.L.PET	-0.087162446	7.088135e-03	0.04666516
## SRE_align.L.PET	0.799505749	-5.801828e-02	0.94286191
## LRE_align.L.PET	0.811356575	-4.867851e-02	0.96223199
## GLNU_align.L.PET	0.382851421	-6.680746e-02	0.41921444
## RLNU_align.L.PET	0.410752002	-6.926138e-02	0.40762057
## RP_align.L.PET	0.798360847	-5.853642e-02	0.94102196
## LGRE_align.L.PET	0.281615094	-7.074885e-02	0.52166606

## HGRE_align.L.PET	0.554977815	-2.634791e-02	0.52092357
## LGSRE_align.L.PET	0.286552766	-7.301044e-02	0.52451855
## HGSRE_align.L.PET	0.549504251	-2.745106e-02	0.51618924
## LGHRE_align.L.PET	0.261285662	-6.101914e-02	0.50779357
## HGLRE_align.L.PET	0.576072995	-2.188308e-02	0.53898883
## GLNU_norm_align.L.PET	0.410995094	-4.955211e-02	0.57123550
## RLNU_norm_align.L.PET	0.793986549	-6.009448e-02	0.93396686
## GLVAR_align.L.PET	0.449906287	-1.700986e-02	0.51244995
## RLVAR_align.L.PET	0.521580132	-1.803319e-02	0.64964789
## Entropy_align.L.PET	0.842559756	-4.886475e-02	0.95748163
## SZSE.L.PET	0.772362020	-5.818017e-02	0.91048174
## LZSE.L.PET	0.609871153	-3.466931e-02	0.72085762
## LGLZE.L.PET	0.295436728	-7.623862e-02	0.53285550
## HGLZE.L.PET	0.560464868	-2.664508e-02	0.52894438
## SZLGE.L.PET	0.305043299	-8.205037e-02	0.53394478
## SZHGE.L.PET	0.541680877	-2.795541e-02	0.51444380
## LZLGE.L.PET	0.209949813	-3.217993e-02	0.44849529
## LZHGE.L.PET	0.519123129	-2.089312e-02	0.47787192
## GLNU_area.L.PET	0.386680602	-6.818488e-02	0.42047495
## ZSNU.L.PET	0.413645080	-6.998279e-02	0.40589914
## ZSP.L.PET	0.773986468	-5.679845e-02	0.91037868
## GLNU_norm.L.PET	0.413588938	-5.037039e-02	0.57264516
## ZSNU_norm.L.PET	0.776360886	-5.785544e-02	0.90468255
## GLVAR_area.L.PET	0.463013704	-1.497847e-02	0.52479137
## ZSVAR.L.PET	0.444187093	-3.782988e-02	0.53837424
## Entropy_area.L.PET	0.848535809	-5.059349e-02	0.96806782
## Max_cooc.H.PET	-0.218353244	4.130208e-01	0.10120228
## Average_cooc.H.PET	0.669525244	2.045727e-02	0.87656703
## Variance_cooc.H.PET	0.980490162	-2.276528e-01	0.91729449
## Entropy_cooc.H.PET	0.771311087	-2.011287e-01	0.84082648
## DAVE_cooc.H.PET	0.891167404	-2.444180e-01	0.86073494
## DVAR_cooc.H.PET	0.876242300	-1.978995e-01	0.82885538
## DENT_cooc.H.PET	0.753229374	-5.073119e-02	0.81590652
## SAVE_cooc.H.PET	0.740972673	2.190614e-03	0.91911286
## SVAR_cooc.H.PET	0.903497621	-6.055440e-02	0.91684022
## SENT_cooc.H.PET	0.734162773	-1.637288e-01	0.70418890
## ASM_cooc.H.PET	-0.162192924	3.916570e-01	0.10503353
## Contrast_cooc.H.PET	0.860850732	-2.475329e-01	0.76804334
## Dissimilarity_cooc.H.PET	0.891167404	-2.444180e-01	0.86073494
## Inv_diff_cooc.H.PET	0.209238859	3.147238e-01	0.52680551
## Inv_diff_norm_cooc.H.PET	0.764970448	-1.710197e-02	0.93885783
## IDM_cooc.H.PET	0.086337119	3.571121e-01	0.40960251
## IDM_norm_cooc.H.PET	0.784792276	-3.928068e-02	0.94600905
## Inv_var_cooc_.H.PET	0.521728757	-1.287204e-01	0.58016331
## Correlation_cooc.H.PET	0.570879892	9.609738e-02	0.73991637
## Autocorrelation_cooc.H.PET	0.538426950	8.896108e-02	0.79060840
## Tendency_cooc.H.PET	0.957463819	-1.965657e-01	0.91590070
## Shade_cooc.H.PET	-0.727225804	2.364256e-01	-0.52152033
## Prominence_cooc.H.PET	0.908541757	-2.397804e-01	0.76569299
## IC1_d.H.PET	0.004763464	-4.331785e-01	-0.17696780
## IC2_d.H.PET	0.667321446	5.622894e-02	0.83466370
## Coarseness_vdif.H.PET	0.258610218	-3.735382e-02	0.32568984
## Contrast_vdif.H.PET	0.027323011	7.095814e-02	0.10632465
## Busyness_vdif.H.PET	0.171236370	-6.834480e-02	0.20224069

## Complexity_vdif.H.PET	0.579465433	-1.218056e-01	0.56080960
## Strength_vdif.H.PET	-0.178659086	1.487688e-01	-0.08035814
## SRE_align.H.PET	0.871042580	-1.820943e-01	0.94951226
## LRE_align.H.PET	0.230520843	5.296098e-01	0.52629120
## RLNU_align.H.PET	0.431887315	-1.134631e-01	0.40847928
## RP_align.H.PET	0.877815371	-1.994836e-01	0.93984903
## LGRE_align.H.PET	0.331119695	-5.825879e-02	0.38014088
## HGRE_align.H.PET	0.552741721	9.220846e-02	0.79656329
## LGSRE_align.H.PET	0.328216000	-5.840553e-02	0.37714588
## HGSRE_align.H.PET	0.680964926	-7.365845e-02	0.86596401
## LGHRE_align.H.PET	0.342938396	-4.817662e-02	0.39562397
## HGLRE_align.H.PET	0.023081698	6.089444e-01	0.31435104
## GLNU_norm_align.H.PET	-0.024317036	2.805008e-01	0.29613092
## RLNU_norm_align.H.PET	0.892934667	-2.470396e-01	0.90888155
## GLVAR_align.H.PET	0.990718005	-2.310118e-01	0.90586426
## RLVAR_align.H.PET	-0.100967718	6.794744e-01	0.19398342
## Entropy_align.H.PET	0.931958027	-1.121074e-01	0.97087689
## SZSE.H.PET	0.868684758	-1.802338e-01	0.86826020
## LZSE.H.PET	-0.230765892	9.867956e-01	-0.10311372
## LGLZE.H.PET	0.336205343	-5.945031e-02	0.38257505
## HGLZE.H.PET	0.534968886	1.457574e-01	0.79028275
## SZLGE.H.PET	0.325910988	-5.733387e-02	0.37379744
## SZHGE.H.PET	0.658766018	-2.533771e-02	0.77398372
## LZLGE.H.PET	-0.195648390	9.665021e-01	-0.04681912
## LZHGE.H.PET	-0.258085206	9.758003e-01	-0.11619969
## GLNU_area.H.PET	0.417664840	-1.121703e-01	0.42386608
## ZSNU.H.PET	0.418090677	-1.253531e-01	0.37150806
## ZSP.H.PET	0.826886174	-3.124104e-01	0.72106556
## GLNU_norm.H.PET	0.013135701	2.633862e-01	0.30713311
## ZSNU_norm.H.PET	0.834686023	-2.234055e-01	0.76195954
## GLVAR_area.H.PET	1.000000000	-2.477860e-01	0.89646155
## ZSVAR.H.PET	-0.247786022	1.000000e+00	-0.11094133
## Entropy_area.H.PET	0.896461554	-1.109413e-01	1.00000000
## Max_cooc.W.PET	-0.101532138	2.987075e-01	0.15018727
## Average_cooc.W.PET	0.810869557	-2.340476e-01	0.68226202
## Variance_cooc.W.PET	0.512071437	-1.961359e-01	0.41301523
## Entropy_cooc.W.PET	0.934802596	-2.180829e-01	0.92904910
## DAVE_cooc.W.PET	0.771209221	-2.614489e-01	0.65046008
## DVAR_cooc.W.PET	0.553341095	-2.092816e-01	0.42436598
## DENT_cooc.W.PET	0.902844034	-2.397377e-01	0.89122517
## SAVE_cooc.W.PET	0.810500014	-2.340150e-01	0.68173081
## SVAR_cooc.W.PET	0.471521746	-1.819742e-01	0.39396245
## SENT_cooc.W.PET	0.907262811	-1.764399e-01	0.93608136
## ASM_cooc.W.PET	0.020889579	2.262999e-01	0.21471316
## Contrast_cooc.W.PET	0.572174521	-2.156473e-01	0.42559697
## Dissimilarity_cooc.W.PET	0.771209221	-2.614489e-01	0.65046008
## Inv_diff_cooc.W.PET	0.322106716	2.238174e-01	0.60818207
## Inv_diff_norm_cooc.W.PET	0.804634887	-4.021519e-02	0.96039922
## IDM_cooc.W.PET	0.159057692	2.997227e-01	0.46040785
## IDM_norm_cooc.W.PET	0.807768897	-4.826969e-02	0.95805106
## Inv_var_cooc.W.PET	0.256186422	2.187889e-01	0.54113906
## Correlation_cooc.W.PET	0.522198999	1.376097e-01	0.72081681
## Autocorrelation_cooc.W.PET	0.579742826	-1.931404e-01	0.44326619
## Tendency_cooc.W.PET	0.471521746	-1.819742e-01	0.39396245

## Shade_cooc.W.PET	0.119234037	-8.094601e-02	0.13701492
## Prominence_cooc.W.PET	0.119308232	-7.585231e-02	0.11815802
## IC1_d.W.PET	-0.048724168	-3.855869e-01	-0.18770933
## IC2_d.W.PET	0.722997993	4.293197e-02	0.86637407
## Coarseness_vdif.W.PET	0.172111420	-2.363968e-02	0.25052252
## Contrast_vdif.W.PET	0.603840561	-2.286807e-01	0.47665210
## Busyness_vdif.W.PET	-0.119924195	4.059511e-01	0.16734084
## Complexity_vdif.W.PET	0.392154265	-1.460830e-01	0.33034446
## Strength_vdif.W.PET	0.218570095	-1.211827e-01	0.21628254
## SRE_align.W.PET	0.840594945	-1.152739e-01	0.95521773
## LRE_align.W.PET	0.520062605	2.877855e-01	0.77450864
## GLNU_align.W.PET	0.309941143	5.535339e-02	0.40252815
## RLNU_align.W.PET	0.421580111	-9.642174e-02	0.40864227
## RP_align.W.PET	0.849640394	-1.357203e-01	0.95387776
## LGRE_align.W.PET	-0.085232660	2.508304e-01	0.27521653
## HGRE_align.W.PET	0.585233544	-1.946448e-01	0.44616656
## LGSRE_align.W.PET	-0.042875306	2.033030e-01	0.31057594
## HGSRE_align.W.PET	0.579551172	-1.954042e-01	0.44034358
## LGHRE_align.W.PET	-0.229030228	4.841472e-01	0.13271738
## HGLRE_align.W.PET	0.607287450	-1.871218e-01	0.46976441
## GLNU_norm_align.W.PET	-0.008374395	2.576046e-01	0.29544304
## RLNU_norm_align.W.PET	0.872393076	-1.739203e-01	0.94801943
## GLVAR_align.W.PET	0.533835276	-1.965247e-01	0.42666977
## RLVAR_align.W.PET	-0.043620884	6.419066e-01	0.24568900
## Entropy_align.W.PET	0.937938927	-1.448442e-01	0.96853552
## SZSE.W.PET	0.851657989	-1.620315e-01	0.91880470
## LZSE.W.PET	-0.207947827	8.097079e-01	0.01654646
## LGLZE.W.PET	-0.044160093	2.626664e-01	0.30368863
## HGLZE.W.PET	0.583605145	-1.960385e-01	0.44860836
## SZLGE.W.PET	0.064634404	1.857888e-01	0.37820446
## SZHGE.W.PET	0.563401525	-1.958004e-01	0.43010246
## LZLGE.W.PET	-0.321350425	8.482468e-01	-0.11195026
## LZHGE.W.PET	0.559680455	-2.837532e-02	0.47768174
## GLNU_area.W.PET	0.365823668	-2.928171e-02	0.41984985
## ZSNU.W.PET	0.422355398	-1.164702e-01	0.39247108
## ZSP.W.PET	0.882859340	-2.591546e-01	0.88072403
## GLNU_norm.W.PET	0.021730829	2.567908e-01	0.31228775
## ZSNU_norm.W.PET	0.873733742	-2.297439e-01	0.87184381
## GLVAR_area.W.PET	0.536827820	-1.957352e-01	0.43067342
## ZSVAR.W.PET	-0.265369565	8.646845e-01	-0.06585985
## Entropy_area.W.PET	0.912561397	-9.870245e-02	0.99280912
## Min_hist.ADC	0.162119272	-5.281716e-02	0.23416326
## Max_hist.ADC	0.703155089	-2.798746e-02	0.86239752
## Mean_hist.ADC	0.624290725	-4.828585e-02	0.78780659
## Variance_hist.ADC	0.324016797	8.927751e-02	0.44711077
## Standard_Deviation_hist.ADC	0.565297524	3.611295e-02	0.70628980
## Skewness_hist.ADC	0.256097816	-9.165360e-02	0.28334278
## Kurtosis_hist.ADC	0.228042895	-5.109727e-02	0.30567245
## Energy_hist.ADC	0.278165086	-3.832901e-02	0.35099612
## Entropy_hist.ADC	0.811400987	-4.151810e-02	0.94256916
## AUC_hist.ADC	0.814892658	-7.736348e-02	0.94406912
## Volume.ADC	0.419927124	-8.071806e-02	0.45151790
## X3D_surface.ADC	0.451433585	-2.600282e-02	0.51092709
## ratio_3ds_vol.ADC	0.412500007	-4.820426e-02	0.52161085

## ratio_3ds_vol_norm.ADC	0.777638127	-8.066913e-02	0.91311984
## irregularity.ADC	0.761352439	-5.672276e-02	0.89083592
## Compactness_v1.ADC	0.485871548	-3.666451e-02	0.59047197
##	Max_cooc.W.PET	Average_cooc.W.PET	
## Failure	0.1063268411	-0.0975878482	
## Entropy_cooc.W.ADC	-0.0687740649	0.0501092537	
## GLNU_align.H.PET	-0.0132365000	-0.0090793059	
## Min_hist.PET	-0.2301519538	0.8908639392	
## Max_hist.PET	-0.2502327342	0.9456985647	
## Mean_hist.PET	-0.2635257100	0.9583771602	
## Variance_hist.PET	-0.3069873910	0.8836004656	
## Standard_Deviation_hist.PET	-0.2584345742	0.9711982410	
## Skewness_hist.PET	0.3892741025	0.0348449931	
## Kurtosis_hist.PET	0.2070525723	-0.0928505535	
## Energy_hist.PET	0.6683545255	0.0705435306	
## Entropy_hist.PET	0.1373266345	0.5942509065	
## AUC_hist.PET	0.3822558513	0.5065764066	
## H_suv.PET	-0.1860448577	0.9107602657	
## Volume.PET	-0.1990177429	0.4270094442	
## X3D_surface.PET	-0.0744575246	0.3165760990	
## ratio_3ds_vol.PET	0.6250876478	0.0505917885	
## ratio_3ds_vol_norm.PET	0.4258042098	0.2522509408	
## irregularity.PET	0.4447149197	0.4285736663	
## tumor_length.PET	0.0968514407	0.5160602649	
## Compactness_v1.PET	0.5555552380	0.2601494459	
## Compactness_v2.PET	-0.2120357309	0.3460629643	
## Spherical_disproportion.PET	0.4258042098	0.2522509408	
## Sphericity.PET	-0.2865830071	0.3291105017	
## Asphericity.PET	0.4229889889	0.2394224712	
## Center_of_mass.PET	0.0141876340	0.3970894876	
## Max_3D_diam.PET	-0.2137739766	0.5819588399	
## Major_axis_length.PET	-0.1424523726	0.6394315019	
## Minor_axis_length.PET	-0.0495467749	0.5648111641	
## Least_axis_length.PET	-0.1541354404	0.5747243763	
## Elongation.PET	0.3391425330	0.3110415436	
## Flatness.PET	0.2200857470	0.3594784878	
## Max_cooc.L.PET	0.6740170719	0.1074870386	
## Average_cooc.L.PET	0.2618385941	0.4729382979	
## Variance_cooc.L.PET	0.3362896694	0.2006931603	
## Entropy_cooc.L.PET	0.2562500281	0.5728017958	
## DAVE_cooc.L.PET	0.3108459911	0.3241873588	
## DVAR_cooc.L.PET	0.3104841978	0.2876876768	
## DENT_cooc.L.PET	0.3333660314	0.5019095347	
## SAVE_cooc.L.PET	0.2611773452	0.4730014342	
## SVAR_cooc.L.PET	0.3500467891	0.1921769073	
## SENT_cooc.L.PET	0.3856062238	0.4856874766	
## ASM_cooc.L.PET	0.6336153056	0.1095388932	
## Contrast_cooc.L.PET	0.2690077500	0.1871870900	
## Dissimilarity_cooc.L.PET	0.3108459911	0.3241873588	
## Inv_diff_cooc.L.PET	0.3641439321	0.4740935425	
## Inv_diff_norm_cooc.L.PET	0.3438372493	0.5375566214	
## IDM_cooc.L.PET	0.3876731419	0.4139705869	
## IDM_norm_cooc.L.PET	0.3454426719	0.5350459211	
## Inv_var_cooc.L.PET	0.3889812368	0.4222970795	

## Correlation_cooc.L.PET	0.2673598903	0.3307272470
## Autocorrelation_cooc.L.PET	0.2367442936	0.3280710148
## Tendency_cooc.L.PET	0.3500467891	0.1921769073
## Shade_cooc.L.PET	0.3017489729	-0.0170176396
## Prominence_cooc.L.PET	0.3701834259	0.0100715768
## IC1_.L.PET	-0.2680139361	0.0386062321
## IC2_.L.PET	0.4894647288	0.3499813668
## Coarseness_vdif_.L.PET	0.7165538420	0.0284846858
## Contrast_vdif_.L.PET	0.2594648033	-0.0496465263
## Busyness_vdif_.L.PET	-0.1675450886	0.3732059632
## Complexity_vdif_.L.PET	0.3492871646	0.2826393835
## Strength_vdif_.L.PET	0.5496602537	-0.1681882655
## SRE_align.L.PET	0.3561009074	0.5248198997
## LRE_align.L.PET	0.3285898337	0.5381419338
## GLNU_align.L.PET	-0.1729027516	0.3798355238
## RLNU_align.L.PET	-0.2312644230	0.4336589236
## RP_align.L.PET	0.3572648993	0.5230436862
## LGRE_align.L.PET	0.5510724880	0.1337131013
## HGRE_align.L.PET	0.2477312351	0.3471940159
## LGSRE_align.L.PET	0.5542383190	0.1368744517
## HGSRE_align.L.PET	0.2511501372	0.3422734130
## LGHRE_align.L.PET	0.5356201458	0.1207042367
## HGLRE_align.L.PET	0.2324441954	0.3665310971
## GLNU_norm_align.L.PET	0.6529111879	0.2007096463
## RLNU_norm_align.L.PET	0.3611940028	0.5172857476
## GLVAR_align.L.PET	0.3058689677	0.2573791555
## RLVAR_align.L.PET	0.4820039502	0.3290347315
## Entropy_align.L.PET	0.2717946870	0.5742282721
## SZSE.L.PET	0.3647717330	0.5146554036
## LZSE.L.PET	0.1706269717	0.3861388263
## LGLZE.L.PET	0.5480869031	0.1392956836
## HGLZE.L.PET	0.2497971861	0.3523443239
## SZLGE.L.PET	0.5608161268	0.1467812366
## SZHGE.L.PET	0.2615465517	0.3441038765
## LZLGE.L.PET	0.4439630915	0.0893338900
## LZHGE.L.PET	0.1445763143	0.3195233515
## GLNU_area.L.PET	-0.1774030270	0.3874075581
## ZSNU.L.PET	-0.2363816428	0.4394051109
## ZSP.L.PET	0.3699738303	0.5091667117
## GLNU_norm.L.PET	0.6507447316	0.2021838104
## ZSNU_norm.L.PET	0.3739635791	0.5016644205
## GLVAR_area.L.PET	0.3093386281	0.2692902608
## ZSVAR.L.PET	0.1280515493	0.3072810854
## Entropy_area.L.PET	0.2625691979	0.5821577339
## Max_cooc.H.PET	0.9339144541	-0.4041004560
## Average_cooc.H.PET	0.4775406344	0.3606216735
## Variance_cooc.H.PET	-0.0439148949	0.7930492538
## Entropy_cooc.H.PET	0.0718799332	0.7040199576
## DAVE_cooc.H.PET	0.0446530965	0.6734089616
## DVAR_cooc.H.PET	0.1105367167	0.6331791498
## DENT_cooc.H.PET	-0.0033611621	0.5848274868
## SAVE_cooc.H.PET	0.3654615909	0.4380552069
## SVAR_cooc.H.PET	0.0355364687	0.7025289584
## SENT_cooc.H.PET	0.1392200331	0.6395526143

## ASM_cooc.H.PET	0.9705276961	-0.3539878844
## Contrast_cooc.H.PET	0.0029724489	0.6683297163
## Dissimilarity_cooc.H.PET	0.0446530965	0.6734089616
## Inv_diff_cooc.H.PET	0.7916672690	-0.1261410279
## Inv_diff_norm_cooc.H.PET	0.4043265271	0.4856504265
## IDM_cooc.H.PET	0.8181947944	-0.2490891280
## IDM_norm_cooc.H.PET	0.3729337104	0.5091756307
## Inv_var_cooc_.H.PET	0.4360286980	0.4596838411
## Correlation_cooc.H.PET	0.2066412569	0.4096578632
## Autocorrelation_cooc.H.PET	0.5910598955	0.2173240496
## Tendency_cooc.H.PET	-0.0654142281	0.7895403083
## Shade_cooc.H.PET	0.1923987244	-0.5248293679
## Prominence_cooc.H.PET	-0.2452313188	0.8525405179
## IC1_d.H.PET	0.0442861180	0.0538512392
## IC2_d.H.PET	0.2134086439	0.5117054811
## Coarseness_vdif.H.PET	0.6604903905	0.1084911205
## Contrast_vdif.H.PET	0.5288240075	-0.2928002193
## Busyness_vdif.H.PET	-0.2660939923	0.1004315700
## Complexity_vdif.H.PET	0.3404301420	0.3358553362
## Strength_vdif.H.PET	0.6207128645	-0.1473349104
## SRE_align.H.PET	0.2091349179	0.6567420532
## LRE_align.H.PET	0.6535532839	-0.0784264486
## RLNU_align.H.PET	-0.2521605761	0.5090587121
## RP_align.H.PET	0.1863586979	0.6799064440
## LGRE_align.H.PET	0.5922108091	0.1929751118
## HGRE_align.H.PET	0.6043463363	0.2348771907
## LGSRE_align.H.PET	0.5926255503	0.1907857004
## HGSRE_align.H.PET	0.4529840976	0.4053767812
## LGHRE_align.H.PET	0.5948261982	0.1976679592
## HGLRE_align.H.PET	0.7268591432	-0.2421412227
## GLNU_norm_align.H.PET	0.8662524077	-0.3426566003
## RLNU_norm_align.H.PET	0.0923988879	0.7479905949
## GLVAR_align.H.PET	-0.0821230173	0.8154587300
## RLVAR_align.H.PET	0.6106834306	-0.3548703193
## Entropy_align.H.PET	0.0427412963	0.8128091528
## SZSE.H.PET	0.0547616124	0.7757165244
## LZSE.H.PET	0.2472266772	-0.2085915714
## LGLZE.H.PET	0.5885765322	0.1999946156
## HGLZE.H.PET	0.4908561581	0.2539331764
## SZLGE.H.PET	0.5922702600	0.1909860187
## SZHGE.H.PET	0.2368429291	0.5252360823
## LZLGE.H.PET	0.3280586975	-0.2255606156
## LZHGE.H.PET	0.3877312510	-0.2450458178
## GLNU_area.H.PET	-0.2250822088	0.3728345990
## ZSNU.H.PET	-0.2678529675	0.5740933996
## ZSP.H.PET	-0.1518604868	0.8548092274
## GLNU_norm.H.PET	0.7906769054	-0.3264374738
## ZSNU_norm.H.PET	-0.0756922852	0.8476186689
## GLVAR_area.H.PET	-0.1015321376	0.8108695575
## ZSVAR_H.PET	0.2987075322	-0.2340476250
## Entropy_area.H.PET	0.1501872688	0.6822620250
## Max_cooc.W.PET	1.0000000000	-0.2740112005
## Average_cooc.W.PET	-0.2740112005	1.0000000000
## Variance_cooc.W.PET	-0.2952644029	0.8581139596

## Entropy_cooc.W.PET	-0.0534788537	0.8597092281
## DAVE_cooc.W.PET	-0.2469312432	0.9346298886
## DVAR_cooc.W.PET	-0.3002115068	0.8790562772
## DENT_cooc.W.PET	-0.0402048621	0.8505110130
## SAVE_cooc.W.PET	-0.2753543880	0.9999979167
## SVAR_cooc.W.PET	-0.2799635011	0.8192840515
## SENT_cooc.W.PET	0.0705435570	0.7905546563
## ASM_cooc.W.PET	0.9569965146	-0.1656378001
## Contrast_cooc.W.PET	-0.3097450450	0.8830088579
## Dissimilarity_cooc.W.PET	-0.2469312432	0.9346298886
## Inv_diff_cooc.W.PET	0.7233488999	-0.0753433386
## Inv_diff_norm_cooc.W.PET	0.3517046028	0.5312905972
## IDM_cooc.W.PET	0.7766366386	-0.2257515277
## IDM_norm_cooc.W.PET	0.3471555872	0.5333289797
## Inv_var_cooc.W.PET	0.7024005427	-0.1571361237
## Correlation_cooc.W.PET	0.2503249318	0.3441889345
## Autocorrelation_cooc.W.PET	-0.3273521864	0.9314046111
## Tendency_cooc.W.PET	-0.2799635011	0.8192840515
## Shade_cooc.W.PET	-0.1210790764	0.3808481256
## Prominence_cooc.W.PET	-0.1371285612	0.4098989265
## IC1_d.W.PET	0.1186200499	-0.0588709797
## IC2_d.W.PET	0.2563435330	0.5733923419
## Coarseness_vdif.W.PET	0.7220307594	-0.0214154634
## Contrast_vdif.W.PET	-0.0925120183	0.7199185620
## Busyness_vdif.W.PET	0.3065171438	-0.3442530092
## Complexity_vdif.W.PET	-0.2420650633	0.7410181980
## Strength_vdif.W.PET	0.0025027271	0.3638797184
## SRE_align.W.PET	0.2816843853	0.5950276918
## LRE_align.W.PET	0.5904774894	0.1795906590
## GLNU_align.W.PET	-0.1025100935	0.1702524243
## RLNU_align.W.PET	-0.2408169454	0.4733312630
## RP_align.W.PET	0.2624866715	0.6130677595
## LGRE_align.W.PET	0.8168284155	-0.3518981492
## HGRE_align.W.PET	-0.3327065346	0.9325707619
## LGSRE_align.W.PET	0.7925890337	-0.3220373941
## HGSRE_align.W.PET	-0.3333111778	0.9306657340
## LGHRE_align.W.PET	0.8465449368	-0.4248722433
## HGLRE_align.W.PET	-0.3291383761	0.9372082379
## GLNU_norm_align.W.PET	0.9222844842	-0.3067009736
## RLNU_norm_align.W.PET	0.1980182506	0.6673158964
## GLVAR_align.W.PET	-0.3078801466	0.8835355191
## RLVAR_align.W.PET	0.7217116746	-0.3219976922
## Entropy_align.W.PET	0.0310690315	0.8168008271
## SZSE.W.PET	0.2015802719	0.6769069985
## LZSE.W.PET	0.6130078757	-0.3303250874
## LGLZE.W.PET	0.8000981574	-0.3396918197
## HGLZE.W.PET	-0.3314137920	0.9317808684
## SZLGE.W.PET	0.7621599754	-0.2379604533
## SZHGE.W.PET	-0.3290006845	0.9226737652
## LZLGE.W.PET	0.5915563676	-0.3105465928
## LZHGE.W.PET	-0.1950633280	0.7333814442
## GLNU_area.W.PET	-0.1616344626	0.2631378139
## ZSNU.W.PET	-0.2537281480	0.5244495183
## ZSP.W.PET	0.0421541598	0.7706228189

## GLNU_norm.W.PET	0.8868453354	-0.2989292259
## ZSNU_norm.W.PET	0.0653660851	0.7803726988
## GLVAR_area.W.PET	-0.3034719069	0.8825383414
## ZSVAR.W.PET	0.5650314803	-0.3401152507
## Entropy_area.W.PET	0.1136090206	0.7355938060
## Min_hist.ADC	0.3019386499	0.1383745647
## Max_hist.ADC	0.2746405733	0.4663383043
## Mean_hist.ADC	0.3424900686	0.3882250276
## Variance_hist.ADC	0.2025590472	0.1813920400
## Standard_Deviation_hist.ADC	0.2635532943	0.3460861663
## Skewness_hist.ADC	0.0694655342	0.2530282639
## Kurtosis_hist.ADC	0.0463138420	0.2261987632
## Energy_hist.ADC	0.6433764691	0.1095302484
## Entropy_hist.ADC	0.2448020117	0.5585501422
## AUC_hist.ADC	0.3254915032	0.5537186949
## Volume.ADC	-0.1858822344	0.4022891550
## X3D_surface.ADC	-0.0262102918	0.3451781311
## ratio_3ds_vol.ADC	0.4591657838	0.1999700978
## ratio_3ds_vol_norm.ADC	0.2606046168	0.5058711207
## irregularity.ADC	0.3735062402	0.4934578398
## Compactness_v1.ADC	0.6280441356	0.2697763413
##	Variance_cooc.W.PET	Entropy_cooc.W.PET
## Failure	-0.109913972	-0.068347090
## Entropy_cooc.W.ADC	0.038741751	0.040873516
## GLNU_align.H.PET	-0.009228734	-0.018099147
## Min_hist.PET	0.774783104	0.819415213
## Max_hist.PET	0.863733946	0.859354770
## Mean_hist.PET	0.827721889	0.849988035
## Variance_hist.PET	0.994681990	0.637305048
## Standard_Deviation_hist.PET	0.917521612	0.869528348
## Skewness_hist.PET	0.076598112	0.363417587
## Kurtosis_hist.PET	-0.054434061	0.056299618
## Energy_hist.PET	0.010949502	0.247935688
## Entropy_hist.PET	0.339427138	0.836756229
## AUC_hist.PET	0.250086698	0.844790051
## H_suv.PET	0.807480146	0.853465193
## Volume.PET	0.285573755	0.444849575
## X3D_surface.PET	0.255581082	0.318271369
## ratio_3ds_vol.PET	0.022913291	0.319181233
## ratio_3ds_vol_norm.PET	0.205450563	0.456181174
## irregularity.PET	0.199173010	0.772661892
## tumor_length.PET	0.354798356	0.638197218
## Compactness_v1.PET	0.127349764	0.427944960
## Compactness_v2.PET	0.198493033	0.340040795
## Spherical_disproportion.PET	0.205450563	0.456181174
## Sphericity.PET	0.180209470	0.341477283
## Asphericity.PET	0.200446081	0.436325227
## Center_of_mass.PET	0.495935386	0.443298732
## Max_3D_diam.PET	0.398169741	0.605738817
## Major_axis_length.PET	0.460718129	0.648125461
## Minor_axis_length.PET	0.347959497	0.721238442
## Least_axis_length.PET	0.381687800	0.669539304
## Elongation.PET	0.070848107	0.677770599
## Flatness.PET	0.125273860	0.673148722

## Max_cooc.L.PET	0.041930080	0.285048395
## Average_cooc.L.PET	0.178593019	0.687825719
## Variance_cooc.L.PET	0.074328278	0.461532502
## Entropy_cooc.L.PET	0.287002241	0.879673591
## DAVE_cooc.L.PET	0.123759321	0.608965417
## DVAR_cooc.L.PET	0.167388767	0.553591402
## DENT_cooc.L.PET	0.241874825	0.829622414
## SAVE_cooc.L.PET	0.178614945	0.687785467
## SVAR_cooc.L.PET	0.079637916	0.451700488
## SENT_cooc.L.PET	0.237365396	0.814361155
## ASM_cooc.L.PET	0.043342388	0.273509210
## Contrast_cooc.L.PET	0.055883674	0.414978607
## Dissimilarity_cooc.L.PET	0.123759321	0.608965417
## Inv_diff_cooc.L.PET	0.275340575	0.742768397
## Inv_diff_norm_cooc.L.PET	0.275036041	0.861118688
## IDM_cooc.L.PET	0.254272722	0.656092731
## IDM_norm_cooc.L.PET	0.270093283	0.861677168
## Inv_var_cooc.L.PET	0.260548987	0.662825358
## Correlation_cooc.L.PET	0.203702460	0.531701055
## Autocorrelation_cooc.L.PET	0.075280599	0.471018439
## Tendency_cooc.L.PET	0.079637916	0.451700488
## Shade_cooc.L.PET	0.127807743	0.192472619
## Prominence_cooc.L.PET	0.002720644	0.242227099
## IC1_.L.PET	0.032168283	-0.136317156
## IC2_.L.PET	0.175472285	0.677535226
## Coarseness_vdif_.L.PET	-0.032156361	0.228447504
## Contrast_vdif_.L.PET	-0.079211770	0.086872930
## Busyness_vdif_.L.PET	0.298074223	0.436191280
## Complexity_vdif_.L.PET	0.126276855	0.571121671
## Strength_vdif_.L.PET	-0.124313544	0.026439496
## SRE_align.L.PET	0.260009244	0.856426571
## LRE_align.L.PET	0.277162814	0.862088971
## GLNU_align.L.PET	0.298988802	0.390522122
## RLNU_align.L.PET	0.327210155	0.400109322
## RP_align.L.PET	0.257902852	0.855264801
## LGRE_align.L.PET	0.109466817	0.443281282
## HGRE_align.L.PET	0.087894192	0.498816066
## LGSRE_align.L.PET	0.109088308	0.447202997
## HGSRE_align.L.PET	0.085900124	0.495680843
## LGHRE_align.L.PET	0.110786097	0.425477625
## HGLRE_align.L.PET	0.096033926	0.510446799
## GLNU_norm_align.L.PET	0.098133382	0.472974856
## RLNU_norm_align.L.PET	0.251762512	0.851044688
## GLVAR_align.L.PET	0.087026758	0.504135718
## RLVAR_align.L.PET	0.206950677	0.527461132
## Entropy_align.L.PET	0.287758480	0.877331216
## SZSE.L.PET	0.259728888	0.835528800
## LZSE.L.PET	0.198126598	0.617009226
## LGLZE.L.PET	0.103185951	0.452102609
## HGLZE.L.PET	0.095865754	0.508798088
## SZLGE.L.PET	0.100246679	0.457729082
## SZHGE.L.PET	0.100615573	0.502780670
## LZLGE.L.PET	0.121234583	0.358632697
## LZHGE.L.PET	0.065936586	0.430735506

## GLNU_area.L.PET	0.302028585	0.395293533
## ZSNU.L.PET	0.326948957	0.403818613
## ZSP.L.PET	0.250206102	0.836346683
## GLNU_norm.L.PET	0.097278363	0.474144637
## ZSNU_norm.L.PET	0.238369249	0.833996838
## GLVAR_area.L.PET	0.098078048	0.517030766
## ZSVAR.L.PET	0.221663374	0.430865058
## Entropy_area.L.PET	0.297155116	0.883582138
## Max_cooc.H.PET	-0.413295602	-0.151482875
## Average_cooc.H.PET	0.113209447	0.734783446
## Variance_cooc.H.PET	0.507309157	0.954130065
## Entropy_cooc.H.PET	0.494189354	0.891933849
## DAVE_cooc.H.PET	0.387452849	0.910415422
## DVAR_cooc.H.PET	0.336742376	0.850482403
## DENT_cooc.H.PET	0.329020237	0.807793102
## SAVE_cooc.H.PET	0.179862919	0.795835968
## SVAR_cooc.H.PET	0.430497835	0.882911273
## SENT_cooc.H.PET	0.495138827	0.767197159
## ASM_cooc.H.PET	-0.370389043	-0.137060043
## Contrast_cooc.H.PET	0.387367841	0.852436531
## Dissimilarity_cooc.H.PET	0.387452849	0.910415422
## Inv_diff_cooc.H.PET	-0.267612925	0.237586442
## Inv_diff_norm_cooc.H.PET	0.231555859	0.825191793
## IDM_cooc.H.PET	-0.364307796	0.103325400
## IDM_norm_cooc.H.PET	0.250523523	0.844686801
## Inv_var_cooc_.H.PET	0.407732005	0.580475053
## Correlation_cooc.H.PET	0.270911298	0.583508641
## Autocorrelation_cooc.H.PET	-0.002918763	0.604304346
## Tendency_cooc.H.PET	0.526761610	0.923765546
## Shade_cooc.H.PET	-0.227744790	-0.530761349
## Prominence_cooc.H.PET	0.611036598	0.838507606
## IC1_d.H.PET	0.047482750	-0.004523232
## IC2_d.H.PET	0.357264602	0.713104413
## Coarseness_vdif.H.PET	0.048580689	0.265236361
## Contrast_vdif.H.PET	-0.366616662	-0.084775345
## Busyness_vdif.H.PET	0.013373037	0.178788379
## Complexity_vdif.H.PET	0.157924216	0.561045893
## Strength_vdif.H.PET	-0.110838421	-0.128196530
## SRE_align.H.PET	0.397404700	0.936123375
## LRE_align.H.PET	-0.236920205	0.252592749
## RLNU_align.H.PET	0.414614161	0.439128687
## RP_align.H.PET	0.425344482	0.944362781
## LGRE_align.H.PET	0.107787005	0.327494259
## HGRE_align.H.PET	0.012038451	0.618132869
## LGSRE_align.H.PET	0.106649144	0.324938269
## HGSRE_align.H.PET	0.173793580	0.767291545
## LGHRE_align.H.PET	0.106918962	0.336731580
## HGLRE_align.H.PET	-0.344592764	0.024394012
## GLNU_norm_align.H.PET	-0.427474622	0.022019294
## RLNU_norm_align.H.PET	0.507813382	0.964728185
## GLVAR_align.H.PET	0.517972752	0.946325861
## RLVAR_align.H.PET	-0.418239603	-0.113749781
## Entropy_align.H.PET	0.563803968	0.980322304
## SZSE.H.PET	0.557768269	0.953878415

## LZSE.H.PET	-0.171766369	-0.196439097
## LGLZE.H.PET	0.111106104	0.330863076
## HGLZE.H.PET	0.064790295	0.634292724
## SZLGE.H.PET	0.106374182	0.322476381
## SZHGE.H.PET	0.374414357	0.796925496
## LZLGE.H.PET	-0.204465999	-0.180783517
## LZHGE.H.PET	-0.207288203	-0.231045066
## GLNU_area.H.PET	0.248163895	0.406602757
## ZSNU.H.PET	0.505720332	0.448417750
## ZSP.H.PET	0.693640296	0.909107007
## GLNU_norm.H.PET	-0.428577718	0.039126032
## ZSNU_norm.H.PET	0.677804026	0.929152976
## GLVAR_area.H.PET	0.512071437	0.934802596
## ZSVAR_H.PET	-0.196135857	-0.218082903
## Entropy_area.H.PET	0.413015234	0.929049103
## Max_cooc.W.PET	-0.295264403	-0.053478854
## Average_cooc.W.PET	0.858113960	0.859709228
## Variance_cooc.W.PET	1.000000000	0.628823674
## Entropy_cooc.W.PET	0.628823674	1.000000000
## DAVE_cooc.W.PET	0.847639838	0.868878024
## DVAR_cooc.W.PET	0.963509581	0.666966796
## DENT_cooc.W.PET	0.642303851	0.989876933
## SAVE_cooc.W.PET	0.858215165	0.859355800
## SVAR_cooc.W.PET	0.990760906	0.588270202
## SENT_cooc.W.PET	0.577543797	0.973708436
## ASM_cooc.W.PET	-0.203338595	0.035443704
## Contrast_cooc.W.PET	0.934826652	0.678512707
## Dissimilarity_cooc.W.PET	0.847639838	0.868878024
## Inv_diff_cooc.W.PET	-0.270688657	0.328000822
## Inv_diff_norm_cooc.W.PET	0.268850700	0.856763663
## IDM_cooc.W.PET	-0.377470050	0.153425581
## IDM_norm_cooc.W.PET	0.268253004	0.860645826
## Inv_var_cooc.W.PET	-0.337626914	0.245447382
## Correlation_cooc.W.PET	0.217105812	0.541267142
## Autocorrelation_cooc.W.PET	0.920219850	0.640789586
## Tendency_cooc.W.PET	0.990760906	0.588270202
## Shade_cooc.W.PET	0.748161070	0.236483134
## Prominence_cooc.W.PET	0.746239805	0.215683014
## IC1_d.W.PET	-0.097883843	-0.083440345
## IC2_d.W.PET	0.421403517	0.785343788
## Coarseness_vdif.W.PET	-0.075036654	0.176902180
## Contrast_vdif.W.PET	0.670325375	0.701423099
## Busyness_vdif.W.PET	-0.415392891	-0.084908973
## Complexity_vdif.W.PET	0.925747995	0.490895891
## Strength_vdif.W.PET	0.538937755	0.358035129
## SRE_align.W.PET	0.331767612	0.902880421
## LRE_align.W.PET	-0.045960901	0.546266958
## GLNU_align.W.PET	0.046681920	0.280125333
## RLNU_align.W.PET	0.375381129	0.421280194
## RP_align.W.PET	0.351065663	0.913021780
## LGRE_align.W.PET	-0.390984985	0.031776559
## HGRE_align.W.PET	0.920675560	0.646237970
## LGSRE_align.W.PET	-0.370676523	0.076442131
## HGSRE_align.W.PET	0.924573803	0.643229456

## LGHRE_align.W.PET	-0.427624235	-0.124361585
## HGLRE_align.W.PET	0.901451935	0.656226373
## GLNU_norm_align.W.PET	-0.384723826	0.039468492
## RLNU_norm_align.W.PET	0.410785785	0.941145149
## GLVAR_align.W.PET	0.994287395	0.637130821
## RLVAR_align.W.PET	-0.398429265	-0.060487125
## Entropy_align.W.PET	0.566714923	0.987964732
## SZSE.W.PET	0.435324437	0.929275981
## LZSE.W.PET	-0.340015793	-0.200441435
## LGLZE.W.PET	-0.396304049	0.052352235
## HGLZE.W.PET	0.932112954	0.649842647
## SZLGE.W.PET	-0.316165848	0.167215663
## SZHGE.W.PET	0.943105335	0.638628801
## LZLGE.W.PET	-0.265457418	-0.251645715
## LZHGE.W.PET	0.624334643	0.538995089
## GLNU_area.W.PET	0.136095723	0.343647479
## ZSNU.W.PET	0.440489684	0.438392530
## ZSP.W.PET	0.545517161	0.960446133
## GLNU_norm.W.PET	-0.387716357	0.054515703
## ZSNU_norm.W.PET	0.562971638	0.960609717
## GLVAR_area.W.PET	0.994151280	0.639086959
## ZSVAR.W.PET	-0.323013936	-0.253611289
## Entropy_area.W.PET	0.472490025	0.956988164
## Min_hist.ADC	0.046572226	0.209899840
## Max_hist.ADC	0.236998692	0.764396218
## Mean_hist.ADC	0.165232481	0.706147843
## Variance_hist.ADC	0.096755347	0.350558970
## Standard_Deviation_hist.ADC	0.181215864	0.602150949
## Skewness_hist.ADC	0.193605172	0.237607810
## Kurtosis_hist.ADC	0.179431741	0.295262486
## Energy_hist.ADC	0.036439560	0.278061281
## Entropy_hist.ADC	0.295586386	0.860375819
## AUC_hist.ADC	0.287965946	0.858314214
## Volume.ADC	0.264817040	0.421712454
## X3D_surface.ADC	0.196153250	0.466618844
## ratio_3ds_vol.ADC	0.060895700	0.448729161
## ratio_3ds_vol_norm.ADC	0.252843407	0.828924630
## irregularity.ADC	0.245658464	0.808038993
## Compactness_v1.ADC	0.122171801	0.506040010
##	DAVE_cooc.W.PET	DVAR_cooc.W.PET
## Failure	-0.06957525	-8.465391e-02
## Entropy_cooc.W.ADC	-0.02791894	-2.645512e-02
## GLNU_align.H.PET	-0.07793518	-6.853612e-02
## Min_hist.PET	0.90925325	8.163681e-01
## Max_hist.PET	0.90869773	8.626430e-01
## Mean_hist.PET	0.93870546	8.613735e-01
## Variance_hist.PET	0.84500566	9.569849e-01
## Standard_Deviation_hist.PET	0.96049299	9.237306e-01
## Skewness_hist.PET	0.17929289	8.102736e-02
## Kurtosis_hist.PET	-0.04313267	-5.922308e-02
## Energy_hist.PET	0.12827538	1.740409e-02
## Entropy_hist.PET	0.55558290	3.492829e-01
## AUC_hist.PET	0.53342539	2.791003e-01
## H_suv.PET	0.96203783	8.766764e-01

## Volume.PET	0.31531518	2.544688e-01	0.386928821
## X3D_surface.PET	0.19978062	1.587396e-01	0.256347376
## ratio_3ds_vol.PET	0.18408117	4.901686e-02	0.369234044
## ratio_3ds_vol_norm.PET	0.25543585	1.475976e-01	0.439404176
## irregularity.PET	0.48707344	2.412625e-01	0.777089286
## tumor_length.PET	0.40269519	2.788075e-01	0.570468589
## Compactness_v1.PET	0.26908498	1.384472e-01	0.431127508
## Compactness_v2.PET	0.27667982	2.236833e-01	0.311131860
## Spherical_disproportion.PET	0.25543585	1.475976e-01	0.439404176
## Sphericity.PET	0.27884374	2.194869e-01	0.314042095
## Asphericity.PET	0.24188137	1.404497e-01	0.419787475
## Center_of_mass.PET	0.32530138	3.581916e-01	0.393156904
## Max_3D_diam.PET	0.43690728	3.602207e-01	0.532627584
## Major_axis_length.PET	0.49004806	4.182527e-01	0.579161503
## Minor_axis_length.PET	0.45250214	2.991288e-01	0.643438408
## Least_axis_length.PET	0.43740372	3.158762e-01	0.584145982
## Elongation.PET	0.37070436	1.028667e-01	0.665702185
## Flatness.PET	0.37718249	1.280969e-01	0.644408964
## Max_cooc.L.PET	0.14510503	3.964570e-02	0.302597312
## Average_cooc.L.PET	0.47944219	2.395453e-01	0.680285471
## Variance_cooc.L.PET	0.34434708	1.423606e-01	0.506186068
## Entropy_cooc.L.PET	0.58727844	3.265396e-01	0.856533861
## DAVE_cooc.L.PET	0.47792854	2.298780e-01	0.658063494
## DVAR_cooc.L.PET	0.47177002	2.641670e-01	0.617934630
## DENT_cooc.L.PET	0.57264624	3.054347e-01	0.834964220
## SAVE_cooc.L.PET	0.47946854	2.395964e-01	0.680224182
## SVAR_cooc.L.PET	0.29185885	1.088684e-01	0.473017423
## SENT_cooc.L.PET	0.52348073	2.680351e-01	0.803979162
## ASM_cooc.L.PET	0.14326084	3.983700e-02	0.288658353
## Contrast_cooc.L.PET	0.38134129	1.763889e-01	0.490683267
## Dissimilarity_cooc.L.PET	0.47792854	2.298780e-01	0.658063494
## Inv_diff_cooc.L.PET	0.41620438	2.416964e-01	0.697086536
## Inv_diff_norm_cooc.L.PET	0.54160349	2.948784e-01	0.836348891
## IDM_cooc.L.PET	0.34828394	2.063872e-01	0.610888339
## IDM_norm_cooc.L.PET	0.54714940	2.955548e-01	0.840208541
## Inv_var_cooc.L.PET	0.35525377	2.128496e-01	0.616762887
## Correlation_cooc.L.PET	0.18301479	7.994437e-02	0.440995221
## Autocorrelation_cooc.L.PET	0.31550440	1.244833e-01	0.462762338
## Tendency_cooc.L.PET	0.29185885	1.088684e-01	0.473017423
## Shade_cooc.L.PET	0.14262457	1.181047e-01	0.232118661
## Prominence_cooc.L.PET	0.14298910	2.228847e-02	0.279978917
## IC1_.L.PET	-0.05449026	2.074934e-02	-0.171008491
## IC2_.L.PET	0.41870637	1.989905e-01	0.685101658
## Coarseness_vdif_.L.PET	0.10097794	-1.845311e-02	0.262512706
## Contrast_vdif_.L.PET	0.08606930	-2.098725e-02	0.159532520
## Busyness_vdif_.L.PET	0.28314317	2.219334e-01	0.374264786
## Complexity_vdif_.L.PET	0.46969299	2.373400e-01	0.639790912
## Strength_vdif_.L.PET	-0.01309492	-9.113028e-02	0.105983592
## SRE_align.L.PET	0.55549021	2.965869e-01	0.843386468
## LRE_align.L.PET	0.54237262	2.960063e-01	0.837340344
## GLNU_align.L.PET	0.24124672	2.032304e-01	0.317925028
## RLNU_align.L.PET	0.27521997	2.372329e-01	0.323921011
## RP_align.L.PET	0.55530541	2.956088e-01	0.842927670
## LGRE_align.L.PET	0.24780748	9.998392e-02	0.477117177

## HGRE_align.L.PET	0.35218941	1.508952e-01	0.497289745
## LGSRE_align.L.PET	0.25223564	1.015174e-01	0.481730074
## HGSRE_align.L.PET	0.35167640	1.501959e-01	0.495882479
## LGHRE_align.L.PET	0.22840335	9.330664e-02	0.455970140
## HGLRE_align.L.PET	0.35348609	1.534641e-01	0.501857205
## GLNU_norm_align.L.PET	0.25713148	1.014913e-01	0.488987514
## RLNU_norm_align.L.PET	0.55526596	2.932347e-01	0.841195709
## GLVAR_align.L.PET	0.36713729	1.531616e-01	0.535184727
## RLVAR_align.L.PET	0.27201877	1.542054e-01	0.492729836
## Entropy_align.L.PET	0.57947525	3.214974e-01	0.851825906
## SZSE.L.PET	0.55519545	3.010070e-01	0.828236870
## LZSE.L.PET	0.34144895	1.812951e-01	0.577485836
## LGLZE.L.PET	0.24994732	9.473361e-02	0.484857343
## HGLZE.L.PET	0.36314211	1.601552e-01	0.509335203
## SZLGE.L.PET	0.25926552	9.658897e-02	0.492825550
## SZHGE.L.PET	0.37020652	1.687302e-01	0.509867465
## LZLGE.L.PET	0.16817510	8.107960e-02	0.374931193
## LZHGE.L.PET	0.26294804	9.763855e-02	0.405015035
## GLNU_area.L.PET	0.24919625	2.086126e-01	0.322953367
## ZSNU.L.PET	0.28462631	2.428689e-01	0.329298889
## ZSP.L.PET	0.55601468	2.963177e-01	0.831357316
## GLNU_norm.L.PET	0.25728662	1.006350e-01	0.489348825
## ZSNU_norm.L.PET	0.55473833	2.890259e-01	0.832047891
## GLVAR_area.L.PET	0.38057898	1.653796e-01	0.548971033
## ZSVAR.L.PET	0.20029269	1.441344e-01	0.374781720
## Entropy_area.L.PET	0.58001785	3.256920e-01	0.854494687
## Max_cooc.H.PET	-0.38476408	-4.241092e-01	-0.148657734
## Average_cooc.H.PET	0.39629468	1.452380e-01	0.722240212
## Variance_cooc.H.PET	0.77637481	5.466928e-01	0.928892486
## Entropy_cooc.H.PET	0.73955823	5.410262e-01	0.894971972
## DAVE_cooc.H.PET	0.75614554	4.878046e-01	0.925138476
## DVAR_cooc.H.PET	0.69416446	4.467932e-01	0.858407382
## DENT_cooc.H.PET	0.59776666	3.630611e-01	0.787442376
## SAVE_cooc.H.PET	0.46920686	2.124327e-01	0.779097400
## SVAR_cooc.H.PET	0.64910200	4.367029e-01	0.838626246
## SENT_cooc.H.PET	0.68263315	5.096250e-01	0.778669844
## ASM_cooc.H.PET	-0.34827188	-3.828305e-01	-0.138495601
## Contrast_cooc.H.PET	0.76642632	5.170347e-01	0.877574821
## Dissimilarity_cooc.H.PET	0.75614554	4.878046e-01	0.925138476
## Inv_diff_cooc.H.PET	-0.15050015	-2.931168e-01	0.200750406
## Inv_diff_norm_cooc.H.PET	0.50015356	2.522605e-01	0.804796711
## IDM_cooc.H.PET	-0.27483944	-3.929359e-01	0.066862493
## IDM_norm_cooc.H.PET	0.52803317	2.755208e-01	0.826285610
## Inv_var_cooc.H.PET	0.48091623	3.847189e-01	0.589681478
## Correlation_cooc.H.PET	0.25167503	1.455762e-01	0.493895869
## Autocorrelation_cooc.H.PET	0.24505084	1.509163e-02	0.589558192
## Tendency_cooc.H.PET	0.71235396	5.138575e-01	0.873568853
## Shade_cooc.H.PET	-0.39739411	-2.398533e-01	-0.481048872
## Prominence_cooc.H.PET	0.72489285	5.854158e-01	0.781715567
## IC1_d.H.PET	0.20132143	1.612988e-01	0.085952991
## IC2_d.H.PET	0.40514075	2.697574e-01	0.644943160
## Coarseness_vdif.H.PET	0.15311590	4.997607e-02	0.287554949
## Contrast_vdif.H.PET	-0.29586803	-3.631422e-01	-0.097990109
## Busyness_vdif.H.PET	0.07076308	1.382111e-02	0.144141986

## Complexity_vdif.H.PET	0.44109655	2.300633e-01	0.595162006
## Strength_vdif.H.PET	-0.11698486	-1.049033e-01	-0.096456074
## SRE_align.H.PET	0.70154144	4.444209e-01	0.934480141
## LRE_align.H.PET	-0.11652037	-2.541928e-01	0.205239186
## RLNU_align.H.PET	0.35489788	3.281665e-01	0.371009345
## RP_align.H.PET	0.73028284	4.762676e-01	0.946862969
## LGRE_align.H.PET	0.21127009	1.090074e-01	0.339928397
## HGRE_align.H.PET	0.26888555	3.890902e-02	0.605729817
## LGSRE_align.H.PET	0.20995776	1.081649e-01	0.337808376
## HGSRE_align.H.PET	0.47108179	2.185639e-01	0.771323308
## LGHRE_align.H.PET	0.21043840	1.057733e-01	0.345961577
## HGLRE_align.H.PET	-0.28740933	-3.639669e-01	-0.019552923
## GLNU_norm_align.H.PET	-0.30354109	-4.268280e-01	0.018602935
## RLNU_norm_align.H.PET	0.81127788	5.686228e-01	0.976871549
## GLVAR_align.H.PET	0.77500843	5.544529e-01	0.914631828
## RLVAR_align.H.PET	-0.41852320	-4.581727e-01	-0.169994805
## Entropy_align.H.PET	0.78500517	5.830864e-01	0.950989808
## SZSE.H.PET	0.83638098	6.162297e-01	0.967332687
## LZSE.H.PET	-0.22971500	-1.824991e-01	-0.216153302
## LGLZE.H.PET	0.21526755	1.131027e-01	0.342878831
## HGLZE.H.PET	0.31016924	8.547605e-02	0.622553975
## SZLGE.H.PET	0.20962371	1.088679e-01	0.335852783
## SZHGE.H.PET	0.64604925	4.344658e-01	0.829914991
## LZLGE.H.PET	-0.26120016	-2.230668e-01	-0.209488704
## LZHGE.H.PET	-0.27515953	-2.208874e-01	-0.251352394
## GLNU_area.H.PET	0.24753201	1.722587e-01	0.335576332
## ZSNU.H.PET	0.43120084	4.313938e-01	0.393021318
## ZSP.H.PET	0.93864220	7.683241e-01	0.942819294
## GLNU_norm.H.PET	-0.30065381	-4.307695e-01	0.025410060
## ZSNU_norm.H.PET	0.92511998	7.486913e-01	0.958365215
## GLVAR_area.H.PET	0.77120922	5.533411e-01	0.902844034
## ZSVAR.H.PET	-0.26144891	-2.092816e-01	-0.239737679
## Entropy_area.H.PET	0.65046008	4.243660e-01	0.891225168
## Max_cooc.W.PET	-0.24693124	-3.002115e-01	-0.040204862
## Average_cooc.W.PET	0.93462989	8.790563e-01	0.850511013
## Variance_cooc.W.PET	0.84763984	9.635096e-01	0.642303851
## Entropy_cooc.W.PET	0.86887802	6.669668e-01	0.989876933
## DAVE_cooc.W.PET	1.00000000	9.194856e-01	0.900677236
## DVAR_cooc.W.PET	0.91948562	1.000000e+00	0.700314780
## DENT_cooc.W.PET	0.90067724	7.003148e-01	1.000000000
## SAVE_cooc.W.PET	0.93454768	8.791687e-01	0.850125696
## SVAR_cooc.W.PET	0.78325830	9.195414e-01	0.591711732
## SENT_cooc.W.PET	0.80977449	6.005166e-01	0.965630416
## ASM_cooc.W.PET	-0.14535052	-2.117540e-01	0.044809033
## Contrast_cooc.W.PET	0.94033258	9.925318e-01	0.717055176
## Dissimilarity_cooc.W.PET	1.00000000	9.194856e-01	0.900677236
## Inv_diff_cooc.W.PET	-0.09203191	-2.836713e-01	0.290210553
## Inv_diff_norm_cooc.W.PET	0.53546868	2.885582e-01	0.832095360
## IDM_cooc.W.PET	-0.25150912	-4.001204e-01	0.113706051
## IDM_norm_cooc.W.PET	0.54565954	2.937215e-01	0.839366264
## Inv_var_cooc.W.PET	-0.18175063	-3.592065e-01	0.202775515
## Correlation_cooc.W.PET	0.19678466	9.368170e-02	0.450824126
## Autocorrelation_cooc.W.PET	0.82057269	8.993904e-01	0.630140821
## Tendency_cooc.W.PET	0.78325830	9.195414e-01	0.591711732

## Shade_cooc.W.PET	0.38056134	6.130260e-01	0.239285025
## Prominence_cooc.W.PET	0.36661722	6.112985e-01	0.211471993
## IC1_d.W.PET	0.03720693	-1.141595e-02	-0.019416837
## IC2_d.W.PET	0.53224601	3.805030e-01	0.745232424
## Coarseness_vdif.W.PET	0.05462490	-5.982728e-02	0.215794116
## Contrast_vdif.W.PET	0.88292387	7.797641e-01	0.775062714
## Busyness_vdif.W.PET	-0.38354871	-4.540397e-01	-0.142168801
## Complexity_vdif.W.PET	0.67227529	8.533052e-01	0.484765359
## Strength_vdif.W.PET	0.51251257	5.345449e-01	0.430702125
## SRE_align.W.PET	0.63024542	3.716521e-01	0.894080644
## LRE_align.W.PET	0.16204475	-4.319629e-02	0.505715597
## GLNU_align.W.PET	0.04080731	-3.521412e-02	0.196437532
## RLNU_align.W.PET	0.31690920	2.854226e-01	0.349256669
## RP_align.W.PET	0.65137311	3.930842e-01	0.906497574
## LGRE_align.W.PET	-0.26593395	-3.912341e-01	0.046312656
## HGRE_align.W.PET	0.82807593	9.064051e-01	0.636361230
## LGSRE_align.W.PET	-0.22649186	-3.676936e-01	0.093912525
## HGSRE_align.W.PET	0.83061561	9.114307e-01	0.635119097
## LGHRE_align.W.PET	-0.37836530	-4.380792e-01	-0.121749363
## HGLRE_align.W.PET	0.81365167	8.822043e-01	0.638528731
## GLNU_norm_align.W.PET	-0.26208933	-3.824764e-01	0.043390369
## RLNU_norm_align.W.PET	0.71421867	4.589590e-01	0.940670799
## GLVAR_align.W.PET	0.84366077	9.562782e-01	0.642195863
## RLVAR_align.W.PET	-0.37845267	-4.358280e-01	-0.111256562
## Entropy_align.W.PET	0.79907882	5.912893e-01	0.963044367
## SZSE.W.PET	0.72705456	4.844635e-01	0.933212680
## LZSE.W.PET	-0.37414396	-3.617348e-01	-0.233970879
## LGLZE.W.PET	-0.26245398	-3.955398e-01	0.059399469
## HGLZE.W.PET	0.83437383	9.162686e-01	0.641961490
## SZLGE.W.PET	-0.14032951	-3.030944e-01	0.182584460
## SZHGE.W.PET	0.83895261	9.293687e-01	0.636172030
## LZLGE.W.PET	-0.32171461	-2.777869e-01	-0.259130020
## LZHGE.W.PET	0.54925026	5.822546e-01	0.486356626
## GLNU_area.W.PET	0.13557768	5.664591e-02	0.264830813
## ZSNU.W.PET	0.37543268	3.570981e-01	0.374742887
## ZSP.W.PET	0.83279224	6.037635e-01	0.974552672
## GLNU_norm.W.PET	-0.26086008	-3.864846e-01	0.052028590
## ZSNU_norm.W.PET	0.84607295	6.244008e-01	0.978820140
## GLVAR_area.W.PET	0.84335012	9.556603e-01	0.644320176
## ZSVAR.W.PET	-0.38003405	-3.432504e-01	-0.281783498
## Entropy_area.W.PET	0.71072573	4.899410e-01	0.923732286
## Min_hist.ADC	0.13223588	7.242429e-02	0.221007798
## Max_hist.ADC	0.47273462	2.603007e-01	0.745025990
## Mean_hist.ADC	0.43281845	2.141125e-01	0.708510368
## Variance_hist.ADC	0.17658101	9.163693e-02	0.336011786
## Standard_Deviation_hist.ADC	0.35433948	1.921829e-01	0.585883228
## Skewness_hist.ADC	0.16834360	1.509215e-01	0.204177635
## Kurtosis_hist.ADC	0.21639861	1.585644e-01	0.283719680
## Energy_hist.ADC	0.14613860	3.797284e-02	0.292960932
## Entropy_hist.ADC	0.56122727	3.154909e-01	0.835177229
## AUC_hist.ADC	0.56263333	3.151242e-01	0.838240350
## Volume.ADC	0.29447651	2.343439e-01	0.367564675
## X3D_surface.ADC	0.29157321	1.767590e-01	0.426746253
## ratio_3ds_vol.ADC	0.27212073	1.112523e-01	0.465857069

## ratio_3ds_vol_norm.ADC	0.52835738	2.802253e-01	0.810921088
## irregularity.ADC	0.53237028	2.918271e-01	0.800447767
## Compactness_v1.ADC	0.30376740	1.345652e-01	0.512134020
##	SAVE_cooc.W.PET	SVAR_cooc.W.PET	SENT_cooc.W.PET
## Failure	-0.0977078081	-0.1189942599	-0.0463813518
## Entropy_cooc.W.ADC	0.0501635824	0.0683620273	0.0630475401
## GLNU_align.H.PET	-0.0091945906	0.0185640381	0.0005699544
## Min_hist.PET	0.8908587818	0.7247756801	0.7624812494
## Max_hist.PET	0.9456735367	0.8381773860	0.8011832086
## Mean_hist.PET	0.9583938560	0.7813159179	0.7836030224
## Variance_hist.PET	0.8837259311	0.9861840585	0.5773955851
## Standard_Deviation_hist.PET	0.9711337392	0.8857419848	0.8163006511
## Skewness_hist.PET	0.0342657144	0.0808225378	0.4316389112
## Kurtosis_hist.PET	-0.0931718184	-0.0421144684	0.0904411825
## Energy_hist.PET	0.0685442186	0.0068851957	0.3793355499
## Entropy_hist.PET	0.5938452934	0.3246399709	0.8444871157
## AUC_hist.PET	0.5057197299	0.2277946531	0.8906182958
## H_suv.PET	0.9104744219	0.7463320234	0.8122168968
## Volume.PET	0.4274436606	0.2928375888	0.3600032317
## X3D_surface.PET	0.3164326021	0.2907448901	0.3313285011
## ratio_3ds_vol.PET	0.0493182971	0.0094451191	0.4810826832
## ratio_3ds_vol_norm.PET	0.2510197829	0.2270872828	0.6091902426
## irregularity.PET	0.4277729117	0.1722205877	0.8283392195
## tumor_length.PET	0.5155361176	0.3796382076	0.6662478942
## Compactness_v1.PET	0.2583316711	0.1190848047	0.4805711525
## Compactness_v2.PET	0.3466978781	0.1833521434	0.1570111690
## Spherical_disproportion.PET	0.2510197829	0.2270872828	0.6091902426
## Sphericity.PET	0.3300451456	0.1584697339	0.1548858428
## Asphericity.PET	0.2381908365	0.2233108100	0.5910235666
## Center_of_mass.PET	0.3968504204	0.5543593739	0.4740929890
## Max_3D_diam.PET	0.5824482742	0.4071809580	0.5036400330
## Major_axis_length.PET	0.6396524724	0.4699807821	0.5766913387
## Minor_axis_length.PET	0.5646769417	0.3608968459	0.6949375935
## Least_axis_length.PET	0.5748385543	0.4007570195	0.6200153344
## Elongation.PET	0.3101394304	0.0483063029	0.7460769834
## Flatness.PET	0.3587996996	0.1136957785	0.7183699877
## Max_cooc.L.PET	0.1054722955	0.0425300975	0.4145773387
## Average_cooc.L.PET	0.4723508413	0.1358562462	0.7109151218
## Variance_cooc.L.PET	0.2001192467	0.0312632983	0.5182481963
## Entropy_cooc.L.PET	0.5722082408	0.2561875192	0.8973866075
## DAVE_cooc.L.PET	0.3235550388	0.0615054125	0.6388848526
## DVAR_cooc.L.PET	0.2869636183	0.1116404951	0.5871036430
## DENT_cooc.L.PET	0.5012194883	0.2003923848	0.8607826071
## SAVE_cooc.L.PET	0.4724162337	0.1358606061	0.7107297172
## SVAR_cooc.L.PET	0.1916382380	0.0554823880	0.5223725539
## SENT_cooc.L.PET	0.4848213980	0.2119816866	0.8860855849
## ASM_cooc.L.PET	0.1075112574	0.0436623725	0.4002523690
## Contrast_cooc.L.PET	0.1866350390	-0.0114194884	0.4418605199
## Dissimilarity_cooc.L.PET	0.3235550388	0.0615054125	0.6388848526
## Inv_diff_cooc.L.PET	0.4731329058	0.2881159583	0.8001485088
## Inv_diff_norm_cooc.L.PET	0.5367932058	0.2569016786	0.9002584413
## IDM_cooc.L.PET	0.4128779755	0.2760904725	0.7248066837
## IDM_norm_cooc.L.PET	0.5342859149	0.2488505590	0.9002820658
## Inv_var_cooc.L.PET	0.4212117632	0.2821194738	0.7297706810

## Correlation_cooc.L.PET	0.3302057639	0.2586762066	0.6040348396
## Autocorrelation_cooc.L.PET	0.3275652649	0.0395433311	0.5015156023
## Tendency_cooc.L.PET	0.1916382380	0.0554823880	0.5223725539
## Shade_cooc.L.PET	-0.0172261999	0.1326524534	0.2659872416
## Prominence_cooc.L.PET	0.0096174855	-0.0121936551	0.3313247136
## IC1_.L.PET	0.0384647817	0.0396446651	-0.1980924060
## IC2_.L.PET	0.3490362888	0.1560031619	0.7672628758
## Coarseness_vdif_.L.PET	0.0266103582	-0.0399338705	0.3683363078
## Contrast_vdif_.L.PET	-0.0500880156	-0.1078809651	0.1268867382
## Busyness_vdif_.L.PET	0.3733958517	0.3267287965	0.3841289008
## Complexity_vdif_.L.PET	0.2818611614	0.0642637032	0.6186541238
## Strength_vdif_.L.PET	-0.1688214889	-0.1368642252	0.1305194231
## SRE_align.L.PET	0.5240428516	0.2328648857	0.8955452051
## LRE_align.L.PET	0.5374069259	0.2595929790	0.9005799855
## GLNU_align.L.PET	0.3800033393	0.3371332446	0.3539628976
## RLNU_align.L.PET	0.4339508183	0.3597159250	0.3457705665
## RP_align.L.PET	0.5222657953	0.2301886491	0.8945341973
## LGRE_align.L.PET	0.1324079963	0.1138936219	0.5533928315
## HGRE_align.L.PET	0.3466673917	0.0452996705	0.5223725862
## LGSRE_align.L.PET	0.1355483264	0.1123646815	0.5581309204
## HGSRE_align.L.PET	0.3417428608	0.0426983226	0.5195885211
## LGHRE_align.L.PET	0.1194855291	0.1200297698	0.5318897397
## HGLRE_align.L.PET	0.3660227458	0.0560915687	0.5325001376
## GLNU_norm_align.L.PET	0.1989240369	0.0962602044	0.5928512228
## RLNU_norm_align.L.PET	0.5165033477	0.2220894771	0.8907840829
## GLVAR_align.L.PET	0.2568057164	0.0436584721	0.5523905548
## RLVAR_align.L.PET	0.3274360331	0.2305850594	0.6257940830
## Entropy_align.L.PET	0.5736061061	0.2598395680	0.8998166005
## SZSE.L.PET	0.5138634988	0.2298047241	0.8715079408
## LZSE.L.PET	0.3856980055	0.2031830750	0.6545793378
## LGLZE.L.PET	0.1379659977	0.1068606876	0.5634320974
## HGLZE.L.PET	0.3518144686	0.0525696246	0.5326094625
## SZLGE.L.PET	0.1453878292	0.1008705698	0.5698946875
## SZHGE.L.PET	0.3435567932	0.0553393816	0.5254508308
## LZLGE.L.PET	0.0883940907	0.1442316589	0.4519722516
## LZHGE.L.PET	0.3191678440	0.0416554205	0.4550076752
## GLNU_area.L.PET	0.3875912791	0.3384818059	0.3550085914
## ZSNU.L.PET	0.4397187887	0.3561405097	0.3437405008
## ZSP.L.PET	0.5083786808	0.2178775837	0.8727490606
## GLNU_norm.L.PET	0.2003905897	0.0952653708	0.5937914388
## ZSNU_norm.L.PET	0.5008721701	0.2038890886	0.8723157984
## GLVAR_area.L.PET	0.2687036092	0.0539602036	0.5657139494
## ZSVAR.L.PET	0.3066828754	0.2601521547	0.4825806141
## Entropy_area.L.PET	0.5815428041	0.2720080417	0.9059844691
## Max_cooc.H.PET	-0.4050029534	-0.3899139061	-0.0371109163
## Average_cooc.H.PET	0.3598710477	0.0939820571	0.7897963292
## Variance_cooc.H.PET	0.7926088159	0.4676819565	0.9374469330
## Entropy_cooc.H.PET	0.7036632097	0.4561645564	0.8733816197
## DAVE_cooc.H.PET	0.6728745238	0.3218703695	0.8955858810
## DVAR_cooc.H.PET	0.6326107955	0.2695639356	0.8342286424
## DENT_cooc.H.PET	0.5845752272	0.2969751095	0.7844107710
## SAVE_cooc.H.PET	0.4373603838	0.1576652952	0.8406663122
## SVAR_cooc.H.PET	0.7020506209	0.4102512722	0.8968849942
## SENT_cooc.H.PET	0.6384961208	0.4674469454	0.8653765627

## ASM_cooc.H.PET	-0.3550729325	-0.3491283302	-0.0225537807
## Contrast_cooc.H.PET	0.6678499403	0.3069050059	0.8212546702
## Dissimilarity_cooc.H.PET	0.6728745238	0.3218703695	0.8955858810
## Inv_diff_cooc.H.PET	-0.1270822651	-0.2427377244	0.3475476199
## Inv_diff_norm_cooc.H.PET	0.4848507876	0.2140430547	0.8734756703
## IDM_cooc.H.PET	-0.2500074314	-0.3344502656	0.2187640134
## IDM_norm_cooc.H.PET	0.5083966673	0.2299787878	0.8884368773
## Inv_var_cooc_.H.PET	0.4579691760	0.4077697045	0.6763094461
## Correlation_cooc.H.PET	0.4091508386	0.3242669501	0.6483762922
## Autocorrelation_cooc.H.PET	0.2165447316	-0.0109465971	0.6763937566
## Tendency_cooc.H.PET	0.7891607866	0.5127338983	0.9163857987
## Shade_cooc.H.PET	-0.5246098197	-0.2076111235	-0.5128242006
## Prominence_cooc.H.PET	0.8523964742	0.5996093959	0.8000724157
## IC1_d.H.PET	0.0530631288	-0.0115606299	-0.0292621950
## IC2_d.H.PET	0.5111209067	0.3896378047	0.7782713199
## Coarseness_vdif.H.PET	0.1064721152	0.0454850165	0.3936874878
## Contrast_vdif.H.PET	-0.2933944583	-0.3567890951	-0.0165985637
## Busyness_vdif.H.PET	0.1012894226	0.0155591994	0.0724807184
## Complexity_vdif.H.PET	0.3345729684	0.1123632079	0.6820632011
## Strength_vdif.H.PET	-0.1475951341	-0.1099208421	-0.0955244668
## SRE_align.H.PET	0.6560406729	0.3600089092	0.9533115875
## LRE_align.H.PET	-0.0790538672	-0.2182390345	0.3399161357
## RLNU_align.H.PET	0.5093424174	0.4426015706	0.3737147007
## RP_align.H.PET	0.6792196885	0.3848604326	0.9573726938
## LGRE_align.H.PET	0.1909760048	0.1038670553	0.4446557489
## HGRE_align.H.PET	0.2341126597	-0.0001943203	0.6819050086
## LGSRE_align.H.PET	0.1887855760	0.1026091916	0.4421680520
## HGSRE_align.H.PET	0.4046526401	0.1467770691	0.8093367118
## LGHRE_align.H.PET	0.1956724568	0.1042784140	0.4546848828
## HGLRE_align.H.PET	-0.2426662406	-0.3214366689	0.1139793626
## GLNU_norm_align.H.PET	-0.3436271145	-0.4108034246	0.1378413031
## RLNU_norm_align.H.PET	0.7473714824	0.4591522643	0.9632978286
## GLVAR_align.H.PET	0.8150682505	0.4797804690	0.9212783202
## RLVAR_align.H.PET	-0.3553630425	-0.3818795319	-0.0164616090
## Entropy_align.H.PET	0.8123880563	0.5354380135	0.9703319945
## SZSE.H.PET	0.7751609962	0.5095931010	0.9444193756
## LZSE.H.PET	-0.2085052780	-0.1600266483	-0.1598368753
## LGLZE.H.PET	0.1980007787	0.1067890842	0.4475336953
## HGLZE.H.PET	0.2532995474	0.0535909800	0.6871897067
## SZLGE.H.PET	0.1889882020	0.1019848633	0.4397511920
## SZHGE.H.PET	0.5247306684	0.3343911292	0.8081339692
## LZLGE.H.PET	-0.2257556463	-0.1870788807	-0.1194529246
## LZHGE.H.PET	-0.2450530550	-0.1926825124	-0.1878672017
## GLNU_area.H.PET	0.3731232345	0.2762087613	0.3513369287
## ZSNU.H.PET	0.5744044648	0.5249179358	0.3676579442
## ZSP.H.PET	0.8544900707	0.6316246522	0.8646610399
## GLNU_norm.H.PET	-0.3274149155	-0.4115620455	0.1575096560
## ZSNU_norm.H.PET	0.8472076081	0.6193592782	0.9017773095
## GLVAR_area.H.PET	0.8105000144	0.4715217461	0.9072628110
## ZSVAR_H.PET	-0.2340149522	-0.1819741643	-0.1764399299
## Entropy_area.H.PET	0.6817308072	0.3939624524	0.9360813641
## Max_cooc.W.PET	-0.2753543880	-0.2799635011	0.0705435570
## Average_cooc.W.PET	0.9999979167	0.8192840515	0.7905546563
## Variance_cooc.W.PET	0.8582151647	0.9907609061	0.5775437970

## Entropy_cooc.W.PET	0.8593558004	0.5882702017	0.9737084361
## DAVE_cooc.W.PET	0.9345476819	0.7832582963	0.8097744892
## DVAR_cooc.W.PET	0.8791686569	0.9195414057	0.6005166271
## DENT_cooc.W.PET	0.8501256958	0.5917117321	0.9656304162
## SAVE_cooc.W.PET	1.0000000000	0.8193769487	0.7899281312
## SVAR_cooc.W.PET	0.8193769487	1.0000000000	0.5456405495
## SENT_cooc.W.PET	0.7899281312	0.5456405495	1.0000000000
## ASM_cooc.W.PET	-0.1673257228	-0.1908864113	0.1680680337
## Contrast_cooc.W.PET	0.8831253364	0.8780306909	0.6090050513
## Dissimilarity_cooc.W.PET	0.9345476819	0.7832582963	0.8097744892
## Inv_diff_cooc.W.PET	-0.0763060242	-0.2531707552	0.4310565952
## Inv_diff_norm_cooc.W.PET	0.5305218562	0.2509975041	0.8968616465
## IDM_cooc.W.PET	-0.2266872913	-0.3509968125	0.2656455835
## IDM_norm_cooc.W.PET	0.5325666609	0.2470695478	0.8995015948
## Inv_var_cooc.W.PET	-0.1581237311	-0.3133517531	0.3555540660
## Correlation_cooc.W.PET	0.3436742938	0.2714600576	0.6121127431
## Autocorrelation_cooc.W.PET	0.9316037674	0.9033450893	0.5615967879
## Tendency_cooc.W.PET	0.8193769487	1.0000000000	0.5456405495
## Shade_cooc.W.PET	0.3808371295	0.8060088152	0.2395881929
## Prominence_cooc.W.PET	0.4099500579	0.8043381963	0.2054339623
## IC1_d.W.PET	-0.0598193843	-0.1382694382	-0.1015893425
## IC2_d.W.PET	0.5727055597	0.4281863783	0.8560948813
## Coarseness_vdif.W.PET	-0.0231486284	-0.0821448355	0.3094440060
## Contrast_vdif.W.PET	0.7195278781	0.5884941830	0.6912553014
## Busyness_vdif.W.PET	-0.3441346515	-0.3822489661	-0.0523734532
## Complexity_vdif.W.PET	0.7411230091	0.9436489326	0.4398738233
## Strength_vdif.W.PET	0.3635709736	0.5238428709	0.4187178160
## SRE_align.W.PET	0.5942868084	0.3005000005	0.9315012224
## LRE_align.W.PET	0.1788325654	-0.0443934470	0.6229411066
## GLNU_align.W.PET	0.1704862658	0.0855547858	0.2605459090
## RLNU_align.W.PET	0.4736101477	0.4064161908	0.3622659560
## RP_align.W.PET	0.6123366814	0.3179707613	0.9386496848
## LGRE_align.W.PET	-0.3528287611	-0.3750837675	0.1516778810
## HGRE_align.W.PET	0.9327855854	0.9011508830	0.5623576834
## LGSRE_align.W.PET	-0.3230234015	-0.3573323345	0.1973732584
## HGSRE_align.W.PET	0.9308828926	0.9044213900	0.5592809809
## LGHRE_align.W.PET	-0.4255438199	-0.4047938651	-0.0156214489
## HGLRE_align.W.PET	0.9374133858	0.8848441118	0.5732787789
## GLNU_norm_align.W.PET	-0.3078742765	-0.3703539507	0.1635516365
## RLNU_norm_align.W.PET	0.6666231601	0.3723421915	0.9573884818
## GLVAR_align.W.PET	0.8836654770	0.9861484224	0.5767281663
## RLVAR_align.W.PET	-0.3227738272	-0.3640262415	0.0509774032
## Entropy_align.W.PET	0.8163792493	0.5353825150	0.9747337820
## SZSE.W.PET	0.6762197621	0.3960602636	0.9389847781
## LZSE.W.PET	-0.3305892917	-0.3160269670	-0.1244615931
## LGLZE.W.PET	-0.3406694899	-0.3811428912	0.1754682928
## HGLZE.W.PET	0.9319926460	0.9134301705	0.5674971372
## SZLGE.W.PET	-0.2390893727	-0.3099202703	0.2891356788
## SZHGE.W.PET	0.9228893971	0.9232740478	0.5563273098
## LZLGE.W.PET	-0.3106476370	-0.2484647052	-0.1982566884
## LZHGE.W.PET	0.7334571658	0.6274765053	0.5004231376
## GLNU_area.W.PET	0.2633949154	0.1702784864	0.3077467712
## ZSNU.W.PET	0.5247399864	0.4661301183	0.3680735075
## ZSP.W.PET	0.7700692992	0.4973795096	0.9477788607

## GLNU_norm.W.PET	-0.3001370616	-0.3730851840	0.1819999223
## ZSNU_norm.W.PET	0.7798108482	0.5133849361	0.9492929065
## GLVAR_area.W.PET	0.8826574329	0.9864463812	0.5804892205
## ZSVAR.W.PET	-0.3403126408	-0.3003056233	-0.1861562903
## Entropy_area.W.PET	0.7351030201	0.4480337297	0.9586346937
## Min_hist.ADC	0.1380225919	0.0347482891	0.2246179395
## Max_hist.ADC	0.4657615063	0.2218911124	0.7808332792
## Mean_hist.ADC	0.3876243488	0.1410913064	0.7357510293
## Variance_hist.ADC	0.1809063753	0.1004821259	0.3746895416
## Standard_Deviation_hist.ADC	0.3454797644	0.1734213415	0.6327455611
## Skewness_hist.ADC	0.2528356925	0.2067591824	0.2361720536
## Kurtosis_hist.ADC	0.2260395071	0.1855030040	0.3176569312
## Energy_hist.ADC	0.1075148002	0.0339292214	0.4043023172
## Entropy_hist.ADC	0.5579463752	0.2757577704	0.8853497170
## AUC_hist.ADC	0.5529387216	0.2647370989	0.8912470221
## Volume.ADC	0.4027297438	0.2723895679	0.3391088589
## X3D_surface.ADC	0.3450915105	0.2012241216	0.4394285781
## ratio_3ds_vol.ADC	0.1990731095	0.0336184473	0.5197961272
## ratio_3ds_vol_norm.ADC	0.5052974678	0.2317456653	0.8560130487
## irregularity.ADC	0.4926707214	0.2145971608	0.8483055538
## Compactness_v1.ADC	0.2679254728	0.1111654147	0.6170838830
##	ASM_cooc.W.PET	Contrast_cooc.W.PET	
## Failure	0.1084872177	-0.076382713	
## Entropy_cooc.W.ADC	-0.0578805994	-0.042247588	
## GLNU_align.H.PET	0.0141228122	-0.081244965	
## Min_hist.PET	-0.1502480995	0.836399684	
## Max_hist.PET	-0.1533299702	0.853366018	
## Mean_hist.PET	-0.1702836274	0.875184963	
## Variance_hist.PET	-0.2130899354	0.928054458	
## Standard_Deviation_hist.PET	-0.1508436058	0.918616261	
## Skewness_hist.PET	0.3477435852	0.058335607	
## Kurtosis_hist.PET	0.1877843807	-0.082014169	
## Energy_hist.PET	0.8229451630	0.019375875	
## Entropy_hist.PET	0.1812848362	0.347501271	
## AUC_hist.PET	0.4242228403	0.285524990	
## H_suv.PET	-0.0635453417	0.895171553	
## Volume.PET	-0.2017191438	0.241258919	
## X3D_surface.PET	-0.0038648484	0.140553391	
## ratio_3ds_vol.PET	0.6488531868	0.055342139	
## ratio_3ds_vol_norm.PET	0.5258644325	0.129659202	
## irregularity.PET	0.4498120926	0.251405746	
## tumor_length.PET	0.1895024731	0.257680446	
## Compactness_v1.PET	0.7216464361	0.136465024	
## Compactness_v2.PET	-0.2528466833	0.220752778	
## Spherical_disproportion.PET	0.5258644325	0.129659202	
## Sphericity.PET	-0.3613682935	0.221566521	
## Asphericity.PET	0.5239794193	0.121887768	
## Center_of_mass.PET	0.0674342552	0.298468828	
## Max_3D_diam.PET	-0.2108744777	0.339236669	
## Major_axis_length.PET	-0.1094121490	0.395367827	
## Minor_axis_length.PET	0.0156230119	0.282850082	
## Least_axis_length.PET	-0.1011475961	0.297661992	
## Elongation.PET	0.3937962780	0.122946746	
## Flatness.PET	0.2718616283	0.143935587	

## Max_cooc.L.PET	0.8359441176	0.035362319
## Average_cooc.L.PET	0.3058298443	0.274117575
## Variance_cooc.L.PET	0.3324641688	0.180069123
## Entropy_cooc.L.PET	0.2954145889	0.341611508
## DAVE_cooc.L.PET	0.3230363893	0.275276045
## DVAR_cooc.L.PET	0.3338646388	0.297923498
## DENT_cooc.L.PET	0.3579615199	0.328396437
## SAVE_cooc.L.PET	0.3049658192	0.274184915
## SVAR_cooc.L.PET	0.3427140880	0.135416010
## SENT_cooc.L.PET	0.4298202051	0.282031895
## ASM_cooc.L.PET	0.8094049126	0.037373517
## Contrast_cooc.L.PET	0.2712110139	0.226750824
## Dissimilarity_cooc.L.PET	0.3230363893	0.275276045
## Inv_diff_cooc.L.PET	0.4345244490	0.216645551
## Inv_diff_norm_cooc.L.PET	0.3830946454	0.297412973
## IDM_cooc.L.PET	0.4741159291	0.173710350
## IDM_norm_cooc.L.PET	0.3832810705	0.301052831
## Inv_var_cooc.L.PET	0.4746622728	0.180076856
## Correlation_cooc.L.PET	0.3015506330	0.041204948
## Autocorrelation_cooc.L.PET	0.2793963267	0.161774701
## Tendency_cooc.L.PET	0.3427140880	0.135416010
## Shade_cooc.L.PET	0.2263444732	0.103582193
## Prominence_cooc.L.PET	0.3319848970	0.041248086
## IC1_.L.PET	-0.1449541510	0.009627529
## IC2_.L.PET	0.5076788321	0.210149878
## Coarseness_vdif_.L.PET	0.8343141694	-0.010075310
## Contrast_vdif_.L.PET	0.2289298384	0.002663886
## Busyness_vdif_.L.PET	-0.1347246639	0.196491942
## Complexity_vdif_.L.PET	0.3614485927	0.276854326
## Strength_vdif_.L.PET	0.4641917355	-0.080715332
## SRE_align.L.PET	0.3923349847	0.307312792
## LRE_align.L.PET	0.3668053471	0.297889049
## GLNU_align.L.PET	-0.1300677720	0.172462705
## RLNU_align.L.PET	-0.1890715065	0.212996495
## RP_align.L.PET	0.3931364172	0.306886292
## LGRE_align.L.PET	0.5931588667	0.087279776
## HGRE_align.L.PET	0.2891130920	0.191200975
## LGSRE_align.L.PET	0.5989902834	0.089933954
## HGSRE_align.L.PET	0.2916395119	0.190973313
## LGHRE_align.L.PET	0.5675129170	0.075923854
## HGLRE_align.L.PET	0.2773814664	0.191678101
## GLNU_norm_align.L.PET	0.7704410694	0.093149899
## RLNU_norm_align.L.PET	0.3962971014	0.306421241
## GLVAR_align.L.PET	0.3166664736	0.192420316
## RLVAR_align.L.PET	0.6340602336	0.125558722
## Entropy_align.L.PET	0.3126040081	0.334700233
## SZSE.L.PET	0.4013863858	0.314328184
## LZSE.L.PET	0.2024591708	0.166869445
## LGLZE.L.PET	0.5937248602	0.083513184
## HGLZE.L.PET	0.2900281398	0.200294955
## SZLGE.L.PET	0.6132340150	0.088784422
## SZHGE.L.PET	0.2995268278	0.209795563
## LZLGE.L.PET	0.4608186369	0.049603640
## LZHGE.L.PET	0.1869680193	0.123362694

## GLNU_area.L.PET	-0.1357423360	0.179667942
## ZSNU.L.PET	-0.1961854902	0.221448972
## ZSP.L.PET	0.4033482801	0.311954420
## GLNU_norm.L.PET	0.7698036764	0.092732449
## ZSNU_norm.L.PET	0.4058645499	0.306806873
## GLVAR_area.L.PET	0.3214262649	0.204437481
## ZSVAR.L.PET	0.2082700101	0.100680992
## Entropy_area.L.PET	0.3056167292	0.336003418
## Max_cooc.H.PET	0.8232713018	-0.438104825
## Average_cooc.H.PET	0.4709474764	0.152932867
## Variance_cooc.H.PET	0.0672447877	0.565381026
## Entropy_cooc.H.PET	0.1090845598	0.549300709
## DAVE_cooc.H.PET	0.1279260393	0.524147273
## DVAR_cooc.H.PET	0.1901851571	0.482129159
## DENT_cooc.H.PET	0.0409729709	0.383306451
## SAVE_cooc.H.PET	0.3837335330	0.221434376
## SVAR_cooc.H.PET	0.1293284588	0.444673652
## SENT_cooc.H.PET	0.2904293283	0.522689210
## ASM_cooc.H.PET	0.9053094771	-0.393595712
## Contrast_cooc.H.PET	0.0954867799	0.563065913
## Dissimilarity_cooc.H.PET	0.1279260393	0.524147273
## Inv_diff_cooc.H.PET	0.7331002741	-0.309404911
## Inv_diff_norm_cooc.H.PET	0.4312706092	0.256173339
## IDM_cooc.H.PET	0.7470006688	-0.410478653
## IDM_norm_cooc.H.PET	0.4045647125	0.281395134
## Inv_var_cooc_.H.PET	0.6191620037	0.370103326
## Correlation_cooc.H.PET	0.2544168560	0.106646268
## Autocorrelation_cooc.H.PET	0.5580047403	0.017853630
## Tendency_cooc.H.PET	0.0458570438	0.516105930
## Shade_cooc.H.PET	0.0604694626	-0.259915963
## Prominence_cooc.H.PET	-0.1113647346	0.586181361
## IC1_d.H.PET	0.1584101110	0.197346237
## IC2_d.H.PET	0.2652851223	0.240165048
## Coarseness_vdif.H.PET	0.8296230682	0.051092768
## Contrast_vdif.H.PET	0.4909365879	-0.359931185
## Busyness_vdif.H.PET	-0.3381205517	0.006967940
## Complexity_vdif.H.PET	0.4642147861	0.262281157
## Strength_vdif.H.PET	0.5360240657	-0.103481855
## SRE_align.H.PET	0.2729725142	0.459307745
## LRE_align.H.PET	0.5860266197	-0.265049002
## RLNU_align.H.PET	-0.2015280577	0.304409771
## RP_align.H.PET	0.2544465360	0.492844165
## LGRE_align.H.PET	0.7788864331	0.107170395
## HGRE_align.H.PET	0.5670535063	0.042491665
## LGSRE_align.H.PET	0.7792383690	0.106448034
## HGSRE_align.H.PET	0.4449149353	0.228510958
## LGHRE_align.H.PET	0.7808556319	0.103031555
## HGLRE_align.H.PET	0.6346468894	-0.374737155
## GLNU_norm_align.H.PET	0.7815195372	-0.433497184
## RLNU_norm_align.H.PET	0.1762537693	0.589390388
## GLVAR_align.H.PET	0.0354072750	0.571362815
## RLVAR_align.H.PET	0.5353431821	-0.476343983
## Entropy_align.H.PET	0.1214921500	0.587353694
## SZSE.H.PET	0.1397900599	0.633646687

## LZSE.H.PET	0.1833939360	-0.187083218
## LGLZE.H.PET	0.7757253310	0.111235018
## HGLZE.H.PET	0.4634593480	0.087904077
## SZLGE.H.PET	0.7786126414	0.107113779
## SZHGE.H.PET	0.2470424392	0.445388259
## LZLGE.H.PET	0.2807466199	-0.231819708
## LZHGE.H.PET	0.3083966203	-0.226989176
## GLNU_area.H.PET	-0.1890372901	0.152696279
## ZSNU.H.PET	-0.2161251528	0.410401883
## ZSP.H.PET	-0.0448596774	0.793757404
## GLNU_norm.H.PET	0.7241465794	-0.435410150
## ZSNU_norm.H.PET	0.0219333872	0.769930198
## GLVAR_area.H.PET	0.0208895793	0.572174521
## ZSVAR.H.PET	0.2262998943	-0.215647292
## Entropy_area.H.PET	0.2147131603	0.425596969
## Max_cooc.W.PET	0.9569965146	-0.309745045
## Average_cooc.W.PET	-0.1656378001	0.883008858
## Variance_cooc.W.PET	-0.2033385947	0.934826652
## Entropy_cooc.W.PET	0.0354437042	0.678512707
## DAVE_cooc.W.PET	-0.1453505213	0.940332584
## DVAR_cooc.W.PET	-0.2117540009	0.992531758
## DENT_cooc.W.PET	0.0448090334	0.717055176
## SAVE_cooc.W.PET	-0.1673257228	0.883125336
## SVAR_cooc.W.PET	-0.1908864113	0.878030691
## SENT_cooc.W.PET	0.1680680337	0.609005051
## ASM_cooc.W.PET	1.0000000000	-0.218796637
## Contrast_cooc.W.PET	-0.2187966373	1.000000000
## Dissimilarity_cooc.W.PET	-0.1453505213	0.940332584
## Inv_diff_cooc.W.PET	0.6840129590	-0.292962056
## Inv_diff_norm_cooc.W.PET	0.3897985742	0.291041434
## IDM_cooc.W.PET	0.7184240620	-0.413618011
## IDM_norm_cooc.W.PET	0.3848722242	0.299220537
## Inv_var_cooc.W.PET	0.6690489386	-0.371619072
## Correlation_cooc.W.PET	0.2878994457	0.055035687
## Autocorrelation_cooc.W.PET	-0.2346643487	0.882214823
## Tendency_cooc.W.PET	-0.1908864113	0.878030691
## Shade_cooc.W.PET	-0.0726670747	0.529819000
## Prominence_cooc.W.PET	-0.0911094034	0.527447300
## IC1_d.W.PET	0.2413822748	0.016026824
## IC2_d.W.PET	0.3120889941	0.365508735
## Coarseness_vdif.W.PET	0.8115395278	-0.050785031
## Contrast_vdif.W.PET	0.0071328001	0.824382775
## Busyness_vdif.W.PET	0.2018447689	-0.464956670
## Complexity_vdif.W.PET	-0.1633311338	0.796162370
## Strength_vdif.W.PET	0.0402172217	0.530089539
## SRE_align.W.PET	0.3321541181	0.383471174
## LRE_align.W.PET	0.5639764457	-0.046449962
## GLNU_align.W.PET	-0.0952216482	-0.059148870
## RLNU_align.W.PET	-0.1932836229	0.260702746
## RP_align.W.PET	0.3164877857	0.405833756
## LGRE_align.W.PET	0.7213222385	-0.398224664
## HGRE_align.W.PET	-0.2411886678	0.889577675
## LGSRE_align.W.PET	0.7098597706	-0.373072847
## HGSRE_align.W.PET	-0.2423648441	0.894773077

## LGHRE_align.W.PET	0.7162179050	-0.449565573
## HGLRE_align.W.PET	-0.2355290714	0.864427062
## GLNU_norm_align.W.PET	0.8605662705	-0.388668260
## RLNU_norm_align.W.PET	0.2635129352	0.474241139
## GLVAR_align.W.PET	-0.2145670011	0.926757998
## RLVAR_align.W.PET	0.6675739848	-0.453357209
## Entropy_align.W.PET	0.1114593354	0.597771014
## SZSE.W.PET	0.2651139520	0.498738858
## LZSE.W.PET	0.5066281929	-0.372577287
## LGLZE.W.PET	0.7177580009	-0.401161494
## HGLZE.W.PET	-0.2404578505	0.897787455
## SZLGE.W.PET	0.7109441343	-0.304943107
## SZHGE.W.PET	-0.2404552690	0.910808856
## LZLGE.W.PET	0.4730740677	-0.286262070
## LZHGE.W.PET	-0.1207805901	0.560296010
## GLNU_area.W.PET	-0.1405898015	0.034561346
## ZSNU.W.PET	-0.2037476631	0.334121577
## ZSP.W.PET	0.1284935564	0.622393427
## GLNU_norm.W.PET	0.8364846525	-0.392099946
## ZSNU_norm.W.PET	0.1442658748	0.642076699
## GLVAR_area.W.PET	-0.2098370922	0.925490949
## ZSVAR.W.PET	0.4602439796	-0.353698717
## Entropy_area.W.PET	0.1828203598	0.493925880
## Min_hist.ADC	0.2745812795	0.073137085
## Max_hist.ADC	0.2953982682	0.254971845
## Mean_hist.ADC	0.3351749951	0.213264001
## Variance_hist.ADC	0.2357956922	0.078033370
## Standard_Deviation_hist.ADC	0.3001674616	0.185020978
## Skewness_hist.ADC	0.1138110429	0.141720112
## Kurtosis_hist.ADC	0.0539467741	0.147381639
## Energy_hist.ADC	0.8169112135	0.038505419
## Entropy_hist.ADC	0.2820047355	0.320659301
## AUC_hist.ADC	0.3767116480	0.322514828
## Volume.ADC	-0.1979033624	0.221554986
## X3D_surface.ADC	-0.0009875281	0.165257696
## ratio_3ds_vol.ADC	0.4902057914	0.126300291
## ratio_3ds_vol_norm.ADC	0.2857641006	0.285082327
## irregularity.ADC	0.4109536581	0.304497615
## Compactness_v1.ADC	0.7771571949	0.138905875
##	Dissimilarity_cooc.W.PET	Inv_diff_cooc.W.PET
## Failure	-0.06957525	0.062569725
## Entropy_cooc.W.ADC	-0.02791894	0.040589170
## GLNU_align.H.PET	-0.07793518	0.007156253
## Min_hist.PET	0.90925325	-0.063614859
## Max_hist.PET	0.90869773	-0.039472572
## Mean_hist.PET	0.93870546	-0.082059311
## Variance_hist.PET	0.84500566	-0.272399778
## Standard_Deviation_hist.PET	0.96049299	-0.076473466
## Skewness_hist.PET	0.17929289	0.511694865
## Kurtosis_hist.PET	-0.04313267	0.216152499
## Energy_hist.PET	0.12827538	0.492009161
## Entropy_hist.PET	0.55558290	0.590550937
## AUC_hist.PET	0.53342539	0.767841577
## H_suv.PET	0.96203783	-0.049115575

## Volume.PET	0.31531518	0.111703128
## X3D_surface.PET	0.19978062	0.094429561
## ratio_3ds_vol.PET	0.18408117	0.593573459
## ratio_3ds_vol_norm.PET	0.25543585	0.535687230
## irregularity.PET	0.48707344	0.782426350
## tumor_length.PET	0.40269519	0.397266700
## Compactness_v1.PET	0.26908498	0.496392239
## Compactness_v2.PET	0.27667982	0.024008618
## Spherical_disproportion.PET	0.25543585	0.535687230
## Sphericity.PET	0.27884374	0.011121223
## Asphericity.PET	0.24188137	0.521104991
## Center_of_mass.PET	0.32530138	0.215826676
## Max_3D_diam.PET	0.43690728	0.176400671
## Major_axis_length.PET	0.49004806	0.207195680
## Minor_axis_length.PET	0.45250214	0.395729399
## Least_axis_length.PET	0.43740372	0.282052051
## Elongation.PET	0.37070436	0.706821101
## Flatness.PET	0.37718249	0.613100783
## Max_cooc.L.PET	0.14510503	0.513177788
## Average_cooc.L.PET	0.47944219	0.596854004
## Variance_cooc.L.PET	0.34434708	0.513789799
## Entropy_cooc.L.PET	0.58727844	0.698642310
## DAVE_cooc.L.PET	0.47792854	0.525573515
## DVAR_cooc.L.PET	0.47177002	0.428725844
## DENT_cooc.L.PET	0.57264624	0.704891102
## SAVE_cooc.L.PET	0.47946854	0.596533485
## SVAR_cooc.L.PET	0.29185885	0.574742212
## SENT_cooc.L.PET	0.52348073	0.758635818
## ASM_cooc.L.PET	0.14326084	0.475540154
## Contrast_cooc.L.PET	0.38134129	0.347726998
## Dissimilarity_cooc.L.PET	0.47792854	0.525573515
## Inv_diff_cooc.L.PET	0.41620438	0.699056696
## Inv_diff_norm_cooc.L.PET	0.54160349	0.758321587
## IDM_cooc.L.PET	0.34828394	0.652875733
## IDM_norm_cooc.L.PET	0.54714940	0.758279341
## Inv_var_cooc.L.PET	0.35525377	0.653484849
## Correlation_cooc.L.PET	0.18301479	0.655270021
## Autocorrelation_cooc.L.PET	0.31550440	0.488062352
## Tendency_cooc.L.PET	0.29185885	0.574742212
## Shade_cooc.L.PET	0.14262457	0.322746097
## Prominence_cooc.L.PET	0.14298910	0.472934099
## IC1_.L.PET	-0.05449026	-0.409229364
## IC2_.L.PET	0.41870637	0.773402861
## Coarseness_vdif_.L.PET	0.10097794	0.565290105
## Contrast_vdif_.L.PET	0.08606930	0.194575821
## Busyness_vdif_.L.PET	0.28314317	0.108702885
## Complexity_vdif_.L.PET	0.46969299	0.482364332
## Strength_vdif_.L.PET	-0.01309492	0.406985619
## SRE_align.L.PET	0.55549021	0.753980970
## LRE_align.L.PET	0.54237262	0.751530885
## GLNU_align.L.PET	0.24124672	0.081333250
## RLNU_align.L.PET	0.27521997	0.023688738
## RP_align.L.PET	0.55530541	0.753952398
## LGRE_align.L.PET	0.24780748	0.575137478

## HGRE_align.L.PET	0.35218941	0.484555026
## LGSRE_align.L.PET	0.25223564	0.577706907
## HGSRE_align.L.PET	0.35167640	0.483395890
## LGHRE_align.L.PET	0.22840335	0.562209925
## HGLRE_align.L.PET	0.35348609	0.487445586
## GLNU_norm_align.L.PET	0.25713148	0.653286526
## RLNU_norm_align.L.PET	0.55526596	0.752676342
## GLVAR_align.L.PET	0.36713729	0.523387920
## RLVAR_align.L.PET	0.27201877	0.587213393
## Entropy_align.L.PET	0.57947525	0.712972654
## SZSE.L.PET	0.55519545	0.732007163
## LZSE.L.PET	0.34144895	0.538941884
## LGLZE.L.PET	0.24994732	0.584857589
## HGLZE.L.PET	0.36314211	0.487480716
## SZLGE.L.PET	0.25926552	0.589900408
## SZHGE.L.PET	0.37020652	0.478216194
## LZLGE.L.PET	0.16817510	0.487479872
## LZHGE.L.PET	0.26294804	0.413968441
## GLNU_area.L.PET	0.24919625	0.076795194
## ZSNU.L.PET	0.28462631	0.017375300
## ZSP.L.PET	0.55601468	0.739085889
## GLNU_norm.L.PET	0.25728662	0.653146919
## ZSNU_norm.L.PET	0.55473833	0.741062825
## GLVAR_area.L.PET	0.38057898	0.527545480
## ZSVAR.L.PET	0.20029269	0.367376288
## Entropy_area.L.PET	0.58001785	0.711977358
## Max_cooc.H.PET	-0.38476408	0.776950859
## Average_cooc.H.PET	0.39629468	0.857489093
## Variance_cooc.H.PET	0.77637481	0.386140459
## Entropy_cooc.H.PET	0.73955823	0.401054043
## DAVE_cooc.H.PET	0.75614554	0.423186212
## DVAR_cooc.H.PET	0.69416446	0.468802416
## DENT_cooc.H.PET	0.59776666	0.408903936
## SAVE_cooc.H.PET	0.46920686	0.797145639
## SVAR_cooc.H.PET	0.64910200	0.483699372
## SENT_cooc.H.PET	0.68263315	0.302229611
## ASM_cooc.H.PET	-0.34827188	0.743285613
## Contrast_cooc.H.PET	0.76642632	0.312988251
## Dissimilarity_cooc.H.PET	0.75614554	0.423186212
## Inv_diff_cooc.H.PET	-0.15050015	0.982369823
## Inv_diff_norm_cooc.H.PET	0.50015356	0.799411576
## IDM_cooc.H.PET	-0.27483944	0.960173569
## IDM_norm_cooc.H.PET	0.52803317	0.775957881
## Inv_var_cooc_.H.PET	0.48091623	0.389187461
## Correlation_cooc.H.PET	0.25167503	0.602089497
## Autocorrelation_cooc.H.PET	0.24505084	0.920834625
## Tendency_cooc.H.PET	0.71235396	0.391081330
## Shade_cooc.H.PET	-0.39739411	-0.128686650
## Prominence_cooc.H.PET	0.72489285	0.119595396
## IC1_d.H.PET	0.20132143	-0.301504385
## IC2_d.H.PET	0.40514075	0.624521788
## Coarseness_vdif.H.PET	0.15311590	0.465897601
## Contrast_vdif.H.PET	-0.29586803	0.628051966
## Busyness_vdif.H.PET	0.07076308	0.019584615

## Complexity_vdif.H.PET	0.44109655	0.455531725
## Strength_vdif.H.PET	-0.11698486	0.197394062
## SRE_align.H.PET	0.70154144	0.593940612
## LRE_align.H.PET	-0.11652037	0.908515868
## RLNU_align.H.PET	0.35489788	-0.032108676
## RP_align.H.PET	0.73028284	0.557651241
## LGRE_align.H.PET	0.21127009	0.445294903
## HGRE_align.H.PET	0.26888555	0.913399047
## LGSRE_align.H.PET	0.20995776	0.443574773
## HGSRE_align.H.PET	0.47108179	0.785345480
## LGHRE_align.H.PET	0.21043840	0.461192271
## HGLRE_align.H.PET	-0.28740933	0.834762552
## GLNU_norm_align.H.PET	-0.30354109	0.911349920
## RLNU_norm_align.H.PET	0.81127788	0.431336125
## GLVAR_align.H.PET	0.77500843	0.344822021
## RLVAR_align.H.PET	-0.41852320	0.741495628
## Entropy_align.H.PET	0.78500517	0.457051916
## SZSE.H.PET	0.83638098	0.355423019
## LZSE.H.PET	-0.22971500	0.185948339
## LGLZE.H.PET	0.21526755	0.443060777
## HGLZE.H.PET	0.31016924	0.804336652
## SZLGE.H.PET	0.20962371	0.440539775
## SZHGE.H.PET	0.64604925	0.486280153
## LZLGE.H.PET	-0.26120016	0.296998617
## LZHGE.H.PET	-0.27515953	0.253278590
## GLNU_area.H.PET	0.24753201	0.065956533
## ZSNU.H.PET	0.43120084	-0.107174822
## ZSP.H.PET	0.93864220	0.057132060
## GLNU_norm.H.PET	-0.30065381	0.915117821
## ZSNU_norm.H.PET	0.92511998	0.140198163
## GLVAR_area.H.PET	0.77120922	0.322106716
## ZSVAR_H.PET	-0.26144891	0.223817366
## Entropy_area.H.PET	0.65046008	0.608182067
## Max_cooc.W.PET	-0.24693124	0.723348900
## Average_cooc.W.PET	0.93462989	-0.075343339
## Variance_cooc.W.PET	0.84763984	-0.270688657
## Entropy_cooc.W.PET	0.86887802	0.328000822
## DAVE_cooc.W.PET	1.00000000	-0.092031911
## DVAR_cooc.W.PET	0.91948562	-0.283671320
## DENT_cooc.W.PET	0.90067724	0.290210553
## SAVE_cooc.W.PET	0.93454768	-0.076306024
## SVAR_cooc.W.PET	0.78325830	-0.253170755
## SENT_cooc.W.PET	0.80977449	0.431056595
## ASM_cooc.W.PET	-0.14535052	0.684012959
## Contrast_cooc.W.PET	0.94033258	-0.292962056
## Dissimilarity_cooc.W.PET	1.00000000	-0.092031911
## Inv_diff_cooc.W.PET	-0.09203191	1.000000000
## Inv_diff_norm_cooc.W.PET	0.53546868	0.764093377
## IDM_cooc.W.PET	-0.25150912	0.982054757
## IDM_norm_cooc.W.PET	0.54565954	0.759410212
## Inv_var_cooc.W.PET	-0.18175063	0.989185176
## Correlation_cooc.W.PET	0.19678466	0.642215006
## Autocorrelation_cooc.W.PET	0.82057269	-0.268894232
## Tendency_cooc.W.PET	0.78325830	-0.253170755

## Shade_cooc.W.PET	0.38056134	-0.165587353
## Prominence_cooc.W.PET	0.36661722	-0.190890242
## IC1_d.W.PET	0.03720693	-0.208686004
## IC2_d.W.PET	0.53224601	0.625937499
## Coarseness_vdif.W.PET	0.05462490	0.560185282
## Contrast_vdif.W.PET	0.88292387	-0.066890271
## Busyness_vdif.W.PET	-0.38354871	0.575563471
## Complexity_vdif.W.PET	0.67227529	-0.236870270
## Strength_vdif.W.PET	0.51251257	-0.042231766
## SRE_align.W.PET	0.63024542	0.680378810
## LRE_align.W.PET	0.16204475	0.944378638
## GLNU_align.W.PET	0.04080731	0.229951160
## RLNU_align.W.PET	0.31690920	-0.005273504
## RP_align.W.PET	0.65137311	0.657118670
## LGRE_align.W.PET	-0.26593395	0.847644585
## HGRE_align.W.PET	0.82807593	-0.272013843
## LGSRE_align.W.PET	-0.22649186	0.850184207
## HGSRE_align.W.PET	0.83061561	-0.277745610
## LGHRE_align.W.PET	-0.37836530	0.775538544
## HGLRE_align.W.PET	0.81365167	-0.245882755
## GLNU_norm_align.W.PET	-0.26208933	0.891745707
## RLNU_norm_align.W.PET	0.71421867	0.581027457
## GLVAR_align.W.PET	0.84366077	-0.271975791
## RLVAR_align.W.PET	-0.37845267	0.809708669
## Entropy_align.W.PET	0.79907882	0.443668950
## SZSE.W.PET	0.72705456	0.545958173
## LZSE.W.PET	-0.37414396	0.550980363
## LGLZE.W.PET	-0.26245398	0.873799460
## HGLZE.W.PET	0.83437383	-0.271485880
## SZLGE.W.PET	-0.14032951	0.855113645
## SZHGE.W.PET	0.83895261	-0.284751918
## LZLGE.W.PET	-0.32171461	0.356211076
## LZHGE.W.PET	0.54925026	-0.024192756
## GLNU_area.W.PET	0.13557768	0.161115041
## ZSNU.W.PET	0.37543268	-0.055411211
## ZSP.W.PET	0.83279224	0.367639720
## GLNU_norm.W.PET	-0.26086008	0.912162616
## ZSNU_norm.W.PET	0.84607295	0.361660509
## GLVAR_area.W.PET	0.84335012	-0.267016110
## ZSVAR.W.PET	-0.38003405	0.453651187
## Entropy_area.W.PET	0.71072573	0.556666157
## Min_hist.ADC	0.13223588	0.334824610
## Max_hist.ADC	0.47273462	0.666493263
## Mean_hist.ADC	0.43281845	0.684715315
## Variance_hist.ADC	0.17658101	0.405313136
## Standard_Deviation_hist.ADC	0.35433948	0.587868370
## Skewness_hist.ADC	0.16834360	0.167827714
## Kurtosis_hist.ADC	0.21639861	0.148934966
## Energy_hist.ADC	0.14613860	0.491567801
## Entropy_hist.ADC	0.56122727	0.678492319
## AUC_hist.ADC	0.56263333	0.720432262
## Volume.ADC	0.29447651	0.111304662
## X3D_surface.ADC	0.29157321	0.241113100
## ratio_3ds_vol.ADC	0.27212073	0.600508010

## ratio_3ds_vol_norm.ADC	0.52835738	0.684156138
## irregularity.ADC	0.53237028	0.736557351
## Compactness_v1.ADC	0.30376740	0.639963601
##	Inv_diff_norm_cooc.W.PET	IDM_cooc.W.PET
## Failure	-0.012568360	0.07399159
## Entropy_cooc.W.ADC	0.052527433	0.04014623
## GLNU_align.H.PET	-0.010020562	0.01901015
## Min_hist.PET	0.520318552	-0.21422898
## Max_hist.PET	0.565616293	-0.19038690
## Mean_hist.PET	0.526806951	-0.23544399
## Variance_hist.PET	0.272221740	-0.38017825
## Standard_Deviation_hist.PET	0.543015204	-0.22981144
## Skewness_hist.PET	0.562125163	0.45908147
## Kurtosis_hist.PET	0.201574123	0.21155142
## Energy_hist.PET	0.438816940	0.46332959
## Entropy_hist.PET	0.892808744	0.46135577
## AUC_hist.PET	0.993168484	0.63782607
## H_suv.PET	0.545602962	-0.20459831
## Volume.PET	0.368116555	0.04057580
## X3D_surface.PET	0.267274483	0.04865190
## ratio_3ds_vol.PET	0.547082087	0.55179700
## ratio_3ds_vol_norm.PET	0.606022264	0.47774147
## irregularity.PET	0.953144014	0.66455194
## tumor_length.PET	0.649869530	0.30463591
## Compactness_v1.PET	0.560899319	0.43847290
## Compactness_v2.PET	0.240486130	-0.03695782
## Spherical_disproportion.PET	0.606022264	0.47774147
## Sphericity.PET	0.235632423	-0.05249169
## Asphericity.PET	0.584679059	0.46649824
## Center_of_mass.PET	0.413547466	0.15862070
## Max_3D_diam.PET	0.508246139	0.08134851
## Major_axis_length.PET	0.550765443	0.10808258
## Minor_axis_length.PET	0.709128359	0.28391846
## Least_axis_length.PET	0.607160465	0.17713132
## Elongation.PET	0.848568521	0.59712877
## Flatness.PET	0.790250555	0.50201890
## Max_cooc.L.PET	0.477199747	0.48225944
## Average_cooc.L.PET	0.765478335	0.48852746
## Variance_cooc.L.PET	0.573798591	0.43517564
## Entropy_cooc.L.PET	0.969558039	0.56023115
## DAVE_cooc.L.PET	0.687942237	0.41603981
## DVAR_cooc.L.PET	0.609468119	0.32402545
## DENT_cooc.L.PET	0.941184606	0.57083829
## SAVE_cooc.L.PET	0.765264253	0.48819801
## SVAR_cooc.L.PET	0.595972115	0.50706636
## SENT_cooc.L.PET	0.960267319	0.63370390
## ASM_cooc.L.PET	0.447298191	0.44483760
## Contrast_cooc.L.PET	0.461260000	0.26232542
## Dissimilarity_cooc.L.PET	0.687942237	0.41603981
## Inv_diff_cooc.L.PET	0.898955687	0.59418301
## Inv_diff_norm_cooc.L.PET	0.999927227	0.62689490
## IDM_cooc.L.PET	0.818517181	0.56351410
## IDM_norm_cooc.L.PET	0.999007982	0.62593845
## Inv_var_cooc.L.PET	0.823043075	0.56360625

## Correlation_cooc.L.PET	0.712395382	0.59891169
## Autocorrelation_cooc.L.PET	0.550293141	0.41762375
## Tendency_cooc.L.PET	0.595972115	0.50706636
## Shade_cooc.L.PET	0.311982884	0.30272952
## Prominence_cooc.L.PET	0.404270723	0.44058958
## IC1_.L.PET	-0.308827450	-0.39369297
## IC2_.L.PET	0.874909604	0.67475231
## Coarseness_vdif_.L.PET	0.461806662	0.54405173
## Contrast_vdif_.L.PET	0.171535975	0.16208829
## Busyness_vdif_.L.PET	0.365171480	0.03626381
## Complexity_vdif_.L.PET	0.651263166	0.37381966
## Strength_vdif_.L.PET	0.254936659	0.40541310
## SRE_align.L.PET	0.991681716	0.62064861
## LRE_align.L.PET	0.996892804	0.61878622
## GLNU_align.L.PET	0.320473655	0.01930090
## RLNU_align.L.PET	0.283580685	-0.04086866
## RP_align.L.PET	0.990655433	0.62068799
## LGRE_align.L.PET	0.646826864	0.50564682
## HGRE_align.L.PET	0.568531575	0.40801721
## LGSRE_align.L.PET	0.650353582	0.50739701
## HGSRE_align.L.PET	0.566077480	0.40711836
## LGHRE_align.L.PET	0.629603376	0.49640234
## HGLRE_align.L.PET	0.576855295	0.40998146
## GLNU_norm_align.L.PET	0.693992525	0.58880434
## RLNU_norm_align.L.PET	0.986349039	0.61968680
## GLVAR_align.L.PET	0.603603652	0.43872509
## RLVAR_align.L.PET	0.689426820	0.51903950
## Entropy_align.L.PET	0.975577523	0.57633374
## SZSE.L.PET	0.965489985	0.60179748
## LZSE.L.PET	0.717179663	0.44429847
## LGLZE.L.PET	0.657879435	0.51355277
## HGLZE.L.PET	0.577513134	0.40886793
## SZLGE.L.PET	0.662566579	0.51736765
## SZHGE.L.PET	0.570510449	0.39983928
## LZLGE.L.PET	0.544838210	0.43390818
## LZHGE.L.PET	0.484404680	0.34912766
## GLNU_area.L.PET	0.320088317	0.01382756
## ZSNU.L.PET	0.281549324	-0.04826129
## ZSP.L.PET	0.968631441	0.60850294
## GLNU_norm.L.PET	0.694280293	0.58850643
## ZSNU_norm.L.PET	0.966705996	0.60998406
## GLVAR_area.L.PET	0.614964769	0.44104349
## ZSVAR.L.PET	0.509667370	0.30550026
## Entropy_area.L.PET	0.980656051	0.57462724
## Max_cooc.H.PET	0.314304303	0.85184309
## Average_cooc.H.PET	0.965710353	0.75127326
## Variance_cooc.H.PET	0.852729722	0.22086829
## Entropy_cooc.H.PET	0.827311754	0.24467593
## DAVE_cooc.H.PET	0.849570306	0.25711549
## DVAR_cooc.H.PET	0.826766832	0.32337600
## DENT_cooc.H.PET	0.777713478	0.26739404
## SAVE_cooc.H.PET	0.974329984	0.67693806
## SVAR_cooc.H.PET	0.859333420	0.34244677
## SENT_cooc.H.PET	0.686689051	0.16837685

## ASM_cooc.H.PET	0.301437338	0.81709725
## Contrast_cooc.H.PET	0.746618094	0.15512722
## Dissimilarity_cooc.H.PET	0.849570306	0.25711549
## Inv_diff_cooc.H.PET	0.690790066	0.98865134
## Inv_diff_norm_cooc.H.PET	0.995365731	0.67619263
## IDM_cooc.H.PET	0.587166341	0.99136060
## IDM_norm_cooc.H.PET	0.996333907	0.64686237
## Inv_var_cooc_.H.PET	0.610784456	0.30227628
## Correlation_cooc.H.PET	0.718638171	0.53230227
## Autocorrelation_cooc.H.PET	0.910376688	0.84351499
## Tendency_cooc.H.PET	0.833786811	0.23657827
## Shade_cooc.H.PET	-0.422459717	-0.02919320
## Prominence_cooc.H.PET	0.625114104	-0.02699293
## IC1_d.H.PET	-0.157924595	-0.33446072
## IC2_d.H.PET	0.822225700	0.52828916
## Coarseness_vdif.H.PET	0.435218612	0.43629638
## Contrast_vdif.H.PET	0.266205905	0.67250119
## Busyness_vdif.H.PET	0.139935342	-0.01772516
## Complexity_vdif.H.PET	0.629127825	0.35810506
## Strength_vdif.H.PET	0.017229836	0.23732748
## SRE_align.H.PET	0.961788796	0.43532780
## LRE_align.H.PET	0.656818559	0.91255265
## RLNU_align.H.PET	0.277979577	-0.10556064
## RP_align.H.PET	0.947498613	0.39566125
## LGRE_align.H.PET	0.464147237	0.40515843
## HGRE_align.H.PET	0.915870908	0.83503023
## LGSRE_align.H.PET	0.461520737	0.40379101
## HGSRE_align.H.PET	0.952765724	0.66697507
## LGHRE_align.H.PET	0.478708389	0.42050781
## HGLRE_align.H.PET	0.456379073	0.88545471
## GLNU_norm_align.H.PET	0.509113225	0.94673836
## RLNU_norm_align.H.PET	0.893184906	0.25940758
## GLVAR_align.H.PET	0.824162370	0.18052102
## RLVAR_align.H.PET	0.314687389	0.81499608
## Entropy_align.H.PET	0.910707213	0.29714438
## SZSE.H.PET	0.847418727	0.18684013
## LZSE.H.PET	-0.044310866	0.25377320
## LGLZE.H.PET	0.464982264	0.40238310
## HGLZE.H.PET	0.873913601	0.71718309
## SZLGE.H.PET	0.458177477	0.40122709
## SZHGE.H.PET	0.821484511	0.34993616
## LZLGE.H.PET	0.024535542	0.36933073
## LZHGE.H.PET	-0.034737000	0.33442598
## GLNU_area.H.PET	0.318523517	-0.00487714
## ZSNU.H.PET	0.239190764	-0.18214106
## ZSP.H.PET	0.652765926	-0.11595983
## GLNU_norm.H.PET	0.518746526	0.94667682
## ZSNU_norm.H.PET	0.712428627	-0.03021594
## GLVAR_area.H.PET	0.804634887	0.15905769
## ZSVAR_H.PET	-0.040215190	0.29972270
## Entropy_area.H.PET	0.960399215	0.46040785
## Max_cooc.W.PET	0.351704603	0.77663664
## Average_cooc.W.PET	0.531290597	-0.22575153
## Variance_cooc.W.PET	0.268850700	-0.37747005

## Entropy_cooc.W.PET	0.856763663	0.15342558
## DAVE_cooc.W.PET	0.535468676	-0.25150912
## DVAR_cooc.W.PET	0.288558157	-0.40012041
## DENT_cooc.W.PET	0.832095360	0.11370605
## SAVE_cooc.W.PET	0.530521856	-0.22668729
## SVAR_cooc.W.PET	0.250997504	-0.35099681
## SENT_cooc.W.PET	0.896861647	0.26564558
## ASM_cooc.W.PET	0.389798574	0.71842406
## Contrast_cooc.W.PET	0.291041434	-0.41361801
## Dissimilarity_cooc.W.PET	0.535468676	-0.25150912
## Inv_diff_cooc.W.PET	0.764093377	0.98205476
## Inv_diff_norm_cooc.W.PET	1.000000000	0.63372781
## IDM_cooc.W.PET	0.633727815	1.00000000
## IDM_norm_cooc.W.PET	0.998972296	0.62718238
## Inv_var_cooc.W.PET	0.702739592	0.98554584
## Correlation_cooc.W.PET	0.712238625	0.58335589
## Autocorrelation_cooc.W.PET	0.272510093	-0.37656636
## Tendency_cooc.W.PET	0.250997504	-0.35099681
## Shade_cooc.W.PET	0.064266094	-0.19801547
## Prominence_cooc.W.PET	0.031959725	-0.21865170
## IC1_d.W.PET	-0.162749418	-0.22362114
## IC2_d.W.PET	0.872280683	0.51627710
## Coarseness_vdif.W.PET	0.423825505	0.54579328
## Contrast_vdif.W.PET	0.433776362	-0.20148026
## Busyness_vdif.W.PET	0.242857905	0.61981069
## Complexity_vdif.W.PET	0.197193751	-0.31321905
## Strength_vdif.W.PET	0.245689930	-0.10965886
## SRE_align.W.PET	0.985124401	0.53359472
## LRE_align.W.PET	0.877963497	0.88928377
## GLNU_align.W.PET	0.325468895	0.19194597
## RLNU_align.W.PET	0.281794147	-0.07475096
## RP_align.W.PET	0.979558476	0.50688990
## LGRE_align.W.PET	0.490421894	0.87234818
## HGRE_align.W.PET	0.274827441	-0.38093435
## LGSRE_align.W.PET	0.524071089	0.86343181
## HGSRE_align.W.PET	0.269840536	-0.38630839
## LGHRE_align.W.PET	0.337095975	0.83948616
## HGLRE_align.W.PET	0.295022924	-0.35557508
## GLNU_norm_align.W.PET	0.510595762	0.92416089
## RLNU_norm_align.W.PET	0.958090143	0.42123170
## GLVAR_align.W.PET	0.272463631	-0.37970527
## RLVAR_align.W.PET	0.387552990	0.87543998
## Entropy_align.W.PET	0.909525837	0.27950318
## SZSE.W.PET	0.932418630	0.38884857
## LZSE.W.PET	0.144309609	0.63826700
## LGLZE.W.PET	0.516515795	0.89688969
## HGLZE.W.PET	0.278449973	-0.38114631
## SZLGE.W.PET	0.588187956	0.85213630
## SZHGE.W.PET	0.264537216	-0.39265957
## LZLGE.W.PET	0.009571737	0.44217364
## LZHGE.W.PET	0.330180747	-0.10216631
## GLNU_area.W.PET	0.330511620	0.10691990
## ZSNU.W.PET	0.263871950	-0.12873256
## ZSP.W.PET	0.858074715	0.19469637

## GLNU_norm.W.PET	0.529733857	0.94323513
## ZSNU_norm.W.PET	0.854158369	0.19053506
## GLVAR_area.W.PET	0.277255842	-0.37493897
## ZSVAR.W.PET	0.055918739	0.54820351
## Entropy_area.W.PET	0.950161687	0.40259792
## Min_hist.ADC	0.317387290	0.31170850
## Max_hist.ADC	0.890496394	0.54769407
## Mean_hist.ADC	0.862787077	0.57291659
## Variance_hist.ADC	0.470122157	0.35803730
## Standard_Deviation_hist.ADC	0.738235120	0.49807540
## Skewness_hist.ADC	0.239031884	0.14053268
## Kurtosis_hist.ADC	0.279972672	0.10255297
## Energy_hist.ADC	0.456021005	0.46086744
## Entropy_hist.ADC	0.957017092	0.54297230
## AUC_hist.ADC	0.973443927	0.58675356
## Volume.ADC	0.352141176	0.04227121
## X3D_surface.ADC	0.453473902	0.16459110
## ratio_3ds_vol.ADC	0.628935140	0.53602104
## ratio_3ds_vol_norm.ADC	0.942274621	0.55175593
## irregularity.ADC	0.946526870	0.61158665
## Compactness_v1.ADC	0.689159216	0.57190641
##	IDM_norm_cooc.W.PET	Inv_var_cooc.W.PET
## Failure	-0.006835824	0.066296622
## Entropy_cooc.W.ADC	0.042283314	0.054757201
## GLNU_align.H.PET	-0.024062057	0.013643557
## Min_hist.PET	0.527460526	-0.146175729
## Max_hist.PET	0.559576284	-0.119380754
## Mean_hist.PET	0.531733573	-0.165853137
## Variance_hist.PET	0.270530485	-0.339563192
## Standard_Deviation_hist.PET	0.544121494	-0.159911546
## Skewness_hist.PET	0.548208596	0.475985342
## Kurtosis_hist.PET	0.176463988	0.212256754
## Energy_hist.PET	0.439908754	0.492905600
## Entropy_hist.PET	0.886137359	0.535516401
## AUC_hist.PET	0.995111054	0.707209319
## H_suv.PET	0.555907727	-0.132060773
## Volume.PET	0.353694835	0.078136498
## X3D_surface.PET	0.249159179	0.080351447
## ratio_3ds_vol.PET	0.555607034	0.566035996
## ratio_3ds_vol_norm.PET	0.595687978	0.513579578
## irregularity.PET	0.959764906	0.722982762
## tumor_length.PET	0.631548242	0.357470156
## Compactness_v1.PET	0.557508418	0.484204624
## Compactness_v2.PET	0.239176725	-0.011473346
## Spherical_disproportion.PET	0.595687978	0.513579578
## Sphericity.PET	0.236425720	-0.027501008
## Asphericity.PET	0.574037320	0.500711042
## Center_of_mass.PET	0.396105220	0.191286592
## Max_3D_diam.PET	0.491395983	0.128889580
## Major_axis_length.PET	0.534786366	0.158067746
## Minor_axis_length.PET	0.690472245	0.350727262
## Least_axis_length.PET	0.589177120	0.240874225
## Elongation.PET	0.852890158	0.666504811
## Flatness.PET	0.793050871	0.575248359

## Max_cooc.L.PET	0.472944445	0.509900178
## Average_cooc.L.PET	0.788273042	0.550090221
## Variance_cooc.L.PET	0.605603206	0.473125929
## Entropy_cooc.L.PET	0.976935541	0.633122328
## DAVE_cooc.L.PET	0.718262496	0.469050339
## DVAR_cooc.L.PET	0.633864660	0.373951978
## DENT_cooc.L.PET	0.955273165	0.637960746
## SAVE_cooc.L.PET	0.788071974	0.549746147
## SVAR_cooc.L.PET	0.623102306	0.540925937
## SENT_cooc.L.PET	0.968490891	0.700608038
## ASM_cooc.L.PET	0.443712829	0.477687072
## Contrast_cooc.L.PET	0.496210858	0.301657136
## Dissimilarity_cooc.L.PET	0.718262496	0.469050339
## Inv_diff_cooc.L.PET	0.879454401	0.654654145
## Inv_diff_norm_cooc.L.PET	0.998833943	0.696776883
## IDM_cooc.L.PET	0.794464141	0.617431589
## IDM_norm_cooc.L.PET	0.999980143	0.695945100
## Inv_var_cooc.L.PET	0.799107859	0.619710534
## Correlation_cooc.L.PET	0.691821486	0.638510158
## Autocorrelation_cooc.L.PET	0.576901492	0.464273282
## Tendency_cooc.L.PET	0.623102306	0.540925937
## Shade_cooc.L.PET	0.316852263	0.290251129
## Prominence_cooc.L.PET	0.429605064	0.452842802
## IC1_.L.PET	-0.327354740	-0.387770626
## IC2_.L.PET	0.885658684	0.724611225
## Coarseness_vdif_.L.PET	0.468098431	0.566753791
## Contrast_vdif_.L.PET	0.192862990	0.180355631
## Busyness_vdif_.L.PET	0.344795972	0.080824180
## Complexity_vdif_.L.PET	0.677949931	0.424269242
## Strength_vdif_.L.PET	0.268856793	0.385950835
## SRE_align.L.PET	0.996306494	0.690910433
## LRE_align.L.PET	0.995799796	0.687793778
## GLNU_align.L.PET	0.294895605	0.059358102
## RLNU_align.L.PET	0.264280742	-0.002065128
## RP_align.L.PET	0.995642569	0.690696308
## LGRE_align.L.PET	0.636838645	0.535651757
## HGRE_align.L.PET	0.596032833	0.455697559
## LGSRE_align.L.PET	0.641007642	0.538537426
## HGSRE_align.L.PET	0.593909575	0.454737600
## LGHRE_align.L.PET	0.616998741	0.521980261
## HGLRE_align.L.PET	0.602893708	0.457656604
## GLNU_norm_align.L.PET	0.685669270	0.631274215
## RLNU_norm_align.L.PET	0.992577239	0.688991346
## GLVAR_align.L.PET	0.635007111	0.483592095
## RLVAR_align.L.PET	0.668658602	0.569961074
## Entropy_align.L.PET	0.982091538	0.649008203
## SZSE.L.PET	0.971937553	0.674235256
## LZSE.L.PET	0.706569062	0.482064717
## LGLZE.L.PET	0.648207864	0.547494372
## HGLZE.L.PET	0.605215400	0.456962133
## SZLGE.L.PET	0.655078268	0.555907722
## SZHGE.L.PET	0.598907629	0.449955979
## LZLGE.L.PET	0.525808184	0.444697600
## LZHGE.L.PET	0.502472474	0.379726093

## GLNU_area.L.PET	0.295557068	0.055215497
## ZSNU.L.PET	0.263866073	-0.008005488
## ZSP.L.PET	0.976547338	0.678842367
## GLNU_norm.L.PET	0.686031792	0.631895623
## ZSNU_norm.L.PET	0.976165640	0.676373842
## GLVAR_area.L.PET	0.646139139	0.486314848
## ZSVAR.L.PET	0.482226640	0.340441591
## Entropy_area.L.PET	0.985192043	0.648303511
## Max_cooc.H.PET	0.309583694	0.772336947
## Average_cooc.H.PET	0.969962511	0.800436681
## Variance_cooc.H.PET	0.858117832	0.321147189
## Entropy_cooc.H.PET	0.832776849	0.323527069
## DAVE_cooc.H.PET	0.864583314	0.354192865
## DVAR_cooc.H.PET	0.841439433	0.408449419
## DENT_cooc.H.PET	0.779005069	0.346748197
## SAVE_cooc.H.PET	0.978354197	0.741243486
## SVAR_cooc.H.PET	0.856730884	0.429650961
## SENT_cooc.H.PET	0.691020576	0.246452902
## ASM_cooc.H.PET	0.296012566	0.730330575
## Contrast_cooc.H.PET	0.765130010	0.244325640
## Dissimilarity_cooc.H.PET	0.864583314	0.354192865
## Inv_diff_cooc.H.PET	0.683017631	0.971506477
## Inv_diff_norm_cooc.H.PET	0.996712613	0.738856397
## IDM_cooc.H.PET	0.578747381	0.960953085
## IDM_norm_cooc.H.PET	0.998558278	0.714055196
## Inv_var_cooc_.H.PET	0.603765308	0.358184759
## Correlation_cooc.H.PET	0.698728253	0.580576531
## Autocorrelation_cooc.H.PET	0.913216910	0.871110579
## Tendency_cooc.H.PET	0.831604701	0.333877149
## Shade_cooc.H.PET	-0.423312732	-0.105124695
## Prominence_cooc.H.PET	0.620349538	0.062709976
## IC1_d.H.PET	-0.138807770	-0.312998827
## IC2_d.H.PET	0.807017385	0.589710988
## Coarseness_vdif.H.PET	0.433836367	0.461554551
## Contrast_vdif.H.PET	0.276067154	0.662374860
## Busyness_vdif.H.PET	0.134120834	0.005620186
## Complexity_vdif.H.PET	0.643236111	0.423431157
## Strength_vdif.H.PET	0.016681562	0.123776798
## SRE_align.H.PET	0.968450212	0.521483395
## LRE_align.H.PET	0.649234017	0.891639514
## RLNU_align.H.PET	0.260910708	-0.064995764
## RP_align.H.PET	0.955206959	0.482726428
## LGRE_align.H.PET	0.461238200	0.442384551
## HGRE_align.H.PET	0.918245040	0.859195820
## LGSRE_align.H.PET	0.458685840	0.440790748
## HGSRE_align.H.PET	0.958869678	0.718794233
## LGHRE_align.H.PET	0.475179118	0.458081137
## HGLRE_align.H.PET	0.448008654	0.821344616
## GLNU_norm_align.H.PET	0.508853896	0.908619499
## RLNU_norm_align.H.PET	0.902778669	0.350836633
## GLVAR_align.H.PET	0.827845733	0.279965520
## RLVAR_align.H.PET	0.301024368	0.758109691
## Entropy_align.H.PET	0.909867487	0.380138066
## SZSE.H.PET	0.853471098	0.275213828

## LZSE.H.PET	-0.051863058	0.176383178
## LGLZE.H.PET	0.462040435	0.439835718
## HGLZE.H.PET	0.872446855	0.738252174
## SZLGE.H.PET	0.455361847	0.437771927
## SZHGE.H.PET	0.826133248	0.404996264
## LZLGE.H.PET	0.014765972	0.302875065
## LZHGE.H.PET	-0.042779588	0.236933373
## GLNU_area.H.PET	0.299783063	0.043319410
## ZSNU.H.PET	0.226019892	-0.145541428
## ZSP.H.PET	0.663791688	-0.029520424
## GLNU_norm.H.PET	0.520649623	0.929764768
## ZSNU_norm.H.PET	0.720219772	0.049934213
## GLVAR_area.H.PET	0.807768897	0.256186422
## ZSVAR_H.PET	-0.048269688	0.218788902
## Entropy_area.H.PET	0.958051060	0.541139064
## Max_cooc.W.PET	0.347155587	0.702400543
## Average_cooc.W.PET	0.533328980	-0.157136124
## Variance_cooc.W.PET	0.268253004	-0.337626914
## Entropy_cooc.W.PET	0.860645826	0.245447382
## DAVE_cooc.W.PET	0.545659536	-0.181750634
## DVAR_cooc.W.PET	0.293721456	-0.359206535
## DENT_cooc.W.PET	0.839366264	0.202775515
## SAVE_cooc.W.PET	0.532566661	-0.158123731
## SVAR_cooc.W.PET	0.247069548	-0.313351753
## SENT_cooc.W.PET	0.899501595	0.355554066
## ASM_cooc.W.PET	0.384872224	0.669048939
## Contrast_cooc.W.PET	0.299220537	-0.371619072
## Dissimilarity_cooc.W.PET	0.545659536	-0.181750634
## Inv_diff_cooc.W.PET	0.759410212	0.989185176
## Inv_diff_norm_cooc.W.PET	0.998972296	0.702739592
## IDM_cooc.W.PET	0.627182384	0.985545839
## IDM_norm_cooc.W.PET	1.000000000	0.697170475
## Inv_var_cooc.W.PET	0.697170475	1.000000000
## Correlation_cooc.W.PET	0.691572473	0.625163719
## Autocorrelation_cooc.W.PET	0.270332668	-0.335842468
## Tendency_cooc.W.PET	0.247069548	-0.313351753
## Shade_cooc.W.PET	0.055685691	-0.185479770
## Prominence_cooc.W.PET	0.023713948	-0.209806583
## IC1_d.W.PET	-0.149184591	-0.202673376
## IC2_d.W.PET	0.863525907	0.576940544
## Coarseness_vdif.W.PET	0.432435513	0.562024235
## Contrast_vdif.W.PET	0.456921454	-0.145349204
## Busyness_vdif.W.PET	0.239268763	0.593526918
## Complexity_vdif.W.PET	0.186812712	-0.285810573
## Strength_vdif.W.PET	0.247626398	-0.084643007
## SRE_align.W.PET	0.990166676	0.612954112
## LRE_align.W.PET	0.874029691	0.903671985
## GLNU_align.W.PET	0.300730843	0.222212646
## RLNU_align.W.PET	0.263315852	-0.034492731
## RP_align.W.PET	0.985193121	0.588254848
## LGRE_align.W.PET	0.490573551	0.837800873
## HGRE_align.W.PET	0.272718089	-0.339943139
## LGSRE_align.W.PET	0.525426911	0.841360464
## HGSRE_align.W.PET	0.267987484	-0.345791281

## LGHRE_align.W.PET	0.332665596	0.759448692
## HGLRE_align.W.PET	0.291696392	-0.313130141
## GLNU_norm_align.W.PET	0.509909948	0.882577587
## RLNU_norm_align.W.PET	0.964946958	0.507926744
## GLVAR_align.W.PET	0.270568457	-0.339094928
## RLVAR_align.W.PET	0.374696402	0.818954042
## Entropy_align.W.PET	0.910101012	0.365630910
## SZSE.W.PET	0.938612499	0.475163212
## LZSE.W.PET	0.136290099	0.540886837
## LGLZE.W.PET	0.516620864	0.871460445
## HGLZE.W.PET	0.276185188	-0.340146300
## SZLGE.W.PET	0.589835634	0.851243778
## SZHGE.W.PET	0.262890350	-0.352791418
## LZLGE.W.PET	0.002551191	0.320768253
## LZHGE.W.PET	0.321508854	-0.078038292
## GLNU_area.W.PET	0.308151072	0.148770592
## ZSNU.W.PET	0.248024402	-0.088749939
## ZSP.W.PET	0.866298716	0.289606171
## GLNU_norm.W.PET	0.529858518	0.916246321
## ZSNU_norm.W.PET	0.862035479	0.276865995
## GLVAR_area.W.PET	0.274895622	-0.334287413
## ZSVAR.W.PET	0.047833648	0.447149624
## Entropy_area.W.PET	0.949157588	0.484245977
## Min_hist.ADC	0.326028471	0.321012781
## Max_hist.ADC	0.886747883	0.613350183
## Mean_hist.ADC	0.865212836	0.635941401
## Variance_hist.ADC	0.460514103	0.389080160
## Standard_Deviation_hist.ADC	0.732716488	0.550643996
## Skewness_hist.ADC	0.236932870	0.148181432
## Kurtosis_hist.ADC	0.277587457	0.129309994
## Energy_hist.ADC	0.454630359	0.493012042
## Entropy_hist.ADC	0.955887774	0.615594014
## AUC_hist.ADC	0.976299922	0.657514144
## Volume.ADC	0.338859061	0.074029932
## X3D_surface.ADC	0.442766352	0.207593259
## ratio_3ds_vol.ADC	0.639805789	0.572920442
## ratio_3ds_vol_norm.ADC	0.942137362	0.625864758
## irregularity.ADC	0.953781818	0.676129369
## Compactness_v1.ADC	0.690234502	0.618092643
##	Correlation_cooc.W.PET	Autocorrelation_cooc.W.PET
## Failure	-0.08397562	-0.1130997366
## Entropy_cooc.W.ADC	0.19412366	0.0700397262
## GLNU_align.H.PET	0.16542434	0.0067368345
## Min_hist.PET	0.25366527	0.7966592340
## Max_hist.PET	0.40504898	0.8781721387
## Mean_hist.PET	0.28958793	0.8764676469
## Variance_hist.PET	0.22517921	0.9509764693
## Standard_Deviation_hist.PET	0.36530587	0.9007493062
## Skewness_hist.PET	0.40832841	-0.0993141144
## Kurtosis_hist.PET	0.15147906	-0.1191031736
## Energy_hist.PET	0.22772943	-0.0410455948
## Entropy_hist.PET	0.69866425	0.3799746004
## AUC_hist.PET	0.66722299	0.2408204650
## H_suv.PET	0.19980028	0.7946576216

## Volume.PET	0.36590866	0.3818456392
## X3D_surface.PET	0.45463607	0.2848516161
## ratio_3ds_vol.PET	0.25299238	-0.0974610420
## ratio_3ds_vol_norm.PET	0.59640598	0.1316660773
## irregularity.PET	0.58124055	0.1726709448
## tumor_length.PET	0.72128858	0.3895522174
## Compactness_v1.PET	0.35844280	0.1276238103
## Compactness_v2.PET	0.13828738	0.3033439851
## Spherical_disproportion.PET	0.59640598	0.1316660773
## Sphericity.PET	0.10914006	0.2754848791
## Asphericity.PET	0.58579287	0.1253488958
## Center_of_mass.PET	0.62691439	0.3840462239
## Max_3D_diam.PET	0.54895556	0.5133947731
## Major_axis_length.PET	0.57554940	0.5794730842
## Minor_axis_length.PET	0.72339244	0.4092982653
## Least_axis_length.PET	0.68818648	0.4530894230
## Elongation.PET	0.53699962	0.0314992425
## Flatness.PET	0.57530143	0.1011733409
## Max_cooc.L.PET	0.31288130	-0.0046007576
## Average_cooc.L.PET	0.39564187	0.2402942256
## Variance_cooc.L.PET	0.17132128	-0.0010862249
## Entropy_cooc.L.PET	0.64523547	0.3031007781
## DAVE_cooc.L.PET	0.12911450	0.0797547345
## DVAR_cooc.L.PET	0.03787633	0.0702672995
## DENT_cooc.L.PET	0.51204446	0.2271966453
## SAVE_cooc.L.PET	0.39545173	0.2403908043
## SVAR_cooc.L.PET	0.34919135	0.0045414050
## SENT_cooc.L.PET	0.63771831	0.2204944802
## ASM_cooc.L.PET	0.29669520	0.0012519254
## Contrast_cooc.L.PET	-0.13430284	-0.0098784583
## Dissimilarity_cooc.L.PET	0.12911450	0.0797547345
## Inv_diff_cooc.L.PET	0.80049707	0.2795146156
## Inv_diff_norm_cooc.L.PET	0.71291855	0.2786768378
## IDM_cooc.L.PET	0.77029526	0.2496987029
## IDM_norm_cooc.L.PET	0.69293990	0.2721703179
## Inv_var_cooc.L.PET	0.77794248	0.2580979141
## Correlation_cooc.L.PET	0.99961365	0.2114513131
## Autocorrelation_cooc.L.PET	0.27244142	0.1496658926
## Tendency_cooc.L.PET	0.34919135	0.0045414050
## Shade_cooc.L.PET	0.33189473	-0.0816660276
## Prominence_cooc.L.PET	0.25457263	-0.1207244789
## IC1_.L.PET	-0.12146676	0.1220225902
## IC2_.L.PET	0.56924302	0.1141106356
## Coarseness_vdif_.L.PET	0.22863428	-0.0922935877
## Contrast_vdif_.L.PET	-0.27129489	-0.1295991398
## Busyness_vdif_.L.PET	0.45583176	0.3146362857
## Complexity_vdif_.L.PET	0.04148835	0.0512701182
## Strength_vdif_.L.PET	-0.04612586	-0.2415634642
## SRE_align.L.PET	0.64437415	0.2562501821
## LRE_align.L.PET	0.70619206	0.2788234670
## GLNU_align.L.PET	0.48713442	0.3485096899
## RLNU_align.L.PET	0.44977896	0.4088970719
## RP_align.L.PET	0.64010754	0.2538298566
## LGRE_align.L.PET	0.43108403	-0.0268929717

## HGRE_align.L.PET	0.22570305	0.1587588552
## LGSRE_align.L.PET	0.42855783	-0.0259377828
## HGSRE_align.L.PET	0.21771007	0.1536686936
## LGHRE_align.L.PET	0.43965702	-0.0300261601
## HGLRE_align.L.PET	0.25766975	0.1792921396
## GLNU_norm_align.L.PET	0.45839157	0.0339264585
## RLNU_norm_align.L.PET	0.62465620	0.2462356358
## GLVAR_align.L.PET	0.20970591	0.0476323007
## RLVAR_align.L.PET	0.65680653	0.1937610124
## Entropy_align.L.PET	0.66191274	0.3074985183
## SZSE.L.PET	0.60404564	0.2529457454
## LZSE.L.PET	0.60518436	0.2084230737
## LGLZE.L.PET	0.43385495	-0.0255529117
## HGLZE.L.PET	0.22478912	0.1610456510
## SZLGE.L.PET	0.41745398	-0.0215208330
## SZHGE.L.PET	0.19823581	0.1545289297
## LZLGE.L.PET	0.44204110	-0.0248856884
## LZHGE.L.PET	0.28671704	0.1638545444
## GLNU_area.L.PET	0.48190125	0.3550463598
## ZSNU.L.PET	0.43361345	0.4122254422
## ZSP.L.PET	0.59368466	0.2420562919
## GLNU_norm.L.PET	0.45985141	0.0348076767
## ZSNU_norm.L.PET	0.57553959	0.2283518409
## GLVAR_area.L.PET	0.21294993	0.0575063700
## ZSVAR.L.PET	0.58805741	0.2286598003
## Entropy_area.L.PET	0.68371785	0.3181406008
## Max_cooc.H.PET	0.27291997	-0.4415719306
## Average_cooc.H.PET	0.63892706	0.1023760041
## Variance_cooc.H.PET	0.54011500	0.5490708538
## Entropy_cooc.H.PET	0.47467331	0.4921589541
## DAVE_cooc.H.PET	0.32736697	0.3969211943
## DVAR_cooc.H.PET	0.30448479	0.3733412684
## DENT_cooc.H.PET	0.52612292	0.3610715653
## SAVE_cooc.H.PET	0.66673383	0.1707135757
## SVAR_cooc.H.PET	0.70208676	0.4756941009
## SENT_cooc.H.PET	0.44885535	0.4493088577
## ASM_cooc.H.PET	0.26098043	-0.3885127536
## Contrast_cooc.H.PET	0.17055417	0.4081588353
## Dissimilarity_cooc.H.PET	0.32736697	0.3969211943
## Inv_diff_cooc.H.PET	0.63646887	-0.2749626851
## Inv_diff_norm_cooc.H.PET	0.69988889	0.2271616923
## IDM_cooc.H.PET	0.57021182	-0.3716404421
## IDM_norm_cooc.H.PET	0.68511515	0.2464333216
## Inv_var_cooc_.H.PET	0.47913889	0.3433401908
## Correlation_cooc.H.PET	0.98890459	0.2879116128
## Autocorrelation_cooc.H.PET	0.63735896	-0.0173121190
## Tendency_cooc.H.PET	0.69143778	0.5761257218
## Shade_cooc.H.PET	-0.33294357	-0.3646596773
## Prominence_cooc.H.PET	0.56986654	0.7023453730
## IC1_d.H.PET	-0.62597006	0.0372839306
## IC2_d.H.PET	0.95356532	0.3531800755
## Coarseness_vdif.H.PET	0.26632862	0.0010511972
## Contrast_vdif.H.PET	0.11716067	-0.3528813451
## Busyness_vdif.H.PET	0.13710922	0.0396016987

## Complexity_vdif.H.PET	0.20603237	0.1185815018
## Strength_vdif.H.PET	-0.07094714	-0.1316127053
## SRE_align.H.PET	0.56832054	0.3896514323
## LRE_align.H.PET	0.63606938	-0.2254465717
## RLNU_align.H.PET	0.40792584	0.4993801190
## RP_align.H.PET	0.53978363	0.4158702153
## LGRE_align.H.PET	0.30980947	0.0850841188
## HGRE_align.H.PET	0.61144171	-0.0002817599
## LGSRE_align.H.PET	0.30648694	0.0834558749
## HGSRE_align.H.PET	0.55397096	0.1476525882
## LGHRE_align.H.PET	0.33241067	0.0866351609
## HGLRE_align.H.PET	0.50339790	-0.3275104466
## GLNU_norm_align.H.PET	0.36646417	-0.4605138389
## RLNU_norm_align.H.PET	0.46151305	0.4942097095
## GLVAR_align.H.PET	0.54070800	0.5814842131
## RLVAR_align.H.PET	0.49466682	-0.4054311938
## Entropy_align.H.PET	0.66967476	0.5921765619
## SZSE.H.PET	0.45426466	0.5395205445
## LZSE.H.PET	0.12784253	-0.1715848677
## LGLZE.H.PET	0.31102268	0.0921944073
## HGLZE.H.PET	0.63471104	0.0184381150
## SZLGE.H.PET	0.30287916	0.0847114360
## SZHGE.H.PET	0.40074547	0.2958609327
## LZLGE.H.PET	0.21953543	-0.2020090962
## LZHGE.H.PET	0.13345463	-0.2022429266
## GLNU_area.H.PET	0.43453322	0.3076771051
## ZSNU.H.PET	0.32880763	0.5937418067
## ZSP.H.PET	0.24149033	0.6669902143
## GLNU_norm.H.PET	0.39943645	-0.4522655634
## ZSNU_norm.H.PET	0.32094779	0.6481611826
## GLVAR_area.H.PET	0.52219900	0.5797428260
## ZSVAR_H.PET	0.13760968	-0.1931404151
## Entropy_area.H.PET	0.72081681	0.4432661901
## Max_cooc.W.PET	0.25032493	-0.3273521864
## Average_cooc.W.PET	0.34418893	0.9314046111
## Variance_cooc.W.PET	0.21710581	0.9202198499
## Entropy_cooc.W.PET	0.54126714	0.6407895857
## DAVE_cooc.W.PET	0.19678466	0.8205726869
## DVAR_cooc.W.PET	0.09368170	0.8993903593
## DENT_cooc.W.PET	0.45082413	0.6301408213
## SAVE_cooc.W.PET	0.34367429	0.9316037674
## SVAR_cooc.W.PET	0.27146006	0.9033450893
## SENT_cooc.W.PET	0.61211274	0.5615967879
## ASM_cooc.W.PET	0.28789945	-0.2346643487
## Contrast_cooc.W.PET	0.05503569	0.8822148234
## Dissimilarity_cooc.W.PET	0.19678466	0.8205726869
## Inv_diff_cooc.W.PET	0.64221501	-0.2688942323
## Inv_diff_norm_cooc.W.PET	0.71223862	0.2725100930
## IDM_cooc.W.PET	0.58335589	-0.3765663583
## IDM_norm_cooc.W.PET	0.69157247	0.2703326685
## Inv_var_cooc.W.PET	0.62516372	-0.3358424683
## Correlation_cooc.W.PET	1.00000000	0.2242959522
## Autocorrelation_cooc.W.PET	0.22429595	1.0000000000
## Tendency_cooc.W.PET	0.27146006	0.9033450893

## Shade_cooc.W.PET	0.20228088	0.5252246949
## Prominence_cooc.W.PET	0.16089083	0.5820589023
## IC1_d.W.PET	-0.55622621	-0.0684139084
## IC2_d.W.PET	0.86884367	0.3851742881
## Coarseness_vdif.W.PET	0.15416356	-0.1307714859
## Contrast_vdif.W.PET	-0.01646904	0.5831420117
## Busyness_vdif.W.PET	0.38298231	-0.4074780612
## Complexity_vdif.W.PET	0.21825203	0.8683099351
## Strength_vdif.W.PET	0.13251814	0.3313325036
## SRE_align.W.PET	0.61921854	0.3264017867
## LRE_align.W.PET	0.72393095	-0.0381048355
## GLNU_align.W.PET	0.52217733	0.0961739718
## RLNU_align.W.PET	0.43126757	0.4568883254
## RP_align.W.PET	0.60425895	0.3448422276
## LGRE_align.W.PET	0.33445468	-0.4707553239
## HGRE_align.W.PET	0.20928002	0.9983630809
## LGSRE_align.W.PET	0.33933771	-0.4562103091
## HGSRE_align.W.PET	0.20095667	0.9980462914
## LGHRE_align.W.PET	0.30130404	-0.4819589937
## HGLRE_align.W.PET	0.24609899	0.9964114753
## GLNU_norm_align.W.PET	0.35320380	-0.4230910776
## RLNU_norm_align.W.PET	0.56282838	0.4017237756
## GLVAR_align.W.PET	0.22615168	0.9514174170
## RLVAR_align.W.PET	0.52246107	-0.3903986057
## Entropy_align.W.PET	0.63929283	0.5917467618
## SZSE.W.PET	0.53443682	0.4239435419
## LZSE.W.PET	0.29110827	-0.3297292527
## LGLZE.W.PET	0.36606383	-0.4680938512
## HGLZE.W.PET	0.21262948	0.9973691213
## SZLGE.W.PET	0.36936778	-0.3970773826
## SZHGE.W.PET	0.19144223	0.9932921442
## LZLGE.W.PET	0.12389749	-0.2714022138
## LZHGE.W.PET	0.40022150	0.7598627551
## GLNU_area.W.PET	0.49069339	0.1895433506
## ZSNU.W.PET	0.38207655	0.5237127599
## ZSP.W.PET	0.43720403	0.5300365469
## GLNU_norm.W.PET	0.38265413	-0.4220933868
## ZSNU_norm.W.PET	0.42736740	0.5447419321
## GLVAR_area.W.PET	0.23056073	0.9492260058
## ZSVAR.W.PET	0.21667073	-0.3149348523
## Entropy_area.W.PET	0.70146715	0.4991133022
## Min_hist.ADC	0.15453907	0.0895165793
## Max_hist.ADC	0.59322978	0.2467894916
## Mean_hist.ADC	0.50893845	0.1573082522
## Variance_hist.ADC	0.34365809	0.0925115944
## Standard_Deviation_hist.ADC	0.50568818	0.1747305001
## Skewness_hist.ADC	0.27666894	0.2521891179
## Kurtosis_hist.ADC	0.28472734	0.1737489904
## Energy_hist.ADC	0.29776710	-0.0034870468
## Entropy_hist.ADC	0.67460599	0.3040688225
## AUC_hist.ADC	0.64946472	0.2986321993
## Volume.ADC	0.33610821	0.3604136012
## X3D_surface.ADC	0.39744595	0.2330670397
## ratio_3ds_vol.ADC	0.31679482	0.0294160127

## ratio_3ds_vol_norm.ADC	0.62798530	0.2481744821
## irregularity.ADC	0.57872600	0.2398536801
## Compactness_v1.ADC	0.45511301	0.0935132143
##	Tendency_cooc.W.PET	Shade_cooc.W.PET
## Failure	-0.1189942599	-0.0804828568
## Entropy_cooc.W.ADC	0.0683620273	0.0634251750
## GLNU_align.H.PET	0.0185640381	0.0283317744
## Min_hist.PET	0.7247756801	0.2812441529
## Max_hist.PET	0.8381773860	0.4599390324
## Mean_hist.PET	0.7813159179	0.3259274701
## Variance_hist.PET	0.9861840585	0.7204030131
## Standard_Deviation_hist.PET	0.8857419848	0.5159769990
## Skewness_hist.PET	0.0808225378	0.1682025457
## Kurtosis_hist.PET	-0.0421144684	0.0478743379
## Energy_hist.PET	0.0068851957	0.0247124761
## Entropy_hist.PET	0.3246399709	0.0993868383
## AUC_hist.PET	0.2277946531	0.0510573307
## H_suv.PET	0.7463320234	0.3614514013
## Volume.PET	0.2928375888	0.1081812589
## X3D_surface.PET	0.2907448901	0.1604344371
## ratio_3ds_vol.PET	0.0094451191	0.0441034181
## ratio_3ds_vol_norm.PET	0.2270872828	0.2026125462
## irregularity.PET	0.1722205877	0.0181349959
## tumor_length.PET	0.3796382076	0.1981709747
## Compactness_v1.PET	0.1190848047	0.0440081156
## Compactness_v2.PET	0.1833521434	-0.0038009229
## Spherical_disproportion.PET	0.2270872828	0.2026125462
## Sphericity.PET	0.1584697339	-0.0234935597
## Asphericity.PET	0.2233108100	0.2047855132
## Center_of_mass.PET	0.5543593739	0.5876700407
## Max_3D_diam.PET	0.4071809580	0.1460123722
## Major_axis_length.PET	0.4699807821	0.1848400682
## Minor_axis_length.PET	0.3608968459	0.1465913994
## Least_axis_length.PET	0.4007570195	0.1784966779
## Elongation.PET	0.0483063029	-0.0383105794
## Flatness.PET	0.1136957785	0.0077249366
## Max_cooc.L.PET	0.0425300975	0.0530758172
## Average_cooc.L.PET	0.1358562462	-0.0888322812
## Variance_cooc.L.PET	0.0312632983	-0.0515808118
## Entropy_cooc.L.PET	0.2561875192	0.0306249927
## DAVE_cooc.L.PET	0.0615054125	-0.0872886883
## DVAR_cooc.L.PET	0.1116404951	0.0277945821
## DENT_cooc.L.PET	0.2003923848	0.0011493629
## SAVE_cooc.L.PET	0.1358606061	-0.0889256316
## SVAR_cooc.L.PET	0.0554823880	-0.0129639572
## SENT_cooc.L.PET	0.2119816866	0.0369017630
## ASM_cooc.L.PET	0.0436623725	0.0491991525
## Contrast_cooc.L.PET	-0.0114194884	-0.1059864806
## Dissimilarity_cooc.L.PET	0.0615054125	-0.0872886883
## Inv_diff_cooc.L.PET	0.2881159583	0.1650703969
## Inv_diff_norm_cooc.L.PET	0.2569016786	0.0672718242
## IDM_cooc.L.PET	0.2760904725	0.1936888457
## IDM_norm_cooc.L.PET	0.2488505590	0.0566357854
## Inv_var_cooc.L.PET	0.2821194738	0.1956107289

## Correlation_cooc.L.PET	0.2586762066	0.1957114136
## Autocorrelation_cooc.L.PET	0.0395433311	-0.1339956059
## Tendency_cooc.L.PET	0.0554823880	-0.0129639572
## Shade_cooc.L.PET	0.1326524534	0.2093515979
## Prominence_cooc.L.PET	-0.0121936551	0.0045121648
## IC1_.L.PET	0.0396446651	-0.0108425707
## IC2_.L.PET	0.1560031619	0.0584337665
## Coarseness_vdif_.L.PET	-0.0399338705	-0.0111743153
## Contrast_vdif_.L.PET	-0.1078809651	-0.0853390260
## Busyness_vdif_.L.PET	0.3267287965	0.2075947481
## Complexity_vdif_.L.PET	0.0642637032	-0.0531399259
## Strength_vdif_.L.PET	-0.1368642252	-0.0538155657
## SRE_align.L.PET	0.2328648857	0.0397697610
## LRE_align.L.PET	0.2595929790	0.0745579417
## GLNU_align.L.PET	0.3371332446	0.2065868264
## RLNU_align.L.PET	0.3597159250	0.1748506292
## RP_align.L.PET	0.2301886491	0.0369038350
## LGRE_align.L.PET	0.1138936219	0.1354788190
## HGRE_align.L.PET	0.0452996705	-0.1348273084
## LGSRE_align.L.PET	0.1123646815	0.1301724383
## HGSRE_align.L.PET	0.0426983226	-0.1350166330
## LGHRE_align.L.PET	0.1200297698	0.1579989892
## HGLRE_align.L.PET	0.0560915687	-0.1334127145
## GLNU_norm_align.L.PET	0.0962602044	0.0794681614
## RLNU_norm_align.L.PET	0.2220894771	0.0284369511
## GLVAR_align.L.PET	0.0436584721	-0.0700694959
## RLVAR_align.L.PET	0.2305850594	0.1895047050
## Entropy_align.L.PET	0.2598395680	0.0375787033
## SZSE.L.PET	0.2298047241	0.0365509616
## LZSE.L.PET	0.2031830750	0.1014072048
## LGLZE.L.PET	0.1068606876	0.1209337633
## HGLZE.L.PET	0.0525696246	-0.1267534885
## SZLGE.L.PET	0.1008705698	0.1043219378
## SZHGE.L.PET	0.0553393816	-0.1187800152
## LZLGE.L.PET	0.1442316589	0.2374855154
## LZHGE.L.PET	0.0416554205	-0.1219115922
## GLNU_area.L.PET	0.3384818059	0.1977167562
## ZSNU.L.PET	0.3561405097	0.1611128788
## ZSP.L.PET	0.2178775837	0.0222029486
## GLNU_norm.L.PET	0.0952653708	0.0764634030
## ZSNU_norm.L.PET	0.2038890886	0.0088851416
## GLVAR_area.L.PET	0.0539602036	-0.0630645184
## ZSVAR.L.PET	0.2601521547	0.2569995949
## Entropy_area.L.PET	0.2720080417	0.0509957556
## Max_cooc.H.PET	-0.3899139061	-0.1794065034
## Average_cooc.H.PET	0.0939820571	-0.0248747932
## Variance_cooc.H.PET	0.4676819565	0.1350020009
## Entropy_cooc.H.PET	0.4561645564	0.1802462386
## DAVE_cooc.H.PET	0.3218703695	0.0230380899
## DVAR_cooc.H.PET	0.2695639356	-0.0191957339
## DENT_cooc.H.PET	0.2969751095	0.0159444204
## SAVE_cooc.H.PET	0.1576652952	0.0025437246
## SVAR_cooc.H.PET	0.4102512722	0.1150330040
## SENT_cooc.H.PET	0.4674469454	0.2267658100

## ASM_cooc.H.PET	-0.3491283302	-0.1586046712
## Contrast_cooc.H.PET	0.3069050059	-0.0075140331
## Dissimilarity_cooc.H.PET	0.3218703695	0.0230380899
## Inv_diff_cooc.H.PET	-0.2427377244	-0.1278268980
## Inv_diff_norm_cooc.H.PET	0.2140430547	0.0475290577
## IDM_cooc.H.PET	-0.3344502656	-0.1687271620
## IDM_norm_cooc.H.PET	0.2299787878	0.0504945102
## Inv_var_cooc_.H.PET	0.4077697045	0.2903405087
## Correlation_cooc.H.PET	0.3242669501	0.2279607040
## Autocorrelation_cooc.H.PET	-0.0109465971	-0.0635080598
## Tendency_cooc.H.PET	0.5127338983	0.1999159853
## Shade_cooc.H.PET	-0.2076111235	0.0538931848
## Prominence_cooc.H.PET	0.5996093959	0.2413420271
## IC1_d.H.PET	-0.0115606299	-0.0876101677
## IC2_d.H.PET	0.3896378047	0.2436727393
## Coarseness_vdif.H.PET	0.0454850165	0.0455625425
## Contrast_vdif.H.PET	-0.3567890951	-0.2000517793
## Busyness_vdif.H.PET	0.0155591994	-0.0310779639
## Complexity_vdif.H.PET	0.1123632079	-0.0168124125
## Strength_vdif.H.PET	-0.1099208421	-0.0491648793
## SRE_align.H.PET	0.3600089092	0.1034951570
## LRE_align.H.PET	-0.2182390345	-0.1402619276
## RLNU_align.H.PET	0.4426015706	0.2228747706
## RP_align.H.PET	0.3848604326	0.1156527400
## LGRE_align.H.PET	0.1038670553	0.0655610280
## HGRE_align.H.PET	-0.0001943203	-0.0606152475
## LGSRE_align.H.PET	0.1026091916	0.0650540330
## HGSRE_align.H.PET	0.1467770691	0.0080509999
## LGHRE_align.H.PET	0.1042784140	0.0656184209
## HGLRE_align.H.PET	-0.3214366689	-0.1844271546
## GLNU_norm_align.H.PET	-0.4108034246	-0.2166454323
## RLNU_norm_align.H.PET	0.4591522643	0.1525129917
## GLVAR_align.H.PET	0.4797804690	0.1318905142
## RLVAR_align.H.PET	-0.3818795319	-0.1905390006
## Entropy_align.H.PET	0.5354380135	0.2120488295
## SZSE.H.PET	0.5095931010	0.1877048014
## LZSE.H.PET	-0.1600266483	-0.0714223168
## LGLZE.H.PET	0.1067890842	0.0637767191
## HGLZE.H.PET	0.0535909800	-0.0160415004
## SZLGE.H.PET	0.1019848633	0.0629548381
## SZHGE.H.PET	0.3343911292	0.1379412455
## LZLGE.H.PET	-0.1870788807	-0.0800201689
## LZHGE.H.PET	-0.1926825124	-0.0864988082
## GLNU_area.H.PET	0.2762087613	0.1219510971
## ZSNU.H.PET	0.5249179358	0.2675882481
## ZSP.H.PET	0.6316246522	0.2558068028
## GLNU_norm.H.PET	-0.4115620455	-0.2228261670
## ZSNU_norm.H.PET	0.6193592782	0.2520910243
## GLVAR_area.H.PET	0.4715217461	0.1192340367
## ZSVAR_H.PET	-0.1819741643	-0.0809460144
## Entropy_area.H.PET	0.3939624524	0.1370149179
## Max_cooc.W.PET	-0.2799635011	-0.1210790764
## Average_cooc.W.PET	0.8192840515	0.3808481256
## Variance_cooc.W.PET	0.9907609061	0.7481610695

## Entropy_cooc.W.PET	0.5882702017	0.2364831338
## DAVE_cooc.W.PET	0.7832582963	0.3805613429
## DVAR_cooc.W.PET	0.9195414057	0.6130259552
## DENT_cooc.W.PET	0.5917117321	0.2392850254
## SAVE_cooc.W.PET	0.8193769487	0.3808371295
## SVAR_cooc.W.PET	1.0000000000	0.8060088152
## SENT_cooc.W.PET	0.5456405495	0.2395881929
## ASM_cooc.W.PET	-0.1908864113	-0.0726670747
## Contrast_cooc.W.PET	0.8780306909	0.5298189996
## Dissimilarity_cooc.W.PET	0.7832582963	0.3805613429
## Inv_diff_cooc.W.PET	-0.2531707552	-0.1655873525
## Inv_diff_norm_cooc.W.PET	0.2509975041	0.0642660938
## IDM_cooc.W.PET	-0.3509968125	-0.1980154699
## IDM_norm_cooc.W.PET	0.2470695478	0.0556856912
## Inv_var_cooc.W.PET	-0.3133517531	-0.1854797695
## Correlation_cooc.W.PET	0.2714600576	0.2022808759
## Autocorrelation_cooc.W.PET	0.9033450893	0.5252246949
## Tendency_cooc.W.PET	1.0000000000	0.8060088152
## Shade_cooc.W.PET	0.8060088152	1.0000000000
## Prominence_cooc.W.PET	0.8043381963	0.9768654799
## IC1_d.W.PET	-0.1382694382	-0.1575110767
## IC2_d.W.PET	0.4281863783	0.2468237946
## Coarseness_vdif.W.PET	-0.0821448355	-0.0334192973
## Contrast_vdif.W.PET	0.5884941830	0.2568544986
## Busyness_vdif.W.PET	-0.3822489661	-0.2098433961
## Complexity_vdif.W.PET	0.9436489326	0.8273790201
## Strength_vdif.W.PET	0.5238428709	0.4344822345
## SRE_align.W.PET	0.3005000005	0.0757277802
## LRE_align.W.PET	-0.0443934470	-0.0768650788
## GLNU_align.W.PET	0.0855547858	0.0319203806
## RLNU_align.W.PET	0.4064161908	0.2057194333
## RP_align.W.PET	0.3179707613	0.0840312632
## LGRE_align.W.PET	-0.3750837675	-0.1743192531
## HGRE_align.W.PET	0.9011508830	0.5272536076
## LGSRE_align.W.PET	-0.3573323345	-0.1675225580
## HGSRE_align.W.PET	0.9044213900	0.5327508503
## LGHRE_align.W.PET	-0.4047938651	-0.1839835572
## HGLRE_align.W.PET	0.8848441118	0.5036895499
## GLNU_norm_align.W.PET	-0.3703539507	-0.1907953098
## RLNU_norm_align.W.PET	0.3723421915	0.1105838838
## GLVAR_align.W.PET	0.9861484224	0.7218039790
## RLVAR_align.W.PET	-0.3640262415	-0.1808322791
## Entropy_align.W.PET	0.5353825150	0.2095538803
## SZSE.W.PET	0.3960602636	0.1288544113
## LZSE.W.PET	-0.3160269670	-0.1561182197
## LGLZE.W.PET	-0.3811428912	-0.1842712519
## HGLZE.W.PET	0.9134301705	0.5495421882
## SZLGE.W.PET	-0.3099202703	-0.1548916146
## SZHGE.W.PET	0.9232740478	0.5693377926
## LZLGE.W.PET	-0.2484647052	-0.1098577336
## LZHGE.W.PET	0.6274765053	0.3261160764
## GLNU_area.W.PET	0.1702784864	0.0716097934
## ZSNU.W.PET	0.4661301183	0.2381463846
## ZSP.W.PET	0.4973795096	0.1801069326

## GLNU_norm.W.PET	-0.3730851840	-0.1946377156	
## ZSNU_norm.W.PET	0.5133849361	0.1906772903	
## GLVAR_area.W.PET	0.9864463812	0.7260554559	
## ZSVAR.W.PET	-0.3003056233	-0.1413154502	
## Entropy_area.W.PET	0.4480337297	0.1637328996	
## Min_hist.ADC	0.0347482891	-0.0431975427	
## Max_hist.ADC	0.2218911124	0.0609487262	
## Mean_hist.ADC	0.1410913064	0.0106032649	
## Variance_hist.ADC	0.1004821259	0.0565843672	
## Standard_Deviation_hist.ADC	0.1734213415	0.0674415963	
## Skewness_hist.ADC	0.2067591824	0.1081203231	
## Kurtosis_hist.ADC	0.1855030040	0.1055773287	
## Energy_hist.ADC	0.0339292214	0.0376429684	
## Entropy_hist.ADC	0.2757577704	0.0624819666	
## AUC_hist.ADC	0.2647370989	0.0595574441	
## Volume.ADC	0.2723895679	0.0972241078	
## X3D_surface.ADC	0.2012241216	0.0594697076	
## ratio_3ds_vol.ADC	0.0336184473	-0.0138874021	
## ratio_3ds_vol_norm.ADC	0.2317456653	0.0500065599	
## irregularity.ADC	0.2145971608	0.0441391284	
## Compactness_v1.ADC	0.1111654147	0.0439294376	
##	Prominence_cooc.W.PET	IC1_d.W.PET	IC2_d.W.PET
## Failure	-0.0830084823	0.0803166399	-0.05857599
## Entropy_cooc.W.ADC	0.0731527001	-0.1423250936	0.09870744
## GLNU_align.H.PET	0.0250033804	-0.0687071095	0.03849515
## Min_hist.PET	0.2788208812	0.0022888797	0.51462584
## Max_hist.PET	0.4571226692	-0.0894487287	0.60822477
## Mean_hist.PET	0.3387950852	-0.0194233924	0.53914663
## Variance_hist.PET	0.7357059000	-0.0904914334	0.41490864
## Standard_Deviation_hist.PET	0.5087835743	-0.0814139274	0.61244310
## Skewness_hist.PET	0.0539057514	-0.1231521303	0.50051017
## Kurtosis_hist.PET	0.0023212609	0.0283094448	0.12092698
## Energy_hist.PET	-0.0055786425	0.4503134578	0.38512853
## Entropy_hist.PET	0.0876533010	-0.2165302857	0.79182464
## AUC_hist.PET	0.0137687642	-0.1079350506	0.85064261
## H_suv.PET	0.3536980593	0.1121819684	0.52576071
## Volume.PET	0.1415594104	-0.1769343196	0.29112801
## X3D_surface.PET	0.1356880821	-0.1886472699	0.35945878
## ratio_3ds_vol.PET	-0.0191676451	0.1032053813	0.48480812
## ratio_3ds_vol_norm.PET	0.1424120307	-0.0746610332	0.65798393
## irregularity.PET	-0.0226447767	-0.1210647377	0.80842839
## tumor_length.PET	0.1724833168	-0.2098391318	0.68105140
## Compactness_v1.PET	0.0271018522	0.4189399823	0.47191383
## Compactness_v2.PET	0.0273519405	-0.1121879142	0.13225680
## Spherical_disproportion.PET	0.1424120307	-0.0746610332	0.65798393
## Sphericity.PET	0.0035349134	-0.1983110803	0.11204355
## Asphericity.PET	0.1445230794	-0.0709016448	0.64235782
## Center_of_mass.PET	0.5334820119	-0.3954141290	0.59108348
## Max_3D_diam.PET	0.1571082969	-0.3320390213	0.48261460
## Major_axis_length.PET	0.1983696832	-0.2622293277	0.52986959
## Minor_axis_length.PET	0.1284031853	-0.2809270139	0.67171106
## Least_axis_length.PET	0.1675973249	-0.3422293901	0.61611613
## Elongation.PET	-0.0777043747	-0.0514517220	0.70403366
## Flatness.PET	-0.0261558146	-0.1540286520	0.71024066

## Max_cooc.L.PET	0.0226197937	0.4243516780	0.43193271
## Average_cooc.L.PET	-0.0725123698	-0.0423063032	0.61679504
## Variance_cooc.L.PET	-0.0864953267	0.0024227435	0.44271343
## Entropy_cooc.L.PET	0.0083173225	-0.1413106365	0.81776643
## DAVE_cooc.L.PET	-0.1102202506	0.1456858153	0.45885613
## DVAR_cooc.L.PET	-0.0178750738	0.2419640661	0.38074193
## DENT_cooc.L.PET	-0.0289492446	-0.0548063159	0.75815784
## SAVE_cooc.L.PET	-0.0725655239	-0.0428848757	0.61656308
## SVAR_cooc.L.PET	-0.0542756900	-0.1624043079	0.53967883
## SENT_cooc.L.PET	0.0025355845	-0.1210000499	0.83879421
## ASM_cooc.L.PET	0.0205441633	0.4466110663	0.40863450
## Contrast_cooc.L.PET	-0.1260358646	0.2637284120	0.22903755
## Dissimilarity_cooc.L.PET	-0.1102202506	0.1456858153	0.45885613
## Inv_diff_cooc.L.PET	0.1297100621	-0.1694091724	0.85666440
## Inv_diff_norm_cooc.L.PET	0.0348261902	-0.1624953537	0.87351732
## IDM_cooc.L.PET	0.1574807887	-0.1173335953	0.80087776
## IDM_norm_cooc.L.PET	0.0246148992	-0.1503152106	0.86439033
## Inv_var_cooc.L.PET	0.1597344105	-0.1199099910	0.80421046
## Correlation_cooc.L.PET	0.1548909326	-0.5584262991	0.86557537
## Autocorrelation_cooc.L.PET	-0.1021447581	-0.0355886092	0.44565603
## Tendency_cooc.L.PET	-0.0542756900	-0.1624043079	0.53967883
## Shade_cooc.L.PET	0.0853156580	-0.3259251171	0.41549653
## Prominence_cooc.L.PET	-0.0585714482	-0.1945695243	0.41214204
## IC1_.L.PET	0.0260200813	0.4006228530	-0.33708448
## IC2_.L.PET	0.0108679376	-0.1700636782	0.81142713
## Coarseness_vdif_.L.PET	-0.0420677570	0.3525333600	0.41157739
## Contrast_vdif_.L.PET	-0.0954896020	0.2214446108	0.02558281
## Busyness_vdif_.L.PET	0.1748100517	-0.1807381011	0.35669384
## Complexity_vdif_.L.PET	-0.0887951283	0.2439113754	0.41233468
## Strength_vdif_.L.PET	-0.1024083406	0.0084806786	0.20998943
## SRE_align.L.PET	0.0076149368	-0.1154465246	0.84086979
## LRE_align.L.PET	0.0426520410	-0.1680466602	0.87074373
## GLNU_align.L.PET	0.1855363494	-0.2319319076	0.36987627
## RLNU_align.L.PET	0.1727533599	-0.2332364819	0.33844585
## RP_align.L.PET	0.0047304114	-0.1126546981	0.83851782
## LGRE_align.L.PET	0.0613926215	0.1085742828	0.58105905
## HGRE_align.L.PET	-0.1026066055	0.0152653719	0.43028342
## LGSRE_align.L.PET	0.0565026042	0.1179921450	0.58236074
## HGSRE_align.L.PET	-0.1039863256	0.0208905104	0.42553855
## LGHRE_align.L.PET	0.0831543504	0.0719582642	0.57275729
## HGLRE_align.L.PET	-0.0964677339	-0.0079084897	0.44846927
## GLNU_norm_align.L.PET	0.0289126033	0.2650703937	0.60979936
## RLNU_norm_align.L.PET	-0.0037513652	-0.1020591877	0.82966883
## GLVAR_align.L.PET	-0.0874591735	0.0009014467	0.46607511
## RLVAR_align.L.PET	0.1596487980	0.1054972445	0.69304390
## Entropy_align.L.PET	0.0172716442	-0.1582469051	0.83533841
## SZSE.L.PET	0.0046362733	-0.0857224096	0.80763023
## LZSE.L.PET	0.0829057342	-0.2092391679	0.67168233
## LGLZE.L.PET	0.0494367038	0.1205226529	0.58500465
## HGLZE.L.PET	-0.0975509962	0.0152012310	0.43742332
## SZLGE.L.PET	0.0364542736	0.1565345060	0.57856825
## SZHGE.L.PET	-0.0947428195	0.0360194581	0.42217179
## LZLGE.L.PET	0.1707596120	-0.0219262961	0.51957437
## LZHGE.L.PET	-0.0789088290	-0.0682737861	0.40959614

## GLNU_area.L.PET	0.1777490942	-0.2302125934	0.36667630
## ZSNU.L.PET	0.1610007350	-0.2237035309	0.32682424
## ZSP.L.PET	-0.0107803165	-0.0823688092	0.80540960
## GLNU_norm.L.PET	0.0264332323	0.2677580828	0.61033919
## ZSNU_norm.L.PET	-0.0244185578	-0.0710091086	0.79779916
## GLVAR_area.L.PET	-0.0811823409	0.0043028909	0.47502351
## ZSVAR.L.PET	0.2519417570	-0.1488159271	0.54922789
## Entropy_area.L.PET	0.0305117213	-0.1702730761	0.84646474
## Max_cooc.H.PET	-0.1931606063	-0.0851319407	0.22028645
## Average_cooc.H.PET	-0.0582859945	-0.1656114256	0.79858255
## Variance_cooc.H.PET	0.1252534381	-0.0618933108	0.76005896
## Entropy_cooc.H.PET	0.1593862898	-0.0819191871	0.72525777
## DAVE_cooc.H.PET	0.0054306334	0.1195738298	0.63868531
## DVAR_cooc.H.PET	-0.0221813107	0.1389628958	0.59728940
## DENT_cooc.H.PET	-0.0203991267	-0.1295767466	0.66301665
## SAVE_cooc.H.PET	-0.0338451455	-0.1899314194	0.83394391
## SVAR_cooc.H.PET	0.0977020276	-0.2126767526	0.82879412
## SENT_cooc.H.PET	0.1899021729	0.0915517978	0.70171012
## ASM_cooc.H.PET	-0.1673697738	0.0047720637	0.20764411
## Contrast_cooc.H.PET	-0.0125653425	0.2168820763	0.51239989
## Dissimilarity_cooc.H.PET	0.0054306334	0.1195738298	0.63868531
## Inv_diff_cooc.H.PET	-0.1524554843	-0.2593834086	0.59380035
## Inv_diff_norm_cooc.H.PET	0.0138713479	-0.1660371797	0.86359529
## IDM_cooc.H.PET	-0.1899880617	-0.2475664573	0.49350007
## IDM_norm_cooc.H.PET	0.0169085566	-0.1515557145	0.86022440
## Inv_var_cooc.H.PET	0.2434362414	0.2834320154	0.63652066
## Correlation_cooc.H.PET	0.1962631488	-0.5369674461	0.87992998
## Autocorrelation_cooc.H.PET	-0.0962319032	-0.1974214708	0.75033256
## Tendency_cooc.H.PET	0.1885053152	-0.2070213317	0.82586313
## Shade_cooc.H.PET	0.0045100397	0.0421858487	-0.42291350
## Prominence_cooc.H.PET	0.2542175819	-0.1708611241	0.67558764
## IC1_d.H.PET	-0.0713742429	0.9570351271	-0.41749760
## IC2_d.H.PET	0.1994533440	-0.5097000683	0.96604571
## Coarseness_vdif.H.PET	0.0163118483	0.4483169588	0.39985906
## Contrast_vdif.H.PET	-0.1895260172	0.0349554236	0.10751679
## Busyness_vdif.H.PET	-0.0389877653	-0.2480414824	0.06772619
## Complexity_vdif.H.PET	-0.0402717903	0.3019377682	0.49127543
## Strength_vdif.H.PET	-0.0534544915	0.0479985037	-0.03583113
## SRE_align.H.PET	0.0708251979	-0.0332170325	0.81533034
## LRE_align.H.PET	-0.1561239293	-0.3647539667	0.57994537
## RLNU_align.H.PET	0.2259464523	-0.1688655726	0.32383189
## RP_align.H.PET	0.0833109936	-0.0118803934	0.80161653
## LGRE_align.H.PET	0.0433493285	0.4450135463	0.43449902
## HGRE_align.H.PET	-0.0923172169	-0.1742211224	0.73610222
## LGSRE_align.H.PET	0.0428160678	0.4475155962	0.43147501
## HGSRE_align.H.PET	-0.0312048455	-0.0807559106	0.75912115
## LGHRE_align.H.PET	0.0434195816	0.4247476924	0.45233748
## HGLRE_align.H.PET	-0.1881379109	-0.3901980483	0.40260591
## GLNU_norm_align.H.PET	-0.2410833675	-0.0717858669	0.34659356
## RLNU_norm_align.H.PET	0.1212733636	0.0396292599	0.75676615
## GLVAR_align.H.PET	0.1308658441	-0.0664766291	0.74555224
## RLVAR_align.H.PET	-0.1957899058	-0.4395066639	0.32607498
## Entropy_align.H.PET	0.1950625380	-0.1894203299	0.86037750
## SZSE.H.PET	0.1523845065	0.0112049966	0.74085097

## LZSE.H.PET	-0.0685248084	-0.3921549307	0.04348681
## LGLZE.H.PET	0.0428896939	0.4432306159	0.43660588
## HGLZE.H.PET	-0.0751168266	-0.2162040225	0.73365418
## SZLGE.H.PET	0.0412450698	0.4489050526	0.42871122
## SZHGE.H.PET	0.0721118083	-0.0644269846	0.68114316
## LZLGE.H.PET	-0.0778228900	-0.3924451821	0.12600785
## LZHGE.H.PET	-0.0799228359	-0.3664432334	0.03551191
## GLNU_area.H.PET	0.1036703342	-0.1941374010	0.32469045
## ZSNU.H.PET	0.2791509452	-0.1162387122	0.28138613
## ZSP.H.PET	0.2247922232	0.1197252270	0.57464425
## GLNU_norm.H.PET	-0.2429199049	-0.0923925473	0.37214134
## ZSNU_norm.H.PET	0.2171374135	0.0595953087	0.64834610
## GLVAR_area.H.PET	0.1193082322	-0.0487241681	0.72299799
## ZSVAR_H.PET	-0.0758523108	-0.3855869018	0.04293197
## Entropy_area.H.PET	0.1181580165	-0.1877093283	0.86637407
## Max_cooc.W.PET	-0.1371285612	0.1186200499	0.25634353
## Average_cooc.W.PET	0.4098989265	-0.0588709797	0.57339234
## Variance_cooc.W.PET	0.7462398049	-0.0978838432	0.42140352
## Entropy_cooc.W.PET	0.2156830140	-0.0834403451	0.78534379
## DAVE_cooc.W.PET	0.3666172241	0.0372069294	0.53224601
## DVAR_cooc.W.PET	0.6112985480	-0.0114159457	0.38050296
## DENT_cooc.W.PET	0.2114719926	-0.0194168374	0.74523242
## SAVE_cooc.W.PET	0.4099500579	-0.0598193843	0.57270556
## SVAR_cooc.W.PET	0.8043381963	-0.1382694382	0.42818638
## SENT_cooc.W.PET	0.2054339623	-0.1015893425	0.85609488
## ASM_cooc.W.PET	-0.0911094034	0.2413822748	0.31208899
## Contrast_cooc.W.PET	0.5274472999	0.0160268242	0.36550874
## Dissimilarity_cooc.W.PET	0.3666172241	0.0372069294	0.53224601
## Inv_diff_cooc.W.PET	-0.1908902424	-0.2086860038	0.62593750
## Inv_diff_norm_cooc.W.PET	0.0319597251	-0.1627494184	0.87228068
## IDM_cooc.W.PET	-0.2186517008	-0.2236211395	0.51627710
## IDM_norm_cooc.W.PET	0.0237139482	-0.1491845908	0.86352591
## Inv_var_cooc.W.PET	-0.2098065827	-0.2026733759	0.57694054
## Correlation_cooc.W.PET	0.1608908251	-0.5562262112	0.86884367
## Autocorrelation_cooc.W.PET	0.5820589023	-0.0684139084	0.38517429
## Tendency_cooc.W.PET	0.8043381963	-0.1382694382	0.42818638
## Shade_cooc.W.PET	0.9768654799	-0.1575110767	0.24682379
## Prominence_cooc.W.PET	1.0000000000	-0.1263486965	0.19255345
## IC1_d.W.PET	-0.1263486965	1.0000000000	-0.45591702
## IC2_d.W.PET	0.1925534541	-0.4559170245	1.00000000
## Coarseness_vdif.W.PET	-0.0595485183	0.3386507185	0.35289859
## Contrast_vdif.W.PET	0.2332788361	0.1766544692	0.40708163
## Busyness_vdif.W.PET	-0.2204396904	-0.3870187494	0.17454985
## Complexity_vdif.W.PET	0.8558128629	-0.0966926901	0.33303640
## Strength_vdif.W.PET	0.3539743082	-0.1443587044	0.41479697
## SRE_align.W.PET	0.0429685031	-0.0830671628	0.83855000
## LRE_align.W.PET	-0.1014063336	-0.3216365623	0.76809234
## GLNU_align.W.PET	0.0085458388	-0.3418487831	0.35027538
## RLNU_align.W.PET	0.2052073100	-0.1984987686	0.33387193
## RP_align.W.PET	0.0512466867	-0.0682391362	0.83276374
## LGRE_align.W.PET	-0.2150049548	-0.0596847659	0.33814786
## HGRE_align.W.PET	0.5845559791	-0.0584142781	0.37591332
## LGSRE_align.W.PET	-0.2118053405	-0.0295336379	0.36243983
## HGSRE_align.W.PET	0.5888393696	-0.0553388016	0.37113243

## LGHRE_align.W.PET	-0.2092531336	-0.1837272202	0.23739782
## HGLRE_align.W.PET	0.5660076656	-0.0755414276	0.39659607
## GLNU_norm_align.W.PET	-0.2173081545	0.0085132148	0.35592848
## RLNU_norm_align.W.PET	0.0777311937	-0.0348952537	0.81551079
## GLVAR_align.W.PET	0.7375270677	-0.0920654889	0.41491957
## RLVAR_align.W.PET	-0.1895299705	-0.3459395382	0.37859089
## Entropy_align.W.PET	0.1918211363	-0.1555418257	0.84393930
## SZSE.W.PET	0.0955711538	-0.0199755195	0.79164024
## LZSE.W.PET	-0.1516514204	-0.3679406125	0.16246288
## LGLZE.W.PET	-0.2218039984	-0.0565406846	0.36027528
## HGLZE.W.PET	0.6018494227	-0.0651650201	0.38413761
## SZLGE.W.PET	-0.1984327663	0.0332458146	0.41279776
## SZHGE.W.PET	0.6165543819	-0.0612284611	0.37254226
## LZLGE.W.PET	-0.1075654712	-0.2851360915	0.02646940
## LZHGE.W.PET	0.3970311539	-0.2069209532	0.44742497
## GLNU_area.W.PET	0.0493200364	-0.2791051096	0.34580740
## ZSNU.W.PET	0.2425932968	-0.1541856758	0.30956791
## ZSP.W.PET	0.1469740772	0.0405819055	0.73246210
## GLNU_norm.W.PET	-0.2198171930	-0.0046069316	0.38191772
## ZSNU_norm.W.PET	0.1573707622	0.0379317579	0.73513363
## GLVAR_area.W.PET	0.7409918627	-0.0937367428	0.42070978
## ZSVAR.W.PET	-0.1347455911	-0.3445706293	0.08734735
## Entropy_area.W.PET	0.1446388966	-0.1909668478	0.87070160
## Min_hist.ADC	-0.0407055672	-0.0117419799	0.26003572
## Max_hist.ADC	0.0313420455	-0.1078900316	0.72555799
## Mean_hist.ADC	-0.0270840126	-0.1062074976	0.70851080
## Variance_hist.ADC	0.0477455502	-0.0150516866	0.37398116
## Standard_Deviation_hist.ADC	0.0479231377	-0.0750789317	0.60857159
## Skewness_hist.ADC	0.1309406920	-0.0324349535	0.22575991
## Kurtosis_hist.ADC	0.0785689141	-0.1145081533	0.32386776
## Energy_hist.ADC	0.0110928743	0.4302237375	0.41930084
## Entropy_hist.ADC	0.0309619947	-0.1511326132	0.81740386
## AUC_hist.ADC	0.0345016798	-0.0925009406	0.82451441
## Volume.ADC	0.1307170382	-0.1569894694	0.26149238
## X3D_surface.ADC	0.0442562937	-0.0808565013	0.36805672
## ratio_3ds_vol.ADC	-0.0343162041	-0.0064109755	0.54796352
## ratio_3ds_vol_norm.ADC	0.0159014149	-0.1338728170	0.78576244
## irregularity.ADC	0.0194992233	-0.1028785331	0.80414432
## Compactness_v1.ADC	0.0138078326	0.2926973262	0.61575812
##	Coarseness_vdif.W.PET	Contrast_vdif.W.PET	
## Failure	0.0974207633	0.013307230	
## Entropy_cooc.W.ADC	-0.0669514053	-0.133587941	
## GLNU_align.H.PET	-0.1065812391	-0.180535111	
## Min_hist.PET	0.0417262998	0.776187372	
## Max_hist.PET	-0.0336993205	0.657158070	
## Mean_hist.PET	0.0055016892	0.763352105	
## Variance_hist.PET	-0.0947427678	0.645192451	
## Standard_Deviation_hist.PET	0.0003701983	0.761738990	
## Skewness_hist.PET	0.2669417496	0.117868953	
## Kurtosis_hist.PET	0.0537208402	-0.137998905	
## Energy_hist.PET	0.9212697535	0.302061048	
## Entropy_hist.PET	0.1572537122	0.357672149	
## AUC_hist.PET	0.4790864283	0.466171083	
## H_suv.PET	0.1338101666	0.854495484	

## Volume.PET	-0.2960065158	0.011905681
## X3D_surface.PET	-0.0889249915	-0.030913574
## ratio_3ds_vol.PET	0.7886154709	0.379954705
## ratio_3ds_vol_norm.PET	0.5167577670	0.235448151
## irregularity.PET	0.5524449406	0.485427027
## tumor_length.PET	0.0805492534	0.143857581
## Compactness_v1.PET	0.7496958418	0.305215466
## Compactness_v2.PET	-0.2792420452	0.056058420
## Spherical_disproportion.PET	0.5167577670	0.235448151
## Sphericity.PET	-0.3816684207	0.052557689
## Asphericity.PET	0.5125953569	0.224022568
## Center_of_mass.PET	0.0218653648	0.102752194
## Max_3D_diam.PET	-0.3207375233	0.054941735
## Major_axis_length.PET	-0.2093238374	0.120398906
## Minor_axis_length.PET	-0.0916412046	0.128073515
## Least_axis_length.PET	-0.1978496125	0.101025426
## Elongation.PET	0.4935019925	0.401637988
## Flatness.PET	0.3759593787	0.378673658
## Max_cooc.L.PET	0.8628119025	0.268639230
## Average_cooc.L.PET	0.4893215937	0.555102756
## Variance_cooc.L.PET	0.5632467827	0.579133011
## Entropy_cooc.L.PET	0.3456182577	0.505618715
## DAVE_cooc.L.PET	0.5643858874	0.659978751
## DVAR_cooc.L.PET	0.5811363532	0.641984830
## DENT_cooc.L.PET	0.4793666724	0.580113148
## SAVE_cooc.L.PET	0.4884874178	0.555003594
## SVAR_cooc.L.PET	0.5113317440	0.486996526
## SENT_cooc.L.PET	0.5200311926	0.517888280
## ASM_cooc.L.PET	0.8478734041	0.267714703
## Contrast_cooc.L.PET	0.5696650031	0.647471694
## Dissimilarity_cooc.L.PET	0.5643858874	0.659978751
## Inv_diff_cooc.L.PET	0.3728837943	0.228144724
## Inv_diff_norm_cooc.L.PET	0.4184912742	0.437498171
## IDM_cooc.L.PET	0.3930655581	0.163553373
## IDM_norm_cooc.L.PET	0.4299397970	0.457374329
## Inv_var_cooc.L.PET	0.3849101873	0.164604632
## Correlation_cooc.L.PET	0.1625740943	-0.026725724
## Autocorrelation_cooc.L.PET	0.4771954488	0.461049734
## Tendency_cooc.L.PET	0.5113317440	0.486996526
## Shade_cooc.L.PET	0.1856611179	0.192831162
## Prominence_cooc.L.PET	0.4708544727	0.376072479
## IC1_.L.PET	-0.4032302042	-0.242635416
## IC2_.L.PET	0.6553778424	0.499595827
## Coarseness_vdif_.L.PET	0.9790598931	0.320885717
## Contrast_vdif_.L.PET	0.5683967966	0.343948002
## Busyness_vdif_.L.PET	-0.2389488483	-0.041229351
## Complexity_vdif_.L.PET	0.6233748835	0.663539728
## Strength_vdif_.L.PET	0.6889683827	0.261417981
## SRE_align.L.PET	0.4636887388	0.497306449
## LRE_align.L.PET	0.4097119640	0.439000473
## GLNU_align.L.PET	-0.2322367824	-0.097370884
## RLNU_align.L.PET	-0.2781927236	-0.057609967
## RP_align.L.PET	0.4663137859	0.500095675
## LGRE_align.L.PET	0.5888353831	0.302371264

## HGRE_align.L.PET	0.5075621967	0.500281552
## LGSRE_align.L.PET	0.5998490986	0.311409431
## HGSRE_align.L.PET	0.5128855382	0.503960835
## LGHRE_align.L.PET	0.5423382389	0.263476452
## HGLRE_align.L.PET	0.4836754475	0.483798685
## GLNU_norm_align.L.PET	0.8009463208	0.311930104
## RLNU_norm_align.L.PET	0.4756148284	0.510525655
## GLVAR_align.L.PET	0.5436213577	0.580009312
## RLVAR_align.L.PET	0.5854331523	0.179567783
## Entropy_align.L.PET	0.3731341882	0.498847997
## SZSE.L.PET	0.4813645292	0.514168482
## LZSE.L.PET	0.1898178874	0.198528520
## LGLZE.L.PET	0.6036674684	0.307211021
## HGLZE.L.PET	0.5137061144	0.511706178
## SZLGE.L.PET	0.6438573104	0.333142491
## SZHGE.L.PET	0.5307967824	0.527963643
## LZLGE.L.PET	0.3758273226	0.144565516
## LZHGE.L.PET	0.3340201664	0.336236960
## GLNU_area.L.PET	-0.2360456375	-0.088618503
## ZSNU.L.PET	-0.2824603161	-0.043372817
## ZSP.L.PET	0.4900949717	0.525305877
## GLNU_norm.L.PET	0.8013547186	0.311724078
## ZSNU_norm.L.PET	0.5023014947	0.538764169
## GLVAR_area.L.PET	0.5504293910	0.591582905
## ZSVAR.L.PET	0.1239712532	-0.002613887
## Entropy_area.L.PET	0.3548128477	0.482594246
## Max_cooc.H.PET	0.5656526419	-0.246191034
## Average_cooc.H.PET	0.4858278771	0.372346654
## Variance_cooc.H.PET	0.2465821749	0.636947818
## Entropy_cooc.H.PET	0.2285414111	0.627232913
## DAVE_cooc.H.PET	0.3530151173	0.720064859
## DVAR_cooc.H.PET	0.3860178470	0.660183850
## DENT_cooc.H.PET	0.1190930207	0.422501811
## SAVE_cooc.H.PET	0.4281839657	0.419761804
## SVAR_cooc.H.PET	0.2152813629	0.479744047
## SENT_cooc.H.PET	0.4642833992	0.687101802
## ASM_cooc.H.PET	0.6137003602	-0.211241720
## Contrast_cooc.H.PET	0.3340798165	0.756164449
## Dissimilarity_cooc.H.PET	0.3530151173	0.720064859
## Inv_diff_cooc.H.PET	0.5424781770	-0.125183445
## Inv_diff_norm_cooc.H.PET	0.4644864898	0.430335613
## IDM_cooc.H.PET	0.5307444107	-0.225588875
## IDM_norm_cooc.H.PET	0.4546036713	0.456974393
## Inv_var_cooc_.H.PET	0.6762256192	0.467595646
## Correlation_cooc.H.PET	0.1584764556	0.036183829
## Autocorrelation_cooc.H.PET	0.5128422383	0.249551180
## Tendency_cooc.H.PET	0.1771552300	0.515593703
## Shade_cooc.H.PET	-0.0868907690	-0.306749064
## Prominence_cooc.H.PET	0.0155289957	0.485211398
## IC1_d.H.PET	0.3293259781	0.373190620
## IC2_d.H.PET	0.2531226790	0.216269757
## Coarseness_vdif.H.PET	0.8715087118	0.300694559
## Contrast_vdif.H.PET	0.5538839034	-0.144999552
## Busyness_vdif.H.PET	-0.4030935845	-0.120456762

## Complexity_vdif.H.PET	0.6727777211	0.597045730
## Strength_vdif.H.PET	0.2561662954	-0.022331013
## SRE_align.H.PET	0.4116504176	0.625411163
## LRE_align.H.PET	0.3594921454	-0.125984071
## RLNU_align.H.PET	-0.2621813757	0.015581132
## RP_align.H.PET	0.4103127453	0.657414411
## LGRE_align.H.PET	0.8256651301	0.313937381
## HGRE_align.H.PET	0.5233570426	0.260571295
## LGSRE_align.H.PET	0.8262147995	0.313924842
## HGSRE_align.H.PET	0.5079118653	0.447098796
## LGHRE_align.H.PET	0.8225998374	0.306490895
## HGLRE_align.H.PET	0.3154334034	-0.253348712
## GLNU_norm_align.H.PET	0.6107608343	-0.167263111
## RLNU_norm_align.H.PET	0.3681668800	0.737384253
## GLVAR_align.H.PET	0.1996404642	0.613164388
## RLVAR_align.H.PET	0.2155534808	-0.395742253
## Entropy_align.H.PET	0.1956391689	0.598611210
## SZSE.H.PET	0.2938606508	0.736514662
## LZSE.H.PET	-0.0546017229	-0.202265778
## LGLZE.H.PET	0.8227940231	0.315763679
## HGLZE.H.PET	0.3606481186	0.247883145
## SZLGE.H.PET	0.8248607944	0.313821036
## SZHGE.H.PET	0.3555143253	0.597278995
## LZLGE.H.PET	0.0662136338	-0.223100982
## LZHGE.H.PET	0.0021864902	-0.235173818
## GLNU_area.H.PET	-0.2759346638	-0.070960675
## ZSNU.H.PET	-0.2481223945	0.100054571
## ZSP.H.PET	0.1803872549	0.848436121
## GLNU_norm.H.PET	0.6100190084	-0.160442994
## ZSNU_norm.H.PET	0.2100227391	0.827946444
## GLVAR_area.H.PET	0.1721114204	0.603840561
## ZSVAR_H.PET	-0.0236396796	-0.228680695
## Entropy_area.H.PET	0.2505225233	0.476652100
## Max_cooc.W.PET	0.7220307594	-0.092512018
## Average_cooc.W.PET	-0.0214154634	0.719918562
## Variance_cooc.W.PET	-0.0750366536	0.670325375
## Entropy_cooc.W.PET	0.1769021799	0.701423099
## DAVE_cooc.W.PET	0.0546249039	0.882923875
## DVAR_cooc.W.PET	-0.0598272787	0.779764058
## DENT_cooc.W.PET	0.2157941165	0.775062714
## SAVE_cooc.W.PET	-0.0231486284	0.719527878
## SVAR_cooc.W.PET	-0.0821448355	0.588494183
## SENT_cooc.W.PET	0.3094440060	0.691255301
## ASM_cooc.W.PET	0.8115395278	0.007132800
## Contrast_cooc.W.PET	-0.0507850305	0.824382775
## Dissimilarity_cooc.W.PET	0.0546249039	0.882923875
## Inv_diff_cooc.W.PET	0.5601852821	-0.066890271
## Inv_diff_norm_cooc.W.PET	0.4238255053	0.433776362
## IDM_cooc.W.PET	0.5457932846	-0.201480258
## IDM_norm_cooc.W.PET	0.4324355134	0.456921454
## Inv_var_cooc.W.PET	0.5620242347	-0.145349204
## Correlation_cooc.W.PET	0.1541635584	-0.016469041
## Autocorrelation_cooc.W.PET	-0.1307714859	0.583142012
## Tendency_cooc.W.PET	-0.0821448355	0.588494183

## Shade_cooc.W.PET	-0.0334192973	0.256854499
## Prominence_cooc.W.PET	-0.0595485183	0.233278836
## IC1_d.W.PET	0.3386507185	0.176654469
## IC2_d.W.PET	0.3528985886	0.407081625
## Coarseness_vdif.W.PET	1.0000000000	0.291666660
## Contrast_vdif.W.PET	0.2916666600	1.000000000
## Busyness_vdif.W.PET	-0.0778720055	-0.406568517
## Complexity_vdif.W.PET	-0.1082887210	0.433937815
## Strength_vdif.W.PET	0.2536229462	0.613469939
## SRE_align.W.PET	0.4352385723	0.557727937
## LRE_align.W.PET	0.4412385946	0.126094151
## GLNU_align.W.PET	-0.2732516141	-0.247562701
## RLNU_align.W.PET	-0.2663922275	-0.020655188
## RP_align.W.PET	0.4321035031	0.578788737
## LGRE_align.W.PET	0.5627052285	-0.109680482
## HGRE_align.W.PET	-0.1388278445	0.585959250
## LGSRE_align.W.PET	0.5877019118	-0.065525820
## HGSRE_align.W.PET	-0.1379497909	0.591395192
## LGHRE_align.W.PET	0.4224173466	-0.249605406
## HGLRE_align.W.PET	-0.1437185644	0.559586487
## GLNU_norm_align.W.PET	0.6880909045	-0.112432156
## RLNU_norm_align.W.PET	0.4068371320	0.637851239
## GLVAR_align.W.PET	-0.0971973967	0.641427213
## RLVAR_align.W.PET	0.3560103738	-0.336662747
## Entropy_align.W.PET	0.2059514394	0.619752327
## SZSE.W.PET	0.4045285560	0.646643911
## LZSE.W.PET	0.1685523360	-0.320366315
## LGLZE.W.PET	0.5621020339	-0.111342257
## HGLZE.W.PET	-0.1356157481	0.593419348
## SZLGE.W.PET	0.6117103695	0.009739858
## SZHGE.W.PET	-0.1300442475	0.607431506
## LZLGE.W.PET	0.0951143786	-0.261566535
## LZHGE.W.PET	-0.1203849186	0.310028394
## GLNU_area.W.PET	-0.2743008796	-0.169129520
## ZSNU.W.PET	-0.2543765270	0.040140031
## ZSP.W.PET	0.3263926220	0.741990711
## GLNU_norm.W.PET	0.7072874732	-0.109546116
## ZSNU_norm.W.PET	0.3334587636	0.755008170
## GLVAR_area.W.PET	-0.0940057302	0.640077918
## ZSVAR.W.PET	0.1223936310	-0.323799435
## Entropy_area.W.PET	0.2338403078	0.537921552
## Min_hist.ADC	0.3842034781	0.158916110
## Max_hist.ADC	0.3059008662	0.335191002
## Mean_hist.ADC	0.4311337117	0.361838018
## Variance_hist.ADC	0.1606271241	0.084750037
## Standard_Deviation_hist.ADC	0.2801521562	0.256144701
## Skewness_hist.ADC	0.0475418431	0.093837992
## Kurtosis_hist.ADC	0.0544696796	0.123991570
## Energy_hist.ADC	0.8601622557	0.281290854
## Entropy_hist.ADC	0.3130010155	0.441313324
## AUC_hist.ADC	0.4336923740	0.482430898
## Volume.ADC	-0.2911316552	0.002893692
## X3D_surface.ADC	-0.0855910793	0.092343206
## ratio_3ds_vol.ADC	0.6355424379	0.374097025

## ratio_3ds_vol_norm.ADC	0.3362098537	0.425102878
## irregularity.ADC	0.5084399334	0.504054920
## Compactness_v1.ADC	0.8326744488	0.392432672
##	Busyness_vdif.W.PET	Complexity_vdif.W.PET
## Failure	-0.0232801613	-0.111464884
## Entropy_cooc.W.ADC	0.0056216289	0.071422899
## GLNU_align.H.PET	0.0966213093	0.043470034
## Min_hist.PET	-0.3320830286	0.606089100
## Max_hist.PET	-0.3199366985	0.788533927
## Mean_hist.PET	-0.3492079016	0.679734909
## Variance_hist.PET	-0.4141954701	0.936452037
## Standard_Deviation_hist.PET	-0.3500031529	0.792489720
## Skewness_hist.PET	0.1665246267	0.078188542
## Kurtosis_hist.PET	0.0083826227	0.069072224
## Energy_hist.PET	-0.1030525311	-0.012718401
## Entropy_hist.PET	0.2736139294	0.290875835
## AUC_hist.PET	0.2416939089	0.164240872
## H_suv.PET	-0.3708570736	0.648663681
## Volume.PET	0.2216517873	0.332938821
## X3D_surface.PET	0.2088641956	0.293775480
## ratio_3ds_vol.PET	-0.0461990695	-0.048902837
## ratio_3ds_vol_norm.PET	0.0586907454	0.206067393
## irregularity.PET	0.2061256480	0.097837254
## tumor_length.PET	0.1997809700	0.375047067
## Compactness_v1.PET	-0.0375725492	0.105956507
## Compactness_v2.PET	0.0966305052	0.185855668
## Spherical_disproportion.PET	0.0586907454	0.206067393
## Sphericity.PET	0.1713494760	0.159042878
## Asphericity.PET	0.0518711439	0.204082343
## Center_of_mass.PET	0.1667864939	0.536226259
## Max_3D_diam.PET	0.2513900353	0.428502702
## Major_axis_length.PET	0.2187119521	0.494127086
## Minor_axis_length.PET	0.2920540627	0.369394677
## Least_axis_length.PET	0.3034806807	0.393939731
## Elongation.PET	0.1837278758	-0.014395966
## Flatness.PET	0.2291397999	0.032120694
## Max_cooc.L.PET	-0.0858106547	0.034909220
## Average_cooc.L.PET	0.1683805685	0.025772581
## Variance_cooc.L.PET	0.1972325442	-0.114807699
## Entropy_cooc.L.PET	0.2619407135	0.169915975
## DAVE_cooc.L.PET	0.1100119468	-0.054144312
## DVAR_cooc.L.PET	-0.0182161456	0.034511330
## DENT_cooc.L.PET	0.2109524442	0.104463721
## SAVE_cooc.L.PET	0.1685664127	0.025748816
## SVAR_cooc.L.PET	0.3048954210	-0.103257009
## SENT_cooc.L.PET	0.2341465223	0.120262862
## ASM_cooc.L.PET	-0.0921810072	0.032856066
## Contrast_cooc.L.PET	-0.0002573685	-0.117716615
## Dissimilarity_cooc.L.PET	0.1100119468	-0.054144312
## Inv_diff_cooc.L.PET	0.1771401037	0.297765989
## Inv_diff_norm_cooc.L.PET	0.2382679332	0.202485887
## IDM_cooc.L.PET	0.1306264534	0.308145350
## IDM_norm_cooc.L.PET	0.2390951041	0.188474431
## Inv_var_cooc.L.PET	0.1386960957	0.312283845

## Correlation_cooc.L.PET	0.3977129719	0.207912350
## Autocorrelation_cooc.L.PET	0.1488969299	-0.073758687
## Tendency_cooc.L.PET	0.3048954210	-0.103257009
## Shade_cooc.L.PET	0.2800324365	0.010055976
## Prominence_cooc.L.PET	0.3032983696	-0.165863577
## IC1_.L.PET	-0.1445024371	0.114689564
## IC2_.L.PET	0.1961481125	0.059505956
## Coarseness_vdif_.L.PET	-0.0813916486	-0.075612430
## Contrast_vdif_.L.PET	-0.0936740672	-0.139168541
## Busyness_vdif_.L.PET	0.2825412052	0.356139351
## Complexity_vdif_.L.PET	0.0073685929	-0.023437418
## Strength_vdif_.L.PET	-0.0536717801	-0.190527407
## SRE_align.L.PET	0.2292954029	0.163470698
## LRE_align.L.PET	0.2361875763	0.208070806
## GLNU_align.L.PET	0.2108082307	0.396079975
## RLNU_align.L.PET	0.2258281303	0.380318194
## RP_align.L.PET	0.2290582023	0.159607129
## LGRE_align.L.PET	0.0548894048	0.093602504
## HGRE_align.L.PET	0.1141728522	-0.060995394
## LGSRE_align.L.PET	0.0534252905	0.089954265
## HGSRE_align.L.PET	0.1116538943	-0.064383496
## LGHRE_align.L.PET	0.0595199577	0.109326146
## HGLRE_align.L.PET	0.1238916483	-0.046665191
## GLNU_norm_align.L.PET	0.0048636842	0.095523241
## RLNU_norm_align.L.PET	0.2271420940	0.147648225
## GLVAR_align.L.PET	0.2023788037	-0.097429642
## RLVAR_align.L.PET	0.0329269101	0.262143982
## Entropy_align.L.PET	0.2549538595	0.178515598
## SZSE.L.PET	0.2109771384	0.156002498
## LZSE.L.PET	0.1844026672	0.205326162
## LGLZE.L.PET	0.0512240542	0.087069137
## HGLZE.L.PET	0.1112005960	-0.056574873
## SZLGE.L.PET	0.0379962975	0.074640287
## SZHGE.L.PET	0.0967868541	-0.056175076
## LZLGE.L.PET	0.0775204596	0.171015804
## LZHGE.L.PET	0.1358607236	-0.030184012
## GLNU_area.L.PET	0.2177965227	0.390127718
## ZSNU.L.PET	0.2309517725	0.368808397
## ZSP.L.PET	0.2148882561	0.136657014
## GLNU_norm.L.PET	0.0054517858	0.093492508
## ZSNU_norm.L.PET	0.2044275860	0.115728718
## GLVAR_area.L.PET	0.1909567918	-0.087849579
## ZSVAR.L.PET	0.0608493049	0.355839139
## Entropy_area.L.PET	0.2601392160	0.198072505
## Max_cooc.H.PET	0.5084332169	-0.334993985
## Average_cooc.H.PET	0.3578908370	0.042334195
## Variance_cooc.H.PET	-0.0785087559	0.379544895
## Entropy_cooc.H.PET	0.0317849299	0.381191405
## DAVE_cooc.H.PET	-0.0600300540	0.238586036
## DVAR_cooc.H.PET	-0.0325190748	0.210476056
## DENT_cooc.H.PET	0.0719241134	0.210419997
## SAVE_cooc.H.PET	0.3077838554	0.089283877
## SVAR_cooc.H.PET	0.0532775694	0.322797701
## SENT_cooc.H.PET	-0.2434819080	0.357462484

## ASM_cooc.H.PET	0.4335384990	-0.292184439
## Contrast_cooc.H.PET	-0.1441234378	0.234332035
## Dissimilarity_cooc.H.PET	-0.0600300540	0.238586036
## Inv_diff_cooc.H.PET	0.6014530151	-0.216223992
## Inv_diff_norm_cooc.H.PET	0.2802150715	0.153673943
## IDM_cooc.H.PET	0.6278193778	-0.291509422
## IDM_norm_cooc.H.PET	0.2566440826	0.165657428
## Inv_var_cooc_.H.PET	-0.2000158335	0.352226590
## Correlation_cooc.H.PET	0.3123692035	0.265765221
## Autocorrelation_cooc.H.PET	0.4458375983	-0.048062213
## Tendency_cooc.H.PET	-0.0360354086	0.424067142
## Shade_cooc.H.PET	0.2505727892	-0.151909471
## Prominence_cooc.H.PET	-0.2102592913	0.519463264
## IC1_d.H.PET	-0.5225274591	-0.013482421
## IC2_d.H.PET	0.2598930852	0.315248599
## Coarseness_vdif.H.PET	-0.1113676845	0.022655034
## Contrast_vdif.H.PET	0.3230705412	-0.304873997
## Busyness_vdif.H.PET	0.3674817311	0.008022373
## Complexity_vdif.H.PET	-0.1503894840	0.047487983
## Strength_vdif.H.PET	0.0406676698	-0.103802402
## SRE_align.H.PET	0.0635308286	0.273122941
## LRE_align.H.PET	0.6676030344	-0.195104424
## RLNU_align.H.PET	0.1331723775	0.462299759
## RP_align.H.PET	0.0243222123	0.293791979
## LGRE_align.H.PET	-0.1240874240	0.084512501
## HGRE_align.H.PET	0.4234946327	-0.027887364
## LGSRE_align.H.PET	-0.1251154130	0.083347460
## HGSRE_align.H.PET	0.2478591434	0.089790507
## LGHRE_align.H.PET	-0.1095096820	0.085276889
## HGLRE_align.H.PET	0.6903519120	-0.274682685
## GLNU_norm_align.H.PET	0.5777765874	-0.368678367
## RLNU_norm_align.H.PET	-0.0845554891	0.356406040
## GLVAR_align.H.PET	-0.1041688864	0.396681295
## RLVAR_align.H.PET	0.7179282498	-0.322152866
## Entropy_align.H.PET	0.0378166637	0.452491810
## SZSE.H.PET	-0.1256605669	0.404448805
## LZSE.H.PET	0.3912195929	-0.129233889
## LGLZE.H.PET	-0.1269604663	0.087505617
## HGLZE.H.PET	0.4077141419	0.004040752
## SZLGE.H.PET	-0.1262915671	0.082750298
## SZHGE.H.PET	0.0090021011	0.239884914
## LZLGE.H.PET	0.4180927222	-0.151574426
## LZHGE.H.PET	0.4137578893	-0.153931898
## GLNU_area.H.PET	0.2716830958	0.293268998
## ZSNU.H.PET	0.0342039622	0.540535097
## ZSP.H.PET	-0.3450848475	0.506625672
## GLNU_norm.H.PET	0.6087501058	-0.370459220
## ZSNU_norm.H.PET	-0.2912266344	0.498604313
## GLVAR_area.H.PET	-0.1199241955	0.392154265
## ZSVAR_H.PET	0.4059511342	-0.146083001
## Entropy_area.H.PET	0.1673408439	0.330344460
## Max_cooc.W.PET	0.3065171438	-0.242065063
## Average_cooc.W.PET	-0.3442530092	0.741018198
## Variance_cooc.W.PET	-0.4153928906	0.925747995

## Entropy_cooc.W.PET	-0.0849089729	0.490895891
## DAVE_cooc.W.PET	-0.3835487070	0.672275293
## DVAR_cooc.W.PET	-0.4540397082	0.853305182
## DENT_cooc.W.PET	-0.1421688009	0.484765359
## SAVE_cooc.W.PET	-0.3441346515	0.741123009
## SVAR_cooc.W.PET	-0.3822489661	0.943648933
## SENT_cooc.W.PET	-0.0523734532	0.439873823
## ASM_cooc.W.PET	0.2018447689	-0.163331134
## Contrast_cooc.W.PET	-0.4649566700	0.796162370
## Dissimilarity_cooc.W.PET	-0.3835487070	0.672275293
## Inv_diff_cooc.W.PET	0.5755634713	-0.236870270
## Inv_diff_norm_cooc.W.PET	0.2428579050	0.197193751
## IDM_cooc.W.PET	0.6198106878	-0.313219045
## IDM_norm_cooc.W.PET	0.2392687634	0.186812712
## Inv_var_cooc.W.PET	0.5935269180	-0.285810573
## Correlation_cooc.W.PET	0.3829823109	0.218252030
## Autocorrelation_cooc.W.PET	-0.4074780612	0.868309935
## Tendency_cooc.W.PET	-0.3822489661	0.943648933
## Shade_cooc.W.PET	-0.2098433961	0.827379020
## Prominence_cooc.W.PET	-0.2204396904	0.855812863
## IC1_d.W.PET	-0.3870187494	-0.096692690
## IC2_d.W.PET	0.1745498502	0.333036396
## Coarseness_vdif.W.PET	-0.0778720055	-0.108288721
## Contrast_vdif.W.PET	-0.4065685171	0.433937815
## Busyness_vdif.W.PET	1.0000000000	-0.343892391
## Complexity_vdif.W.PET	-0.3438923914	1.0000000000
## Strength_vdif.W.PET	-0.3728111416	0.399771178
## SRE_align.W.PET	0.1524557778	0.223917155
## LRE_align.W.PET	0.5412870984	-0.058281708
## GLNU_align.W.PET	0.4742091319	0.127066497
## RLNU_align.W.PET	0.1735015041	0.428151140
## RP_align.W.PET	0.1268535396	0.238325221
## LGRE_align.W.PET	0.5624247831	-0.350132025
## HGRE_align.W.PET	-0.4076874847	0.875406139
## LGSRE_align.W.PET	0.5392057909	-0.339396796
## HGSRE_align.W.PET	-0.4124187234	0.877917817
## LGHRE_align.W.PET	0.6199418238	-0.358826053
## HGLRE_align.W.PET	-0.3844865314	0.862830352
## GLNU_norm_align.W.PET	0.4962651644	-0.334539154
## RLNU_norm_align.W.PET	0.0560283853	0.283800626
## GLVAR_align.W.PET	-0.4139124500	0.938110007
## RLVAR_align.W.PET	0.6687416778	-0.308038196
## Entropy_align.W.PET	0.0153544686	0.451591953
## SZSE.W.PET	0.0169851054	0.308435110
## LZSE.W.PET	0.5902010145	-0.263063801
## LGLZE.W.PET	0.5805638416	-0.352694926
## HGLZE.W.PET	-0.4106754679	0.885448223
## SZLGE.W.PET	0.4801595910	-0.297407643
## SZHGE.W.PET	-0.4216964932	0.892512180
## LZLGE.W.PET	0.4655718834	-0.203066011
## LZHGE.W.PET	-0.1585103025	0.632193734
## GLNU_area.W.PET	0.3876098952	0.201011510
## ZSNU.W.PET	0.1047638435	0.483876953
## ZSP.W.PET	-0.1324710270	0.393278619

## GLNU_norm.W.PET	0.5110968068	-0.337024642	
## ZSNU_norm.W.PET	-0.1517807098	0.408003496	
## GLVAR_area.W.PET	-0.4160612072	0.940176987	
## ZSVAR.W.PET	0.5369829035	-0.246066255	
## Entropy_area.W.PET	0.1301052095	0.376469472	
## Min_hist.ADC	0.0016595609	0.028020838	
## Max_hist.ADC	0.2399788174	0.197415949	
## Mean_hist.ADC	0.1739369810	0.113752194	
## Variance_hist.ADC	0.2393438125	0.117827358	
## Standard_Deviation_hist.ADC	0.2634139962	0.159264945	
## Skewness_hist.ADC	0.1127991946	0.203313817	
## Kurtosis_hist.ADC	-0.0091836982	0.162327976	
## Energy_hist.ADC	-0.0726006513	0.019970445	
## Entropy_hist.ADC	0.2174629182	0.206801877	
## AUC_hist.ADC	0.2370155519	0.200985356	
## Volume.ADC	0.2220444803	0.314340659	
## X3D_surface.ADC	0.2121975161	0.173888377	
## ratio_3ds_vol.ADC	0.1299132187	0.010991246	
## ratio_3ds_vol_norm.ADC	0.2691196704	0.169080129	
## irregularity.ADC	0.2098564417	0.161287323	
## Compactness_v1.ADC	0.0068111081	0.076354487	
##	Strength_vdif.W.PET	SRE_align.W.PET	LRE_align.W.PET
## Failure	0.005918543	-0.004035808	0.02449934
## Entropy_cooc.W.ADC	-0.034623197	0.018041628	0.06389135
## GLNU_align.H.PET	-0.144644180	-0.053683107	0.02967927
## Min_hist.PET	0.464696270	0.599759054	0.16858476
## Max_hist.PET	0.456052395	0.611069105	0.20224812
## Mean_hist.PET	0.421440955	0.601443437	0.16553391
## Variance_hist.PET	0.482834750	0.331649274	-0.04450102
## Standard_Deviation_hist.PET	0.493064200	0.609134152	0.17792895
## Skewness_hist.PET	0.419381854	0.522675583	0.51124976
## Kurtosis_hist.PET	0.252443864	0.142144118	0.16977912
## Energy_hist.PET	0.233319757	0.442493742	0.40449356
## Entropy_hist.PET	0.152192089	0.870327622	0.74767849
## AUC_hist.PET	0.249100353	0.987525651	0.87055316
## H_suv.PET	0.445320482	0.637404594	0.18432565
## Volume.PET	-0.108797067	0.335414595	0.23812460
## X3D_surface.PET	-0.071951184	0.227173801	0.18076675
## ratio_3ds_vol.PET	0.412894194	0.560282886	0.54225296
## ratio_3ds_vol_norm.PET	0.276196300	0.572742009	0.56207797
## irregularity.PET	0.321642787	0.957475277	0.85563379
## tumor_length.PET	0.049029607	0.602720188	0.52596249
## Compactness_v1.PET	0.144474574	0.556424899	0.46557493
## Compactness_v2.PET	-0.118837397	0.246168061	0.12272311
## Spherical_disproportion.PET	0.276196300	0.572742009	0.56207797
## Sphericity.PET	-0.130441778	0.244023593	0.12638315
## Asphericity.PET	0.273081089	0.550823403	0.54408275
## Center_of_mass.PET	0.202902994	0.373233630	0.33217879
## Max_3D_diam.PET	-0.086115298	0.471513764	0.34871224
## Major_axis_length.PET	-0.047506100	0.518833686	0.38082178
## Minor_axis_length.PET	-0.028858427	0.661934934	0.55986928
## Least_axis_length.PET	-0.063815116	0.563850631	0.45482991
## Elongation.PET	0.185026097	0.847284265	0.77144527
## Flatness.PET	0.153880711	0.787440812	0.70013595

## Max_cooc.L.PET	0.230362928	0.465046903	0.43813445
## Average_cooc.L.PET	0.095074538	0.810527729	0.68950627
## Variance_cooc.L.PET	0.248734926	0.646376308	0.54731414
## Entropy_cooc.L.PET	0.176945553	0.977679229	0.83896494
## DAVE_cooc.L.PET	0.230283041	0.769370666	0.58541435
## DVAR_cooc.L.PET	0.326284164	0.692357503	0.46863809
## DENT_cooc.L.PET	0.252114933	0.970513865	0.81499868
## SAVE_cooc.L.PET	0.094880937	0.810340624	0.68931331
## SVAR_cooc.L.PET	0.245101872	0.641969968	0.61241229
## SENT_cooc.L.PET	0.261987131	0.967079169	0.86049362
## ASM_cooc.L.PET	0.203271861	0.438897957	0.40283296
## Contrast_cooc.L.PET	0.220985397	0.566289826	0.37017998
## Dissimilarity_cooc.L.PET	0.230283041	0.769370666	0.58541435
## Inv_diff_cooc.L.PET	0.242512630	0.838970695	0.78631730
## Inv_diff_norm_cooc.L.PET	0.248034422	0.985652680	0.87396958
## IDM_cooc.L.PET	0.242126916	0.749159940	0.71631415
## IDM_norm_cooc.L.PET	0.247911751	0.990108303	0.87348897
## Inv_var_cooc.L.PET	0.235618199	0.754511975	0.71607382
## Correlation_cooc.L.PET	0.122998293	0.617736351	0.73328749
## Autocorrelation_cooc.L.PET	0.015860816	0.598832426	0.53666971
## Tendency_cooc.L.PET	0.245101872	0.641969968	0.61241229
## Shade_cooc.L.PET	0.422392972	0.309427253	0.34811735
## Prominence_cooc.L.PET	0.293645110	0.444761251	0.46677007
## IC1_.L.PET	-0.321388510	-0.333244744	-0.38802802
## IC2_.L.PET	0.348341715	0.883949330	0.82732201
## Coarseness_vdif_.L.PET	0.284180955	0.468353416	0.46302475
## Contrast_vdif_.L.PET	0.178683109	0.244582615	0.13900748
## Busyness_vdif_.L.PET	-0.099086781	0.325139559	0.21797375
## Complexity_vdif_.L.PET	0.312486121	0.735119486	0.52332970
## Strength_vdif_.L.PET	0.482549593	0.281621955	0.30551836
## SRE_align.L.PET	0.255057094	0.993803992	0.86440467
## LRE_align.L.PET	0.246574198	0.983047148	0.87249240
## GLNU_align.L.PET	-0.084689569	0.267054632	0.18537214
## RLNU_align.L.PET	-0.158821387	0.245134431	0.14994497
## RP_align.L.PET	0.254993645	0.993609270	0.86419446
## LGRE_align.L.PET	0.503588807	0.625946756	0.55587838
## HGRE_align.L.PET	0.011467873	0.624213879	0.53756455
## LGSRE_align.L.PET	0.502671506	0.631273352	0.55805042
## HGSRE_align.L.PET	0.016014034	0.623077917	0.53430123
## LGHRE_align.L.PET	0.502518164	0.601374337	0.54439963
## HGLRE_align.L.PET	-0.007208874	0.626941690	0.54942820
## GLNU_norm_align.L.PET	0.340469648	0.671901487	0.61595635
## RLNU_norm_align.L.PET	0.255190263	0.992387007	0.86197590
## GLVAR_align.L.PET	0.188550453	0.673539448	0.57090288
## RLVAR_align.L.PET	0.210567287	0.632960575	0.60173161
## Entropy_align.L.PET	0.183140416	0.980581950	0.84928187
## SZSE.L.PET	0.262332914	0.975712163	0.82766935
## LZSE.L.PET	0.146628218	0.674402150	0.66395020
## LGLZE.L.PET	0.490283070	0.637821703	0.56461491
## HGLZE.L.PET	0.025000920	0.634603783	0.54299460
## SZLGE.L.PET	0.478109857	0.649318973	0.56277677
## SZHGE.L.PET	0.049411037	0.633055712	0.52381388
## LZLGE.L.PET	0.463412177	0.496933003	0.48728526
## LZHGE.L.PET	-0.071592259	0.507175850	0.49931358

## GLNU_area.L.PET	-0.093338273	0.269741886	0.18104026
## ZSNU.L.PET	-0.166128915	0.247880508	0.14326272
## ZSP.L.PET	0.261090619	0.981051555	0.83814015
## GLNU_norm.L.PET	0.334162120	0.672252093	0.61607434
## ZSNU_norm.L.PET	0.262494870	0.981677710	0.84620214
## GLVAR_area.L.PET	0.196746616	0.685077067	0.57869320
## ZSVAR.L.PET	0.137939853	0.436920976	0.43938403
## Entropy_area.L.PET	0.182366196	0.980963046	0.85071510
## Max_cooc.H.PET	-0.069846050	0.223655258	0.63717820
## Average_cooc.H.PET	0.206932455	0.948151550	0.92702361
## Variance_cooc.H.PET	0.255003325	0.892310979	0.57750930
## Entropy_cooc.H.PET	0.358914234	0.869522990	0.56973168
## DAVE_cooc.H.PET	0.276940456	0.917361030	0.58114266
## DVAR_cooc.H.PET	0.197608048	0.881149626	0.61150108
## DENT_cooc.H.PET	0.167556677	0.794161101	0.57884848
## SAVE_cooc.H.PET	0.227748564	0.963830543	0.89644103
## SVAR_cooc.H.PET	0.230613327	0.857832977	0.66498213
## SENT_cooc.H.PET	0.461416826	0.732745763	0.43847837
## ASM_cooc.H.PET	-0.093916699	0.213721926	0.60977137
## Contrast_cooc.H.PET	0.238355404	0.829712733	0.47489506
## Dissimilarity_cooc.H.PET	0.276940456	0.917361030	0.58114266
## Inv_diff_cooc.H.PET	-0.035633374	0.592496733	0.92108260
## Inv_diff_norm_cooc.H.PET	0.240765390	0.981368301	0.90005220
## IDM_cooc.H.PET	-0.094986974	0.480088852	0.86793742
## IDM_norm_cooc.H.PET	0.250361367	0.988577647	0.88312924
## Inv_var_cooc.H.PET	0.394267715	0.616939660	0.42589882
## Correlation_cooc.H.PET	0.159987103	0.635106326	0.69624691
## Autocorrelation_cooc.H.PET	0.160266895	0.873746057	0.94987871
## Tendency_cooc.H.PET	0.241181225	0.846327274	0.58127618
## Shade_cooc.H.PET	-0.042690976	-0.441204382	-0.24128235
## Prominence_cooc.H.PET	0.184975087	0.648176947	0.32922409
## IC1_d.H.PET	0.069872243	-0.048872067	-0.37265609
## IC2_d.H.PET	0.281461026	0.762794372	0.74588558
## Coarseness_vdif.H.PET	0.232410362	0.433305801	0.39403645
## Contrast_vdif.H.PET	-0.176626157	0.228626229	0.48177039
## Busyness_vdif.H.PET	-0.159757697	0.121406814	0.08660746
## Complexity_vdif.H.PET	0.299714841	0.679617458	0.49486746
## Strength_vdif.H.PET	0.045722565	-0.003222541	0.14745718
## SRE_align.H.PET	0.331533215	0.993000962	0.73520314
## LRE_align.H.PET	-0.083615720	0.555566098	0.91642279
## RLNU_align.H.PET	-0.126298968	0.254861128	0.10376271
## RP_align.H.PET	0.349453957	0.986119684	0.70429797
## LGRE_align.H.PET	0.200780011	0.462006655	0.39424439
## HGRE_align.H.PET	0.144644470	0.880457111	0.94602795
## LGSRE_align.H.PET	0.201084709	0.459659082	0.39188442
## HGSRE_align.H.PET	0.261322794	0.954933196	0.85317718
## LGHRE_align.H.PET	0.195091774	0.473240984	0.41328919
## HGLRE_align.H.PET	-0.163117063	0.342338036	0.81560107
## GLNU_norm_align.H.PET	-0.062093218	0.431251947	0.77876207
## RLNU_norm_align.H.PET	0.394062275	0.951248258	0.60012782
## GLVAR_align.H.PET	0.229086627	0.860797750	0.54290107
## RLVAR_align.H.PET	-0.223105832	0.183980664	0.71139374
## Entropy_align.H.PET	0.300252008	0.926346953	0.66792881
## SZSE.H.PET	0.431972420	0.903177948	0.54042900

## LZSE.H.PET	-0.102201498	-0.112613598	0.26291862
## LGLZE.H.PET	0.199683082	0.463010656	0.39349699
## HGLZE.H.PET	0.178577741	0.837118586	0.87892118
## SZLGE.H.PET	0.201338338	0.456538336	0.38861547
## SZHGE.H.PET	0.464853354	0.855873648	0.62095032
## LZLGE.H.PET	-0.114327441	-0.057977605	0.35183236
## LZHGE.H.PET	-0.129584260	-0.113388298	0.31101259
## GLNU_area.H.PET	-0.150338538	0.281866736	0.17141533
## ZSNU.H.PET	-0.090444731	0.234607625	0.03919362
## ZSP.H.PET	0.489478940	0.746906058	0.26801741
## GLNU_norm.H.PET	-0.089190342	0.444524040	0.78472533
## ZSNU_norm.H.PET	0.507938438	0.790069595	0.36156634
## GLVAR_area.H.PET	0.218570095	0.840594945	0.52006261
## ZSVAR_H.PET	-0.121182742	-0.115273898	0.28778547
## Entropy_area.H.PET	0.216282538	0.955217734	0.77450864
## Max_cooc.W.PET	0.002502727	0.281684385	0.59047749
## Average_cooc.W.PET	0.363879718	0.595027692	0.17959066
## Variance_cooc.W.PET	0.538937755	0.331767612	-0.04596090
## Entropy_cooc.W.PET	0.358035129	0.902880421	0.54626696
## DAVE_cooc.W.PET	0.512512575	0.630245423	0.16204475
## DVAR_cooc.W.PET	0.534544896	0.371652145	-0.04319629
## DENT_cooc.W.PET	0.430702125	0.894080644	0.50571560
## SAVE_cooc.W.PET	0.363570974	0.594286808	0.17883257
## SVAR_cooc.W.PET	0.523842871	0.300500001	-0.04439345
## SENT_cooc.W.PET	0.418717816	0.931501222	0.62294111
## ASM_cooc.W.PET	0.040217222	0.332154118	0.56397645
## Contrast_cooc.W.PET	0.530089539	0.383471174	-0.04644996
## Dissimilarity_cooc.W.PET	0.512512575	0.630245423	0.16204475
## Inv_diff_cooc.W.PET	-0.042231766	0.680378810	0.94437864
## Inv_diff_norm_cooc.W.PET	0.245689930	0.985124401	0.87796350
## IDM_cooc.W.PET	-0.109658860	0.533594724	0.88928377
## IDM_norm_cooc.W.PET	0.247626398	0.990166676	0.87402969
## Inv_var_cooc.W.PET	-0.084643007	0.612954112	0.90367199
## Correlation_cooc.W.PET	0.132518145	0.619218539	0.72393095
## Autocorrelation_cooc.W.PET	0.331332504	0.326401787	-0.03810484
## Tendency_cooc.W.PET	0.523842871	0.300500001	-0.04439345
## Shade_cooc.W.PET	0.434482234	0.075727780	-0.07686508
## Prominence_cooc.W.PET	0.353974308	0.042968503	-0.10140633
## IC1_d.W.PET	-0.144358704	-0.083067163	-0.32163656
## IC2_d.W.PET	0.414796974	0.838549999	0.76809234
## Coarseness_vdif.W.PET	0.253622946	0.435238572	0.44123859
## Contrast_vdif.W.PET	0.613469939	0.557727937	0.12609415
## Busyness_vdif.W.PET	-0.372811142	0.152455778	0.54128710
## Complexity_vdif.W.PET	0.399771178	0.223917155	-0.05828171
## Strength_vdif.W.PET	1.000000000	0.294383980	0.05311235
## SRE_align.W.PET	0.294383980	1.000000000	0.80788801
## LRE_align.W.PET	0.053112354	0.807888013	1.00000000
## GLNU_align.W.PET	-0.201938245	0.245648269	0.30953703
## RLNU_align.W.PET	-0.137672292	0.250980660	0.12457264
## RP_align.W.PET	0.306013436	0.999389077	0.78814188
## LGRE_align.W.PET	0.054256391	0.424653947	0.72364201
## HGRE_align.W.PET	0.316615869	0.329733835	-0.03864866
## LGSRE_align.W.PET	0.083686297	0.466451157	0.72827034
## HGSRE_align.W.PET	0.324353982	0.326027659	-0.04458983

## LGHRE_align.W.PET	-0.048955678	0.245550476	0.66987353
## HGLRE_align.W.PET	0.282932788	0.343573946	-0.01109905
## GLNU_norm_align.W.PET	-0.018073516	0.438580445	0.75676838
## RLNU_norm_align.W.PET	0.340368252	0.991218056	0.72849974
## GLVAR_align.W.PET	0.480152686	0.331311224	-0.04412828
## RLVAR_align.W.PET	-0.184339017	0.261015941	0.76380240
## Entropy_align.W.PET	0.306350968	0.932361897	0.65160367
## SZSE.W.PET	0.359441818	0.969195608	0.68632978
## LZSE.W.PET	-0.193098603	0.037410174	0.55156937
## LGLZE.W.PET	0.025995867	0.447275660	0.75516912
## HGLZE.W.PET	0.340680422	0.333656215	-0.03733222
## SZLGE.W.PET	0.094641557	0.538238408	0.74828415
## SZHGE.W.PET	0.371387990	0.322984965	-0.05367908
## LZLGE.W.PET	-0.129607371	-0.072018151	0.35952317
## LZHGE.W.PET	0.088473921	0.324592140	0.19404354
## GLNU_area.W.PET	-0.176849605	0.269995557	0.24926574
## ZSNU.W.PET	-0.112782463	0.246906381	0.08024813
## ZSP.W.PET	0.414473440	0.920001768	0.53867077
## GLNU_norm.W.PET	-0.030920126	0.457442334	0.77618469
## ZSNU_norm.W.PET	0.434129287	0.914867817	0.54489345
## GLVAR_area.W.PET	0.488583600	0.334861926	-0.03939086
## ZSVAR.W.PET	-0.188345523	-0.044751639	0.45852751
## Entropy_area.W.PET	0.254999943	0.954949285	0.74345072
## Min_hist.ADC	0.141802812	0.326991275	0.31515838
## Max_hist.ADC	0.195105062	0.873252742	0.76946320
## Mean_hist.ADC	0.266297345	0.860616180	0.75917839
## Variance_hist.ADC	0.089060187	0.435204284	0.44222054
## Standard_Deviation_hist.ADC	0.175469790	0.713712660	0.66200960
## Skewness_hist.ADC	-0.007030471	0.224649502	0.20750370
## Kurtosis_hist.ADC	0.081125637	0.277903441	0.20980390
## Energy_hist.ADC	0.189103585	0.450756796	0.42057869
## Entropy_hist.ADC	0.231527816	0.947861558	0.81181316
## AUC_hist.ADC	0.228357141	0.972745007	0.83617888
## Volume.ADC	-0.119399391	0.322316935	0.22751679
## X3D_surface.ADC	-0.041943725	0.429121278	0.34008815
## ratio_3ds_vol.ADC	0.227928500	0.643627261	0.60237941
## ratio_3ds_vol_norm.ADC	0.229647382	0.936385188	0.79681647
## irregularity.ADC	0.246048656	0.955045281	0.83522827
## Compactness_v1.ADC	0.231042174	0.686024513	0.62546327
##	GLNU_align.W.PET	RLNU_align.W.PET	RP_align.W.PET
## Failure	-0.1725553209	-0.1913390935	-0.006583887
## Entropy_cooc.W.ADC	0.1494839005	0.1477221303	0.015464351
## GLNU_align.H.PET	0.2991021818	0.2863162805	-0.057791181
## Min_hist.PET	0.1000663220	0.3777587280	0.618886303
## Max_hist.PET	0.2797687193	0.5405300701	0.627799983
## Mean_hist.PET	0.1371032092	0.4358952104	0.620756360
## Variance_hist.PET	0.0701742452	0.4109430286	0.350766744
## Standard_Deviation_hist.PET	0.1680403189	0.4569468798	0.627765272
## Skewness_hist.PET	0.1864695404	0.0206928208	0.515730766
## Kurtosis_hist.PET	0.2255809049	0.0425963099	0.136887543
## Energy_hist.PET	-0.1582426115	-0.1476061712	0.440204226
## Entropy_hist.PET	0.5125170888	0.4812529094	0.866139538
## AUC_hist.PET	0.2864223867	0.2437222963	0.982670203
## H_suv.PET	0.0158324763	0.2866904515	0.657601800

## Volume.PET	0.6493013614	0.6837147620	0.334615443
## X3D_surface.PET	0.8012712012	0.8758885242	0.225298234
## ratio_3ds_vol.PET	-0.2567499961	-0.2866303412	0.556622934
## ratio_3ds_vol_norm.PET	0.1730193137	0.1559695513	0.566118736
## irregularity.PET	0.1324602181	0.0906769660	0.952766484
## tumor_length.PET	0.6712286141	0.7138122256	0.598339531
## Compactness_v1.PET	0.0275813132	0.0578459672	0.554570248
## Compactness_v2.PET	0.2522941947	0.3201112607	0.248945755
## Spherical_disproportion.PET	0.1730193137	0.1559695513	0.566118736
## Sphericity.PET	0.3073349836	0.3382623929	0.246705799
## Asphericity.PET	0.1671350947	0.1508339209	0.544216585
## Center_of_mass.PET	0.5514093556	0.6459247531	0.370249929
## Max_3D_diam.PET	0.7590227507	0.8214470090	0.470755577
## Major_axis_length.PET	0.7296615217	0.8467584867	0.518697926
## Minor_axis_length.PET	0.7717181217	0.7577042321	0.657578026
## Least_axis_length.PET	0.8151375071	0.8329689687	0.561310379
## Elongation.PET	0.1423244148	0.0312340165	0.842095748
## Flatness.PET	0.2384657775	0.1479102455	0.783637422
## Max_cooc.L.PET	-0.0857946380	-0.0908543030	0.461372667
## Average_cooc.L.PET	-0.0296394989	0.0265156298	0.810176982
## Variance_cooc.L.PET	-0.2733176480	-0.2432410512	0.647243500
## Entropy_cooc.L.PET	0.2632187930	0.2537840279	0.974335706
## DAVE_cooc.L.PET	-0.1972587431	-0.1558291544	0.773339725
## DVAR_cooc.L.PET	-0.1878793828	-0.1464395086	0.699415891
## DENT_cooc.L.PET	0.1160192097	0.1146113352	0.969078516
## SAVE_cooc.L.PET	-0.0295338697	0.0266317138	0.809993243
## SVAR_cooc.L.PET	-0.2007129867	-0.1930538220	0.638517906
## SENT_cooc.L.PET	0.1806247309	0.1557158894	0.962645370
## ASM_cooc.L.PET	-0.0853452561	-0.0808483533	0.435868576
## Contrast_cooc.L.PET	-0.3518289577	-0.2901988761	0.573900960
## Dissimilarity_cooc.L.PET	-0.1972587431	-0.1558291544	0.773339725
## Inv_diff_cooc.L.PET	0.4821188422	0.4034729644	0.830907619
## Inv_diff_norm_cooc.L.PET	0.3277641212	0.2861084834	0.980319042
## IDM_cooc.L.PET	0.4799030785	0.3937615880	0.740911945
## IDM_norm_cooc.L.PET	0.3017752773	0.2647441108	0.985159817
## Inv_var_cooc.L.PET	0.4803718944	0.3979138486	0.745827775
## Correlation_cooc.L.PET	0.5200111895	0.4246819797	0.602203442
## Autocorrelation_cooc.L.PET	-0.1656714574	-0.1023752730	0.598109713
## Tendency_cooc.L.PET	-0.2007129867	-0.1930538220	0.638517906
## Shade_cooc.L.PET	-0.1095651226	-0.1630585757	0.304067706
## Prominence_cooc.L.PET	-0.3158100309	-0.3279701769	0.440456516
## IC1_.L.PET	0.2200298328	0.2490894235	-0.329925361
## IC2_.L.PET	0.0198682381	-0.0088128158	0.878497625
## Coarseness_vdif_.L.PET	-0.2520101718	-0.2473367587	0.464856630
## Contrast_vdif_.L.PET	-0.2800588339	-0.2431204640	0.250240064
## Busyness_vdif_.L.PET	0.8812534043	0.9157322360	0.325435632
## Complexity_vdif_.L.PET	-0.2205250681	-0.1735253140	0.740955238
## Strength_vdif_.L.PET	-0.3715012096	-0.3954908956	0.279719175
## SRE_align.L.PET	0.2465875231	0.2183873088	0.989718847
## LRE_align.L.PET	0.3356632778	0.2925463510	0.978295800
## GLNU_align.L.PET	0.9053651253	0.9538610552	0.266640866
## RLNU_align.L.PET	0.8907824143	0.9955546919	0.246228632
## RP_align.L.PET	0.2410290770	0.2134212085	0.989608204
## LGRE_align.L.PET	0.1174947597	0.0085248609	0.621263541

## HGRE_align.L.PET	-0.1641127516	-0.0924580637	0.624942800
## LGSRE_align.L.PET	0.1091138530	0.0033081831	0.626707960
## HGSRE_align.L.PET	-0.1721174997	-0.1004562672	0.623887696
## LGHRE_align.L.PET	0.1508243548	0.0298722166	0.596227419
## HGLRE_align.L.PET	-0.1301571501	-0.0588771491	0.627372961
## GLNU_norm_align.L.PET	0.0739956219	0.0159100446	0.666852582
## RLNU_norm_align.L.PET	0.2211673016	0.1958867559	0.988663308
## GLVAR_align.L.PET	-0.2350917526	-0.1963154652	0.674221329
## RLVAR_align.L.PET	0.3328318027	0.2839193604	0.626243708
## Entropy_align.L.PET	0.2705872036	0.2622206837	0.976929114
## SZSE.L.PET	0.2055743763	0.1897132114	0.971405704
## LZSE.L.PET	0.3798923060	0.3078091793	0.672120874
## LGLZE.L.PET	0.1180050633	0.0091442076	0.633190439
## HGLZE.L.PET	-0.1645927760	-0.0937725027	0.635532015
## SZLGE.L.PET	0.0857183739	-0.0097522489	0.644796680
## SZHGE.L.PET	-0.1859742422	-0.1124088395	0.633891617
## LZLGE.L.PET	0.2333226005	0.0867699248	0.491889405
## LZHGE.L.PET	-0.0364760040	0.0121696223	0.508652694
## GLNU_area.L.PET	0.9071259832	0.9633976361	0.269299057
## ZSNU.L.PET	0.8815658561	0.9916787435	0.249013390
## ZSP.L.PET	0.1905686943	0.1750410797	0.977106842
## GLNU_norm.L.PET	0.0751096658	0.0182158864	0.667187425
## ZSNU_norm.L.PET	0.1660471053	0.1521570858	0.978652440
## GLVAR_area.L.PET	-0.2335620006	-0.1949812033	0.685878337
## ZSVAR.L.PET	0.4493110090	0.3684845240	0.433466606
## Entropy_area.L.PET	0.3011348017	0.2872878122	0.977079472
## Max_cooc.H.PET	-0.0562656131	-0.2672050284	0.198661627
## Average_cooc.H.PET	0.2198239551	0.1273594335	0.938499689
## Variance_cooc.H.PET	0.2985385912	0.4065189341	0.900497439
## Entropy_cooc.H.PET	0.1861886312	0.2728512858	0.876165637
## DAVE_cooc.H.PET	0.1251839737	0.2019789511	0.926728383
## DVAR_cooc.H.PET	0.1148632281	0.1824516404	0.887815023
## DENT_cooc.H.PET	0.3341014405	0.3783139179	0.796573647
## SAVE_cooc.H.PET	0.2508326179	0.1750269745	0.956375425
## SVAR_cooc.H.PET	0.3968371815	0.4410098896	0.859038740
## SENT_cooc.H.PET	0.0378946447	0.1642510657	0.742189064
## ASM_cooc.H.PET	-0.0568864135	-0.2367980949	0.190293396
## Contrast_cooc.H.PET	0.0496305599	0.1539468251	0.841876441
## Dissimilarity_cooc.H.PET	0.1251839737	0.2019789511	0.926728383
## Inv_diff_cooc.H.PET	0.2122881095	-0.0247141510	0.566800924
## Inv_diff_norm_cooc.H.PET	0.2815594298	0.2306221194	0.974624416
## IDM_cooc.H.PET	0.1781216674	-0.0852762060	0.452297998
## IDM_norm_cooc.H.PET	0.2772778740	0.2364127995	0.983122268
## Inv_var_cooc.H.PET	0.0456887799	0.1461817685	0.620519530
## Correlation_cooc.H.PET	0.5172094342	0.4623475080	0.622643002
## Autocorrelation_cooc.H.PET	0.1916039906	0.0574407015	0.859411956
## Tendency_cooc.H.PET	0.4063321472	0.5066415145	0.851634238
## Shade_cooc.H.PET	-0.1799071611	-0.2489754714	-0.447350055
## Prominence_cooc.H.PET	0.4031321429	0.5859239748	0.659069721
## IC1_d.H.PET	-0.4478664215	-0.2602524549	-0.028585723
## IC2_d.H.PET	0.4714741261	0.4362988707	0.753842833
## Coarseness_vdif.H.PET	-0.1302507911	-0.1154412168	0.430929106
## Contrast_vdif.H.PET	-0.0965740163	-0.2108933417	0.213924668
## Busyness_vdif.H.PET	0.5624135244	0.4429058279	0.119774330

## Complexity_vdif.H.PET	-0.1501626676	-0.1185103211	0.684194831
## Strength_vdif.H.PET	-0.1285970944	-0.1460164575	-0.009143538
## SRE_align.H.PET	0.2201662046	0.2640901008	0.996369334
## LRE_align.H.PET	0.2663109138	0.0285653924	0.529088899
## RLNU_align.H.PET	0.8094599701	0.9966903382	0.259505723
## RP_align.H.PET	0.1987353550	0.2621119367	0.991195996
## LGRE_align.H.PET	-0.0806643309	-0.0444135407	0.460662438
## HGRE_align.H.PET	0.2072273344	0.0822250881	0.867114383
## LGSRE_align.H.PET	-0.0834438124	-0.0470718525	0.458344372
## HGSRE_align.H.PET	0.1808992587	0.1313121765	0.950254981
## LGHRE_align.H.PET	-0.0617100244	-0.0310776687	0.471331908
## HGLRE_align.H.PET	0.2034126971	-0.0667928123	0.312055984
## GLNU_norm_align.H.PET	0.0044812213	-0.2376864699	0.406767873
## RLNU_norm_align.H.PET	0.1597375005	0.2702102503	0.960958674
## GLVAR_align.H.PET	0.3146400858	0.4310186512	0.869443476
## RLVAR_align.H.PET	0.2535838662	-0.0683816314	0.151309142
## Entropy_align.H.PET	0.3617185774	0.4496787730	0.930338033
## SZSE.H.PET	0.1883300092	0.3088999732	0.912331530
## LZSE.H.PET	0.0610683464	-0.0844576389	-0.131470356
## LGLZE.H.PET	-0.0810728227	-0.0431540170	0.461768092
## HGLZE.H.PET	0.2737000017	0.1508037800	0.825318213
## SZLGE.H.PET	-0.0867585928	-0.0504149002	0.455240962
## SZHGE.H.PET	0.1563933613	0.1684818422	0.858348683
## LZLGE.H.PET	0.0909831678	-0.0882880202	-0.079346883
## LZHGE.H.PET	0.0404835904	-0.1060601457	-0.134773291
## GLNU_area.H.PET	0.9247990289	0.9634924637	0.282406907
## ZSNU.H.PET	0.6789146987	0.9564991664	0.242311120
## ZSP.H.PET	0.0819558787	0.3036461502	0.766055565
## GLNU_norm.H.PET	0.0034387179	-0.2286210942	0.420084100
## ZSNU_norm.H.PET	0.1122959972	0.3069855774	0.806257874
## GLVAR_area.H.PET	0.3099411428	0.4215801107	0.849640394
## ZSVAR.H.PET	0.0553533950	-0.0964217378	-0.135720339
## Entropy_area.H.PET	0.4025281461	0.4086422661	0.953877757
## Max_cooc.W.PET	-0.1025100935	-0.2408169454	0.262486671
## Average_cooc.W.PET	0.1702524243	0.4733312630	0.613067759
## Variance_cooc.W.PET	0.0466819203	0.3753811287	0.351065663
## Entropy_cooc.W.PET	0.2801253333	0.4212801936	0.913021780
## DAVE_cooc.W.PET	0.0408073057	0.3169091970	0.651373115
## DVAR_cooc.W.PET	-0.0352141214	0.2854226235	0.393084185
## DENT_cooc.W.PET	0.1964375323	0.3492566689	0.906497574
## SAVE_cooc.W.PET	0.1704862658	0.4736101477	0.612336681
## SVAR_cooc.W.PET	0.0855547858	0.4064161908	0.317970761
## SENT_cooc.W.PET	0.2605459090	0.3622659560	0.938649685
## ASM_cooc.W.PET	-0.0952216482	-0.1932836229	0.316487786
## Contrast_cooc.W.PET	-0.0591488701	0.2607027461	0.405833756
## Dissimilarity_cooc.W.PET	0.0408073057	0.3169091970	0.651373115
## Inv_diff_cooc.W.PET	0.2299511604	-0.0052735037	0.657118670
## Inv_diff_norm_cooc.W.PET	0.3254688948	0.2817941471	0.979558476
## IDM_cooc.W.PET	0.1919459712	-0.0747509612	0.506889904
## IDM_norm_cooc.W.PET	0.3007308429	0.2633158520	0.985193121
## Inv_var_cooc.W.PET	0.2222126458	-0.0344927308	0.588254848
## Correlation_cooc.W.PET	0.5221773348	0.4312675728	0.604258953
## Autocorrelation_cooc.W.PET	0.0961739718	0.4568883254	0.344842228
## Tendency_cooc.W.PET	0.0855547858	0.4064161908	0.317970761

## Shade_cooc.W.PET	0.0319203806	0.2057194333	0.084031263
## Prominence_cooc.W.PET	0.0085458388	0.2052073100	0.051246687
## IC1_d.W.PET	-0.3418487831	-0.1984987686	-0.068239136
## IC2_d.W.PET	0.3502753752	0.3338719302	0.832763737
## Coarseness_vdif.W.PET	-0.2732516141	-0.2663922275	0.432103503
## Contrast_vdif.W.PET	-0.2475627015	-0.0206551879	0.578788737
## Busyness_vdif.W.PET	0.4742091319	0.1735015041	0.126853540
## Complexity_vdif.W.PET	0.1270664967	0.4281511399	0.238325221
## Strength_vdif.W.PET	-0.2019382449	-0.1376722920	0.306013436
## SRE_align.W.PET	0.2456482692	0.2509806603	0.999389077
## LRE_align.W.PET	0.3095370291	0.1245726355	0.788141883
## GLNU_align.W.PET	1.0000000000	0.8510110675	0.236391226
## RLNU_align.W.PET	0.8510110675	1.0000000000	0.254002354
## RP_align.W.PET	0.2363912256	0.2540023542	1.000000000
## LGRE_align.W.PET	-0.0154953154	-0.2602243100	0.402313770
## HGRE_align.W.PET	0.1013870408	0.4619199289	0.348361128
## LGSRE_align.W.PET	-0.0185426575	-0.2563086845	0.445519834
## HGSRE_align.W.PET	0.0935126233	0.4552309879	0.344837843
## LGHRE_align.W.PET	0.0004178113	-0.2551019295	0.218968973
## HGLRE_align.W.PET	0.1366025580	0.4892855439	0.361259561
## GLNU_norm_align.W.PET	-0.0292054025	-0.2431829930	0.415984696
## RLNU_norm_align.W.PET	0.2168124819	0.2661811285	0.995014246
## GLVAR_align.W.PET	0.0726254384	0.4125916337	0.350374208
## RLVAR_align.W.PET	0.2100380163	-0.0867144066	0.229293209
## Entropy_align.W.PET	0.3427309288	0.4397554282	0.937646738
## SZSE.W.PET	0.2090285651	0.2738223882	0.972848007
## LZSE.W.PET	0.0745445235	-0.1378758359	0.010833344
## LGLZE.W.PET	-0.0013446412	-0.2528373092	0.424020546
## HGLZE.W.PET	0.1014852914	0.4589335599	0.352390432
## SZLGE.W.PET	-0.0131955444	-0.2288124727	0.518469352
## SZHGE.W.PET	0.0802661977	0.4390973464	0.341941058
## LZLGE.W.PET	-0.0096850914	-0.1552272213	-0.093550407
## LZHGE.W.PET	0.2280440206	0.4475136441	0.332666398
## GLNU_area.W.PET	0.9829114381	0.9114404164	0.264909429
## ZSNU.W.PET	0.7743816025	0.9887105236	0.252292225
## ZSP.W.PET	0.1806782337	0.3079132960	0.930647021
## GLNU_norm.W.PET	-0.0267084300	-0.2399528309	0.434536296
## ZSNU_norm.W.PET	0.1660596491	0.3035575800	0.926048976
## GLVAR_area.W.PET	0.0742950796	0.4086532477	0.353793075
## ZSVAR.W.PET	0.0430073215	-0.1493681773	-0.070457017
## Entropy_area.W.PET	0.3763109378	0.4159311242	0.955679669
## Min_hist.ADC	-0.1745246568	-0.1011319302	0.325425920
## Max_hist.ADC	0.3522179282	0.2924214933	0.868362285
## Mean_hist.ADC	0.1952170554	0.1482389632	0.856679281
## Variance_hist.ADC	0.3115879028	0.2528072781	0.428703427
## Standard_Deviation_hist.ADC	0.3383698290	0.2746476855	0.707620298
## Skewness_hist.ADC	0.1306925851	0.1666043354	0.222523314
## Kurtosis_hist.ADC	0.1040039373	0.1389611289	0.277985431
## Energy_hist.ADC	-0.1059370439	-0.0974469946	0.447443400
## Entropy_hist.ADC	0.3438308905	0.3104891989	0.944136263
## AUC_hist.ADC	0.3011057450	0.2757091131	0.969112060
## Volume.ADC	0.6299919931	0.6656559671	0.321567707
## X3D_surface.ADC	0.4963041053	0.4708879704	0.427034863
## ratio_3ds_vol.ADC	-0.0393992592	-0.0698463013	0.640199945

## ratio_3ds_vol_norm.ADC	0.4060086869	0.3398168133	0.932677314
## irregularity.ADC	0.1822096380	0.1609602157	0.951467180
## Compactness_v1.ADC	-0.0421014468	-0.0304962767	0.682037877
##	LGRE_align.W.PET	HGRE_align.W.PET	LGSRE_align.W.PET
## Failure	0.095513333	-0.115696526	0.0946116920
## Entropy_cooc.W.ADC	-0.063981733	0.066137668	-0.0684025321
## GLNU_align.H.PET	-0.058804922	0.004453862	-0.0658659071
## Min_hist.PET	-0.218487945	0.798539742	-0.1814930154
## Max_hist.PET	-0.266883155	0.883678751	-0.2342934866
## Mean_hist.PET	-0.292085390	0.878732109	-0.2577171208
## Variance_hist.PET	-0.414698556	0.952326043	-0.3957514705
## Standard_Deviation_hist.PET	-0.297795914	0.903646360	-0.2637181608
## Skewness_hist.PET	0.591749795	-0.092807918	0.6080164823
## Kurtosis_hist.PET	0.301278653	-0.112513159	0.3053565442
## Energy_hist.PET	0.479676194	-0.048480932	0.5112783480
## Entropy_hist.PET	0.279926164	0.385444307	0.3081601564
## AUC_hist.PET	0.517458758	0.243393853	0.5533573016
## H_suv.PET	-0.239358676	0.802271214	-0.1991056984
## Volume.PET	-0.122364555	0.394701841	-0.1210450705
## X3D_surface.PET	-0.100574945	0.280719772	-0.0949097668
## ratio_3ds_vol.PET	0.634680987	-0.104477092	0.6598766880
## ratio_3ds_vol_norm.PET	0.420834829	0.122976469	0.4443617609
## irregularity.PET	0.593137246	0.171960184	0.6274697840
## tumor_length.PET	0.107637506	0.385473197	0.1244924688
## Compactness_v1.PET	0.383343929	0.125831404	0.4163027143
## Compactness_v2.PET	-0.123971573	0.314736138	-0.1206389214
## Spherical_disproportion.PET	0.420834829	0.122976469	0.4443617609
## Sphericity.PET	-0.140097031	0.290622570	-0.1391532941
## Asphericity.PET	0.412631803	0.116401690	0.4354333412
## Center_of_mass.PET	0.020464279	0.379364898	0.0264217184
## Max_3D_diam.PET	-0.123690739	0.523291563	-0.1185874952
## Major_axis_length.PET	-0.091100718	0.587266754	-0.0818080702
## Minor_axis_length.PET	0.058425605	0.416056316	0.0768756238
## Least_axis_length.PET	-0.060847509	0.458588960	-0.0465091747
## Elongation.PET	0.500691421	0.034228685	0.5377081494
## Flatness.PET	0.376264390	0.100998854	0.4118665143
## Max_cooc.L.PET	0.475517222	-0.011836160	0.5040612990
## Average_cooc.L.PET	0.327033303	0.235286823	0.3591300410
## Variance_cooc.L.PET	0.496172233	-0.007162733	0.5290577825
## Entropy_cooc.L.PET	0.412154519	0.305981267	0.4472545058
## DAVE_cooc.L.PET	0.460288528	0.083387995	0.5016225002
## DVAR_cooc.L.PET	0.424595682	0.077168599	0.4676291532
## DENT_cooc.L.PET	0.495261408	0.230218586	0.5341708329
## SAVE_cooc.L.PET	0.326656687	0.235390572	0.3587295625
## SVAR_cooc.L.PET	0.521026611	-0.007848935	0.5468496901
## SENT_cooc.L.PET	0.518167104	0.219297711	0.5543541515
## ASM_cooc.L.PET	0.431377048	-0.005999886	0.4618397897
## Contrast_cooc.L.PET	0.389823282	-0.005107758	0.4294919877
## Dissimilarity_cooc.L.PET	0.460288528	0.083387995	0.5016225002
## Inv_diff_cooc.L.PET	0.420920026	0.280452722	0.4468853316
## Inv_diff_norm_cooc.L.PET	0.483165642	0.281074842	0.5171688021
## IDM_cooc.L.PET	0.401891160	0.249836061	0.4256571283
## IDM_norm_cooc.L.PET	0.488889429	0.274583968	0.5236949950
## Inv_var_cooc.L.PET	0.400836242	0.258376495	0.4242531344

## Correlation_cooc.L.PET	0.350455854	0.196475224	0.3543477294
## Autocorrelation_cooc.L.PET	0.251793224	0.138324355	0.2751421655
## Tendency_cooc.L.PET	0.521026611	-0.007848935	0.5468496901
## Shade_cooc.L.PET	0.493240380	-0.087980504	0.4953527807
## Prominence_cooc.L.PET	0.554159879	-0.134981835	0.5708882167
## IC1_.L.PET	-0.435992024	0.128760632	-0.4405612162
## IC2_.L.PET	0.610157494	0.109395194	0.6423061806
## Coarseness_vdif_.L.PET	0.550663467	-0.101709779	0.5785628089
## Contrast_vdif_.L.PET	0.323280651	-0.127220806	0.3517403527
## Busyness_vdif_.L.PET	-0.105897368	0.324135729	-0.0976916481
## Complexity_vdif_.L.PET	0.493953382	0.058041722	0.5398145645
## Strength_vdif_.L.PET	0.607584954	-0.249118929	0.6193310994
## SRE_align.L.PET	0.502905604	0.258828880	0.5396146823
## LRE_align.L.PET	0.474553399	0.281674349	0.5088993070
## GLNU_align.L.PET	-0.155661455	0.355152354	-0.1514297077
## RLNU_align.L.PET	-0.238999986	0.413641125	-0.2367002020
## RP_align.L.PET	0.504244365	0.256373141	0.5410380516
## LGRE_align.L.PET	0.660849606	-0.028765923	0.6951438743
## HGRE_align.L.PET	0.247815751	0.152486228	0.2727522551
## LGSRE_align.L.PET	0.662798394	-0.027910984	0.6978778802
## HGSRE_align.L.PET	0.252211119	0.147538150	0.2773663369
## LGHRE_align.L.PET	0.648659144	-0.031374506	0.6796534211
## HGLRE_align.L.PET	0.228528939	0.172469123	0.2525014821
## GLNU_norm_align.L.PET	0.591258460	0.030549641	0.6256278569
## RLNU_norm_align.L.PET	0.508153895	0.248692810	0.5452662986
## GLVAR_align.L.PET	0.448885027	0.041760254	0.4823095619
## RLVAR_align.L.PET	0.381614189	0.190913604	0.4091127398
## Entropy_align.L.PET	0.415836693	0.309945134	0.4504316765
## SZSE.L.PET	0.502860423	0.255470898	0.5398064499
## LZSE.L.PET	0.282069245	0.210858413	0.3030592875
## LGLZE.L.PET	0.660410243	-0.027583499	0.6962388892
## HGLZE.L.PET	0.252139270	0.155002539	0.2776890572
## SZLGE.L.PET	0.663586275	-0.023924021	0.7013803528
## SZHGE.L.PET	0.264500092	0.149045853	0.2909358125
## LZLGE.L.PET	0.556443720	-0.023978484	0.5780937780
## LZHGE.L.PET	0.143354538	0.156847265	0.1605549232
## GLNU_area.L.PET	-0.160694149	0.361564031	-0.1564547703
## ZSNU.L.PET	-0.243504764	0.417059586	-0.2410606767
## ZSP.L.PET	0.510496533	0.244343995	0.5474812611
## GLNU_norm.L.PET	0.588044518	0.031366125	0.6226271035
## ZSNU_norm.L.PET	0.511900746	0.230285462	0.5490210751
## GLVAR_area.L.PET	0.447879155	0.051955172	0.4815443875
## ZSVAR.L.PET	0.145306529	0.231460771	0.1605747203
## Entropy_area.L.PET	0.408618687	0.320869205	0.4430304013
## Max_cooc.H.PET	0.890048151	-0.446493208	0.8567633594
## Average_cooc.H.PET	0.659121580	0.103053952	0.6863949002
## Variance_cooc.H.PET	0.000830159	0.554452081	0.0467687462
## Entropy_cooc.H.PET	0.207748251	0.498489720	0.2500419957
## DAVE_cooc.H.PET	0.162323836	0.408018628	0.2157392902
## DVAR_cooc.H.PET	0.167366468	0.385333684	0.2124215791
## DENT_cooc.H.PET	0.157838254	0.367001611	0.1926170202
## SAVE_cooc.H.PET	0.559166439	0.171365758	0.5910863628
## SVAR_cooc.H.PET	0.095045231	0.475612203	0.1283178768
## SENT_cooc.H.PET	0.107516362	0.442488899	0.1541928467

## ASM_cooc.H.PET	0.822243976	-0.393078302	0.7865431558
## Contrast_cooc.H.PET	0.059177849	0.423177878	0.1095908551
## Dissimilarity_cooc.H.PET	0.162323836	0.408018628	0.2157392902
## Inv_diff_cooc.H.PET	0.874580683	-0.279560888	0.8646672585
## Inv_diff_norm_cooc.H.PET	0.550195869	0.228253498	0.5820746669
## IDM_cooc.H.PET	0.887779802	-0.376571778	0.8712186748
## IDM_norm_cooc.H.PET	0.523318657	0.248039095	0.5577133637
## Inv_var_cooc_.H.PET	0.270768161	0.336212038	0.3086772263
## Correlation_cooc.H.PET	0.277146732	0.272934534	0.2858303608
## Autocorrelation_cooc.H.PET	0.767970343	-0.019719292	0.7851554923
## Tendency_cooc.H.PET	-0.030825960	0.575821109	0.0085861466
## Shade_cooc.H.PET	0.288664246	-0.356719031	0.2610583501
## Prominence_cooc.H.PET	-0.318673723	0.701418364	-0.2864600311
## IC1_d.H.PET	-0.129812237	0.046037064	-0.0952145993
## IC2_d.H.PET	0.308852250	0.341190084	0.3279203333
## Coarseness_vdif.H.PET	0.440345920	-0.007080573	0.4688442767
## Contrast_vdif.H.PET	0.539572011	-0.354160068	0.5366153911
## Busyness_vdif.H.PET	-0.112319936	0.052818962	-0.1158420771
## Complexity_vdif.H.PET	0.327429498	0.117108582	0.3740101005
## Strength_vdif.H.PET	0.363991261	-0.133468212	0.3221794645
## SRE_align.H.PET	0.341070221	0.393663068	0.3876355582
## LRE_align.H.PET	0.766323664	-0.227664310	0.7491105361
## RLNU_align.H.PET	-0.281445525	0.504639980	-0.2765833288
## RP_align.H.PET	0.308947989	0.420141374	0.3567345813
## LGRE_align.H.PET	0.367564136	0.076984279	0.3987247395
## HGRE_align.H.PET	0.751972758	0.001932046	0.7666175245
## LGSRE_align.H.PET	0.367904975	0.075369609	0.3990631435
## HGSRE_align.H.PET	0.615631727	0.152220952	0.6467987459
## LGHRE_align.H.PET	0.371761774	0.078443052	0.4024002240
## HGLRE_align.H.PET	0.760553764	-0.330919818	0.7246667399
## GLNU_norm_align.H.PET	0.957892135	-0.463962093	0.9460640727
## RLNU_norm_align.H.PET	0.192914091	0.499422927	0.2443786544
## GLVAR_align.H.PET	-0.060851417	0.586178947	-0.0171047059
## RLVAR_align.H.PET	0.673383445	-0.410103936	0.6370185537
## Entropy_align.H.PET	0.121663699	0.595913584	0.1579708632
## SZSE.H.PET	0.128954119	0.545581138	0.1762833979
## LZSE.H.PET	0.219259407	-0.172724111	0.1731354200
## LGLZE.H.PET	0.361049758	0.083783070	0.3920840890
## HGLZE.H.PET	0.676764365	0.021451485	0.6907263823
## SZLGE.H.PET	0.365715711	0.076358189	0.3965877657
## SZHGE.H.PET	0.378360420	0.303418891	0.4142390445
## LZLGE.H.PET	0.284232644	-0.204765334	0.2432341280
## LZHGE.H.PET	0.292021159	-0.204151177	0.2390591724
## GLNU_area.H.PET	-0.188137217	0.314688692	-0.1809695147
## ZSNU.H.PET	-0.325945250	0.599870692	-0.3214359985
## ZSP.H.PET	-0.128790050	0.673827793	-0.0792206453
## GLNU_norm.H.PET	0.915867087	-0.456551507	0.9120336803
## ZSNU_norm.H.PET	-0.054189495	0.655120507	-0.0077423462
## GLVAR_area.H.PET	-0.085232660	0.585233544	-0.0428753063
## ZSVAR_H.PET	0.250830364	-0.194644803	0.2033030094
## Entropy_area.H.PET	0.275216529	0.446166562	0.3105759397
## Max_cooc.W.PET	0.816828416	-0.332706535	0.7925890337
## Average_cooc.W.PET	-0.351898149	0.932570762	-0.3220373941
## Variance_cooc.W.PET	-0.390984985	0.920675560	-0.3706765229

## Entropy_cooc.W.PET	0.031776559	0.646237970	0.0764421314
## DAVE_cooc.W.PET	-0.265933954	0.828075930	-0.2264918562
## DVAR_cooc.W.PET	-0.391234065	0.906405146	-0.3676936037
## DENT_cooc.W.PET	0.046312656	0.636361230	0.0939125245
## SAVE_cooc.W.PET	-0.352828761	0.932785585	-0.3230234015
## SVAR_cooc.W.PET	-0.375083767	0.901150883	-0.3573323345
## SENT_cooc.W.PET	0.151677881	0.562357683	0.1973732584
## ASM_cooc.W.PET	0.721322238	-0.241188668	0.7098597706
## Contrast_cooc.W.PET	-0.398224664	0.889577675	-0.3730728467
## Dissimilarity_cooc.W.PET	-0.265933954	0.828075930	-0.2264918562
## Inv_diff_cooc.W.PET	0.847644585	-0.272013843	0.8501842071
## Inv_diff_norm_cooc.W.PET	0.490421894	0.274827441	0.5240710893
## IDM_cooc.W.PET	0.872348180	-0.380934348	0.8634318061
## IDM_norm_cooc.W.PET	0.490573551	0.272718089	0.5254269106
## Inv_var_cooc.W.PET	0.837800873	-0.339943139	0.8413604640
## Correlation_cooc.W.PET	0.334454680	0.209280025	0.3393377110
## Autocorrelation_cooc.W.PET	-0.470755324	0.998363081	-0.4562103091
## Tendency_cooc.W.PET	-0.375083767	0.901150883	-0.3573323345
## Shade_cooc.W.PET	-0.174319253	0.527253608	-0.1675225580
## Prominence_cooc.W.PET	-0.215004955	0.584555979	-0.2118053405
## IC1_d.W.PET	-0.059684766	-0.058414278	-0.0295336379
## IC2_d.W.PET	0.338147856	0.375913322	0.3624398340
## Coarseness_vdif.W.PET	0.562705228	-0.138827845	0.5877019118
## Contrast_vdif.W.PET	-0.109680482	0.585959250	-0.0655258200
## Busyness_vdif.W.PET	0.562424783	-0.407687485	0.5392057909
## Complexity_vdif.W.PET	-0.350132025	0.875406139	-0.3393967964
## Strength_vdif.W.PET	0.054256391	0.316615869	0.0836862965
## SRE_align.W.PET	0.424653947	0.329733835	0.4664511571
## LRE_align.W.PET	0.723642010	-0.038648655	0.7282703403
## GLNU_align.W.PET	-0.015495315	0.101387041	-0.0185426575
## RLNU_align.W.PET	-0.260224310	0.461919929	-0.2563086845
## RP_align.W.PET	0.402313770	0.348361128	0.4455198344
## LGRE_align.W.PET	1.000000000	-0.473624954	0.9963097418
## HGRE_align.W.PET	-0.473624954	1.000000000	-0.4590148056
## LGSRE_align.W.PET	0.996309742	-0.459014806	1.0000000000
## HGSRE_align.W.PET	-0.473766712	0.999862198	-0.4591044581
## LGHRE_align.W.PET	0.939010181	-0.484920260	0.9073908124
## HGLRE_align.W.PET	-0.471799063	0.997276308	-0.4576406910
## GLNU_norm_align.W.PET	0.947901828	-0.427318354	0.9372290033
## RLNU_norm_align.W.PET	0.329497782	0.405858585	0.3763571732
## GLVAR_align.W.PET	-0.415377974	0.952944006	-0.3965593289
## RLVAR_align.W.PET	0.735522723	-0.396053662	0.7030695770
## Entropy_align.W.PET	0.115548498	0.596225321	0.1546320931
## SZSE.W.PET	0.310974490	0.428881497	0.3564662718
## LZSE.W.PET	0.548069531	-0.333330851	0.4976228914
## LGLZE.W.PET	0.988498600	-0.470863752	0.9875349361
## HGLZE.W.PET	-0.468097734	0.999110514	-0.4530444477
## SZLGE.W.PET	0.952479684	-0.398342734	0.9647469927
## SZHGE.W.PET	-0.463227325	0.995265190	-0.4480409357
## LZLGE.W.PET	0.482436451	-0.273149610	0.4219279487
## LZHGE.W.PET	-0.329972304	0.756054492	-0.3244358964
## GLNU_area.W.PET	-0.092298042	0.195757600	-0.0897364230
## ZSNU.W.PET	-0.292056413	0.529284955	-0.2873281815
## ZSP.W.PET	0.136618225	0.535982280	0.1879681279

## GLNU_norm.W.PET	0.931618120	-0.426543573	0.9259172294
## ZSNU_norm.W.PET	0.138391654	0.551137682	0.1875708958
## GLVAR_area.W.PET	-0.411779358	0.950857517	-0.3929542390
## ZSVAR.W.PET	0.474881457	-0.318143295	0.4222426876
## Entropy_area.W.PET	0.227790368	0.502678834	0.2638770144
## Min_hist.ADC	0.280377481	0.081303990	0.2855599143
## Max_hist.ADC	0.438677453	0.253340085	0.4695596726
## Mean_hist.ADC	0.501726328	0.160228001	0.5348357030
## Variance_hist.ADC	0.321677540	0.093713797	0.3354800258
## Standard_Deviation_hist.ADC	0.419936579	0.177264302	0.4447885567
## Skewness_hist.ADC	0.045770346	0.248842027	0.0478758586
## Kurtosis_hist.ADC	0.077412287	0.179963644	0.0894458445
## Energy_hist.ADC	0.443995350	-0.010504228	0.4739366034
## Entropy_hist.ADC	0.403071390	0.306383148	0.4373546749
## AUC_hist.ADC	0.448963405	0.301459839	0.4853256092
## Volume.ADC	-0.099106569	0.373023225	-0.0976247832
## X3D_surface.ADC	0.043824217	0.240990198	0.0566178620
## ratio_3ds_vol.ADC	0.506980188	0.029603646	0.5323317261
## ratio_3ds_vol_norm.ADC	0.424573641	0.252007519	0.4591581596
## irregularity.ADC	0.500984650	0.243276229	0.5360424776
## Compactness_v1.ADC	0.518734656	0.088601849	0.5540852638
##	HGSRE_align.W.PET	LGHRE_align.W.PET	
## Failure	-0.114489472	0.0894849622	
## Entropy_cooc.W.ADC	0.063543678	-0.0374091945	
## GLNU_align.H.PET	0.000563893	-0.0227976734	
## Min_hist.PET	0.799289473	-0.3288602499	
## Max_hist.PET	0.882952409	-0.3582098295	
## Mean_hist.PET	0.878316512	-0.3868497013	
## Variance_hist.PET	0.955096448	-0.4449843475	
## Standard_Deviation_hist.PET	0.904086422	-0.3892301151	
## Skewness_hist.PET	-0.088910422	0.4900943994	
## Kurtosis_hist.PET	-0.110868193	0.2614742714	
## Energy_hist.PET	-0.048806951	0.3323116148	
## Entropy_hist.PET	0.379849097	0.1655949172	
## AUC_hist.PET	0.239187413	0.3530063199	
## H_suv.PET	0.803578011	-0.3560932259	
## Volume.PET	0.390251964	-0.1203125065	
## X3D_surface.PET	0.274671125	-0.1062383613	
## ratio_3ds_vol.PET	-0.102026221	0.4931892018	
## ratio_3ds_vol_norm.PET	0.119889418	0.3163111148	
## irregularity.PET	0.169507169	0.4231705616	
## tumor_length.PET	0.377401542	0.0523243680	
## Compactness_v1.PET	0.123560701	0.2384036841	
## Compactness_v2.PET	0.312409145	-0.1342397750	
## Spherical_disproportion.PET	0.119889418	0.3163111148	
## Sphericity.PET	0.288817589	-0.1418317600	
## Asphericity.PET	0.113398939	0.3114251131	
## Center_of_mass.PET	0.377158438	0.0154938748	
## Max_3D_diam.PET	0.517044296	-0.1312188599	
## Major_axis_length.PET	0.581101064	-0.1118861168	
## Minor_axis_length.PET	0.407741728	-0.0007384157	
## Least_axis_length.PET	0.450347598	-0.1000378393	
## Elongation.PET	0.029614741	0.3363288332	
## Flatness.PET	0.095223953	0.2258269149	

## Max_cooc.L.PET	-0.012976853	0.3414379787
## Average_cooc.L.PET	0.230910260	0.1894342906
## Variance_cooc.L.PET	-0.005291152	0.3439514205
## Entropy_cooc.L.PET	0.301136374	0.2618742035
## DAVE_cooc.L.PET	0.084756854	0.2767597891
## DVAR_cooc.L.PET	0.080766908	0.2373788294
## DENT_cooc.L.PET	0.227665293	0.3212026006
## SAVE_cooc.L.PET	0.231013850	0.1891656776
## SVAR_cooc.L.PET	-0.007421253	0.3955468521
## SENT_cooc.L.PET	0.215418173	0.3547936999
## ASM_cooc.L.PET	-0.007313607	0.2947927747
## Contrast_cooc.L.PET	-0.001194372	0.2156520011
## Dissimilarity_cooc.L.PET	0.084756854	0.2767597891
## Inv_diff_cooc.L.PET	0.274043711	0.3013032900
## Inv_diff_norm_cooc.L.PET	0.276090433	0.3289458875
## IDM_cooc.L.PET	0.243589570	0.2915672079
## IDM_norm_cooc.L.PET	0.269850281	0.3311830997
## Inv_var_cooc.L.PET	0.252301122	0.2922802816
## Correlation_cooc.L.PET	0.188119456	0.3198567379
## Autocorrelation_cooc.L.PET	0.134247767	0.1498402649
## Tendency_cooc.L.PET	-0.007421253	0.3955468521
## Shade_cooc.L.PET	-0.081657963	0.4612072396
## Prominence_cooc.L.PET	-0.131900783	0.4594131984
## IC1_.L.PET	0.125627362	-0.3730508378
## IC2_.L.PET	0.107711276	0.4503143942
## Coarseness_vdif_.L.PET	-0.101252668	0.4050970111
## Contrast_vdif_.L.PET	-0.123733618	0.1903670325
## Busyness_vdif_.L.PET	0.319244640	-0.1293501284
## Complexity_vdif_.L.PET	0.060745231	0.2910426290
## Strength_vdif_.L.PET	-0.243648793	0.5077797665
## SRE_align.L.PET	0.254778452	0.3369185053
## LRE_align.L.PET	0.276483749	0.3195174340
## GLNU_align.L.PET	0.348839717	-0.1604107181
## RLNU_align.L.PET	0.406477657	-0.2284528733
## RP_align.L.PET	0.252360178	0.3378110087
## LGRE_align.L.PET	-0.027711032	0.4896741703
## HGRE_align.L.PET	0.148882787	0.1385956296
## LGSRE_align.L.PET	-0.026853908	0.4887341027
## HGSRE_align.L.PET	0.144159327	0.1416723155
## LGHRE_align.L.PET	-0.030357870	0.4899007936
## HGLRE_align.L.PET	0.167939916	0.1250568625
## GLNU_norm_align.L.PET	0.029276445	0.4258022093
## RLNU_norm_align.L.PET	0.244846695	0.3402045730
## GLVAR_align.L.PET	0.041938013	0.2992038032
## RLVAR_align.L.PET	0.185329082	0.2610553480
## Entropy_align.L.PET	0.304810184	0.2661572149
## SZSE.L.PET	0.252511716	0.3361249988
## LZSE.L.PET	0.203489496	0.1876309066
## LGLZE.L.PET	-0.026839673	0.4829449477
## HGLZE.L.PET	0.151640236	0.1406205343
## SZLGE.L.PET	-0.023015975	0.4785224711
## SZHGE.L.PET	0.146799260	0.1488490431
## LZLGE.L.PET	-0.023771648	0.4387894058
## LZHGE.L.PET	0.149507587	0.0705101832

## GLNU_area.L.PET	0.355377292	-0.1649392776
## ZSNU.L.PET	0.410180299	-0.2327565616
## ZSP.L.PET	0.241379506	0.3430248173
## GLNU_norm.L.PET	0.030006451	0.4220650538
## ZSNU_norm.L.PET	0.227090511	0.3438723833
## GLVAR_area.L.PET	0.052189606	0.2976347800
## ZSVAR.L.PET	0.223877044	0.0813293350
## Entropy_area.L.PET	0.315459844	0.2600658209
## Max_cooc.H.PET	-0.447220315	0.9470173871
## Average_cooc.H.PET	0.099154811	0.5144045125
## Variance_cooc.H.PET	0.549368167	-0.1621177095
## Entropy_cooc.H.PET	0.496496743	0.0465895879
## DAVE_cooc.H.PET	0.406142750	-0.0408459288
## DVAR_cooc.H.PET	0.382902751	-0.0099325806
## DENT_cooc.H.PET	0.363722774	0.0353790505
## SAVE_cooc.H.PET	0.167171150	0.4092813723
## SVAR_cooc.H.PET	0.469423425	-0.0213577244
## SENT_cooc.H.PET	0.440518585	-0.0554801509
## ASM_cooc.H.PET	-0.394218119	0.8968652651
## Contrast_cooc.H.PET	0.422313841	-0.1247381442
## Dissimilarity_cooc.H.PET	0.406142750	-0.0408459288
## Inv_diff_cooc.H.PET	-0.284497778	0.8491511443
## Inv_diff_norm_cooc.H.PET	0.223648703	0.3985647087
## IDM_cooc.H.PET	-0.381224659	0.8848564581
## IDM_norm_cooc.H.PET	0.243557873	0.3643785089
## Inv_var_cooc.H.PET	0.335291065	0.1219971789
## Correlation_cooc.H.PET	0.264205976	0.2337634751
## Autocorrelation_cooc.H.PET	-0.023631689	0.6510500783
## Tendency_cooc.H.PET	0.568912186	-0.1678664534
## Shade_cooc.H.PET	-0.348249563	0.3636359910
## Prominence_cooc.H.PET	0.693902767	-0.4062726995
## IC1_d.H.PET	0.051818474	-0.2644746533
## IC2_d.H.PET	0.334019217	0.2268744921
## Coarseness_vdif.H.PET	-0.007808485	0.3113009085
## Contrast_vdif.H.PET	-0.355966441	0.4791947272
## Busyness_vdif.H.PET	0.050526164	-0.1005364222
## Complexity_vdif.H.PET	0.116298738	0.1406817270
## Strength_vdif.H.PET	-0.131680547	0.4990324421
## SRE_align.H.PET	0.390545629	0.1492670802
## LRE_align.H.PET	-0.233297408	0.8003657499
## RLNU_align.H.PET	0.498354672	-0.2785008958
## RP_align.H.PET	0.417415021	0.1148686473
## LGRE_align.H.PET	0.075295432	0.2340529471
## HGRE_align.H.PET	-0.001633375	0.6429925607
## LGSRE_align.H.PET	0.073727300	0.2343638775
## HGSRE_align.H.PET	0.149929949	0.4519572610
## LGHRE_align.H.PET	0.076429064	0.2404466490
## HGLRE_align.H.PET	-0.335679544	0.8654344590
## GLNU_norm_align.H.PET	-0.465783740	0.9271267879
## RLNU_norm_align.H.PET	0.497650407	-0.0044143711
## GLVAR_align.H.PET	0.580358256	-0.2105478281
## RLVAR_align.H.PET	-0.415326358	0.7923447599
## Entropy_align.H.PET	0.591109336	-0.0073984954
## SZSE.H.PET	0.544572274	-0.0404708871

## LZSE.H.PET	-0.173265182	0.4539542812
## LGLZE.H.PET	0.081980076	0.2284833262
## HGLZE.H.PET	0.018820273	0.5887835091
## SZLGE.H.PET	0.074740790	0.2333868148
## SZHGE.H.PET	0.305123224	0.2347279056
## LZLGE.H.PET	-0.206539270	0.4845392567
## LZHGE.H.PET	-0.204973250	0.5421026320
## GLNU_area.H.PET	0.308018380	-0.2026136740
## ZSNU.H.PET	0.595377814	-0.3179906033
## ZSP.H.PET	0.675275112	-0.2926387363
## GLNU_norm.H.PET	-0.459194569	0.8579016640
## ZSNU_norm.H.PET	0.655625510	-0.2056142811
## GLVAR_area.H.PET	0.579551172	-0.2290302278
## ZSVAR.H.PET	-0.195404192	0.4841471974
## Entropy_area.H.PET	0.440343577	0.1327173838
## Max_cooc.W.PET	-0.333311178	0.8465449368
## Average_cooc.W.PET	0.930665734	-0.4248722433
## Variance_cooc.W.PET	0.924573803	-0.4276242350
## Entropy_cooc.W.PET	0.643229456	-0.1243615849
## DAVE_cooc.W.PET	0.830615608	-0.3783652983
## DVAR_cooc.W.PET	0.911430742	-0.4380791704
## DENT_cooc.W.PET	0.635119097	-0.1217493627
## SAVE_cooc.W.PET	0.930882893	-0.4255438199
## SVAR_cooc.W.PET	0.904421390	-0.4047938651
## SENT_cooc.W.PET	0.559280981	-0.0156214489
## ASM_cooc.W.PET	-0.242364844	0.7162179050
## Contrast_cooc.W.PET	0.894773077	-0.4495655725
## Dissimilarity_cooc.W.PET	0.830615608	-0.3783652983
## Inv_diff_cooc.W.PET	-0.277745610	0.7755385435
## Inv_diff_norm_cooc.W.PET	0.269840536	0.3370959750
## IDM_cooc.W.PET	-0.386308388	0.8394861638
## IDM_norm_cooc.W.PET	0.267987484	0.3326655958
## Inv_var_cooc.W.PET	-0.345791281	0.7594486921
## Correlation_cooc.W.PET	0.200956674	0.3013040395
## Autocorrelation_cooc.W.PET	0.998046291	-0.4819589937
## Tendency_cooc.W.PET	0.904421390	-0.4047938651
## Shade_cooc.W.PET	0.532750850	-0.1839835572
## Prominence_cooc.W.PET	0.588839370	-0.2092531336
## IC1_d.W.PET	-0.055338802	-0.1837272202
## IC2_d.W.PET	0.371132433	0.2373978226
## Coarseness_vdif.W.PET	-0.137949791	0.4224173466
## Contrast_vdif.W.PET	0.591395192	-0.2496054059
## Busyness_vdif.W.PET	-0.412418723	0.6199418238
## Complexity_vdif.W.PET	0.877917817	-0.3588260531
## Strength_vdif.W.PET	0.324353982	-0.0489556781
## SRE_align.W.PET	0.326027659	0.2455504763
## LRE_align.W.PET	-0.044589825	0.6698735347
## GLNU_align.W.PET	0.093512623	0.0004178113
## RLNU_align.W.PET	0.455230988	-0.2551019295
## RP_align.W.PET	0.344837843	0.2189689727
## LGRE_align.W.PET	-0.473766712	0.9390101808
## HGRE_align.W.PET	0.999862198	-0.4849202602
## LGSRE_align.W.PET	-0.459104458	0.9073908124
## HGSRE_align.W.PET	1.000000000	-0.4852663937

## LGHRE_align.W.PET	-0.485266394	1.0000000000
## HGLRE_align.W.PET	0.995931091	-0.4811665653
## GLNU_norm_align.W.PET	-0.428788641	0.9141814661
## RLNU_norm_align.W.PET	0.402871300	0.1392300711
## GLVAR_align.W.PET	0.955680503	-0.4452193455
## RLVAR_align.W.PET	-0.401278069	0.8330794129
## Entropy_align.W.PET	0.591757570	-0.0250934826
## SZSE.W.PET	0.426860604	0.1275122908
## LZSE.W.PET	-0.336446609	0.7390423548
## LGLZE.W.PET	-0.471681519	0.9199975577
## HGLZE.W.PET	0.999386827	-0.4814286428
## SZLGE.W.PET	-0.398750950	0.8386371403
## SZHGE.W.PET	0.996479375	-0.4774687018
## LZLGE.W.PET	-0.273268773	0.7281880022
## LZHGE.W.PET	0.748830903	-0.3128781519
## GLNU_area.W.PET	0.188438654	-0.0946304388
## ZSNU.W.PET	0.523729211	-0.2878284810
## ZSP.W.PET	0.534864758	-0.0562112580
## GLNU_norm.W.PET	-0.428459255	0.8788949261
## ZSNU_norm.W.PET	0.550040712	-0.0448611193
## GLVAR_area.W.PET	0.953621287	-0.4419354148
## ZSVAR.W.PET	-0.320294975	0.6861268941
## Entropy_area.W.PET	0.497365165	0.0901381076
## Min_hist.ADC	0.081837123	0.2282139983
## Max_hist.ADC	0.249009613	0.2986070894
## Mean_hist.ADC	0.157668562	0.3453023554
## Variance_hist.ADC	0.091313016	0.2594435242
## Standard_Deviation_hist.ADC	0.173885317	0.3087798254
## Skewness_hist.ADC	0.246165646	0.0256765873
## Kurtosis_hist.ADC	0.178173820	0.0290831876
## Energy_hist.ADC	-0.011763455	0.3086519686
## Entropy_hist.ADC	0.301294480	0.2559484526
## AUC_hist.ADC	0.296755898	0.2876417409
## Volume.ADC	0.368728701	-0.1030639175
## X3D_surface.ADC	0.235756149	-0.0006935942
## ratio_3ds_vol.ADC	0.029601610	0.3752271767
## ratio_3ds_vol_norm.ADC	0.247892014	0.2691875698
## irregularity.ADC	0.240078587	0.3406507910
## Compactness_v1.ADC	0.085993418	0.3597107190
##	HGLRE_align.W.PET	GLNU_norm_align.W.PET
## Failure	-1.214177e-01	0.124874403
## Entropy_cooc.W.ADC	7.766256e-02	-0.054880758
## GLNU_align.H.PET	2.375121e-02	-0.059340216
## Min_hist.PET	7.915661e-01	-0.239882621
## Max_hist.PET	8.834826e-01	-0.268444362
## Mean_hist.PET	8.767221e-01	-0.285946808
## Variance_hist.PET	9.377462e-01	-0.400099685
## Standard_Deviation_hist.PET	8.985282e-01	-0.288481669
## Skewness_hist.PET	-1.101059e-01	0.497367648
## Kurtosis_hist.PET	-1.197814e-01	0.242697744
## Energy_hist.PET	-4.781365e-02	0.596931122
## Entropy_hist.PET	4.087525e-01	0.287941135
## AUC_hist.PET	2.599825e-01	0.539353581
## H_suv.PET	7.929509e-01	-0.209248198

## Volume.PET	4.114795e-01	-0.128964405
## X3D_surface.PET	3.065506e-01	-0.083509205
## ratio_3ds_vol.PET	-1.155715e-01	0.668760723
## ratio_3ds_vol_norm.PET	1.365497e-01	0.452577620
## irregularity.PET	1.808246e-01	0.609518950
## tumor_length.PET	4.196618e-01	0.139533017
## Compactness_v1.PET	1.339641e-01	0.501736011
## Compactness_v2.PET	3.222037e-01	-0.142145018
## Spherical_disproportion.PET	1.365497e-01	0.452577620
## Sphericity.PET	2.961660e-01	-0.180187428
## Asphericity.PET	1.296662e-01	0.444573291
## Center_of_mass.PET	3.894665e-01	0.027104472
## Max_3D_diam.PET	5.483164e-01	-0.133115984
## Major_axis_length.PET	6.119318e-01	-0.081423338
## Minor_axis_length.PET	4.509977e-01	0.057619068
## Least_axis_length.PET	4.932981e-01	-0.065119454
## Elongation.PET	5.363364e-02	0.506246320
## Flatness.PET	1.256631e-01	0.371181938
## Max_cooc.L.PET	-7.558021e-03	0.594565660
## Average_cooc.L.PET	2.522657e-01	0.409555822
## Variance_cooc.L.PET	-1.680522e-02	0.492120363
## Entropy_cooc.L.PET	3.252951e-01	0.429854972
## DAVE_cooc.L.PET	7.514787e-02	0.467688566
## DVAR_cooc.L.PET	5.925022e-02	0.424934733
## DENT_cooc.L.PET	2.393146e-01	0.507917327
## SAVE_cooc.L.PET	2.523701e-01	0.409061868
## SVAR_cooc.L.PET	-1.068199e-02	0.515221679
## SENT_cooc.L.PET	2.348126e-01	0.545265153
## ASM_cooc.L.PET	-9.289104e-04	0.551578786
## Contrast_cooc.L.PET	-2.426928e-02	0.389062331
## Dissimilarity_cooc.L.PET	7.514787e-02	0.467688566
## Inv_diff_cooc.L.PET	3.078346e-01	0.453379272
## Inv_diff_norm_cooc.L.PET	3.012248e-01	0.502625880
## IDM_cooc.L.PET	2.769233e-01	0.441921637
## IDM_norm_cooc.L.PET	2.935655e-01	0.508096964
## Inv_var_cooc.L.PET	2.841569e-01	0.442409144
## Correlation_cooc.L.PET	2.334860e-01	0.370700816
## Autocorrelation_cooc.L.PET	1.541912e-01	0.358004866
## Tendency_cooc.L.PET	-1.068199e-02	0.515221679
## Shade_cooc.L.PET	-1.153108e-01	0.382066201
## Prominence_cooc.L.PET	-1.491539e-01	0.510225485
## IC1_.L.PET	1.422605e-01	-0.413077586
## IC2_.L.PET	1.158455e-01	0.637942580
## Coarseness_vdif_.L.PET	-1.046301e-01	0.675236058
## Contrast_vdif_.L.PET	-1.433988e-01	0.314910153
## Busyness_vdif_.L.PET	3.436835e-01	-0.122976683
## Complexity_vdif_.L.PET	4.427708e-02	0.478629710
## Strength_vdif_.L.PET	-2.734351e-01	0.588881594
## SRE_align.L.PET	2.745969e-01	0.521932042
## LRE_align.L.PET	3.032264e-01	0.490724886
## GLNU_align.L.PET	3.813899e-01	-0.153462474
## RLNU_align.L.PET	4.436079e-01	-0.224257857
## RP_align.L.PET	2.720099e-01	0.523389638
## LGRE_align.L.PET	-3.392991e-02	0.590281128

## HGRE_align.L.PET	1.661355e-01	0.358681502
## LGSRE_align.L.PET	-3.314950e-02	0.593809362
## HGSRE_align.L.PET	1.601230e-01	0.362104976
## LGHRE_align.L.PET	-3.610693e-02	0.572754574
## HGLRE_align.L.PET	1.905559e-01	0.342910519
## GLNU_norm_align.L.PET	3.507325e-02	0.656535193
## RLNU_norm_align.L.PET	2.636624e-01	0.527838614
## GLVAR_align.L.PET	3.936556e-02	0.460963381
## RLVAR_align.L.PET	2.151937e-01	0.465937636
## Entropy_align.L.PET	3.305670e-01	0.441736284
## SZSE.L.PET	2.650436e-01	0.524256595
## LZSE.L.PET	2.471417e-01	0.285990948
## LGLZE.L.PET	-3.143156e-02	0.592905505
## HGLZE.L.PET	1.676249e-01	0.361987321
## SZLGE.L.PET	-2.916261e-02	0.604713482
## SZHGE.L.PET	1.557888e-01	0.371719271
## LZLGE.L.PET	-2.312333e-02	0.474211882
## LZHGE.L.PET	1.913253e-01	0.238696076
## GLNU_area.L.PET	3.868312e-01	-0.157865144
## ZSNU.L.PET	4.452670e-01	-0.228027987
## ZSP.L.PET	2.544005e-01	0.532612847
## GLNU_norm.L.PET	3.627712e-02	0.654247083
## ZSNU_norm.L.PET	2.423001e-01	0.536499076
## GLVAR_area.L.PET	4.932622e-02	0.462774045
## ZSVAR.L.PET	2.677021e-01	0.160370270
## Entropy_area.L.PET	3.427422e-01	0.432137820
## Max_cooc.H.PET	-4.416727e-01	0.942592164
## Average_cooc.H.PET	1.188865e-01	0.667346076
## Variance_cooc.H.PET	5.741823e-01	0.062279804
## Entropy_cooc.H.PET	5.042358e-01	0.180678063
## DAVE_cooc.H.PET	4.132419e-01	0.187082701
## DVAR_cooc.H.PET	3.934426e-01	0.239662794
## DENT_cooc.H.PET	3.794761e-01	0.136663566
## SAVE_cooc.H.PET	1.883284e-01	0.563575202
## SVAR_cooc.H.PET	5.011617e-01	0.146969462
## SENT_cooc.H.PET	4.493587e-01	0.148535924
## ASM_cooc.H.PET	-3.866265e-01	0.927670290
## Contrast_cooc.H.PET	4.239954e-01	0.110364021
## Dissimilarity_cooc.H.PET	4.132419e-01	0.187082701
## Inv_diff_cooc.H.PET	-2.563845e-01	0.920851851
## Inv_diff_norm_cooc.H.PET	2.468692e-01	0.568713675
## IDM_cooc.H.PET	-3.540957e-01	0.936676848
## IDM_norm_cooc.H.PET	2.659571e-01	0.539301677
## Inv_var_cooc_.H.PET	3.384615e-01	0.359347332
## Correlation_cooc.H.PET	3.113858e-01	0.297977507
## Autocorrelation_cooc.H.PET	-3.258606e-03	0.778689658
## Tendency_cooc.H.PET	6.040038e-01	0.030658076
## Shade_cooc.H.PET	-3.928424e-01	0.150815545
## Prominence_cooc.H.PET	7.318159e-01	-0.228174728
## IC1_d.H.PET	1.695584e-02	-0.073035264
## IC2_d.H.PET	3.723869e-01	0.320006115
## Coarseness_vdif.H.PET	-4.632150e-03	0.565196337
## Contrast_vdif.H.PET	-3.457475e-01	0.652090838
## Busyness_vdif.H.PET	6.141038e-02	-0.163241952

## Complexity_vdif.H.PET	1.196137e-01	0.395471676
## Strength_vdif.H.PET	-1.413907e-01	0.448622629
## SRE_align.H.PET	4.044669e-01	0.352772913
## LRE_align.H.PET	-2.005544e-01	0.794998802
## RLNU_align.H.PET	5.298704e-01	-0.261946734
## RP_align.H.PET	4.290419e-01	0.322024021
## LGRE_align.H.PET	8.337008e-02	0.502154825
## HGRE_align.H.PET	1.655159e-02	0.774829809
## LGSRE_align.H.PET	8.155006e-02	0.502130935
## HGSRE_align.H.PET	1.599303e-01	0.621645221
## LGHRE_align.H.PET	8.639530e-02	0.508091212
## HGLRE_align.H.PET	-3.060003e-01	0.811164590
## GLNU_norm_align.H.PET	-4.547914e-01	0.988652408
## RLNU_norm_align.H.PET	5.038773e-01	0.203271613
## GLVAR_align.H.PET	6.090344e-01	0.010511419
## RLVAR_align.H.PET	-3.815623e-01	0.698022398
## Entropy_align.H.PET	6.145400e-01	0.143985692
## SZSE.H.PET	5.459049e-01	0.133396842
## LZSE.H.PET	-1.662993e-01	0.215539524
## LGLZE.H.PET	9.063271e-02	0.497975892
## HGLZE.H.PET	3.257652e-02	0.655010233
## SZLGE.H.PET	8.238134e-02	0.500891018
## SZHGE.H.PET	2.931037e-01	0.344283417
## LZLGE.H.PET	-1.919494e-01	0.299671662
## LZHGE.H.PET	-1.962405e-01	0.320359660
## GLNU_area.H.PET	3.417367e-01	-0.186722067
## ZSNU.H.PET	6.163673e-01	-0.300716657
## ZSP.H.PET	6.629742e-01	-0.122241767
## GLNU_norm.H.PET	-4.435813e-01	0.946193556
## ZSNU_norm.H.PET	6.496098e-01	-0.052559827
## GLVAR_area.H.PET	6.072875e-01	-0.008374395
## ZSVAR.H.PET	-1.871218e-01	0.257604621
## Entropy_area.H.PET	4.697644e-01	0.295443040
## Max_cooc.W.PET	-3.291384e-01	0.922284484
## Average_cooc.W.PET	9.372082e-01	-0.306700974
## Variance_cooc.W.PET	9.014519e-01	-0.384723826
## Entropy_cooc.W.PET	6.562264e-01	0.039468492
## DAVE_cooc.W.PET	8.136517e-01	-0.262089334
## DVAR_cooc.W.PET	8.822043e-01	-0.382476396
## DENT_cooc.W.PET	6.385287e-01	0.043390369
## SAVE_cooc.W.PET	9.374134e-01	-0.307874276
## SVAR_cooc.W.PET	8.848441e-01	-0.370353951
## SENT_cooc.W.PET	5.732788e-01	0.163551636
## ASM_cooc.W.PET	-2.355291e-01	0.860566270
## Contrast_cooc.W.PET	8.644271e-01	-0.388668260
## Dissimilarity_cooc.W.PET	8.136517e-01	-0.262089334
## Inv_diff_cooc.W.PET	-2.458828e-01	0.891745707
## Inv_diff_norm_cooc.W.PET	2.950229e-01	0.510595762
## IDM_cooc.W.PET	-3.555751e-01	0.924160886
## IDM_norm_cooc.W.PET	2.916964e-01	0.509909948
## Inv_var_cooc.W.PET	-3.131301e-01	0.882577587
## Correlation_cooc.W.PET	2.460990e-01	0.353203803
## Autocorrelation_cooc.W.PET	9.964115e-01	-0.423091078
## Tendency_cooc.W.PET	8.848441e-01	-0.370353951

## Shade_cooc.W.PET	5.036895e-01	-0.190795310
## Prominence_cooc.W.PET	5.660077e-01	-0.217308154
## IC1_d.W.PET	-7.554143e-02	0.008513215
## IC2_d.W.PET	3.965961e-01	0.355928482
## Coarseness_vdif.W.PET	-1.437186e-01	0.688090905
## Contrast_vdif.W.PET	5.595865e-01	-0.112432156
## Busyness_vdif.W.PET	-3.844865e-01	0.496265164
## Complexity_vdif.W.PET	8.628304e-01	-0.334539154
## Strength_vdif.W.PET	2.829328e-01	-0.018073516
## SRE_align.W.PET	3.435739e-01	0.438580445
## LRE_align.W.PET	-1.109905e-02	0.756768378
## GLNU_align.W.PET	1.366026e-01	-0.029205403
## RLNU_align.W.PET	4.892855e-01	-0.243182993
## RP_align.W.PET	3.612596e-01	0.415984696
## LGRE_align.W.PET	-4.717991e-01	0.947901828
## HGRE_align.W.PET	9.972763e-01	-0.427318354
## LGSRE_align.W.PET	-4.576407e-01	0.937229003
## HGSRE_align.W.PET	9.959311e-01	-0.428788641
## LGHRE_align.W.PET	-4.811666e-01	0.914181466
## HGLRE_align.W.PET	1.000000e+00	-0.419976022
## GLNU_norm_align.W.PET	-4.199760e-01	1.000000000
## RLNU_norm_align.W.PET	4.161992e-01	0.339384966
## GLVAR_align.W.PET	9.385173e-01	-0.400686057
## RLVAR_align.W.PET	-3.682519e-01	0.789018216
## Entropy_align.W.PET	6.131552e-01	0.135714193
## SZSE.W.PET	4.336215e-01	0.323219651
## LZSE.W.PET	-3.138822e-01	0.598278486
## LGLZE.W.PET	-4.657675e-01	0.945251046
## HGLZE.W.PET	9.946755e-01	-0.425053581
## SZLGE.W.PET	-3.963770e-01	0.906641701
## SZHGE.W.PET	9.865779e-01	-0.424446896
## LZLGE.W.PET	-2.699285e-01	0.509338772
## LZHGE.W.PET	7.900208e-01	-0.257012655
## GLNU_area.W.PET	2.269042e-01	-0.100045452
## ZSNU.W.PET	5.507793e-01	-0.271179711
## ZSP.W.PET	5.365634e-01	0.142667173
## GLNU_norm.W.PET	-4.171274e-01	0.986998145
## ZSNU_norm.W.PET	5.525549e-01	0.145170116
## GLVAR_area.W.PET	9.363627e-01	-0.396346576
## ZSVAR.W.PET	-3.033386e-01	0.523094294
## Entropy_area.W.PET	5.238476e-01	0.245490473
## Min_hist.ADC	7.770103e-02	0.340593559
## Max_hist.ADC	2.705671e-01	0.436036510
## Mean_hist.ADC	1.704136e-01	0.503527439
## Variance_hist.ADC	1.032970e-01	0.304968333
## Standard_Deviation_hist.ADC	1.906948e-01	0.412583424
## Skewness_hist.ADC	2.592117e-01	0.085660169
## Kurtosis_hist.ADC	1.877223e-01	0.060346056
## Energy_hist.ADC	-5.601858e-03	0.567378044
## Entropy_hist.ADC	3.266120e-01	0.407278256
## AUC_hist.ADC	3.199982e-01	0.477537115
## Volume.ADC	3.890762e-01	-0.112026364
## X3D_surface.ADC	2.618068e-01	0.034032179
## ratio_3ds_vol.ADC	2.899540e-02	0.556399325

## ratio_3ds_vol_norm.ADC	2.678094e-01	0.429850322
## irregularity.ADC	2.557377e-01	0.531644632
## Compactness_v1.ADC	9.910918e-02	0.622015195
##	RLNU_norm_align.W.PET	GLVAR_align.W.PET
## Failure	-0.014234263	-0.116074671
## Entropy_cooc.W.ADC	0.009174338	0.054057148
## GLNU_align.H.PET	-0.063049935	0.002267382
## Min_hist.PET	0.674506693	0.781536390
## Max_hist.PET	0.678913633	0.879977123
## Mean_hist.PET	0.677715906	0.844085350
## Variance_hist.PET	0.409986797	0.999953476
## Standard_Deviation_hist.PET	0.684504891	0.923500447
## Skewness_hist.PET	0.494854476	0.034419520
## Kurtosis_hist.PET	0.123807056	-0.063359002
## Energy_hist.PET	0.425668860	-0.005781677
## Entropy_hist.PET	0.855016020	0.355402462
## AUC_hist.PET	0.962027692	0.248734542
## H_suv.PET	0.716666483	0.807639190
## Volume.PET	0.335925558	0.322911077
## X3D_surface.PET	0.225952324	0.273708234
## ratio_3ds_vol.PET	0.534632166	-0.017377836
## ratio_3ds_vol_norm.PET	0.547585311	0.190259461
## irregularity.PET	0.928834328	0.188401862
## tumor_length.PET	0.590989321	0.375528777
## Compactness_v1.PET	0.544399286	0.129229143
## Compactness_v2.PET	0.257252817	0.232448022
## Spherical_disproportion.PET	0.547585311	0.190259461
## Sphericity.PET	0.254509113	0.210712461
## Asphericity.PET	0.525952771	0.184958113
## Center_of_mass.PET	0.369196028	0.485986790
## Max_3D_diam.PET	0.473735804	0.441007390
## Major_axis_length.PET	0.523935946	0.503227667
## Minor_axis_length.PET	0.651647486	0.378094709
## Least_axis_length.PET	0.559947073	0.415661984
## Elongation.PET	0.820598262	0.062977730
## Flatness.PET	0.766737373	0.123903123
## Max_cooc.L.PET	0.444864389	0.029204595
## Average_cooc.L.PET	0.797566716	0.184626809
## Variance_cooc.L.PET	0.636880940	0.039664739
## Entropy_cooc.L.PET	0.959865468	0.291231050
## DAVE_cooc.L.PET	0.771875213	0.101030973
## DVAR_cooc.L.PET	0.707615443	0.136819802
## DENT_cooc.L.PET	0.956143347	0.234038278
## SAVE_cooc.L.PET	0.797393632	0.184665138
## SVAR_cooc.L.PET	0.617242609	0.045116792
## SENT_cooc.L.PET	0.942240378	0.230308092
## ASM_cooc.L.PET	0.422234250	0.031766735
## Contrast_cooc.L.PET	0.582267704	0.025660510
## Dissimilarity_cooc.L.PET	0.771875213	0.101030973
## Inv_diff_cooc.L.PET	0.806766850	0.287343192
## Inv_diff_norm_cooc.L.PET	0.959582107	0.278735662
## IDM_cooc.L.PET	0.717115851	0.266000734
## IDM_norm_cooc.L.PET	0.964993477	0.272441385
## Inv_var_cooc.L.PET	0.721348471	0.272752227

## Correlation_cooc.L.PET	0.558981105	0.212800597
## Autocorrelation_cooc.L.PET	0.582785135	0.080468374
## Tendency_cooc.L.PET	0.617242609	0.045116792
## Shade_cooc.L.PET	0.288920105	0.064319167
## Prominence_cooc.L.PET	0.417669707	-0.046270050
## IC1_.L.PET	-0.303031315	0.066229893
## IC2_.L.PET	0.851595483	0.154611414
## Coarseness_vdif_.L.PET	0.441669146	-0.055091661
## Contrast_vdif_.L.PET	0.254175503	-0.100543042
## Busyness_vdif_.L.PET	0.329663447	0.319047600
## Complexity_vdif_.L.PET	0.745626925	0.098161295
## Strength_vdif_.L.PET	0.257880401	-0.168295619
## SRE_align.L.PET	0.971071198	0.259146146
## LRE_align.L.PET	0.958843019	0.281082588
## GLNU_align.L.PET	0.269267892	0.330217886
## RLNU_align.L.PET	0.253797755	0.363844681
## RP_align.L.PET	0.971075954	0.256721752
## LGRE_align.L.PET	0.605353139	0.079783785
## HGRE_align.L.PET	0.612992035	0.094098895
## LGSRE_align.L.PET	0.611006356	0.079374302
## HGSRE_align.L.PET	0.612062539	0.091123460
## LGHRE_align.L.PET	0.579526728	0.081640954
## HGLRE_align.L.PET	0.615061872	0.106250856
## GLNU_norm_align.L.PET	0.646120160	0.082742329
## RLNU_norm_align.L.PET	0.970582274	0.249460130
## GLVAR_align.L.PET	0.663662885	0.063900499
## RLVAR_align.L.PET	0.606385964	0.215669513
## Entropy_align.L.PET	0.960780429	0.293542355
## SZSE.L.PET	0.952697660	0.257030236
## LZSE.L.PET	0.660627865	0.209971335
## LGLZE.L.PET	0.617098273	0.074976301
## HGLZE.L.PET	0.624256383	0.100476032
## SZLGE.L.PET	0.628729651	0.072518002
## SZHGE.L.PET	0.622914722	0.101750963
## LZLGE.L.PET	0.476619136	0.097219330
## LZHGE.L.PET	0.499913878	0.084449591
## GLNU_area.L.PET	0.272049215	0.333405221
## ZSNU.L.PET	0.256921407	0.363402671
## ZSP.L.PET	0.958768188	0.245910311
## GLNU_norm.L.PET	0.646484430	0.082281251
## ZSNU_norm.L.PET	0.961961450	0.232546837
## GLVAR_area.L.PET	0.675898028	0.074693893
## ZSVAR.L.PET	0.423778484	0.245521897
## Entropy_area.L.PET	0.960767502	0.304514974
## Max_cooc.H.PET	0.118234688	-0.425935164
## Average_cooc.H.PET	0.902362698	0.108403076
## Variance_cooc.H.PET	0.920246872	0.521629208
## Entropy_cooc.H.PET	0.894252051	0.497989055
## DAVE_cooc.H.PET	0.947353668	0.388600868
## DVAR_cooc.H.PET	0.898734876	0.343979377
## DENT_cooc.H.PET	0.805733145	0.335993529
## SAVE_cooc.H.PET	0.928832575	0.175578906
## SVAR_cooc.H.PET	0.861314389	0.443899937
## SENT_cooc.H.PET	0.767992334	0.483215103

## ASM_cooc.H.PET	0.114732280	-0.379179304
## Contrast_cooc.H.PET	0.870733216	0.390463340
## Dissimilarity_cooc.H.PET	0.947353668	0.388600868
## Inv_diff_cooc.H.PET	0.485600509	-0.270829979
## Inv_diff_norm_cooc.H.PET	0.948591717	0.231491053
## IDM_cooc.H.PET	0.365248798	-0.368279426
## IDM_norm_cooc.H.PET	0.960845551	0.250467084
## Inv_var_cooc_.H.PET	0.629339080	0.395317793
## Correlation_cooc.H.PET	0.587979682	0.283967779
## Autocorrelation_cooc.H.PET	0.808894433	-0.010117312
## Tendency_cooc.H.PET	0.864701327	0.545867087
## Shade_cooc.H.PET	-0.464061324	-0.260477148
## Prominence_cooc.H.PET	0.690937226	0.642906525
## IC1_d.H.PET	0.020249078	0.038778304
## IC2_d.H.PET	0.728359134	0.362725938
## Coarseness_vdif.H.PET	0.418677987	0.033957992
## Contrast_vdif.H.PET	0.149568866	-0.368404684
## Busyness_vdif.H.PET	0.116486897	0.025405984
## Complexity_vdif.H.PET	0.689438157	0.141434518
## Strength_vdif.H.PET	-0.030226133	-0.120097496
## SRE_align.H.PET	0.999525070	0.396394655
## LRE_align.H.PET	0.452872911	-0.234457315
## RLNU_align.H.PET	0.275816017	0.452578174
## RP_align.H.PET	0.998884687	0.423708291
## LGRE_align.H.PET	0.452291470	0.100083352
## HGRE_align.H.PET	0.818138449	0.007122037
## LGSRE_align.H.PET	0.450054941	0.098794182
## HGSRE_align.H.PET	0.925251053	0.165721541
## LGHRE_align.H.PET	0.461566935	0.100016613
## HGLRE_align.H.PET	0.228809563	-0.342483589
## GLNU_norm_align.H.PET	0.325036861	-0.442042942
## RLNU_norm_align.H.PET	0.983288731	0.505067921
## GLVAR_align.H.PET	0.891334411	0.538864758
## RLVAR_align.H.PET	0.067704621	-0.415771629
## Entropy_align.H.PET	0.941929883	0.577445855
## SZSE.H.PET	0.938906336	0.555017277
## LZSE.H.PET	-0.164358174	-0.172802107
## LGLZE.H.PET	0.453692400	0.104037201
## HGLZE.H.PET	0.787552730	0.052434376
## SZLGE.H.PET	0.447044311	0.098531393
## SZHGE.H.PET	0.865869657	0.353236417
## LZLGE.H.PET	-0.121332953	-0.204958597
## LZHGE.H.PET	-0.176096918	-0.207478012
## GLNU_area.H.PET	0.286965818	0.278040699
## ZSNU.H.PET	0.267085062	0.543517988
## ZSP.H.PET	0.820133769	0.687499103
## GLNU_norm.H.PET	0.337995514	-0.440728387
## ZSNU_norm.H.PET	0.854101839	0.671474145
## GLVAR_area.H.PET	0.872393076	0.533835276
## ZSVAR_H.PET	-0.173920323	-0.196524694
## Entropy_area.H.PET	0.948019428	0.426669769
## Max_cooc.W.PET	0.198018251	-0.307880147
## Average_cooc.W.PET	0.667315896	0.883535519
## Variance_cooc.W.PET	0.410785785	0.994287395

## Entropy_cooc.W.PET	0.941145149	0.637130821
## DAVE_cooc.W.PET	0.714218666	0.843660771
## DVAR_cooc.W.PET	0.458959009	0.956278247
## DENT_cooc.W.PET	0.940670799	0.642195863
## SAVE_cooc.W.PET	0.666623160	0.883665477
## SVAR_cooc.W.PET	0.372342191	0.986148422
## SENT_cooc.W.PET	0.957388482	0.576728166
## ASM_cooc.W.PET	0.263512935	-0.214567001
## Contrast_cooc.W.PET	0.474241139	0.926757998
## Dissimilarity_cooc.W.PET	0.714218666	0.843660771
## Inv_diff_cooc.W.PET	0.581027457	-0.271975791
## Inv_diff_norm_cooc.W.PET	0.958090143	0.272463631
## IDM_cooc.W.PET	0.421231699	-0.379705270
## IDM_norm_cooc.W.PET	0.964946958	0.270568457
## Inv_var_cooc.W.PET	0.507926744	-0.339094928
## Correlation_cooc.W.PET	0.562828380	0.226151683
## Autocorrelation_cooc.W.PET	0.401723776	0.951417417
## Tendency_cooc.W.PET	0.372342191	0.986148422
## Shade_cooc.W.PET	0.110583884	0.721803979
## Prominence_cooc.W.PET	0.077731194	0.737527068
## IC1_d.W.PET	-0.034895254	-0.092065489
## IC2_d.W.PET	0.815510785	0.414919572
## Coarseness_vdif.W.PET	0.406837132	-0.097197397
## Contrast_vdif.W.PET	0.637851239	0.641427213
## Busyness_vdif.W.PET	0.056028385	-0.413912450
## Complexity_vdif.W.PET	0.283800626	0.938110007
## Strength_vdif.W.PET	0.340368252	0.480152686
## SRE_align.W.PET	0.991218056	0.331311224
## LRE_align.W.PET	0.728499744	-0.044128276
## GLNU_align.W.PET	0.216812482	0.072625438
## RLNU_align.W.PET	0.266181128	0.412591634
## RP_align.W.PET	0.995014246	0.350374208
## LGRE_align.W.PET	0.329497782	-0.415377974
## HGRE_align.W.PET	0.405858585	0.952944006
## LGSRE_align.W.PET	0.376357173	-0.396559329
## HGSRE_align.W.PET	0.402871300	0.955680503
## LGHRE_align.W.PET	0.139230071	-0.445219346
## HGLRE_align.W.PET	0.416199162	0.938517311
## GLNU_norm_align.W.PET	0.339384966	-0.400686057
## RLNU_norm_align.W.PET	1.000000000	0.409458781
## GLVAR_align.W.PET	0.409458781	1.000000000
## RLVAR_align.W.PET	0.144845407	-0.397643635
## Entropy_align.W.PET	0.951954049	0.579314643
## SZSE.W.PET	0.978904071	0.433926590
## LZSE.W.PET	-0.056823982	-0.339773515
## LGLZE.W.PET	0.349238735	-0.418355081
## HGLZE.W.PET	0.410236395	0.961537527
## SZLGE.W.PET	0.454141215	-0.339750463
## SZHGE.W.PET	0.400583074	0.968324466
## LZLGE.W.PET	-0.145000385	-0.268971682
## LZHGE.W.PET	0.361339093	0.670513902
## GLNU_area.W.PET	0.255559236	0.163800316
## ZSNU.W.PET	0.270693873	0.477811791
## ZSP.W.PET	0.957161918	0.543285725

## GLNU_norm.W.PET	0.356220280	-0.402643289	
## ZSNU_norm.W.PET	0.954627549	0.560086628	
## GLVAR_area.W.PET	0.412584355	0.999540481	
## ZSVAR.W.PET	-0.132218104	-0.323160205	
## Entropy_area.W.PET	0.956666475	0.485185071	
## Min_hist.ADC	0.309689027	0.047024437	
## Max_hist.ADC	0.850521733	0.246032101	
## Mean_hist.ADC	0.838648095	0.162484837	
## Variance_hist.ADC	0.410492047	0.102533757	
## Standard_Deviation_hist.ADC	0.687796416	0.184968588	
## Skewness_hist.ADC	0.213345621	0.213036634	
## Kurtosis_hist.ADC	0.281388948	0.187513553	
## Energy_hist.ADC	0.432649279	0.024652045	
## Entropy_hist.ADC	0.929321358	0.300689862	
## AUC_hist.ADC	0.952395881	0.292478822	
## Volume.ADC	0.321853032	0.301571339	
## X3D_surface.ADC	0.424393709	0.215202108	
## ratio_3ds_vol.ADC	0.619351675	0.046295106	
## ratio_3ds_vol_norm.ADC	0.916797520	0.252290168	
## irregularity.ADC	0.933138508	0.243763820	
## Compactness_v1.ADC	0.663984949	0.114342609	
##	RLVAR_align.W.PET	Entropy_align.W.PET	SZSE.W.PET
## Failure	0.0564372015	-0.068219834	-0.007654237
## Entropy_cooc.W.ADC	0.0784500842	0.066387811	0.004189867
## GLNU_align.H.PET	0.1214692978	0.010151607	-0.083997835
## Min_hist.PET	-0.3496905537	0.761391514	0.686416060
## Max_hist.PET	-0.3028563620	0.819041216	0.693174304
## Mean_hist.PET	-0.3551932356	0.796449873	0.689667885
## Variance_hist.PET	-0.3981162964	0.579143995	0.434421626
## Standard_Deviation_hist.PET	-0.3317860368	0.818662067	0.697401938
## Skewness_hist.PET	0.2914351767	0.382564931	0.495974718
## Kurtosis_hist.PET	0.1423479329	0.070670928	0.130872477
## Energy_hist.PET	0.3387146332	0.272476125	0.424763447
## Entropy_hist.PET	0.2875525970	0.883157408	0.832262953
## AUC_hist.PET	0.3795649499	0.892329293	0.937522911
## H_suv.PET	-0.3345449184	0.790503001	0.727805700
## Volume.PET	-0.0116251357	0.468683796	0.351709375
## X3D_surface.PET	0.0765023167	0.349464210	0.241256883
## ratio_3ds_vol.PET	0.3471091404	0.339230955	0.526966809
## ratio_3ds_vol_norm.PET	0.3936580035	0.502453157	0.534040440
## irregularity.PET	0.3739843679	0.813968569	0.911256512
## tumor_length.PET	0.2497246648	0.689053451	0.583724557
## Compactness_v1.PET	0.3058401436	0.456777982	0.552892553
## Compactness_v2.PET	-0.1233322899	0.337541393	0.283012808
## Spherical_disproportion.PET	0.3936580035	0.502453157	0.534040440
## Sphericity.PET	-0.1471323490	0.336954480	0.273285488
## Asphericity.PET	0.3894075057	0.481986852	0.513044201
## Center_of_mass.PET	0.1734230224	0.475551657	0.374557800
## Max_3D_diam.PET	0.0162863219	0.636692171	0.487183506
## Major_axis_length.PET	0.0464443925	0.678097443	0.535603212
## Minor_axis_length.PET	0.2057305870	0.771601309	0.643221006
## Least_axis_length.PET	0.1193354710	0.714229830	0.549803770
## Elongation.PET	0.3734129914	0.722071909	0.776503903
## Flatness.PET	0.3041341841	0.716888237	0.712488057

## Max_cooc.L.PET	0.3722479257	0.317384818	0.443552064
## Average_cooc.L.PET	0.2519233644	0.716620602	0.763409439
## Variance_cooc.L.PET	0.2000112660	0.459080829	0.607215187
## Entropy_cooc.L.PET	0.3214966258	0.920404351	0.929296530
## DAVE_cooc.L.PET	0.1345904008	0.597959315	0.747430515
## DVAR_cooc.L.PET	0.0457092904	0.525158525	0.694514936
## DENT_cooc.L.PET	0.2917930112	0.856314545	0.928261027
## SAVE_cooc.L.PET	0.2516043959	0.716557026	0.763224264
## SVAR_cooc.L.PET	0.3049938019	0.470810940	0.581352171
## SENT_cooc.L.PET	0.3843636928	0.859202535	0.908383671
## ASM_cooc.L.PET	0.3497471785	0.303052842	0.420715684
## Contrast_cooc.L.PET	0.0062679815	0.378603493	0.566479049
## Dissimilarity_cooc.L.PET	0.1345904008	0.597959315	0.747430515
## Inv_diff_cooc.L.PET	0.4247289480	0.811151579	0.786552109
## Inv_diff_norm_cooc.L.PET	0.3804744545	0.913019035	0.934077789
## IDM_cooc.L.PET	0.4240285212	0.724799852	0.698280509
## IDM_norm_cooc.L.PET	0.3737028505	0.911080469	0.938745212
## Inv_var_cooc.L.PET	0.4228490721	0.731898431	0.715988085
## Correlation_cooc.L.PET	0.5388202058	0.631900469	0.530421942
## Autocorrelation_cooc.L.PET	0.2259623797	0.498308671	0.547433257
## Tendency_cooc.L.PET	0.3049938019	0.470810940	0.581352171
## Shade_cooc.L.PET	0.2384369858	0.193686605	0.286133427
## Prominence_cooc.L.PET	0.2801590657	0.251740808	0.389844508
## IC1_.L.PET	-0.1951574559	-0.154616589	-0.283623079
## IC2_.L.PET	0.4191500991	0.721813241	0.821916262
## Coarseness_vdif_.L.PET	0.3766416479	0.258991657	0.439171852
## Contrast_vdif_.L.PET	-0.0239094780	0.057975375	0.254310894
## Busyness_vdif_.L.PET	-0.0147128893	0.457709446	0.335527351
## Complexity_vdif_.L.PET	0.0891541382	0.547679905	0.727202221
## Strength_vdif_.L.PET	0.1984076312	0.026830462	0.268347382
## SRE_align.L.PET	0.3564301663	0.899852855	0.946985696
## LRE_align.L.PET	0.3738008552	0.913071158	0.921329379
## GLNU_align.L.PET	-0.0006822394	0.421414504	0.275070815
## RLNU_align.L.PET	-0.0413251611	0.426400826	0.259244641
## RP_align.L.PET	0.3558287566	0.898248195	0.945967332
## LGRE_align.L.PET	0.3200367989	0.465280223	0.605212779
## HGRE_align.L.PET	0.2009441666	0.521339654	0.582359427
## LGSRE_align.L.PET	0.3199730149	0.468734346	0.611214220
## HGSRE_align.L.PET	0.1976969536	0.517114863	0.583376456
## LGHRE_align.L.PET	0.3192533674	0.449435019	0.578058220
## HGLRE_align.L.PET	0.2135828315	0.537313282	0.575720827
## GLNU_norm_align.L.PET	0.4062084511	0.511518880	0.641993468
## RLNU_norm_align.L.PET	0.3528347338	0.892355077	0.943354617
## GLVAR_align.L.PET	0.2095045038	0.508755353	0.631012777
## RLVAR_align.L.PET	0.4184182891	0.588786929	0.590647181
## Entropy_align.L.PET	0.3352804547	0.921989340	0.930303912
## SZSE.L.PET	0.3315738958	0.874265287	0.963144649
## LZSE.L.PET	0.3151955840	0.667141559	0.523102928
## LGLZE.L.PET	0.3224423371	0.474936896	0.615191697
## HGLZE.L.PET	0.1991626384	0.530069277	0.593961743
## SZLGE.L.PET	0.3175687158	0.479040004	0.640007407
## SZHGE.L.PET	0.1812633341	0.519589084	0.618080163
## LZLGE.L.PET	0.3038376611	0.386843779	0.437342786
## LZHGE.L.PET	0.2203622236	0.464271810	0.372765312

## GLNU_area.L.PET	-0.0084302853	0.425181505	0.286939062
## ZSNU.L.PET	-0.0525960952	0.428050894	0.273689967
## ZSP.L.PET	0.3370151109	0.874208278	0.958447396
## GLNU_norm.L.PET	0.4069806884	0.512943393	0.642268337
## ZSNU_norm.L.PET	0.3403836288	0.870149581	0.940614483
## GLVAR_area.L.PET	0.2114136114	0.521568484	0.643892392
## ZSVAR.L.PET	0.2540819308	0.484550563	0.328463612
## Entropy_area.L.PET	0.3370498330	0.930139056	0.928813092
## Max_cooc.H.PET	0.8127205774	-0.049274478	0.115399220
## Average_cooc.H.PET	0.4915388923	0.795917593	0.872273723
## Variance_cooc.H.PET	-0.0033718513	0.959037196	0.898638591
## Entropy_cooc.H.PET	0.0085211822	0.882476145	0.878573368
## DAVE_cooc.H.PET	-0.0204534952	0.894756600	0.927621031
## DVAR_cooc.H.PET	0.0616813362	0.850287231	0.881011140
## DENT_cooc.H.PET	0.0997107927	0.817725133	0.792512086
## SAVE_cooc.H.PET	0.4299288921	0.849697339	0.899331579
## SVAR_cooc.H.PET	0.1779898383	0.918186119	0.835595559
## SENT_cooc.H.PET	0.0158709978	0.754269108	0.743402171
## ASM_cooc.H.PET	0.8013064301	-0.036221346	0.113759700
## Contrast_cooc.H.PET	-0.0958490639	0.823379876	0.856405743
## Dissimilarity_cooc.H.PET	-0.0204534952	0.894756600	0.927621031
## Inv_diff_cooc.H.PET	0.8702889940	0.360317197	0.458789743
## Inv_diff_norm_cooc.H.PET	0.4257230520	0.880721776	0.921575762
## IDM_cooc.H.PET	0.9027821545	0.230985100	0.339288509
## IDM_norm_cooc.H.PET	0.3904346689	0.894808484	0.933868517
## Inv_var_cooc_.H.PET	0.1808994929	0.588658250	0.633040635
## Correlation_cooc.H.PET	0.4614732346	0.674887527	0.559860998
## Autocorrelation_cooc.H.PET	0.6033412571	0.681252407	0.777326170
## Tendency_cooc.H.PET	0.0468310347	0.946576345	0.841091179
## Shade_cooc.H.PET	0.0722940595	-0.544932958	-0.432502170
## Prominence_cooc.H.PET	-0.1491990762	0.841247616	0.675428707
## IC1_d.H.PET	-0.4737652010	-0.102540673	0.042217824
## IC2_d.H.PET	0.4126984912	0.788509713	0.699979427
## Coarseness_vdif.H.PET	0.3407572784	0.290787292	0.418424575
## Contrast_vdif.H.PET	0.4986647073	-0.006689903	0.131767891
## Busyness_vdif.H.PET	-0.0760595688	0.189931682	0.132060557
## Complexity_vdif.H.PET	0.1597253989	0.559553198	0.656574413
## Strength_vdif.H.PET	0.2455374877	-0.109013704	-0.017924919
## SRE_align.H.PET	0.1523123521	0.948958559	0.979575214
## LRE_align.H.PET	0.8940121620	0.377272783	0.411036640
## RLNU_align.H.PET	-0.1236703266	0.450668910	0.284785177
## RP_align.H.PET	0.1100295885	0.950104242	0.979980167
## LGRE_align.H.PET	0.3122877566	0.352744536	0.451293967
## HGRE_align.H.PET	0.5858537207	0.693665558	0.792223680
## LGSRE_align.H.PET	0.3112146591	0.349857938	0.449220011
## HGSRE_align.H.PET	0.3593906229	0.807529975	0.904773765
## LGHRE_align.H.PET	0.3298089894	0.365471314	0.458578889
## HGLRE_align.H.PET	0.9641649971	0.156476090	0.202172946
## GLNU_norm_align.H.PET	0.8109532321	0.124334068	0.303262199
## RLNU_norm_align.H.PET	-0.0159407615	0.949816512	0.967889666
## GLVAR_align.H.PET	-0.0265493827	0.951608749	0.870569306
## RLVAR_align.H.PET	0.9811615754	0.024194199	0.037207910
## Entropy_align.H.PET	0.1117617166	0.998401529	0.926889711
## SZSE.H.PET	-0.0378257769	0.935549141	0.968343361

## LZSE.H.PET	0.5991064609	-0.131049677	-0.155955852
## LGLZE.H.PET	0.3096661230	0.356028481	0.452492457
## HGLZE.H.PET	0.5323083205	0.696451944	0.757345916
## SZLGE.H.PET	0.3096608211	0.347043773	0.447304703
## SZHGE.H.PET	0.1308761696	0.792743724	0.903287188
## LZLGE.H.PET	0.6947086598	-0.097440033	-0.124184354
## LZHGE.H.PET	0.6774142282	-0.154073361	-0.164086318
## GLNU_area.H.PET	-0.0503901035	0.431268070	0.301661446
## ZSNU.H.PET	-0.1993834449	0.443722117	0.291824740
## ZSP.H.PET	-0.3221166982	0.846742812	0.849102429
## GLNU_norm.H.PET	0.8056218890	0.144184349	0.307313971
## ZSNU_norm.H.PET	-0.2111785755	0.881570820	0.871448520
## GLVAR_area.H.PET	-0.0436208838	0.937938927	0.851657989
## ZSVAR_H.PET	0.6419066041	-0.144844206	-0.162031467
## Entropy_area.H.PET	0.2456890033	0.968535525	0.918804700
## Max_cooc.W.PET	0.7217116746	0.031069031	0.201580272
## Average_cooc.W.PET	-0.3219976922	0.816800827	0.676906998
## Variance_cooc.W.PET	-0.3984292651	0.566714923	0.435324437
## Entropy_cooc.W.PET	-0.0604871248	0.987964732	0.929275981
## DAVE_cooc.W.PET	-0.3784526708	0.799078820	0.727054555
## DVAR_cooc.W.PET	-0.4358279854	0.591289287	0.484463524
## DENT_cooc.W.PET	-0.1112565615	0.963044367	0.933212680
## SAVE_cooc.W.PET	-0.3227738272	0.816379249	0.676219762
## SVAR_cooc.W.PET	-0.3640262415	0.535382515	0.396060264
## SENT_cooc.W.PET	0.0509774032	0.974733782	0.938984778
## ASM_cooc.W.PET	0.6675739848	0.111459335	0.265113952
## Contrast_cooc.W.PET	-0.4533572091	0.597771014	0.498738858
## Dissimilarity_cooc.W.PET	-0.3784526708	0.799078820	0.727054555
## Inv_diff_cooc.W.PET	0.8097086693	0.443668950	0.545958173
## Inv_diff_norm_cooc.W.PET	0.3875529899	0.909525837	0.932418630
## IDM_cooc.W.PET	0.8754399810	0.279503175	0.388848569
## IDM_norm_cooc.W.PET	0.3746964017	0.910101012	0.938612499
## Inv_var_cooc.W.PET	0.8189540418	0.365630910	0.475163212
## Correlation_cooc.W.PET	0.5224610703	0.639292826	0.534436823
## Autocorrelation_cooc.W.PET	-0.3903986057	0.591746762	0.423943542
## Tendency_cooc.W.PET	-0.3640262415	0.535382515	0.396060264
## Shade_cooc.W.PET	-0.1808322791	0.209553880	0.128854411
## Prominence_cooc.W.PET	-0.1895299705	0.191821136	0.095571154
## IC1_d.W.PET	-0.3459395382	-0.155541826	-0.019975519
## IC2_d.W.PET	0.3785908937	0.843939300	0.791640236
## Coarseness_vdif.W.PET	0.3560103738	0.205951439	0.404528556
## Contrast_vdif.W.PET	-0.3366627466	0.619752327	0.646643911
## Busyness_vdif.W.PET	0.6687416778	0.015354469	0.016985105
## Complexity_vdif.W.PET	-0.3080381960	0.451591953	0.308435110
## Strength_vdif.W.PET	-0.1843390172	0.306350968	0.359441818
## SRE_align.W.PET	0.2610159407	0.932361897	0.969195608
## LRE_align.W.PET	0.7638024042	0.651603674	0.686329777
## GLNU_align.W.PET	0.2100380163	0.342730929	0.209028565
## RLNU_align.W.PET	-0.0867144066	0.439755428	0.273822388
## RP_align.W.PET	0.2292932094	0.937646738	0.972848007
## LGRE_align.W.PET	0.7355227225	0.115548498	0.310974490
## HGRE_align.W.PET	-0.3960536616	0.596225321	0.428881497
## LGSRE_align.W.PET	0.7030695770	0.154632093	0.356466272
## HGSRE_align.W.PET	-0.4012780694	0.591757570	0.426860604

## LGHRE_align.W.PET	0.8330794129	-0.025093483	0.127512291
## HGLRE_align.W.PET	-0.3682518671	0.613155208	0.433621480
## GLNU_norm_align.W.PET	0.7890182164	0.135714193	0.323219651
## RLNU_norm_align.W.PET	0.1448454068	0.951954049	0.978904071
## GLVAR_align.W.PET	-0.3976436352	0.579314643	0.433926590
## RLVAR_align.W.PET	1.0000000000	0.077387157	0.116479301
## Entropy_align.W.PET	0.0773871565	1.0000000000	0.936306954
## SZSE.W.PET	0.1164793010	0.936306954	1.0000000000
## LZSE.W.PET	0.8614360810	-0.088961423	-0.101968961
## LGLZE.W.PET	0.7667432749	0.141907987	0.326363962
## HGLZE.W.PET	-0.3977737699	0.598793237	0.433615288
## SZLGE.W.PET	0.6820052845	0.242035117	0.452783157
## SZHGE.W.PET	-0.4096522222	0.583967957	0.432187754
## LZLGE.W.PET	0.6847237528	-0.174389451	-0.141097709
## LZHGE.W.PET	-0.0438919479	0.548932860	0.281688179
## GLNU_area.W.PET	0.0895129996	0.389743975	0.266122590
## ZSNU.W.PET	-0.1485962530	0.444916130	0.292313058
## ZSP.W.PET	-0.0736508097	0.938759094	0.973808461
## GLNU_norm.W.PET	0.8007684561	0.154914568	0.337610536
## ZSNU_norm.W.PET	-0.0607652852	0.938362862	0.960011389
## GLVAR_area.W.PET	-0.3930336884	0.581969943	0.436721666
## ZSVAR.W.PET	0.8132829230	-0.151127240	-0.154313927
## Entropy_area.W.PET	0.1991101159	0.987513267	0.930145650
## Min_hist.ADC	0.1534937464	0.224581717	0.305678608
## Max_hist.ADC	0.3232964911	0.808479303	0.835519318
## Mean_hist.ADC	0.3124387025	0.740826061	0.818101207
## Variance_hist.ADC	0.2803666120	0.387798899	0.414553733
## Standard_Deviation_hist.ADC	0.3326254052	0.645782974	0.680058318
## Skewness_hist.ADC	0.1000044304	0.263396734	0.204569130
## Kurtosis_hist.ADC	0.0529526817	0.303125556	0.264386892
## Energy_hist.ADC	0.3624781557	0.308703378	0.426462023
## Entropy_hist.ADC	0.3143807009	0.903877370	0.910577543
## AUC_hist.ADC	0.3373421784	0.902785805	0.928870483
## Volume.ADC	-0.0178618903	0.444099594	0.341978149
## X3D_surface.ADC	0.0983809888	0.494239314	0.439729881
## ratio_3ds_vol.ADC	0.3142115298	0.477835751	0.584503554
## ratio_3ds_vol_norm.ADC	0.2949528913	0.869357985	0.901997387
## irregularity.ADC	0.3492733278	0.848684494	0.901673877
## Compactness_v1.ADC	0.4140750973	0.545628224	0.646824317
##	LZSE.W.PET	LGLZE.W.PET	HGLZE.W.PET
## Failure	0.035724853	0.095129668	-0.115194225
## Entropy_cooc.W.ADC	0.070098779	-0.037086091	0.063941885
## GLNU_align.H.PET	0.106249147	-0.042286905	0.002107242
## Min_hist.PET	-0.350582526	-0.220091936	0.799624263
## Max_hist.PET	-0.338895481	-0.262767639	0.888685990
## Mean_hist.PET	-0.355343303	-0.288194244	0.878562425
## Variance_hist.PET	-0.340073128	-0.417582783	0.960858524
## Standard_Deviation_hist.PET	-0.347799944	-0.292811339	0.910274370
## Skewness_hist.PET	0.104837751	0.565500790	-0.071988566
## Kurtosis_hist.PET	0.031122404	0.282650708	-0.102720508
## Energy_hist.PET	0.101418751	0.492592156	-0.045633786
## Entropy_hist.PET	0.075111010	0.313904748	0.385712807
## AUC_hist.PET	0.134231735	0.540658164	0.247656389
## H_suv.PET	-0.354129178	-0.226496052	0.804343255

## Volume.PET	-0.100661074	-0.114582357	0.393109395	-0.096021666
## X3D_surface.PET	-0.045184579	-0.090542241	0.278892156	-0.064299845
## ratio_3ds_vol.PET	0.172359605	0.628151558	-0.095565833	0.685649549
## ratio_3ds_vol_norm.PET	0.158032128	0.438407367	0.127205030	0.497928606
## irregularity.PET	0.153587519	0.607051853	0.177510485	0.677347000
## tumor_length.PET	0.062144125	0.133645676	0.383470164	0.185667658
## Compactness_v1.PET	0.039519911	0.404741414	0.126853069	0.497731813
## Compactness_v2.PET	-0.135909084	-0.133540458	0.313208874	-0.121176302
## Spherical_disproportion.PET	0.158032128	0.438407367	0.127205030	0.497928606
## Sphericity.PET	-0.130352247	-0.150072596	0.289693957	-0.149057915
## Asphericity.PET	0.156780015	0.429742796	0.120592221	0.487999353
## Center_of_mass.PET	0.053120909	0.024370257	0.391428182	0.050945807
## Max_3D_diam.PET	-0.070270134	-0.114032477	0.521414123	-0.088269133
## Major_axis_length.PET	-0.054615230	-0.078103589	0.584417120	-0.041171589
## Minor_axis_length.PET	0.012854950	0.084763239	0.413890515	0.136199913
## Least_axis_length.PET	-0.020981744	-0.035270227	0.456349569	-0.001506608
## Elongation.PET	0.131479300	0.530374558	0.035591307	0.599893768
## Flatness.PET	0.112719710	0.407422630	0.101731055	0.455871252
## Max_cooc.L.PET	0.119830503	0.493485476	-0.008973265	0.575044322
## Average_cooc.L.PET	0.125769685	0.362005405	0.229070020	0.417394613
## Variance_cooc.L.PET	0.131500703	0.497766007	-0.003943905	0.538689249
## Entropy_cooc.L.PET	0.114826119	0.445594827	0.306722783	0.519155490
## DAVE_cooc.L.PET	0.033333724	0.467036759	0.085603735	0.538163926
## DVAR_cooc.L.PET	-0.046333316	0.416102679	0.086097952	0.496018314
## DENT_cooc.L.PET	0.102186217	0.516107639	0.233229164	0.592784239
## SAVE_cooc.L.PET	0.125706633	0.361613434	0.229169475	0.416921494
## SVAR_cooc.L.PET	0.224337055	0.529135816	-0.004754375	0.551215772
## SENT_cooc.L.PET	0.163991227	0.547982593	0.222147177	0.620091320
## ASM_cooc.L.PET	0.096314847	0.453956258	-0.004100731	0.538483111
## Contrast_cooc.L.PET	-0.033658213	0.380847498	-0.002125013	0.446165662
## Dissimilarity_cooc.L.PET	0.033333724	0.467036759	0.085603735	0.538163926
## Inv_diff_cooc.L.PET	0.145421805	0.446073759	0.285923437	0.511237683
## Inv_diff_norm_cooc.L.PET	0.136983440	0.509476196	0.284713615	0.582313376
## IDM_cooc.L.PET	0.141341484	0.424636305	0.256104136	0.487190005
## IDM_norm_cooc.L.PET	0.135281197	0.515109508	0.278040604	0.588495105
## Inv_var_cooc.L.PET	0.134578031	0.425728531	0.264140430	0.496297725
## Correlation_cooc.L.PET	0.309504916	0.381584131	0.199649103	0.381859830
## Autocorrelation_cooc.L.PET	0.154836612	0.287451897	0.128675482	0.319013021
## Tendency_cooc.L.PET	0.224337055	0.529135816	-0.004754375	0.551215772
## Shade_cooc.L.PET	0.209474666	0.453867472	-0.068632145	0.445971077
## Prominence_cooc.L.PET	0.246252292	0.541750365	-0.128740694	0.544504115
## IC1_.L.PET	-0.205188686	-0.405429394	0.118618954	-0.370888751
## IC2_.L.PET	0.208492001	0.624948237	0.116464401	0.680539326
## Coarseness_vdif_.L.PET	0.160547184	0.562368491	-0.098470576	0.628682703
## Contrast_vdif_.L.PET	-0.035701838	0.284533185	-0.123445956	0.310344016
## Busyness_vdif_.L.PET	-0.108381143	-0.100339924	0.326406192	-0.071597032
## Complexity_vdif_.L.PET	-0.017477554	0.489705816	0.063158359	0.573761071
## Strength_vdif_.L.PET	0.149756298	0.555388231	-0.237168100	0.561184180
## SRE_align.L.PET	0.125102045	0.527504521	0.262214923	0.604475787
## LRE_align.L.PET	0.141652873	0.500089403	0.285670155	0.566751539
## GLNU_align.L.PET	-0.093443655	-0.148457510	0.356153073	-0.128442087
## RLNU_align.L.PET	-0.104754555	-0.229836881	0.410647340	-0.212153910
## RP_align.L.PET	0.126292599	0.528869498	0.259716007	0.605460852
## LGRE_align.L.PET	0.067883481	0.638666081	-0.014371485	0.713265649

## HGRE_align.L.PET	0.135225943	0.279621552	0.143197844	0.318711429
## LGSRE_align.L.PET	0.065642875	0.641636785	-0.013788449	0.717991930
## HGSRE_align.L.PET	0.131967489	0.283210383	0.138518964	0.323406434
## LGHRE_align.L.PET	0.076186621	0.623039800	-0.016008741	0.690719787
## HGLRE_align.L.PET	0.148735349	0.263468483	0.162126027	0.297500440
## GLNU_norm_align.L.PET	0.118986230	0.600856357	0.037965448	0.687069246
## RLNU_norm_align.L.PET	0.128511412	0.532832308	0.251896647	0.608894993
## GLVAR_align.L.PET	0.136120058	0.461290635	0.041499684	0.505890557
## RLVAR_align.L.PET	0.118552869	0.408730892	0.195545566	0.482087227
## Entropy_align.L.PET	0.125638142	0.448956529	0.310677623	0.520675432
## SZSE.L.PET	0.080944212	0.524342070	0.258788457	0.617621614
## LZSE.L.PET	0.224493275	0.308304783	0.214010872	0.297729811
## LGLZE.L.PET	0.061988170	0.642241170	-0.014192368	0.719384724
## HGLZE.L.PET	0.132234393	0.281868663	0.146648927	0.321037051
## SZLGE.L.PET	0.040056948	0.648444362	-0.011787628	0.736581042
## SZHGE.L.PET	0.096964543	0.289260042	0.141968284	0.340593383
## LZLGE.L.PET	0.131570224	0.528082373	-0.006936649	0.557642460
## LZHGE.L.PET	0.235792314	0.184877642	0.145124880	0.167111435
## GLNU_area.L.PET	-0.105666852	-0.153904540	0.362130774	-0.129417495
## ZSNU.L.PET	-0.119609377	-0.234951408	0.413628617	-0.211497553
## ZSP.L.PET	0.096971580	0.532582493	0.247611978	0.620742866
## GLNU_norm.L.PET	0.117181587	0.599131318	0.038492965	0.686241904
## ZSNU_norm.L.PET	0.120433152	0.534896792	0.233375896	0.613908977
## GLVAR_area.L.PET	0.135182251	0.459979444	0.052144234	0.505984802
## ZSVAR.L.PET	0.132735597	0.167046894	0.235355594	0.166164909
## Entropy_area.L.PET	0.124856688	0.441688239	0.321854947	0.512282364
## Max_cooc.H.PET	0.724027349	0.875045818	-0.445026913	0.798687257
## Average_cooc.H.PET	0.260389508	0.678764779	0.106778935	0.724841900
## Variance_cooc.H.PET	-0.163944744	0.041198624	0.553909097	0.152342414
## Entropy_cooc.H.PET	-0.110486463	0.210547591	0.502525363	0.303786909
## DAVE_cooc.H.PET	-0.175700586	0.192243166	0.409108708	0.313589539
## DVAR_cooc.H.PET	-0.080413963	0.208943151	0.383862365	0.315378510
## DENT_cooc.H.PET	-0.068593034	0.178660134	0.368290131	0.263903713
## SAVE_cooc.H.PET	0.181739117	0.581826184	0.175563717	0.641261228
## SVAR_cooc.H.PET	-0.014720540	0.138935469	0.475676916	0.221400953
## SENT_cooc.H.PET	-0.137353191	0.134636538	0.446543670	0.255111406
## ASM_cooc.H.PET	0.710711584	0.809336630	-0.393185814	0.737495426
## Contrast_cooc.H.PET	-0.202486981	0.091311185	0.422298893	0.213707110
## Dissimilarity_cooc.H.PET	-0.175700586	0.192243166	0.409108708	0.313589539
## Inv_diff_cooc.H.PET	0.643091720	0.892788166	-0.278145628	0.853153545
## Inv_diff_norm_cooc.H.PET	0.185919300	0.573586455	0.232044634	0.637796286
## IDM_cooc.H.PET	0.690416004	0.904957135	-0.375921351	0.848583061
## IDM_norm_cooc.H.PET	0.152976907	0.547086146	0.251816434	0.617056439
## Inv_var_cooc.H.PET	-0.058185150	0.285279752	0.343263206	0.398162374
## Correlation_cooc.H.PET	0.233197031	0.308250442	0.276137688	0.321987860
## Autocorrelation_cooc.H.PET	0.374488455	0.782957528	-0.016170306	0.801952138
## Tendency_cooc.H.PET	-0.128489979	0.010380092	0.575507929	0.105501441
## Shade_cooc.H.PET	0.200699282	0.241943426	-0.347703967	0.176374639
## Prominence_cooc.H.PET	-0.253242039	-0.283547460	0.697365080	-0.190714030
## IC1_d.H.PET	-0.447288160	-0.136201850	0.044010125	-0.031008313
## IC2_d.H.PET	0.179939796	0.333196153	0.346752783	0.366110718
## Coarseness_vdif.H.PET	0.106089634	0.456386723	-0.004787410	0.537547738
## Contrast_vdif.H.PET	0.410588476	0.575254618	-0.357933741	0.536574289
## Busyness_vdif.H.PET	-0.090609173	-0.118190573	0.054399220	-0.124830471

## Complexity_vdif.H.PET	-0.005114677	0.365963310	0.117395249	0.471048741
## Strength_vdif.H.PET	0.355375487	0.289337363	-0.131206843	0.221360758
## SRE_align.H.PET	-0.057119881	0.360563235	0.397940001	0.464866403
## LRE_align.H.PET	0.771816267	0.797885488	-0.227868477	0.742685511
## RLNU_align.H.PET	-0.160859397	-0.275222148	0.501228021	-0.246953413
## RP_align.H.PET	-0.087021066	0.326926205	0.424561487	0.435564781
## LGRE_align.H.PET	0.065847755	0.392911206	0.077898532	0.482992936
## HGRE_align.H.PET	0.370082358	0.761035703	0.005723978	0.780585202
## LGSRE_align.H.PET	0.065309897	0.393104314	0.076294440	0.483199104
## HGSRE_align.H.PET	0.143656923	0.617981617	0.158238245	0.677977645
## LGHRE_align.H.PET	0.079883070	0.398268750	0.079294150	0.486341189
## HGLRE_align.H.PET	0.869919260	0.782361690	-0.333018372	0.690669691
## GLNU_norm_align.H.PET	0.622929216	0.960494552	-0.462186180	0.909802529
## RLNU_norm_align.H.PET	-0.181821851	0.207084676	0.504233300	0.328448469
## GLVAR_align.H.PET	-0.179998278	-0.019246259	0.584368854	0.090439315
## RLVAR_align.H.PET	0.863379996	0.704204046	-0.411960163	0.602532868
## Entropy_align.H.PET	-0.056224034	0.149093276	0.598327018	0.244436164
## SZSE.H.PET	-0.207922403	0.140338966	0.551162075	0.284920889
## LZSE.H.PET	0.754010918	0.225155049	-0.173621750	0.149316675
## LGLZE.H.PET	0.064208476	0.386808085	0.084426312	0.476989471
## HGLZE.H.PET	0.337438024	0.674106766	0.030097950	0.694572147
## SZLGE.H.PET	0.064563964	0.390863745	0.077202039	0.481136081
## SZHGE.H.PET	-0.047255886	0.356804674	0.317133119	0.461118581
## LZLGE.H.PET	0.793230667	0.301077608	-0.205942323	0.226430218
## LZHGE.H.PET	0.861293278	0.300352610	-0.206139743	0.214061211
## GLNU_area.H.PET	-0.141152970	-0.178803998	0.313670672	-0.147210711
## ZSNU.H.PET	-0.204825777	-0.324080838	0.595963066	-0.286401518
## ZSP.H.PET	-0.413960849	-0.126140334	0.680227469	0.025829502
## GLNU_norm.H.PET	0.621475671	0.945087325	-0.457190427	0.905302090
## ZSNU_norm.H.PET	-0.297131713	-0.048968982	0.661436371	0.095767736
## GLVAR_area.H.PET	-0.207947827	-0.044160093	0.583605145	0.064634404
## ZSVAR.H.PET	0.809707898	0.262666385	-0.196038496	0.185788836
## Entropy_area.H.PET	0.016546459	0.303688631	0.448608363	0.378204458
## Max_cooc.W.PET	0.613007876	0.800098157	-0.331413792	0.762159975
## Average_cooc.W.PET	-0.330325087	-0.339691820	0.931780868	-0.237960453
## Variance_cooc.W.PET	-0.340015793	-0.396304049	0.932112954	-0.316165848
## Entropy_cooc.W.PET	-0.200441435	0.052352235	0.649842647	0.167215663
## DAVE_cooc.W.PET	-0.374143959	-0.262453985	0.834373830	-0.140329506
## DVAR_cooc.W.PET	-0.361734760	-0.395539822	0.916268615	-0.303094436
## DENT_cooc.W.PET	-0.233970879	0.059399469	0.641961490	0.182584460
## SAVE_cooc.W.PET	-0.330589292	-0.340669490	0.931992646	-0.239089373
## SVAR_cooc.W.PET	-0.316026967	-0.381142891	0.913430171	-0.309920270
## SENT_cooc.W.PET	-0.124461593	0.175468293	0.567497137	0.289135679
## ASM_cooc.W.PET	0.506628193	0.717758001	-0.240457851	0.710944134
## Contrast_cooc.W.PET	-0.372577287	-0.401161494	0.897787455	-0.304943107
## Dissimilarity_cooc.W.PET	-0.374143959	-0.262453985	0.834373830	-0.140329506
## Inv_diff_cooc.W.PET	0.550980363	0.873799460	-0.271485880	0.855113645
## Inv_diff_norm_cooc.W.PET	0.144309609	0.516515795	0.278449973	0.588187956
## IDM_cooc.W.PET	0.638267004	0.896889688	-0.381146306	0.852136299
## IDM_norm_cooc.W.PET	0.136290099	0.516620864	0.276185188	0.589835634
## Inv_var_cooc.W.PET	0.540886837	0.871460445	-0.340146300	0.851243778
## Correlation_cooc.W.PET	0.291108272	0.366063831	0.212629478	0.369367776
## Autocorrelation_cooc.W.PET	-0.329729253	-0.468093851	0.997369121	-0.397077383
## Tendency_cooc.W.PET	-0.316026967	-0.381142891	0.913430171	-0.309920270

## Shade_cooc.W.PET	-0.156118220	-0.184271252	0.549542188	-0.154891615
## Prominence_cooc.W.PET	-0.151651420	-0.221803998	0.601849423	-0.198432766
## IC1_d.W.PET	-0.367940612	-0.056540685	-0.065165020	0.033245815
## IC2_d.W.PET	0.162462882	0.360275276	0.384137610	0.412797759
## Coarseness_vdif.W.PET	0.168552336	0.562102034	-0.135615748	0.611710369
## Contrast_vdif.W.PET	-0.320366315	-0.111342257	0.593419348	0.009739858
## Busyness_vdif.W.PET	0.590201014	0.580563842	-0.410675468	0.480159591
## Complexity_vdif.W.PET	-0.263063801	-0.352694926	0.885448223	-0.297407643
## Strength_vdif.W.PET	-0.193098603	0.025995867	0.340680422	0.094641557
## SRE_align.W.PET	0.037410174	0.447275660	0.333656215	0.538238408
## LRE_align.W.PET	0.551569366	0.755169123	-0.037332222	0.748284150
## GLNU_align.W.PET	0.074544524	-0.001344641	0.101485291	-0.013195544
## RLNU_align.W.PET	-0.137875836	-0.252837309	0.458933560	-0.228812473
## RP_align.W.PET	0.010833344	0.424020546	0.352390432	0.518469352
## LGRE_align.W.PET	0.548069531	0.988498600	-0.468097734	0.952479684
## HGRE_align.W.PET	-0.333330851	-0.470863752	0.999110514	-0.398342734
## LGSRE_align.W.PET	0.497622891	0.987534936	-0.453044448	0.964746993
## HGSRE_align.W.PET	-0.336446609	-0.471681519	0.999386827	-0.398750950
## LGHRE_align.W.PET	0.739042355	0.919997558	-0.481428643	0.838637140
## HGLRE_align.W.PET	-0.313882178	-0.465767499	0.994675492	-0.396376982
## GLNU_norm_align.W.PET	0.598278486	0.945251046	-0.425053581	0.906641701
## RLNU_norm_align.W.PET	-0.056823982	0.349238735	0.410236395	0.454141215
## GLVAR_align.W.PET	-0.339773515	-0.418355081	0.961537527	-0.339750463
## RLVAR_align.W.PET	0.861436081	0.766743275	-0.397773770	0.682005284
## Entropy_align.W.PET	-0.088961423	0.141907987	0.598793237	0.242035117
## SZSE.W.PET	-0.101968961	0.326363962	0.433615288	0.452783157
## LZSE.W.PET	1.000000000	0.570137277	-0.336083641	0.448921885
## LGLZE.W.PET	0.570137277	1.000000000	-0.467227540	0.973908949
## HGLZE.W.PET	-0.336083641	-0.467227540	1.000000000	-0.394662992
## SZLGE.W.PET	0.448921885	0.973908949	-0.394662992	1.000000000
## SZHGE.W.PET	-0.347216044	-0.464950474	0.997837025	-0.389483473
## LZLGE.W.PET	0.865286882	0.458623292	-0.273726776	0.353556239
## LZHGE.W.PET	0.048441988	-0.289615180	0.746424302	-0.289314699
## GLNU_area.W.PET	-0.039862823	-0.079468038	0.195393789	-0.065724188
## ZSNU.W.PET	-0.182309041	-0.287928097	0.525981475	-0.253027599
## ZSP.W.PET	-0.260379432	0.147321998	0.541344556	0.287181987
## GLNU_norm.W.PET	0.599192030	0.946613307	-0.425461068	0.917052653
## ZSNU_norm.W.PET	-0.210132468	0.147910795	0.556720064	0.282838346
## GLVAR_area.W.PET	-0.337785150	-0.414451837	0.960018542	-0.335376599
## ZSVAR.W.PET	0.986338861	0.496919727	-0.320951216	0.386185513
## Entropy_area.W.PET	0.004020310	0.256306119	0.505153328	0.338380905
## Min_hist.ADC	0.120029184	0.276019554	0.083167725	0.281750840
## Max_hist.ADC	0.101599458	0.458591454	0.255894470	0.526512942
## Mean_hist.ADC	0.133197997	0.512130661	0.166200450	0.579368204
## Variance_hist.ADC	0.105275241	0.329947661	0.093880950	0.362893319
## Standard_Deviation_hist.ADC	0.107915034	0.433156026	0.179183893	0.486670274
## Skewness_hist.ADC	0.011469854	0.077979640	0.246009831	0.076617365
## Kurtosis_hist.ADC	0.027523102	0.097497280	0.181602789	0.135352464
## Energy_hist.ADC	0.114218220	0.466648593	-0.008999058	0.546618931
## Entropy_hist.ADC	0.086624652	0.432865820	0.308600051	0.510814594
## AUC_hist.ADC	0.101128557	0.478021866	0.303791342	0.554257405
## Volume.ADC	-0.110825654	-0.095827139	0.371387112	-0.077013825
## X3D_surface.ADC	-0.042290712	0.059988852	0.237665897	0.108861915
## ratio_3ds_vol.ADC	0.165670426	0.507509876	0.034904150	0.540280382

## ratio_3ds_vol_norm.ADC	0.065992339	0.446895185	0.256455097	0.526446055
## irregularity.ADC	0.137625549	0.523255476	0.247264724	0.590093511
## Compactness_v1.ADC	0.148402036	0.546317683	0.090255476	0.631015974
##	SZHGE.W.PET	LZLGE.W.PET	LZHGE.W.PET	
## Failure	-0.108313245	0.0338172578	-0.1486578825	
## Entropy_cooc.W.ADC	0.053716471	0.0146321815	0.1433959024	
## GLNU_align.H.PET	-0.012856273	0.0269718153	0.1690093957	
## Min_hist.PET	0.799781187	-0.2967978470	0.5464619366	
## Max_hist.PET	0.884925243	-0.3031990975	0.6588575089	
## Mean_hist.PET	0.874492455	-0.3124193910	0.6412406212	
## Variance_hist.PET	0.967748229	-0.2690592069	0.6693269680	
## Standard_Deviation_hist.PET	0.909453502	-0.3105933258	0.6632609322	
## Skewness_hist.PET	-0.056339300	0.1446513206	-0.1808202632	
## Kurtosis_hist.PET	-0.095581513	0.0783701505	-0.1520348563	
## Energy_hist.PET	-0.044804619	0.0330429934	-0.0196050071	
## Entropy_hist.PET	0.368476825	-0.0524107754	0.4270208925	
## AUC_hist.PET	0.236140525	0.0076637503	0.2816632435	
## H_suv.PET	0.803491349	-0.3113595839	0.5619629916	
## Volume.PET	0.381590834	-0.1190622154	0.3204334671	
## X3D_surface.PET	0.264244613	-0.0752378937	0.2907407487	
## ratio_3ds_vol.PET	-0.087304364	0.1306664558	-0.1057413829	
## ratio_3ds_vol_norm.PET	0.117110550	0.0714222324	0.2106129150	
## irregularity.PET	0.172708600	0.0423890033	0.1819029999	
## tumor_length.PET	0.359942804	-0.0225411549	0.4641834322	
## Compactness_v1.PET	0.123308726	-0.0370068676	0.1187894591	
## Compactness_v2.PET	0.311380648	-0.1228066291	0.1863564924	
## Spherical_disproportion.PET	0.117110550	0.0714222324	0.2106129150	
## Sphericity.PET	0.288301766	-0.1197349639	0.1680655876	
## Asphericity.PET	0.110713422	0.0727804909	0.2044046008	
## Center_of_mass.PET	0.387565313	0.0182595928	0.3672164224	
## Max_3D_diam.PET	0.505496164	-0.1047181772	0.4691873777	
## Major_axis_length.PET	0.567814054	-0.0991151661	0.5351562551	
## Minor_axis_length.PET	0.389025729	-0.0771443939	0.4747864400	
## Least_axis_length.PET	0.432360526	-0.1164644559	0.5136375393	
## Elongation.PET	0.019167760	0.0026262509	0.1543131408	
## Flatness.PET	0.082415870	-0.0398485865	0.2520990106	
## Max_cooc.L.PET	-0.010777318	0.0517655653	0.0305873326	
## Average_cooc.L.PET	0.214910897	-0.0282857701	0.2959842754	
## Variance_cooc.L.PET	0.002060541	0.0691398382	-0.0376049186	
## Entropy_cooc.L.PET	0.291697339	-0.0232781380	0.3516285122	
## DAVE_cooc.L.PET	0.088690746	-0.0278141574	0.0199835660	
## DVAR_cooc.L.PET	0.096906441	-0.0506241163	-0.0559651246	
## DENT_cooc.L.PET	0.225553006	-0.0109482362	0.2339525204	
## SAVE_cooc.L.PET	0.215008000	-0.0283173055	0.2960558632	
## SVAR_cooc.L.PET	-0.001948742	0.1329533666	0.0146053541	
## SENT_cooc.L.PET	0.210262259	0.0223222464	0.2817535298	
## ASM_cooc.L.PET	-0.006695343	0.0201511968	0.0389051843	
## Contrast_cooc.L.PET	0.008152846	-0.0415128324	-0.1154778840	
## Dissimilarity_cooc.L.PET	0.088690746	-0.0278141574	0.0199835660	
## Inv_diff_cooc.L.PET	0.268085244	0.0151148238	0.3819789247	
## Inv_diff_norm_cooc.L.PET	0.270762442	0.0025242602	0.3342359247	
## IDM_cooc.L.PET	0.238586107	0.0197048676	0.3625405276	
## IDM_norm_cooc.L.PET	0.264727366	0.0013909993	0.3229521736	
## Inv_var_cooc.L.PET	0.248857120	0.0258406849	0.3386845318	

## Correlation_cooc.L.PET	0.178452459	0.1406457573	0.3929937463
## Autocorrelation_cooc.L.PET	0.115533573	0.0019708431	0.2224486583
## Tendency_cooc.L.PET	-0.001948742	0.1329533666	0.0146053541
## Shade_cooc.L.PET	-0.045596149	0.2788215760	-0.1972849004
## Prominence_cooc.L.PET	-0.117041460	0.2201280582	-0.1513803608
## IC1_.L.PET	0.105607178	-0.1601971759	0.1407319473
## IC2_.L.PET	0.113117710	0.0820247018	0.1540684587
## Coarseness_vdif_.L.PET	-0.094266970	0.0745239150	-0.0742260836
## Contrast_vdif_.L.PET	-0.111769674	-0.0122556015	-0.2018281461
## Busyness_vdif_.L.PET	0.312642834	-0.1252371737	0.2936554614
## Complexity_vdif_.L.PET	0.070061223	-0.0435104369	-0.0286610824
## Strength_vdif_.L.PET	-0.214301918	0.1925297877	-0.3263249688
## SRE_align.L.PET	0.251120842	-0.0009645221	0.2879912495
## LRE_align.L.PET	0.269360643	-0.0037144977	0.3632534416
## GLNU_align.L.PET	0.338616727	-0.1192996676	0.3594040858
## RLNU_align.L.PET	0.389754987	-0.1355658608	0.4267607003
## RP_align.L.PET	0.248578223	-0.0006623686	0.2873033261
## LGRE_align.L.PET	-0.007050616	0.0698701060	-0.0596782430
## HGRE_align.L.PET	0.130830837	-0.0110106960	0.2144196471
## LGSRE_align.L.PET	-0.006426222	0.0660277109	-0.0604360621
## HGSRE_align.L.PET	0.127082408	-0.0104026570	0.2012608651
## LGHRE_align.L.PET	-0.008997922	0.0838612732	-0.0551603403
## HGLRE_align.L.PET	0.145790142	-0.0138841401	0.2701473861
## GLNU_norm_align.L.PET	0.037035547	0.0504821838	0.0509529066
## RLNU_norm_align.L.PET	0.240898602	0.0002247099	0.2819265206
## GLVAR_align.L.PET	0.041676322	0.0479357551	0.0410173962
## RLVAR_align.L.PET	0.179601240	-0.0018534173	0.3058681786
## Entropy_align.L.PET	0.295008772	-0.0192026743	0.3634543438
## SZSE.L.PET	0.255781486	-0.0012842808	0.1877642007
## LZSE.L.PET	0.175291245	-0.0111233992	0.5918554757
## LGLZE.L.PET	-0.008203055	0.0525658841	-0.0500208130
## HGLZE.L.PET	0.135128706	-0.0121837251	0.2102904932
## SZLGE.L.PET	-0.003669999	0.0376730735	-0.0795351454
## SZHGE.L.PET	0.137423343	-0.0121483293	0.1264422888
## LZLGE.L.PET	-0.007891981	0.1126776736	0.0571049186
## LZHGE.L.PET	0.106945858	-0.0160006599	0.5178908005
## GLNU_area.L.PET	0.346255113	-0.1212669847	0.3404843579
## ZSNU.L.PET	0.395242371	-0.1366368894	0.3963707808
## ZSP.L.PET	0.243096472	0.0019241191	0.2021520751
## GLNU_norm.L.PET	0.037225396	0.0459426850	0.0539669371
## ZSNU_norm.L.PET	0.224981765	0.0019674074	0.2437245757
## GLVAR_area.L.PET	0.052456510	0.0456375053	0.0480728608
## ZSVAR.L.PET	0.200501990	-0.0373184178	0.5455040820
## Entropy_area.L.PET	0.305172279	-0.0221039125	0.3807325192
## Max_cooc.H.PET	-0.441790615	0.6716593633	-0.2728626407
## Average_cooc.H.PET	0.097089325	0.1268681991	0.1809940446
## Variance_cooc.H.PET	0.536187114	-0.2948841812	0.5380090901
## Entropy_cooc.H.PET	0.495241702	-0.1481436247	0.4180928345
## DAVE_cooc.H.PET	0.400730212	-0.2667548314	0.3285076606
## DVAR_cooc.H.PET	0.373921826	-0.2253086063	0.3462430051
## DENT_cooc.H.PET	0.358188362	-0.1196676631	0.3204362344
## SAVE_cooc.H.PET	0.164598399	0.0522836315	0.2291384685
## SVAR_cooc.H.PET	0.456129248	-0.1553203862	0.5202507603
## SENT_cooc.H.PET	0.435806048	-0.1943097074	0.4180802071

## ASM_cooc.H.PET	-0.391844550	0.6808403802	-0.2247032671
## Contrast_cooc.H.PET	0.415801419	-0.2814733937	0.3187435814
## Dissimilarity_cooc.H.PET	0.400730212	-0.2667548314	0.3285076606
## Inv_diff_cooc.H.PET	-0.288103548	0.4715133402	-0.0363832067
## Inv_diff_norm_cooc.H.PET	0.219598376	0.0515627063	0.2890454795
## IDM_cooc.H.PET	-0.384754146	0.5192693806	-0.1102949837
## IDM_norm_cooc.H.PET	0.239465998	0.0217843954	0.2975451718
## Inv_var_cooc_.H.PET	0.340999935	-0.0955914745	0.2775364218
## Correlation_cooc.H.PET	0.253306876	0.0704665717	0.4566869446
## Autocorrelation_cooc.H.PET	-0.024747462	0.2419324874	0.0987108401
## Tendency_cooc.H.PET	0.553306693	-0.2757813400	0.6083713409
## Shade_cooc.H.PET	-0.319743510	0.3343810835	-0.4857635673
## Prominence_cooc.H.PET	0.671732430	-0.3429693756	0.7059337806
## IC1_d.H.PET	0.056717477	-0.3366273831	-0.1826986660
## IC2_d.H.PET	0.328070152	0.0281821082	0.4689925917
## Coarseness_vdif.H.PET	-0.005500801	0.0505366606	0.0246060383
## Contrast_vdif.H.PET	-0.359684122	0.1551861721	-0.1701358087
## Busyness_vdif.H.PET	0.050405497	-0.0850944420	0.0067265728
## Complexity_vdif.H.PET	0.109903598	-0.1180074390	0.1545452923
## Strength_vdif.H.PET	-0.123985353	0.5809239677	-0.1488339758
## SRE_align.H.PET	0.388243613	-0.1464542801	0.3499025731
## LRE_align.H.PET	-0.242725348	0.5986435762	0.0682577743
## RLNU_align.H.PET	0.482132608	-0.1683654952	0.4689940814
## RP_align.H.PET	0.415657664	-0.1661261213	0.3584272644
## LGRE_align.H.PET	0.073640405	-0.0098014645	0.1100773036
## HGRE_align.H.PET	-0.002365362	0.2516963480	0.0935515956
## LGSRE_align.H.PET	0.072179243	-0.0095758566	0.1075211440
## HGSRE_align.H.PET	0.152833319	0.0601551587	0.1443519649
## LGHRE_align.H.PET	0.073981106	-0.0030513808	0.1236388929
## HGLRE_align.H.PET	-0.343324827	0.7205661032	-0.0171575743
## GLNU_norm_align.H.PET	-0.462507626	0.5108446278	-0.2714803442
## RLNU_norm_align.H.PET	0.497130068	-0.2330077371	0.3919085834
## GLVAR_align.H.PET	0.564193755	-0.3069450214	0.5758456840
## RLVAR_align.H.PET	-0.423904243	0.6784481784	-0.0456123776
## Entropy_align.H.PET	0.582794084	-0.1469078242	0.5613772290
## SZSE.H.PET	0.551553762	-0.2017621286	0.3448959525
## LZSE.H.PET	-0.173344122	0.8370047207	-0.0375685591
## LGLZE.H.PET	0.079730592	-0.0118990824	0.1185323634
## HGLZE.H.PET	0.023730334	0.2733372947	0.0871012538
## SZLGE.H.PET	0.073251820	-0.0084883777	0.1059471879
## SZHGE.H.PET	0.329012854	0.0036195634	0.0863144704
## LZLGE.H.PET	-0.210011354	0.7680892748	0.0131996798
## LZHGE.H.PET	-0.205763425	0.9101621380	-0.0221751999
## GLNU_area.H.PET	0.296466152	-0.1589379902	0.2974019428
## ZSNU.H.PET	0.583268193	-0.1770363769	0.4797259769
## ZSP.H.PET	0.685200550	-0.3547592108	0.3820085435
## GLNU_norm.H.PET	-0.460300821	0.4317386824	-0.2156406252
## ZSNU_norm.H.PET	0.662213963	-0.2671493601	0.4399116686
## GLVAR_area.H.PET	0.563401525	-0.3213504247	0.5596804546
## ZSVAR_H.PET	-0.195800441	0.8482468168	-0.0283753196
## Entropy_area.H.PET	0.430102459	-0.1119502582	0.4776817416
## Max_cooc.W.PET	-0.329000684	0.5915563676	-0.1950633280
## Average_cooc.W.PET	0.922673765	-0.3105465928	0.7333814442
## Variance_cooc.W.PET	0.943105335	-0.2654574183	0.6243346429

## Entropy_cooc.W.PET	0.638628801	-0.2516457150	0.5389950894
## DAVE_cooc.W.PET	0.838952614	-0.3217146119	0.5492502591
## DVAR_cooc.W.PET	0.929368684	-0.2777868665	0.5822545845
## DENT_cooc.W.PET	0.636172030	-0.2591300199	0.4863566263
## SAVE_cooc.W.PET	0.922889397	-0.3106476370	0.7334571658
## SVAR_cooc.W.PET	0.923274048	-0.2484647052	0.6274765053
## SENT_cooc.W.PET	0.556327310	-0.1982566884	0.5004231376
## ASM_cooc.W.PET	-0.240455269	0.4730740677	-0.1207805901
## Contrast_cooc.W.PET	0.910808856	-0.2862620702	0.5602960098
## Dissimilarity_cooc.W.PET	0.838952614	-0.3217146119	0.5492502591
## Inv_diff_cooc.W.PET	-0.284751918	0.3562110761	-0.0241927559
## Inv_diff_norm_cooc.W.PET	0.264537216	0.0095717368	0.3301807466
## IDM_cooc.W.PET	-0.392659567	0.4421736401	-0.1021663111
## IDM_norm_cooc.W.PET	0.262890350	0.0025511910	0.3215088536
## Inv_var_cooc.W.PET	-0.352791418	0.3207682529	-0.0780382921
## Correlation_cooc.W.PET	0.191442230	0.1238974875	0.4002215012
## Autocorrelation_cooc.W.PET	0.993292144	-0.2714022138	0.7598627551
## Tendency_cooc.W.PET	0.923274048	-0.2484647052	0.6274765053
## Shade_cooc.W.PET	0.569337793	-0.1098577336	0.3261160764
## Prominence_cooc.W.PET	0.616554382	-0.1075654712	0.3970311539
## IC1_d.W.PET	-0.061228461	-0.2851360915	-0.2069209532
## IC2_d.W.PET	0.372542255	0.0264694030	0.4474249713
## Coarseness_vdif.W.PET	-0.130044247	0.0951143786	-0.1203849186
## Contrast_vdif.W.PET	0.607431506	-0.2615665354	0.3100283938
## Busyness_vdif.W.PET	-0.421696493	0.4655718834	-0.1585103025
## Complexity_vdif.W.PET	0.892512180	-0.2030660108	0.6321937341
## Strength_vdif.W.PET	0.371387990	-0.1296073713	0.0884739206
## SRE_align.W.PET	0.322984965	-0.0720181508	0.3245921401
## LRE_align.W.PET	-0.053679080	0.3595231652	0.1940435416
## GLNU_align.W.PET	0.080266198	-0.0096850914	0.2280440206
## RLNU_align.W.PET	0.439097346	-0.1552272213	0.4475136441
## RP_align.W.PET	0.341941058	-0.0935504072	0.3326663984
## LGRE_align.W.PET	-0.463227325	0.4824364512	-0.3299723039
## HGRE_align.W.PET	0.995265190	-0.2731496099	0.7560544924
## LGSRE_align.W.PET	-0.448040936	0.4219279487	-0.3244358964
## HGSRE_align.W.PET	0.996479375	-0.2732687727	0.7488309026
## LGHRE_align.W.PET	-0.477468702	0.7281880022	-0.3128781519
## HGLRE_align.W.PET	0.986577907	-0.2699285247	0.7900207882
## GLNU_norm_align.W.PET	-0.424446896	0.5093387717	-0.2570126554
## RLNU_norm_align.W.PET	0.400583074	-0.1450003849	0.3613390929
## GLVAR_align.W.PET	0.968324466	-0.2689716818	0.6705139023
## RLVAR_align.W.PET	-0.409652222	0.6847237528	-0.0438919479
## Entropy_align.W.PET	0.583967957	-0.1743894511	0.5489328598
## SZSE.W.PET	0.432187754	-0.1410977089	0.2816881795
## LZSE.W.PET	-0.347216044	0.8652868824	0.0484419877
## LGLZE.W.PET	-0.464950474	0.4586232925	-0.2896151804
## HGLZE.W.PET	0.997837025	-0.2737267759	0.7464243017
## SZLGE.W.PET	-0.389483473	0.3535562391	-0.2893146989
## SZHGE.W.PET	1.000000000	-0.2719281065	0.7090233626
## LZLGE.W.PET	-0.271928106	1.0000000000	-0.1344055540
## LZHGE.W.PET	0.709023363	-0.1344055540	1.0000000000
## GLNU_area.W.PET	0.177303350	-0.0892405666	0.2384636842
## ZSNU.W.PET	0.510661703	-0.1700535947	0.4476877884
## ZSP.W.PET	0.540139372	-0.2679621866	0.3412905224

## GLNU_norm.W.PET	-0.426200516	0.4545068521	-0.2324990163
## ZSNU_norm.W.PET	0.553320519	-0.2355621848	0.4006735130
## GLVAR_area.W.PET	0.966959009	-0.2680551498	0.6699539535
## ZSVAR.W.PET	-0.327100007	0.8857109859	0.0124788058
## Entropy_area.W.PET	0.487892033	-0.1076814189	0.5111012490
## Min_hist.ADC	0.089308282	0.0648590173	0.0568462680
## Max_hist.ADC	0.243258775	-0.0039516611	0.2797497149
## Mean_hist.ADC	0.160981007	0.0176787602	0.1902653394
## Variance_hist.ADC	0.088174461	0.0745826695	0.0788849301
## Standard_Deviation_hist.ADC	0.170410212	0.0432682057	0.1730711336
## Skewness_hist.ADC	0.236194607	-0.0566653271	0.2641135514
## Kurtosis_hist.ADC	0.168930527	-0.0465784904	0.2659744550
## Energy_hist.ADC	-0.011792236	0.0318091772	0.0408444747
## Entropy_hist.ADC	0.294247150	-0.0288170711	0.3360551809
## AUC_hist.ADC	0.289964471	-0.0299028505	0.3380732659
## Volume.ADC	0.360759698	-0.1220485938	0.2934614831
## X3D_surface.ADC	0.221602675	-0.0788574368	0.2509383046
## ratio_3ds_vol.ADC	0.035471802	0.0744057767	0.0498459201
## ratio_3ds_vol_norm.ADC	0.245336922	-0.0441008290	0.2591319856
## irregularity.ADC	0.238095042	0.0136608673	0.2722085268
## Compactness_v1.ADC	0.083231374	0.0363732990	0.1549640156
##	GLNU_area.W.PET	ZSNU.W.PET	ZSP.W.PET
## Failure	-1.749538e-01	-0.1812775712	-0.0335175730
## Entropy_cooc.W.ADC	1.369745e-01	0.1354123209	0.0002846824
## GLNU_align.H.PET	2.709317e-01	0.2584727733	-0.0903678465
## Min_hist.PET	1.917239e-01	0.4360595964	0.7830708934
## Max_hist.PET	3.664403e-01	0.5830523431	0.7814656259
## Mean_hist.PET	2.325512e-01	0.4932738926	0.7891815534
## Variance_hist.PET	1.615837e-01	0.4764930074	0.5440144066
## Standard_Deviation_hist.PET	2.601094e-01	0.5071380094	0.7942704176
## Skewness_hist.PET	1.579745e-01	-0.0003052533	0.4331848310
## Kurtosis_hist.PET	1.897667e-01	0.0128437563	0.0976569277
## Energy_hist.PET	-1.590546e-01	-0.1434483706	0.3658593298
## Entropy_hist.PET	5.214053e-01	0.4604615975	0.7867242797
## AUC_hist.PET	2.928307e-01	0.2289595402	0.8640500012
## H_suv.PET	1.094234e-01	0.3412158978	0.8240810963
## Volume.PET	6.904569e-01	0.6816179609	0.3542648702
## X3D_surface.PET	8.335413e-01	0.8504659464	0.2460688356
## ratio_3ds_vol.PET	-2.701935e-01	-0.2827381212	0.4490869591
## ratio_3ds_vol_norm.PET	1.551020e-01	0.1324449605	0.4641260070
## irregularity.PET	1.384500e-01	0.0854569046	0.8297209029
## tumor_length.PET	6.892196e-01	0.6842259195	0.5519527031
## Compactness_v1.PET	4.546876e-02	0.0678601259	0.5044105450
## Compactness_v2.PET	2.988901e-01	0.3483723942	0.3047191411
## Spherical_disproportion.PET	1.551020e-01	0.1324449605	0.4641260070
## Sphericity.PET	3.492167e-01	0.3583807909	0.2972757624
## Asphericity.PET	1.485706e-01	0.1272875471	0.4441025845
## Center_of_mass.PET	5.764673e-01	0.6397347246	0.3642799997
## Max_3D_diam.PET	8.028917e-01	0.8152181461	0.4918177308
## Major_axis_length.PET	7.806014e-01	0.8491803552	0.5367562876
## Minor_axis_length.PET	7.881376e-01	0.7232402098	0.6179582505
## Least_axis_length.PET	8.408856e-01	0.8015412862	0.5412167773
## Elongation.PET	1.216361e-01	-0.0016059308	0.7097927505
## Flatness.PET	2.232592e-01	0.1108435941	0.6594703312

## Max_cooc.L.PET	-9.093036e-02	-0.0927805042	0.3798986303
## Average_cooc.L.PET	-3.778099e-03	0.0391322961	0.7109570196
## Variance_cooc.L.PET	-2.563948e-01	-0.2190264194	0.5562088347
## Entropy_cooc.L.PET	2.791236e-01	0.2454665743	0.8691443643
## DAVE_cooc.L.PET	-1.668052e-01	-0.1300608866	0.7127784623
## DVAR_cooc.L.PET	-1.509888e-01	-0.1195426570	0.6823389500
## DENT_cooc.L.PET	1.353642e-01	0.1169129567	0.8687815771
## SAVE_cooc.L.PET	-3.660016e-03	0.0392538354	0.7108180321
## SVAR_cooc.L.PET	-1.959408e-01	-0.1783749675	0.5090906059
## SENT_cooc.L.PET	1.862829e-01	0.1439414163	0.8336159462
## ASM_cooc.L.PET	-8.776796e-02	-0.0821247741	0.3637328630
## Contrast_cooc.L.PET	-3.178850e-01	-0.2540971646	0.5561082890
## Dissimilarity_cooc.L.PET	-1.668052e-01	-0.1300608866	0.7127784623
## Inv_diff_cooc.L.PET	4.691636e-01	0.3654015671	0.7137030366
## Inv_diff_norm_cooc.L.PET	3.336823e-01	0.2684210357	0.8614031933
## IDM_cooc.L.PET	4.603986e-01	0.3515078809	0.6285005304
## IDM_norm_cooc.L.PET	3.093581e-01	0.2495036161	0.8666849120
## Inv_var_cooc.L.PET	4.673324e-01	0.3599969566	0.6404015599
## Correlation_cooc.L.PET	4.866669e-01	0.3750501054	0.4288056204
## Autocorrelation_cooc.L.PET	-1.443376e-01	-0.0848502579	0.4953221834
## Tendency_cooc.L.PET	-1.959408e-01	-0.1783749675	0.5090906059
## Shade_cooc.L.PET	-1.278280e-01	-0.1536760950	0.2318548622
## Prominence_cooc.L.PET	-3.212584e-01	-0.3092094642	0.3148398564
## IC1_.L.PET	2.333889e-01	0.2416165264	-0.2209343250
## IC2_.L.PET	1.608328e-02	-0.0142051141	0.7364386927
## Coarseness_vdif_.L.PET	-2.539629e-01	-0.2376118566	0.3628075330
## Contrast_vdif_.L.PET	-2.633944e-01	-0.2205805085	0.2495546253
## Busyness_vdif_.L.PET	9.239949e-01	0.8930293433	0.3513195202
## Complexity_vdif_.L.PET	-1.905151e-01	-0.1473066350	0.7035129733
## Strength_vdif_.L.PET	-3.774615e-01	-0.3747592323	0.2075628478
## SRE_align.L.PET	2.582983e-01	0.2087264747	0.8761619365
## LRE_align.L.PET	3.366926e-01	0.2705041642	0.8547178905
## GLNU_align.L.PET	9.417697e-01	0.9221964206	0.2898519988
## RLNU_align.L.PET	9.393323e-01	0.9726880517	0.2848932109
## RP_align.L.PET	2.525659e-01	0.2039475407	0.8755304524
## LGRE_align.L.PET	9.920133e-02	-0.0106626427	0.5421441345
## HGRE_align.L.PET	-1.373690e-01	-0.0720428688	0.5353050028
## LGSRE_align.L.PET	9.193824e-02	-0.0148256187	0.5479639725
## HGSRE_align.L.PET	-1.444516e-01	-0.0789389529	0.5359621531
## LGHRE_align.L.PET	1.281517e-01	0.0065062110	0.5159926664
## HGLRE_align.L.PET	-1.076990e-01	-0.0433965674	0.5307190516
## GLNU_norm_align.L.PET	6.483539e-02	0.0035067183	0.5671574872
## RLNU_norm_align.L.PET	2.326699e-01	0.1874714886	0.8739577020
## GLVAR_align.L.PET	-2.160239e-01	-0.1744576095	0.5792888010
## RLVAR_align.L.PET	3.166423e-01	0.2494470788	0.5271282653
## Entropy_align.L.PET	2.854661e-01	0.2525514764	0.8669133044
## SZSE.L.PET	2.338777e-01	0.1941299788	0.8851507714
## LZSE.L.PET	3.232972e-01	0.2426218785	0.5063285620
## LGLZE.L.PET	9.996912e-02	-0.0107169856	0.5522640935
## HGLZE.L.PET	-1.377416e-01	-0.0732561327	0.5482130650
## SZLGE.L.PET	7.667932e-02	-0.0222817157	0.5739673524
## SZHGE.L.PET	-1.480744e-01	-0.0826892863	0.5676325300
## LZLGE.L.PET	1.857828e-01	0.0438047989	0.3903176906
## LZHGE.L.PET	-6.002706e-02	-0.0098839660	0.3584033208

## GLNU_area.L.PET	9.497240e-01	0.9360659784	0.3000686273
## ZSNU.L.PET	9.372223e-01	0.9743737825	0.2976604480
## ZSP.L.PET	2.152121e-01	0.1780016299	0.8844165383
## GLNU_norm.L.PET	6.632965e-02	0.0058144619	0.5677360080
## ZSNU_norm.L.PET	1.828175e-01	0.1506382744	0.8764143646
## GLVAR_area.L.PET	-2.147495e-01	-0.1733127752	0.5932074470
## ZSVAR.L.PET	3.941038e-01	0.2978142740	0.3078641684
## Entropy_area.L.PET	3.138042e-01	0.2742770811	0.8645976404
## Max_cooc.H.PET	-1.383054e-01	-0.2908468203	-0.0728153909
## Average_cooc.H.PET	2.074929e-01	0.1087857797	0.7674039383
## Variance_cooc.H.PET	3.549743e-01	0.4098315760	0.9169221869
## Entropy_cooc.H.PET	2.367188e-01	0.2868014339	0.8794996515
## DAVE_cooc.H.PET	1.797106e-01	0.2168218570	0.9410737274
## DVAR_cooc.H.PET	1.625985e-01	0.1975045115	0.8767432467
## DENT_cooc.H.PET	3.635336e-01	0.3825472559	0.7898577887
## SAVE_cooc.H.PET	2.454146e-01	0.1570652565	0.8150931797
## SVAR_cooc.H.PET	4.238510e-01	0.4288590105	0.8230681445
## SENT_cooc.H.PET	7.569100e-02	0.1687550619	0.7648843397
## ASM_cooc.H.PET	-1.312253e-01	-0.2571628643	-0.0621845655
## Contrast_cooc.H.PET	1.116840e-01	0.1788585914	0.8883002237
## Dissimilarity_cooc.H.PET	1.797106e-01	0.2168218570	0.9410737274
## Inv_diff_cooc.H.PET	1.337869e-01	-0.0716754155	0.2692837782
## Inv_diff_norm_cooc.H.PET	2.823891e-01	0.2140165947	0.8368886732
## IDM_cooc.H.PET	8.841591e-02	-0.1357867694	0.1407194307
## IDM_norm_cooc.H.PET	2.827319e-01	0.2217456054	0.8568771455
## Inv_var_cooc.H.PET	7.491113e-02	0.1579291899	0.6201362618
## Correlation_cooc.H.PET	4.961443e-01	0.4162978889	0.4768406373
## Autocorrelation_cooc.H.PET	1.609738e-01	0.0328057979	0.6448254407
## Tendency_cooc.H.PET	4.546907e-01	0.4979907832	0.8503971675
## Shade_cooc.H.PET	-2.121259e-01	-0.2299533035	-0.4730336065
## Prominence_cooc.H.PET	4.714053e-01	0.5870459885	0.7325411967
## IC1_d.H.PET	-3.699426e-01	-0.2004894572	0.1328490674
## IC2_d.H.PET	4.600670e-01	0.3993539491	0.6296102012
## Coarseness_vdif.H.PET	-1.308511e-01	-0.1124154271	0.3634018285
## Contrast_vdif.H.PET	-1.298976e-01	-0.2235694931	-0.0048208360
## Busyness_vdif.H.PET	5.820773e-01	0.4163331050	0.1404622840
## Complexity_vdif.H.PET	-1.381159e-01	-0.1184762646	0.6351561486
## Strength_vdif.H.PET	-1.476548e-01	-0.1372797875	-0.0727661814
## SRE_align.H.PET	2.584706e-01	0.2676418741	0.9544026489
## LRE_align.H.PET	1.801295e-01	-0.0239014998	0.2343046335
## RLNU_align.H.PET	8.793699e-01	0.9961614699	0.3263154716
## RP_align.H.PET	2.431025e-01	0.2702081158	0.9645723142
## LGRE_align.H.PET	-7.449538e-02	-0.0404470149	0.4049226819
## HGRE_align.H.PET	1.818214e-01	0.0606288004	0.6623221707
## LGSRE_align.H.PET	-7.726073e-02	-0.0428854600	0.4029871583
## HGSRE_align.H.PET	1.885233e-01	0.1250018584	0.8222950610
## LGHRE_align.H.PET	-5.787201e-02	-0.0296432901	0.4096372654
## HGLRE_align.H.PET	9.551302e-02	-0.1178830132	0.0129102196
## GLNU_norm_align.H.PET	-7.356402e-02	-0.2712952313	0.1146959797
## RLNU_norm_align.H.PET	2.185783e-01	0.2883716384	0.9829313917
## GLVAR_align.H.PET	3.720553e-01	0.4331784553	0.8958367068
## RLVAR_align.H.PET	1.225029e-01	-0.1361681383	-0.1481284979
## Entropy_align.H.PET	4.038584e-01	0.4520963853	0.9237816458
## SZSE.H.PET	2.618551e-01	0.3374030594	0.9873139280

## LZSE.H.PET	-2.144334e-02	-0.1041964147	-0.2377630725
## LGLZE.H.PET	-7.457698e-02	-0.0391382070	0.4067464700
## HGLZE.H.PET	2.428048e-01	0.1260103816	0.6517845549
## SZLGE.H.PET	-8.038360e-02	-0.0459013465	0.4010673436
## SZHGE.H.PET	1.964426e-01	0.1872588474	0.8844593704
## LZLGE.H.PET	-1.071280e-02	-0.1202294364	-0.2283539491
## LZHGE.H.PET	-4.162842e-02	-0.1241448867	-0.2689000550
## GLNU_area.H.PET	9.760722e-01	0.9312749529	0.3206768304
## ZSNU.H.PET	7.715641e-01	0.9880959558	0.3471597362
## ZSP.H.PET	1.829212e-01	0.3543079161	0.9391666717
## GLNU_norm.H.PET	-6.974658e-02	-0.2634112895	0.1162156181
## ZSNU_norm.H.PET	1.960568e-01	0.3470639890	0.9443196317
## GLVAR_area.H.PET	3.658237e-01	0.4223553980	0.8828593404
## ZSVAR.H.PET	-2.928171e-02	-0.1164702046	-0.2591546280
## Entropy_area.H.PET	4.198499e-01	0.3924710809	0.8807240282
## Max_cooc.W.PET	-1.616345e-01	-0.2537281480	0.0421541598
## Average_cooc.W.PET	2.631378e-01	0.5244495183	0.7706228189
## Variance_cooc.W.PET	1.360957e-01	0.4404896838	0.5455171611
## Entropy_cooc.W.PET	3.436475e-01	0.4383925301	0.9604461326
## DAVE_cooc.W.PET	1.355777e-01	0.3754326764	0.8327922415
## DVAR_cooc.W.PET	5.664591e-02	0.3570981013	0.6037635219
## DENT_cooc.W.PET	2.648308e-01	0.3747428869	0.9745526724
## SAVE_cooc.W.PET	2.633949e-01	0.5247399864	0.7700692992
## SVAR_cooc.W.PET	1.702785e-01	0.4661301183	0.4973795096
## SENT_cooc.W.PET	3.077468e-01	0.3680735075	0.9477788607
## ASM_cooc.W.PET	-1.405898e-01	-0.2037476631	0.1284935564
## Contrast_cooc.W.PET	3.456135e-02	0.3341215769	0.6223934273
## Dissimilarity_cooc.W.PET	1.355777e-01	0.3754326764	0.8327922415
## Inv_diff_cooc.W.PET	1.611150e-01	-0.0554112114	0.3676397199
## Inv_diff_norm_cooc.W.PET	3.305116e-01	0.2638719502	0.8580747151
## IDM_cooc.W.PET	1.069199e-01	-0.1287325635	0.1946963657
## IDM_norm_cooc.W.PET	3.081511e-01	0.2480244024	0.8662987160
## Inv_var_cooc.W.PET	1.487706e-01	-0.0887499386	0.2896061714
## Correlation_cooc.W.PET	4.906934e-01	0.3820765456	0.4372040256
## Autocorrelation_cooc.W.PET	1.895434e-01	0.5237127599	0.5300365469
## Tendency_cooc.W.PET	1.702785e-01	0.4661301183	0.4973795096
## Shade_cooc.W.PET	7.160979e-02	0.2381463846	0.1801069326
## Prominence_cooc.W.PET	4.932004e-02	0.2425932968	0.1469740772
## IC1_d.W.PET	-2.791051e-01	-0.1541856758	0.0405819055
## IC2_d.W.PET	3.458074e-01	0.3095679071	0.7324621039
## Coarseness_vdif.W.PET	-2.743009e-01	-0.2543765270	0.3263926220
## Contrast_vdif.W.PET	-1.691295e-01	0.0401400313	0.7419907105
## Busyness_vdif.W.PET	3.876099e-01	0.1047638435	-0.1324710270
## Complexity_vdif.W.PET	2.010115e-01	0.4838769528	0.3932786191
## Strength_vdif.W.PET	-1.768496e-01	-0.1127824628	0.4144734403
## SRE_align.W.PET	2.699956e-01	0.2469063809	0.9200017677
## LRE_align.W.PET	2.492657e-01	0.0802481298	0.5386707749
## GLNU_align.W.PET	9.829114e-01	0.7743816025	0.1806782337
## RLNU_align.W.PET	9.114404e-01	0.9887105236	0.3079132960
## RP_align.W.PET	2.649094e-01	0.2522922251	0.9306470211
## LGRE_align.W.PET	-9.229804e-02	-0.2920564133	0.1366182251
## HGRE_align.W.PET	1.957576e-01	0.5292849547	0.5359822795
## LGSRE_align.W.PET	-8.973642e-02	-0.2873281815	0.1879681279
## HGSRE_align.W.PET	1.884387e-01	0.5237292112	0.5348647582

## LGHRE_align.W.PET	-9.463044e-02	-0.2878284810	-0.0562112580
## HGLRE_align.W.PET	2.269042e-01	0.5507793145	0.5365633696
## GLNU_norm_align.W.PET	-1.000455e-01	-0.2711797107	0.1426671727
## RLNU_norm_align.W.PET	2.555592e-01	0.2706938733	0.9571619180
## GLVAR_align.W.PET	1.638003e-01	0.4778117907	0.5432857249
## RLVAR_align.W.PET	8.951300e-02	-0.1485962530	-0.0736508097
## Entropy_align.W.PET	3.897440e-01	0.4449161301	0.9387590935
## SZSE.W.PET	2.661226e-01	0.2923130575	0.9738084608
## LZSE.W.PET	-3.986282e-02	-0.1823090412	-0.2603794322
## LGLZE.W.PET	-7.946804e-02	-0.2879280970	0.1473219982
## HGLZE.W.PET	1.953938e-01	0.5259814751	0.5413445563
## SZLGE.W.PET	-6.572419e-02	-0.2530275989	0.2871819867
## SZHGE.W.PET	1.773033e-01	0.5106617029	0.5401393716
## LZLGE.W.PET	-8.924057e-02	-0.1700535947	-0.2679621866
## LZHGE.W.PET	2.384637e-01	0.4476877884	0.3412905224
## GLNU_area.W.PET	1.000000e+00	0.8547470423	0.2566706466
## ZSNU.W.PET	8.547470e-01	1.0000000000	0.3361447701
## ZSP.W.PET	2.566706e-01	0.3361447701	1.0000000000
## GLNU_norm.W.PET	-9.553022e-02	-0.2688214986	0.1533641396
## ZSNU_norm.W.PET	2.355575e-01	0.3307118312	0.9895552882
## GLVAR_area.W.PET	1.638534e-01	0.4722548115	0.5452597612
## ZSVAR.W.PET	-6.091745e-02	-0.1839162138	-0.3046002205
## Entropy_area.W.PET	4.031483e-01	0.4076284572	0.9037225681
## Min_hist.ADC	-1.566063e-01	-0.0686788796	0.2491267971
## Max_hist.ADC	3.545785e-01	0.2746713845	0.7735757612
## Mean_hist.ADC	1.976371e-01	0.1408105105	0.7473420123
## Variance_hist.ADC	3.048645e-01	0.2426817227	0.3739419894
## Standard_Deviation_hist.ADC	3.362820e-01	0.2603678131	0.6265506948
## Skewness_hist.ADC	1.485142e-01	0.1658808339	0.1862189915
## Kurtosis_hist.ADC	1.094825e-01	0.1220569993	0.2445829378
## Energy_hist.ADC	-1.084415e-01	-0.0972941488	0.3659348047
## Entropy_hist.ADC	3.538579e-01	0.2952632167	0.8546454009
## AUC_hist.ADC	3.170980e-01	0.2628792221	0.8645794950
## Volume.ADC	6.722830e-01	0.6649682066	0.3448178448
## X3D_surface.ADC	5.175056e-01	0.4526370862	0.4256629205
## ratio_3ds_vol.ADC	-4.244604e-02	-0.0707665340	0.5141385076
## ratio_3ds_vol_norm.ADC	4.207189e-01	0.3194655307	0.8414464093
## irregularity.ADC	1.924017e-01	0.1537044487	0.8316898838
## Compactness_v1.ADC	-4.220201e-02	-0.0312596162	0.5763266149
##	GLNU_norm.W.PET	ZSNU_norm.W.PET	GLVAR_area.W.PET
## Failure	0.119495855	-0.053969740	-0.1152007879
## Entropy_cooc.W.ADC	-0.031365186	0.002849008	0.0565164468
## GLNU_align.H.PET	-0.053675990	-0.070875221	0.0035357895
## Min_hist.PET	-0.240830702	0.793258444	0.7778023272
## Max_hist.PET	-0.268202494	0.791140000	0.8814483720
## Mean_hist.PET	-0.283416797	0.799595281	0.8411919603
## Variance_hist.PET	-0.401928094	0.560767774	0.9993957292
## Standard_Deviation_hist.PET	-0.285315295	0.806682715	0.9239326281
## Skewness_hist.PET	0.464821730	0.436725505	0.0453764911
## Kurtosis_hist.PET	0.214632292	0.096710684	-0.0538392774
## Energy_hist.PET	0.611672299	0.372984563	-0.0009637731
## Entropy_hist.PET	0.306537395	0.782094482	0.3590133226
## AUC_hist.PET	0.557436924	0.859116589	0.2531680363
## H_suv.PET	-0.202150332	0.837805667	0.8073168501

## Volume.PET	-0.131220010	0.335684605	0.3237226221
## X3D_surface.PET	-0.077735751	0.235545419	0.2702734999
## ratio_3ds_vol.PET	0.670251697	0.463350396	-0.0109868838
## ratio_3ds_vol_norm.PET	0.465533660	0.468038358	0.1964604574
## irregularity.PET	0.624896895	0.828205803	0.1928068767
## tumor_length.PET	0.151759659	0.547346760	0.3762973209
## Compactness_v1.PET	0.518204444	0.504153837	0.1325420570
## Compactness_v2.PET	-0.146861550	0.292769018	0.2271056370
## Spherical_disproportion.PET	0.465533660	0.468038358	0.1964604574
## Sphericity.PET	-0.185493985	0.284129544	0.2057108261
## Asphericity.PET	0.457131455	0.448233527	0.1911514428
## Center_of_mass.PET	0.034297155	0.368130368	0.4873347697
## Max_3D_diam.PET	-0.130530434	0.479056444	0.4384072132
## Major_axis_length.PET	-0.076197561	0.529107174	0.5006073284
## Minor_axis_length.PET	0.072464293	0.605563734	0.3788031568
## Least_axis_length.PET	-0.047725641	0.528014057	0.4134326949
## Elongation.PET	0.532857772	0.702524425	0.0670616130
## Flatness.PET	0.403756151	0.651552781	0.1244651929
## Max_cooc.L.PET	0.605008602	0.387631565	0.0353554543
## Average_cooc.L.PET	0.452687645	0.701846720	0.1806759043
## Variance_cooc.L.PET	0.514611530	0.551841969	0.0344753077
## Entropy_cooc.L.PET	0.455221900	0.862174613	0.2928388776
## DAVE_cooc.L.PET	0.484442859	0.709351074	0.0984367266
## DVAR_cooc.L.PET	0.428570243	0.680520350	0.1373433617
## DENT_cooc.L.PET	0.527742565	0.865482950	0.2354003881
## SAVE_cooc.L.PET	0.452189806	0.701697686	0.1807062129
## SVAR_cooc.L.PET	0.545441174	0.502261636	0.0394695806
## SENT_cooc.L.PET	0.571480353	0.830393470	0.2333827519
## ASM_cooc.L.PET	0.567973545	0.369048237	0.0372930184
## Contrast_cooc.L.PET	0.396248526	0.556237520	0.0218945938
## Dissimilarity_cooc.L.PET	0.484442859	0.709351074	0.0984367266
## Inv_diff_cooc.L.PET	0.465082153	0.715512306	0.2965518148
## Inv_diff_norm_cooc.L.PET	0.522011213	0.857430936	0.2835532160
## IDM_cooc.L.PET	0.449997777	0.633635152	0.2764686454
## IDM_norm_cooc.L.PET	0.528170029	0.862436953	0.2767841358
## Inv_var_cooc.L.PET	0.451535030	0.639166871	0.2830815483
## Correlation_cooc.L.PET	0.399659580	0.419302321	0.2171625618
## Autocorrelation_cooc.L.PET	0.409697306	0.481844369	0.0734287808
## Tendency_cooc.L.PET	0.545441174	0.502261636	0.0394695806
## Shade_cooc.L.PET	0.358451538	0.247136798	0.0661602149
## Prominence_cooc.L.PET	0.527068735	0.312483643	-0.0519628279
## IC1_.L.PET	-0.424044847	-0.225305018	0.0656938059
## IC2_.L.PET	0.660479242	0.736572098	0.1588930067
## Coarseness_vdif_.L.PET	0.698230366	0.369502314	-0.0507694515
## Contrast_vdif_.L.PET	0.309318806	0.258011064	-0.1032922990
## Busyness_vdif_.L.PET	-0.123488139	0.339106425	0.3176583459
## Complexity_vdif_.L.PET	0.482202751	0.709878644	0.0978957035
## Strength_vdif_.L.PET	0.568561397	0.225979225	-0.1664350926
## SRE_align.L.PET	0.542191904	0.870692452	0.2627512523
## LRE_align.L.PET	0.509523594	0.856493582	0.2861060508
## GLNU_align.L.PET	-0.152696822	0.279966559	0.3307610724
## RLNU_align.L.PET	-0.220294704	0.279507962	0.3604267374
## RP_align.L.PET	0.543750031	0.870611545	0.2602536366
## LGRE_align.L.PET	0.564055177	0.550074633	0.0876810710

## HGRE_align.L.PET	0.409172581	0.526646677	0.0873335818
## LGSRE_align.L.PET	0.568860921	0.555295028	0.0871117633
## HGSRE_align.L.PET	0.412215809	0.526547102	0.0843739637
## LGHRE_align.L.PET	0.542087123	0.526247871	0.0901753527
## HGLRE_align.L.PET	0.394713570	0.525691324	0.0994676856
## GLNU_norm_align.L.PET	0.660333178	0.571675276	0.0911643012
## RLNU_norm_align.L.PET	0.548517434	0.870200340	0.2527410941
## GLVAR_align.L.PET	0.493051004	0.573119903	0.0579145781
## RLVAR_align.L.PET	0.480160325	0.531814412	0.2253889132
## Entropy_align.L.PET	0.469063727	0.860659343	0.2954931808
## SZSE.L.PET	0.543889278	0.862796120	0.2596512927
## LZSE.L.PET	0.298485022	0.563500496	0.2175037343
## LGLZE.L.PET	0.571144669	0.559155405	0.0829899705
## HGLZE.L.PET	0.411257094	0.539885427	0.0940132148
## SZLGE.L.PET	0.587370025	0.573283019	0.0798999793
## SZHGE.L.PET	0.418295499	0.547520559	0.0952613973
## LZLGE.L.PET	0.436112245	0.420451990	0.1071905101
## LZHGE.L.PET	0.286229639	0.400379739	0.0798960493
## GLNU_area.L.PET	-0.156860186	0.285782907	0.3331925778
## ZSNU.L.PET	-0.223833145	0.286849282	0.3590928603
## ZSP.L.PET	0.552861734	0.868122760	0.2482756038
## GLNU_norm.L.PET	0.659442350	0.571861399	0.0906202134
## ZSNU_norm.L.PET	0.557068743	0.872707779	0.2347005943
## GLVAR_area.L.PET	0.494435957	0.588074438	0.0693111534
## ZSVAR.L.PET	0.165183115	0.345143519	0.2568688683
## Entropy_area.L.PET	0.458621776	0.858481433	0.3070586674
## Max_cooc.H.PET	0.919840951	-0.055081526	-0.4223793361
## Average_cooc.H.PET	0.680557852	0.761648334	0.1122705559
## Variance_cooc.H.PET	0.098989254	0.912392115	0.5233185765
## Entropy_cooc.H.PET	0.183979655	0.883890061	0.5000619989
## DAVE_cooc.H.PET	0.214338608	0.935458065	0.3901731969
## DVAR_cooc.H.PET	0.279796090	0.875523631	0.3450422460
## DENT_cooc.H.PET	0.147211906	0.786478377	0.3367140660
## SAVE_cooc.H.PET	0.581068411	0.806331226	0.1796033825
## SVAR_cooc.H.PET	0.182294998	0.816254683	0.4471031688
## SENT_cooc.H.PET	0.167685434	0.774022880	0.4885153326
## ASM_cooc.H.PET	0.893756076	-0.047297836	-0.3756623872
## Contrast_cooc.H.PET	0.137806663	0.886011279	0.3911013299
## Dissimilarity_cooc.H.PET	0.214338608	0.935458065	0.3901731969
## Inv_diff_cooc.H.PET	0.931694811	0.270492761	-0.2658648831
## Inv_diff_norm_cooc.H.PET	0.586895136	0.833296411	0.2356967714
## IDM_cooc.H.PET	0.946587204	0.142290541	-0.3634785076
## IDM_norm_cooc.H.PET	0.558228402	0.852716154	0.2545348774
## Inv_var_cooc.H.PET	0.367047091	0.628990080	0.4015603451
## Correlation_cooc.H.PET	0.328259332	0.469965545	0.2883243983
## Autocorrelation_cooc.H.PET	0.784257086	0.638592917	-0.0062058998
## Tendency_cooc.H.PET	0.069090365	0.845060490	0.5479726387
## Shade_cooc.H.PET	0.124978539	-0.450728809	-0.2632344943
## Prominence_cooc.H.PET	-0.201187233	0.729209039	0.6438089910
## IC1_d.H.PET	-0.092198124	0.139104421	0.0377848254
## IC2_d.H.PET	0.349427386	0.625192706	0.3674079167
## Coarseness_vdif.H.PET	0.573291200	0.370818050	0.0392185057
## Contrast_vdif.H.PET	0.712247960	-0.010384730	-0.3692838150
## Busyness_vdif.H.PET	-0.168356744	0.119179261	0.0240470484

## Complexity_vdif.H.PET	0.427091425	0.639630789	0.1461838722
## Strength_vdif.H.PET	0.326187097	-0.049005742	-0.1194024839
## SRE_align.H.PET	0.369088165	0.949945751	0.3996135495
## LRE_align.H.PET	0.813283224	0.242499483	-0.2301050876
## RLNU_align.H.PET	-0.259121475	0.323602013	0.4478077106
## RP_align.H.PET	0.337687448	0.961335119	0.4266681300
## LGRE_align.H.PET	0.520482450	0.410514139	0.1052413315
## HGRE_align.H.PET	0.778435485	0.660531632	0.0113657718
## LGSRE_align.H.PET	0.520322478	0.408590491	0.1039341491
## HGSRE_align.H.PET	0.624432643	0.819470504	0.1698616993
## LGHRE_align.H.PET	0.527383433	0.415697743	0.1053182165
## HGLRE_align.H.PET	0.808567604	0.025012244	-0.3393373670
## GLNU_norm_align.H.PET	0.983705018	0.112442692	-0.4381924653
## RLNU_norm_align.H.PET	0.215461683	0.982668689	0.5074793699
## GLVAR_align.H.PET	0.045625913	0.890960760	0.5406017427
## RLVAR_align.H.PET	0.711722229	-0.136812250	-0.4117310763
## Entropy_align.H.PET	0.163700002	0.924195773	0.5802202890
## SZSE.H.PET	0.141728421	0.980536054	0.5576807241
## LZSE.H.PET	0.206035787	-0.214097529	-0.1720813899
## LGLZE.H.PET	0.516459719	0.412392600	0.1092518005
## HGLZE.H.PET	0.639720262	0.656096291	0.0580968169
## SZLGE.H.PET	0.518924186	0.406492479	0.1037569526
## SZHGE.H.PET	0.326673827	0.881705490	0.3583092371
## LZLGE.H.PET	0.312585810	-0.195793415	-0.2031315925
## LZHGE.H.PET	0.304182534	-0.237076707	-0.2069593238
## GLNU_area.H.PET	-0.183119817	0.303273092	0.2760521107
## ZSNU.H.PET	-0.298997395	0.345987229	0.5364188726
## ZSP.H.PET	-0.121122731	0.938567959	0.6883540085
## GLNU_norm.H.PET	0.975259089	0.111356238	-0.4381455150
## ZSNU_norm.H.PET	-0.049503437	0.959910596	0.6733041069
## GLVAR_area.H.PET	0.021730829	0.873733742	0.5368278201
## ZSVAR.H.PET	0.256790765	-0.229743913	-0.1957351791
## Entropy_area.H.PET	0.312287750	0.871843809	0.4306734155
## Max_cooc.W.PET	0.886845335	0.065366085	-0.3034719069
## Average_cooc.W.PET	-0.298929226	0.780372699	0.8825383414
## Variance_cooc.W.PET	-0.387716357	0.562971638	0.9941512802
## Entropy_cooc.W.PET	0.054515703	0.960609717	0.6390869592
## DAVE_cooc.W.PET	-0.260860077	0.846072950	0.8433501239
## DVAR_cooc.W.PET	-0.386484637	0.624400751	0.9556603492
## DENT_cooc.W.PET	0.052028590	0.978820140	0.6443201758
## SAVE_cooc.W.PET	-0.300137062	0.779810848	0.8826574329
## SVAR_cooc.W.PET	-0.373085184	0.513384936	0.9864463812
## SENT_cooc.W.PET	0.181999922	0.949292906	0.5804892205
## ASM_cooc.W.PET	0.836484653	0.144265875	-0.2098370922
## Contrast_cooc.W.PET	-0.392099946	0.642076699	0.9254909492
## Dissimilarity_cooc.W.PET	-0.260860077	0.846072950	0.8433501239
## Inv_diff_cooc.W.PET	0.912162616	0.361660509	-0.2670161099
## Inv_diff_norm_cooc.W.PET	0.529733857	0.854158369	0.2772558416
## IDM_cooc.W.PET	0.943235130	0.190535059	-0.3749389651
## IDM_norm_cooc.W.PET	0.529858518	0.862035479	0.2748956218
## Inv_var_cooc.W.PET	0.916246321	0.276865995	-0.3342874126
## Correlation_cooc.W.PET	0.382654127	0.427367397	0.2305607254
## Autocorrelation_cooc.W.PET	-0.422093387	0.544741932	0.9492260058
## Tendency_cooc.W.PET	-0.373085184	0.513384936	0.9864463812

## Shade_cooc.W.PET	-0.194637716	0.190677290	0.7260554559
## Prominence_cooc.W.PET	-0.219817193	0.157370762	0.7409918627
## IC1_d.W.PET	-0.004606932	0.037931758	-0.0937367428
## IC2_d.W.PET	0.381917722	0.735133630	0.4207097785
## Coarseness_vdif.W.PET	0.707287473	0.333458764	-0.0940057302
## Contrast_vdif.W.PET	-0.109546116	0.755008170	0.6400779183
## Busyness_vdif.W.PET	0.511096807	-0.151780710	-0.4160612072
## Complexity_vdif.W.PET	-0.337024642	0.408003496	0.9401769866
## Strength_vdif.W.PET	-0.030920126	0.434129287	0.4885835997
## SRE_align.W.PET	0.457442334	0.914867817	0.3348619256
## LRE_align.W.PET	0.776184694	0.544893449	-0.0393908610
## GLNU_align.W.PET	-0.026708430	0.166059649	0.0742950796
## RLNU_align.W.PET	-0.239952831	0.303557580	0.4086532477
## RP_align.W.PET	0.434536296	0.926048976	0.3537930749
## LGRE_align.W.PET	0.931618120	0.138391654	-0.4117793579
## HGRE_align.W.PET	-0.426543573	0.551137682	0.9508575168
## LGSRE_align.W.PET	0.925917229	0.187570896	-0.3929542390
## HGSRE_align.W.PET	-0.428459255	0.550040712	0.9536212873
## LGHRE_align.W.PET	0.878894926	-0.044861119	-0.4419354148
## HGLRE_align.W.PET	-0.417127374	0.552554901	0.9363626839
## GLNU_norm_align.W.PET	0.986998145	0.145170116	-0.3963465761
## RLNU_norm_align.W.PET	0.356220280	0.954627549	0.4125843545
## GLVAR_align.W.PET	-0.402643289	0.560086628	0.9995404815
## RLVAR_align.W.PET	0.800768456	-0.060765285	-0.3930336884
## Entropy_align.W.PET	0.154914568	0.938362862	0.5819699434
## SZSE.W.PET	0.337610536	0.960011389	0.4367216663
## LZSE.W.PET	0.599192030	-0.210132468	-0.3377851501
## LGLZE.W.PET	0.946613307	0.147910795	-0.4144518372
## HGLZE.W.PET	-0.425461068	0.556720064	0.9600185421
## SZLGE.W.PET	0.917052653	0.282838346	-0.3353765992
## SZHGE.W.PET	-0.426200516	0.553320519	0.9669590092
## LZLGE.W.PET	0.454506852	-0.235562185	-0.2680551498
## LZHGE.W.PET	-0.232499016	0.400673513	0.6699539535
## GLNU_area.W.PET	-0.095530222	0.235557516	0.1638533663
## ZSNU.W.PET	-0.268821499	0.330711831	0.4722548115
## ZSP.W.PET	0.153364140	0.989555288	0.5452597612
## GLNU_norm.W.PET	1.000000000	0.154251319	-0.3988052031
## ZSNU_norm.W.PET	0.154251319	1.000000000	0.5624076585
## GLVAR_area.W.PET	-0.398805203	0.562407659	1.0000000000
## ZSVAR.W.PET	0.523994135	-0.256718322	-0.3216306496
## Entropy_area.W.PET	0.263829179	0.898747436	0.4887018086
## Min_hist.ADC	0.359308448	0.260866840	0.0461926841
## Max_hist.ADC	0.446406933	0.769998512	0.2504797807
## Mean_hist.ADC	0.516688090	0.758695222	0.1672702887
## Variance_hist.ADC	0.303467459	0.360247243	0.1040721769
## Standard_Deviation_hist.ADC	0.416532578	0.613787177	0.1879080978
## Skewness_hist.ADC	0.105740749	0.158232906	0.2128884380
## Kurtosis_hist.ADC	0.067905530	0.261077622	0.1925151741
## Energy_hist.ADC	0.585104839	0.370643207	0.0296369132
## Entropy_hist.ADC	0.425944923	0.846822296	0.3043019819
## AUC_hist.ADC	0.499508158	0.855444784	0.2959365658
## Volume.ADC	-0.118320888	0.325935786	0.3024379009
## X3D_surface.ADC	0.033647774	0.415123752	0.2155809392
## ratio_3ds_vol.ADC	0.572100168	0.514717999	0.0489150069

## ratio_3ds_vol_norm.ADC	0.445409867	0.832329038	0.256722229
## irregularity.ADC	0.551926774	0.826965218	0.2478596252
## Compactness_v1.ADC	0.644254251	0.580804983	0.1190460252
##	ZSVAR.W.PET	Entropy_area.W.PET	Min_hist.ADC
## Failure	0.0338209203	-0.05028272	0.277412397
## Entropy_cooc.W.ADC	0.0756604024	0.07029155	-0.196528370
## GLNU_align.H.PET	0.1010174765	0.02284149	-0.231707613
## Min_hist.PET	-0.3607629704	0.68010396	0.172450730
## Max_hist.PET	-0.3507633702	0.74468930	0.114279847
## Mean_hist.PET	-0.3643832863	0.71191905	0.157360852
## Variance_hist.PET	-0.3234362733	0.48481085	0.047603966
## Standard_Deviation_hist.PET	-0.3561741435	0.73588947	0.107346152
## Skewness_hist.PET	0.0550710371	0.42816332	0.145968176
## Kurtosis_hist.PET	0.0156687459	0.10309550	0.022155526
## Energy_hist.PET	0.0646615549	0.29680742	0.247607228
## Entropy_hist.PET	0.0011231262	0.91153780	0.155982982
## AUC_hist.PET	0.0463157803	0.93236038	0.324709278
## H_suv.PET	-0.3632913392	0.70633472	0.107237704
## Volume.PET	-0.1201468405	0.46918265	-0.017048501
## X3D_surface.PET	-0.0549790296	0.34486351	-0.135571853
## ratio_3ds_vol.PET	0.1168434979	0.37075791	0.354914971
## ratio_3ds_vol_norm.PET	0.1053226119	0.54010269	0.142314657
## irregularity.PET	0.0671906668	0.85228307	0.408570476
## tumor_length.PET	0.0172957328	0.70743849	0.017788702
## Compactness_v1.PET	0.0003860531	0.47481340	0.243929418
## Compactness_v2.PET	-0.1427212348	0.31682919	0.139017976
## Spherical_disproportion.PET	0.1053226119	0.54010269	0.142314657
## Sphericity.PET	-0.1404523151	0.31840256	0.094856064
## Asphericity.PET	0.1059907143	0.51912651	0.134014247
## Center_of_mass.PET	0.0341187749	0.47358826	-0.039666655
## Max_3D_diam.PET	-0.0973843534	0.62970806	0.060109650
## Major_axis_length.PET	-0.0827714249	0.66987477	0.107912553
## Minor_axis_length.PET	-0.0371046531	0.79061645	0.018591015
## Least_axis_length.PET	-0.0649827177	0.72252888	-0.026825154
## Elongation.PET	0.0455858969	0.76834166	0.218795950
## Flatness.PET	0.0274822933	0.75651772	0.156780843
## Max_cooc.L.PET	0.0802345514	0.34664214	0.222151481
## Average_cooc.L.PET	0.0523716174	0.73545563	0.406460777
## Variance_cooc.L.PET	0.0700442682	0.47917264	0.407416970
## Entropy_cooc.L.PET	0.0298757217	0.95277290	0.305481131
## DAVE_cooc.L.PET	-0.0303254829	0.60848680	0.385737188
## DVAR_cooc.L.PET	-0.0949453584	0.52169966	0.378671643
## DENT_cooc.L.PET	0.0179470447	0.88468803	0.370074722
## SAVE_cooc.L.PET	0.0523195540	0.73536900	0.406399691
## SVAR_cooc.L.PET	0.1556173151	0.50527162	0.413699209
## SENT_cooc.L.PET	0.0748174681	0.89848955	0.348557989
## ASM_cooc.L.PET	0.0611802950	0.32924543	0.193802469
## Contrast_cooc.L.PET	-0.0753015270	0.37316448	0.342574841
## Dissimilarity_cooc.L.PET	-0.0303254829	0.60848680	0.385737188
## Inv_diff_cooc.L.PET	0.0676241768	0.85592317	0.195981941
## Inv_diff_norm_cooc.L.PET	0.0488705504	0.95264908	0.314452347
## IDM_cooc.L.PET	0.0702805814	0.76957366	0.154276981
## IDM_norm_cooc.L.PET	0.0468407671	0.94994504	0.325020310
## Inv_var_cooc.L.PET	0.0700614890	0.77585149	0.152832287

## Correlation_cooc.L.PET	0.2346267452	0.69649585	0.158395556
## Autocorrelation_cooc.L.PET	0.0947087924	0.51605806	0.401232985
## Tendency_cooc.L.PET	0.1556173151	0.50527162	0.413699209
## Shade_cooc.L.PET	0.1769127250	0.22060352	0.196166876
## Prominence_cooc.L.PET	0.1918371131	0.28711446	0.396925335
## IC1_.L.PET	-0.1534563007	-0.17647829	-0.382108545
## IC2_.L.PET	0.1210338934	0.76299273	0.398637787
## Coarseness_vdif_.L.PET	0.1149432792	0.28763323	0.341465610
## Contrast_vdif_.L.PET	-0.0519942917	0.04888512	0.272345119
## Busyness_vdif_.L.PET	-0.1288028179	0.45347078	-0.131006919
## Complexity_vdif_.L.PET	-0.0739092100	0.55109584	0.347483744
## Strength_vdif_.L.PET	0.1152677703	0.04185735	0.410664269
## SRE_align.L.PET	0.0382585038	0.93628965	0.343855065
## LRE_align.L.PET	0.0483311695	0.95263967	0.308270430
## GLNU_align.L.PET	-0.1111338483	0.41608596	-0.109144279
## RLNU_align.L.PET	-0.1188846887	0.41020134	-0.118741844
## RP_align.L.PET	0.0390238798	0.93459008	0.345527005
## LGRE_align.L.PET	0.0126619766	0.50424398	0.186094014
## HGRE_align.L.PET	0.0767099322	0.53216526	0.398465463
## LGSRE_align.L.PET	0.0104813256	0.50743274	0.188932012
## HGSRE_align.L.PET	0.0745000763	0.52760542	0.400566430
## LGHRE_align.L.PET	0.0210539056	0.48918296	0.173778679
## HGLRE_align.L.PET	0.0857560908	0.54946600	0.387823642
## GLNU_norm_align.L.PET	0.0606945226	0.55118844	0.269256761
## RLNU_norm_align.L.PET	0.0405798693	0.92818129	0.351008628
## GLVAR_align.L.PET	0.0730688456	0.52828674	0.403652009
## RLVAR_align.L.PET	0.0597475766	0.62821020	0.139567367
## Entropy_align.L.PET	0.0393420060	0.95482896	0.317311829
## SZSE.L.PET	0.0122007953	0.90557745	0.353320212
## LZSE.L.PET	0.1065085608	0.70916499	0.137941017
## LGLZE.L.PET	0.0054257294	0.51433959	0.191706923
## HGLZE.L.PET	0.0736952964	0.54021053	0.400639130
## SZLGE.L.PET	-0.0105082816	0.51583693	0.206172170
## SZHGE.L.PET	0.0512168566	0.52632724	0.406699197
## LZLGE.L.PET	0.0659518986	0.43031556	0.096445983
## LZHGE.L.PET	0.1382775166	0.48498811	0.284336080
## GLNU_area.L.PET	-0.1191479274	0.41800303	-0.107954023
## ZSNU.L.PET	-0.1281405739	0.40939459	-0.112637676
## ZSP.L.PET	0.0228176415	0.90542642	0.360908291
## GLNU_norm.L.PET	0.0589752423	0.55246471	0.267566625
## ZSNU_norm.L.PET	0.0367791881	0.90023079	0.362946253
## GLVAR_area.L.PET	0.0722876788	0.54023129	0.403914046
## ZSVAR.L.PET	0.0521462519	0.52505458	-0.015362858
## Entropy_area.L.PET	0.0376196848	0.96477422	0.306338312
## Max_cooc.H.PET	0.6731988564	0.05617010	0.301027654
## Average_cooc.H.PET	0.1652356025	0.85779010	0.374242414
## Variance_cooc.H.PET	-0.2241940396	0.93668029	0.227253478
## Entropy_cooc.H.PET	-0.1693550327	0.86891598	0.351010200
## DAVE_cooc.H.PET	-0.2356242983	0.87768758	0.274426047
## DVAR_cooc.H.PET	-0.1394654636	0.83888797	0.311513882
## DENT_cooc.H.PET	-0.1196643822	0.81879719	0.155976352
## SAVE_cooc.H.PET	0.0904557290	0.90180437	0.332524534
## SVAR_cooc.H.PET	-0.0789406060	0.92274810	0.155057697
## SENT_cooc.H.PET	-0.1818354004	0.73174487	0.152223261

## ASM_cooc.H.PET	0.6618944630	0.06250451	0.280516764
## Contrast_cooc.H.PET	-0.2481331926	0.79152315	0.254326426
## Dissimilarity_cooc.H.PET	-0.2356242983	0.87768758	0.274426047
## Inv_diff_cooc.H.PET	0.5544612005	0.47608433	0.328311055
## Inv_diff_norm_cooc.H.PET	0.0948037522	0.92721503	0.342030090
## IDM_cooc.H.PET	0.6074822457	0.35380684	0.306954188
## IDM_norm_cooc.H.PET	0.0630679531	0.93663043	0.338014571
## Inv_var_cooc_.H.PET	-0.0940939336	0.58379912	0.181073979
## Correlation_cooc.H.PET	0.1599361358	0.72582148	0.153698255
## Autocorrelation_cooc.H.PET	0.2762792480	0.76254367	0.388896609
## Tendency_cooc.H.PET	-0.1912388009	0.93134491	0.192294333
## Shade_cooc.H.PET	0.2352344494	-0.52791681	-0.073525430
## Prominence_cooc.H.PET	-0.2905295412	0.79534744	0.080119403
## IC1_d.H.PET	-0.4158890598	-0.16412462	0.019059137
## IC2_d.H.PET	0.1027508837	0.82846500	0.213901339
## Coarseness_vdif.H.PET	0.0718049253	0.31398015	0.210371281
## Contrast_vdif.H.PET	0.3566038514	0.06463588	0.351340787
## Busyness_vdif.H.PET	-0.0989373383	0.19080129	-0.147707970
## Complexity_vdif.H.PET	-0.0570229168	0.56681546	0.231942133
## Strength_vdif.H.PET	0.3384690901	-0.08397373	0.170213868
## SRE_align.H.PET	-0.1340480346	0.95602527	0.310315019
## LRE_align.H.PET	0.7037721871	0.49068894	0.237376312
## RLNU_align.H.PET	-0.1699347170	0.42008983	-0.085438094
## RP_align.H.PET	-0.1610091747	0.95000442	0.309570422
## LGRE_align.H.PET	0.0321997273	0.37060740	0.204353416
## HGRE_align.H.PET	0.2732788307	0.76889551	0.387545298
## LGSRE_align.H.PET	0.0319357328	0.36762811	0.204082133
## HGSRE_align.H.PET	0.0516737011	0.85119097	0.378370181
## LGHRE_align.H.PET	0.0441767550	0.38537210	0.204252428
## HGLRE_align.H.PET	0.8149781687	0.27433176	0.212541804
## GLNU_norm_align.H.PET	0.5443798520	0.24258825	0.338874602
## RLNU_norm_align.H.PET	-0.2445839857	0.92941088	0.279094376
## GLVAR_align.H.PET	-0.2366416363	0.92562847	0.201832744
## RLVAR_align.H.PET	0.8212411645	0.14743605	0.095579590
## Entropy_align.H.PET	-0.1179615992	0.98905061	0.218083543
## SZSE.H.PET	-0.2385316125	0.89900460	0.220764169
## LZSE.H.PET	0.8057043363	-0.08837459	-0.070893303
## LGLZE.H.PET	0.0305713276	0.37341445	0.206125140
## HGLZE.H.PET	0.2513207121	0.76717268	0.226877502
## SZLGE.H.PET	0.0320258077	0.36449359	0.205477661
## SZHGE.H.PET	-0.0790414978	0.78323139	0.244595326
## LZLGE.H.PET	0.8288704626	-0.04288127	-0.037616249
## LZHGE.H.PET	0.9124088747	-0.10430493	-0.025858649
## GLNU_area.H.PET	-0.1553442521	0.42094918	-0.130042680
## ZSNU.H.PET	-0.2007891786	0.39493336	-0.036374619
## ZSP.H.PET	-0.4272145249	0.76790119	0.163514372
## GLNU_norm.H.PET	0.5429327157	0.26127385	0.365840953
## ZSNU_norm.H.PET	-0.3170948751	0.81176425	0.164516643
## GLVAR_area.H.PET	-0.2653695647	0.91256140	0.162119272
## ZSVAR_H.PET	0.8646845325	-0.09870245	-0.052817156
## Entropy_area.H.PET	-0.0658598463	0.99280912	0.234163262
## Max_cooc.W.PET	0.5650314803	0.11360902	0.301938650
## Average_cooc.W.PET	-0.3401152507	0.73559381	0.138374565
## Variance_cooc.W.PET	-0.3230139364	0.47249002	0.046572226

## Entropy_cooc.W.PET	-0.2536112887	0.95698816	0.209899840
## DAVE_cooc.W.PET	-0.3800340485	0.71072573	0.132235877
## DVAR_cooc.W.PET	-0.3432503736	0.48994104	0.072424288
## DENT_cooc.W.PET	-0.2817834980	0.92373229	0.221007798
## SAVE_cooc.W.PET	-0.3403126408	0.73510302	0.138022592
## SVAR_cooc.W.PET	-0.3003056233	0.44803373	0.034748289
## SENT_cooc.W.PET	-0.1861562903	0.95863469	0.224617939
## ASM_cooc.W.PET	0.4602439796	0.18282036	0.274581280
## Contrast_cooc.W.PET	-0.3536987175	0.49392588	0.073137085
## Dissimilarity_cooc.W.PET	-0.3800340485	0.71072573	0.132235877
## Inv_diff_cooc.W.PET	0.4536511873	0.55666616	0.334824610
## Inv_diff_norm_cooc.W.PET	0.0559187392	0.95016169	0.317387290
## IDM_cooc.W.PET	0.5482035136	0.40259792	0.311708500
## IDM_norm_cooc.W.PET	0.0478336484	0.94915759	0.326028471
## Inv_var_cooc.W.PET	0.4471496239	0.48424598	0.321012781
## Correlation_cooc.W.PET	0.2166707333	0.70146715	0.154539067
## Autocorrelation_cooc.W.PET	-0.3149348523	0.49911330	0.089516579
## Tendency_cooc.W.PET	-0.3003056233	0.44803373	0.034748289
## Shade_cooc.W.PET	-0.1413154502	0.16373290	-0.043197543
## Prominence_cooc.W.PET	-0.1347455911	0.14463890	-0.040705567
## IC1_d.W.PET	-0.3445706293	-0.19096685	-0.011741980
## IC2_d.W.PET	0.0873473529	0.87070160	0.260035719
## Coarseness_vdif.W.PET	0.1223936310	0.23384031	0.384203478
## Contrast_vdif.W.PET	-0.3237994349	0.53792155	0.158916110
## Busyness_vdif.W.PET	0.5369829035	0.13010521	0.001659561
## Complexity_vdif.W.PET	-0.2460662546	0.37646947	0.028020838
## Strength_vdif.W.PET	-0.1883455229	0.25499994	0.141802812
## SRE_align.W.PET	-0.0447516393	0.95494928	0.326991275
## LRE_align.W.PET	0.4585275146	0.74345072	0.315158377
## GLNU_align.W.PET	0.0430073215	0.37631094	-0.174524657
## RLNU_align.W.PET	-0.1493681773	0.41593112	-0.101131930
## RP_align.W.PET	-0.0704570167	0.95567967	0.325425920
## LGRE_align.W.PET	0.4748814569	0.22779037	0.280377481
## HGRE_align.W.PET	-0.3181432952	0.50267883	0.081303990
## LGSRE_align.W.PET	0.4222426876	0.26387701	0.285559914
## HGSRE_align.W.PET	-0.3202949755	0.49736516	0.081837123
## LGHRE_align.W.PET	0.6861268941	0.09013811	0.228213998
## HGLRE_align.W.PET	-0.3033385573	0.52384756	0.077701031
## GLNU_norm_align.W.PET	0.5230942942	0.24549047	0.340593559
## RLNU_norm_align.W.PET	-0.1322181036	0.95666647	0.309689027
## GLVAR_align.W.PET	-0.3231602053	0.48518507	0.047024437
## RLVAR_align.W.PET	0.8132829230	0.19911012	0.153493746
## Entropy_align.W.PET	-0.1511272402	0.98751327	0.224581717
## SZSE.W.PET	-0.1543139269	0.93014565	0.305678608
## LZSE.W.PET	0.9863388612	0.00402031	0.120029184
## LGLZE.W.PET	0.4969197273	0.25630612	0.276019554
## HGLZE.W.PET	-0.3209512157	0.50515333	0.083167725
## SZLGE.W.PET	0.3861855131	0.33838091	0.281750840
## SZHGE.W.PET	-0.3271000074	0.48789203	0.089308282
## LZLGE.W.PET	0.8857109859	-0.10768142	0.064859017
## LZHGE.W.PET	0.0124788058	0.51110125	0.056846268
## GLNU_area.W.PET	-0.0609174463	0.40314825	-0.156606253
## ZSNU.W.PET	-0.1839162138	0.40762846	-0.068678880
## ZSP.W.PET	-0.3046002205	0.90372257	0.249126797

## GLNU_norm.W.PET	0.5239941346	0.26382918	0.359308448
## ZSNU_norm.W.PET	-0.2567183222	0.89874744	0.260866840
## GLVAR_area.W.PET	-0.3216306496	0.48870181	0.046192684
## ZSVAR.W.PET	1.0000000000	-0.07090269	0.079399293
## Entropy_area.W.PET	-0.0709026853	1.00000000	0.234219685
## Min_hist.ADC	0.0793992934	0.23421968	1.000000000
## Max_hist.ADC	0.0290438338	0.84530598	0.124312793
## Mean_hist.ADC	0.0579691948	0.77371922	0.506486112
## Variance_hist.ADC	0.0762700680	0.42360881	-0.286209229
## Standard_Deviation_hist.ADC	0.0508615810	0.68566863	-0.107612818
## Skewness_hist.ADC	-0.0210576307	0.27742292	0.126090189
## Kurtosis_hist.ADC	0.0087599657	0.30712034	0.074097782
## Energy_hist.ADC	0.0746972512	0.33742099	0.250976273
## Entropy_hist.ADC	0.0096959813	0.93496732	0.141405077
## AUC_hist.ADC	0.0161596919	0.93667252	0.286654892
## Volume.ADC	-0.1287672866	0.44418589	-0.041571052
## X3D_surface.ADC	-0.0652793906	0.50308797	-0.320766354
## ratio_3ds_vol.ADC	0.0896583976	0.51515966	0.611137797
## ratio_3ds_vol_norm.ADC	-0.0120123630	0.90205400	0.206301908
## irregularity.ADC	0.0484946264	0.88559221	0.443197680
## Compactness_v1.ADC	0.0870315911	0.57991095	0.321378325
##	Max_hist.ADC	Mean_hist.ADC	Variance_hist.ADC
## Failure	-0.064850806	0.0305734849	-0.101381575
## Entropy_cooc.W.ADC	0.183875003	0.0227536929	0.287152704
## GLNU_align.H.PET	0.060676783	-0.0907587764	0.149634762
## Min_hist.PET	0.455661442	0.4416839713	0.190536909
## Max_hist.PET	0.520336616	0.4428901187	0.254846243
## Mean_hist.PET	0.463312971	0.4202400612	0.187590541
## Variance_hist.PET	0.245166668	0.1618335111	0.102085794
## Standard_Deviation_hist.PET	0.482615702	0.4063969831	0.202876785
## Skewness_hist.PET	0.580751056	0.5881514135	0.410305846
## Kurtosis_hist.PET	0.309345478	0.2579935034	0.337492012
## Energy_hist.PET	0.335832102	0.3805838243	0.236762844
## Entropy_hist.PET	0.859635517	0.7591158290	0.568674769
## AUC_hist.PET	0.885057107	0.8626903447	0.467724369
## H_suv.PET	0.506921157	0.4278297995	0.215683325
## Volume.PET	0.413986751	0.2295312453	0.297187837
## X3D_surface.PET	0.262175521	0.1410712080	0.307893476
## ratio_3ds_vol.PET	0.436823039	0.5616361178	0.191666722
## ratio_3ds_vol_norm.PET	0.515926348	0.4680288785	0.325535262
## irregularity.PET	0.840678644	0.8880275178	0.418715237
## tumor_length.PET	0.602210361	0.4669121579	0.443933426
## Compactness_v1.PET	0.470516790	0.4600340447	0.307681587
## Compactness_v2.PET	0.261602176	0.2482967459	0.067251372
## Spherical_disproportion.PET	0.515926348	0.4680288785	0.325535262
## Sphericity.PET	0.277828770	0.2444841261	0.079185291
## Asphericity.PET	0.496586833	0.4482328580	0.316956464
## Center_of_mass.PET	0.392623097	0.2803580911	0.349794270
## Max_3D_diam.PET	0.513194312	0.3927102497	0.302430917
## Major_axis_length.PET	0.541524749	0.4221319470	0.354487997
## Minor_axis_length.PET	0.683083285	0.5149793049	0.420116258
## Least_axis_length.PET	0.586294507	0.4069187666	0.356840383
## Elongation.PET	0.737724138	0.7253808103	0.337085349
## Flatness.PET	0.674613708	0.6250306807	0.292855701

## Max_cooc.L.PET	0.377988498	0.3905395013	0.281769558
## Average_cooc.L.PET	0.616592708	0.6676445097	0.218150979
## Variance_cooc.L.PET	0.435310990	0.5668533582	0.105920797
## Entropy_cooc.L.PET	0.851646500	0.8201875320	0.413782071
## DAVE_cooc.L.PET	0.571393990	0.6723028484	0.197915219
## DVAR_cooc.L.PET	0.505950624	0.6291038474	0.159290550
## DENT_cooc.L.PET	0.820305836	0.8448096536	0.379313339
## SAVE_cooc.L.PET	0.616440672	0.6675095331	0.217926157
## SVAR_cooc.L.PET	0.438668573	0.5554855144	0.110799140
## SENT_cooc.L.PET	0.819176923	0.8275373492	0.394416215
## ASM_cooc.L.PET	0.348551987	0.3535224394	0.267706885
## Contrast_cooc.L.PET	0.371316341	0.5085487167	0.083844705
## Dissimilarity_cooc.L.PET	0.571393990	0.6723028484	0.197915219
## Inv_diff_cooc.L.PET	0.823253071	0.7403702098	0.514196229
## Inv_diff_norm_cooc.L.PET	0.890922639	0.8615011422	0.470470309
## IDM_cooc.L.PET	0.755144982	0.6649575185	0.505161660
## IDM_norm_cooc.L.PET	0.886775438	0.8643384319	0.460706298
## Inv_var_cooc.L.PET	0.762582251	0.6692336789	0.512184957
## Correlation_cooc.L.PET	0.592754212	0.5106075745	0.343976044
## Autocorrelation_cooc.L.PET	0.401802637	0.4795176111	0.089784803
## Tendency_cooc.L.PET	0.438668573	0.5554855144	0.110799140
## Shade_cooc.L.PET	0.249197004	0.3410076878	0.091636782
## Prominence_cooc.L.PET	0.268113999	0.4280466712	0.024410349
## IC1_.L.PET	-0.200201597	-0.3980234765	0.027142768
## IC2_.L.PET	0.715463650	0.7903327670	0.329411701
## Coarseness_vdif_.L.PET	0.336495107	0.4302594892	0.198755859
## Contrast_vdif_.L.PET	0.141611089	0.3058309916	-0.001645479
## Busyness_vdif_.L.PET	0.406064108	0.2397258692	0.347101444
## Complexity_vdif_.L.PET	0.563891553	0.6720340016	0.223193020
## Strength_vdif_.L.PET	0.184824523	0.4015758650	0.020234251
## SRE_align.L.PET	0.875767142	0.8676611754	0.444082559
## LRE_align.L.PET	0.887239060	0.8601520364	0.463425679
## GLNU_align.L.PET	0.339593926	0.1943660053	0.295429309
## RLNU_align.L.PET	0.294535550	0.1470185481	0.255706356
## RP_align.L.PET	0.874276024	0.8678574600	0.442036688
## LGRE_align.L.PET	0.587003744	0.5983777755	0.414816541
## HGRE_align.L.PET	0.429139809	0.5039699473	0.099051335
## LGSRE_align.L.PET	0.588797721	0.6005991398	0.414373114
## HGSRE_align.L.PET	0.427042750	0.5039314079	0.097593985
## LGHRE_align.L.PET	0.576427375	0.5855997555	0.413801364
## HGLRE_align.L.PET	0.436619397	0.5025925896	0.104865003
## GLNU_norm_align.L.PET	0.610152039	0.6192309673	0.417690111
## RLNU_norm_align.L.PET	0.868327472	0.8671512426	0.434669420
## GLVAR_align.L.PET	0.463543864	0.5738435660	0.119358181
## RLVAR_align.L.PET	0.600860326	0.5223843130	0.424137187
## Entropy_align.L.PET	0.852198972	0.8252868499	0.411689039
## SZSE.L.PET	0.852402998	0.8440021846	0.436547274
## LZSE.L.PET	0.647480042	0.6101847145	0.337454085
## LGLZE.L.PET	0.596916499	0.6088786278	0.415956659
## HGLZE.L.PET	0.437262760	0.5136798900	0.100673522
## SZLGE.L.PET	0.596460921	0.6102494682	0.410895358
## SZHGE.L.PET	0.434333523	0.5109595971	0.104917126
## LZLGE.L.PET	0.518705574	0.5045623135	0.402514459
## LZHGE.L.PET	0.361228088	0.4132945723	0.065242918

## GLNU_area.L.PET	0.339071585	0.1923930298	0.297636625
## ZSNU.L.PET	0.292944863	0.1459725135	0.255724716
## ZSP.L.PET	0.851787762	0.8519637384	0.430459557
## GLNU_norm.L.PET	0.610031582	0.6175642544	0.417929784
## ZSNU_norm.L.PET	0.845968380	0.8538662437	0.419590956
## GLVAR_area.L.PET	0.473404486	0.5815621289	0.122760054
## ZSVAR.L.PET	0.491084889	0.3787802381	0.328225560
## Entropy_area.L.PET	0.860456684	0.8258826346	0.420527473
## Max_cooc.H.PET	0.264458269	0.3426990003	0.212724247
## Average_cooc.H.PET	0.854252942	0.8695396748	0.449169548
## Variance_cooc.H.PET	0.736532583	0.6866516175	0.314892361
## Entropy_cooc.H.PET	0.710113792	0.7313370534	0.257978877
## DAVE_cooc.H.PET	0.758630188	0.7557866609	0.336113114
## DVAR_cooc.H.PET	0.740868699	0.7368548163	0.337115440
## DENT_cooc.H.PET	0.782262752	0.7123624162	0.465911528
## SAVE_cooc.H.PET	0.869245194	0.8676045164	0.478334499
## SVAR_cooc.H.PET	0.767498098	0.6767663395	0.448005475
## SENT_cooc.H.PET	0.553506523	0.5330432255	0.274271289
## ASM_cooc.H.PET	0.235907567	0.2895696984	0.203907352
## Contrast_cooc.H.PET	0.666223794	0.6683502141	0.278375192
## Dissimilarity_cooc.H.PET	0.758630188	0.7557866609	0.336113114
## Inv_diff_cooc.H.PET	0.599264774	0.6187038539	0.383367756
## Inv_diff_norm_cooc.H.PET	0.878902101	0.8660377283	0.458229596
## IDM_cooc.H.PET	0.506431639	0.5342355079	0.343179611
## IDM_norm_cooc.H.PET	0.880686314	0.8676465654	0.454168150
## Inv_var_cooc.H.PET	0.501987039	0.4744779581	0.331467733
## Correlation_cooc.H.PET	0.588556025	0.5037670614	0.316818997
## Autocorrelation_cooc.H.PET	0.798709206	0.8289994861	0.435039799
## Tendency_cooc.H.PET	0.708647973	0.6351303300	0.306441575
## Shade_cooc.H.PET	-0.282795885	-0.2727615633	-0.092612411
## Prominence_cooc.H.PET	0.516377664	0.4189692239	0.196676421
## IC1_d.H.PET	-0.108562008	-0.0719659775	-0.045422120
## IC2_d.H.PET	0.687175054	0.6346281294	0.366210431
## Coarseness_vdif.H.PET	0.328635380	0.3487634602	0.242351545
## Contrast_vdif.H.PET	0.210931630	0.3045222859	0.125882138
## Busyness_vdif.H.PET	0.215284611	0.0899595582	0.130970601
## Complexity_vdif.H.PET	0.506044391	0.5560592085	0.264095728
## Strength_vdif.H.PET	-0.030438995	0.0486771334	-0.068332650
## SRE_align.H.PET	0.853458487	0.8394922023	0.413308969
## LRE_align.H.PET	0.578729624	0.5661233749	0.404491384
## RLNU_align.H.PET	0.289951753	0.1476362386	0.249899640
## RP_align.H.PET	0.840079939	0.8287682949	0.400914616
## LGRE_align.H.PET	0.357678155	0.3565188768	0.260588555
## HGRE_align.H.PET	0.813426298	0.8354520324	0.439832898
## LGSRE_align.H.PET	0.355476335	0.3547850756	0.259631197
## HGSRE_align.H.PET	0.853888437	0.8761737742	0.434330223
## LGHRE_align.H.PET	0.369873977	0.3657478940	0.267406055
## HGLRE_align.H.PET	0.392535377	0.3966784589	0.295175515
## GLNU_norm_align.H.PET	0.443230214	0.5102063663	0.307605141
## RLNU_norm_align.H.PET	0.792793352	0.7804365941	0.364960815
## GLVAR_align.H.PET	0.714155313	0.6539660738	0.309351226
## RLVAR_align.H.PET	0.275287478	0.2547546914	0.264114309
## Entropy_align.H.PET	0.807534224	0.7342678185	0.393045471
## SZSE.H.PET	0.761853143	0.7232702322	0.370017232

## LZSE.H.PET	-0.024368528	-0.0506574813	0.093851654
## LGLZE.H.PET	0.357519699	0.3562058681	0.259263780
## HGLZE.H.PET	0.823593720	0.7942248853	0.537255477
## SZLGE.H.PET	0.352237736	0.3519661443	0.258087861
## SZHGE.H.PET	0.763080369	0.7678677358	0.401869211
## LZLGE.H.PET	0.027330693	-0.0006083989	0.120451234
## LZHGE.H.PET	-0.036686679	-0.0448878522	0.072457431
## GLNU_area.H.PET	0.337142769	0.1861143865	0.279126573
## ZSNU.H.PET	0.252057357	0.1259219750	0.223726381
## ZSP.H.PET	0.587242076	0.5589159545	0.254679489
## GLNU_norm.H.PET	0.432967239	0.5103244600	0.274077731
## ZSNU_norm.H.PET	0.638614918	0.6023457408	0.284834400
## GLVAR_area.H.PET	0.703155089	0.6242907253	0.324016797
## ZSVAR_H.PET	-0.027987464	-0.0482858541	0.089277507
## Entropy_area.H.PET	0.862397518	0.7878065949	0.447110772
## Max_cooc.W.PET	0.274640573	0.3424900686	0.202559047
## Average_cooc.W.PET	0.466338304	0.3882250276	0.181392040
## Variance_cooc.W.PET	0.236998692	0.1652324812	0.096755347
## Entropy_cooc.W.PET	0.764396218	0.7061478435	0.350558970
## DAVE_cooc.W.PET	0.472734615	0.4328184518	0.176581008
## DVAR_cooc.W.PET	0.260300674	0.2141125438	0.091636935
## DENT_cooc.W.PET	0.745025990	0.7085103681	0.336011786
## SAVE_cooc.W.PET	0.465761506	0.3876243488	0.180906375
## SVAR_cooc.W.PET	0.221891112	0.1410913064	0.100482126
## SENT_cooc.W.PET	0.780833279	0.7357510293	0.374689542
## ASM_cooc.W.PET	0.295398268	0.3351749951	0.235795692
## Contrast_cooc.W.PET	0.254971845	0.2132640010	0.078033370
## Dissimilarity_cooc.W.PET	0.472734615	0.4328184518	0.176581008
## Inv_diff_cooc.W.PET	0.666493263	0.6847153145	0.405313136
## Inv_diff_norm_cooc.W.PET	0.890496394	0.8627870767	0.470122157
## IDM_cooc.W.PET	0.547694066	0.5729165882	0.358037296
## IDM_norm_cooc.W.PET	0.886747883	0.8652128363	0.460514103
## Inv_var_cooc.W.PET	0.613350183	0.6359414008	0.389080160
## Correlation_cooc.W.PET	0.593229784	0.5089384461	0.343658088
## Autocorrelation_cooc.W.PET	0.246789492	0.1573082522	0.092511594
## Tendency_cooc.W.PET	0.221891112	0.1410913064	0.100482126
## Shade_cooc.W.PET	0.060948726	0.0106032649	0.056584367
## Prominence_cooc.W.PET	0.031342045	-0.0270840126	0.047745550
## IC1_d.W.PET	-0.107890032	-0.1062074976	-0.015051687
## IC2_d.W.PET	0.725557993	0.7085108015	0.373981162
## Coarseness_vdif.W.PET	0.305900866	0.4311337117	0.160627124
## Contrast_vdif.W.PET	0.335191002	0.3618380183	0.084750037
## Busyness_vdif.W.PET	0.239978817	0.1739369810	0.239343812
## Complexity_vdif.W.PET	0.197415949	0.1137521939	0.117827358
## Strength_vdif.W.PET	0.195105062	0.2662973446	0.089060187
## SRE_align.W.PET	0.873252742	0.8606161801	0.435204284
## LRE_align.W.PET	0.769463204	0.7591783859	0.442220545
## GLNU_align.W.PET	0.352217928	0.1952170554	0.311587903
## RLNU_align.W.PET	0.292421493	0.1482389632	0.252807278
## RP_align.W.PET	0.868362285	0.8566792812	0.428703427
## LGRE_align.W.PET	0.438677453	0.5017263281	0.321677540
## HGRE_align.W.PET	0.253340085	0.1602280013	0.093713797
## LGSRE_align.W.PET	0.469559673	0.5348357030	0.335480026
## HGSRE_align.W.PET	0.249009613	0.1576685622	0.091313016

## LGHRE_align.W.PET	0.298607089	0.3453023554	0.259443524
## HGLRE_align.W.PET	0.270567111	0.1704136002	0.103296998
## GLNU_norm_align.W.PET	0.436036510	0.5035274387	0.304968333
## RLNU_norm_align.W.PET	0.850521733	0.8386480948	0.410492047
## GLVAR_align.W.PET	0.246032101	0.1624848369	0.102533757
## RLVAR_align.W.PET	0.323296491	0.3124387025	0.280366612
## Entropy_align.W.PET	0.808479303	0.7408260611	0.387798899
## SZSE.W.PET	0.835519318	0.8181012068	0.414553733
## LZSE.W.PET	0.101599458	0.1331979972	0.105275241
## LGLZE.W.PET	0.458591454	0.5121306607	0.329947661
## HGLZE.W.PET	0.255894470	0.1662004495	0.093880950
## SZLGE.W.PET	0.526512942	0.5793682038	0.362893319
## SZHGE.W.PET	0.243258775	0.1609810070	0.088174461
## LZLGE.W.PET	-0.003951661	0.0176787602	0.074582669
## LZHGE.W.PET	0.279749715	0.1902653394	0.078884930
## GLNU_area.W.PET	0.354578515	0.1976370514	0.304864480
## ZSNU.W.PET	0.274671385	0.1408105105	0.242681723
## ZSP.W.PET	0.773575761	0.7473420123	0.373941989
## GLNU_norm.W.PET	0.446406933	0.5166880902	0.303467459
## ZSNU_norm.W.PET	0.769998512	0.7586952217	0.360247243
## GLVAR_area.W.PET	0.250479781	0.1672702887	0.104072177
## ZSVAR.W.PET	0.029043834	0.0579691948	0.076270068
## Entropy_area.W.PET	0.845305981	0.7737192247	0.423608808
## Min_hist.ADC	0.124312793	0.5064861117	-0.286209229
## Max_hist.ADC	1.000000000	0.8261070228	0.689525908
## Mean_hist.ADC	0.826107023	1.0000000000	0.395658280
## Variance_hist.ADC	0.689525908	0.3956582798	1.000000000
## Standard_Deviation_hist.ADC	0.874825944	0.6376550222	0.932848417
## Skewness_hist.ADC	0.188829034	-0.0751519735	-0.009853263
## Kurtosis_hist.ADC	0.284436519	0.2549291501	-0.158263150
## Energy_hist.ADC	0.330951114	0.3637824662	0.229463585
## Entropy_hist.ADC	0.925817346	0.8039604592	0.564709905
## AUC_hist.ADC	0.881743871	0.7962203979	0.450758592
## Volume.ADC	0.407541840	0.2187897588	0.292830143
## X3D_surface.ADC	0.657495233	0.2665967694	0.577508705
## ratio_3ds_vol.ADC	0.381459867	0.6416985135	0.081742559
## ratio_3ds_vol_norm.ADC	0.870771206	0.8030382883	0.497788939
## irregularity.ADC	0.784494775	0.8411482576	0.358818666
## Compactness_v1.ADC	0.554002635	0.5769737779	0.318402299
##	Standard_Deviation_hist.ADC	Skewness_hist.ADC	
## Failure		-0.077942278	0.1255455578
## Entropy_cooc.W.ADC		0.223362823	-0.0339810154
## GLNU_align.H.PET		0.082091891	-0.0024759333
## Min_hist.PET		0.351801233	0.1415201588
## Max_hist.PET		0.407010913	0.2125482762
## Mean_hist.PET		0.350737242	0.1902566829
## Variance_hist.PET		0.184602114	0.2125328153
## Standard_Deviation_hist.PET		0.366990028	0.2247090182
## Skewness_hist.PET		0.514953629	-0.0271233417
## Kurtosis_hist.PET		0.303987195	-0.0608995534
## Energy_hist.PET		0.328597063	0.0890997222
## Entropy_hist.PET		0.775226026	0.1854818934
## AUC_hist.PET		0.736095982	0.2338006187
## H_suv.PET		0.389698890	0.2164696370

## Volume.PET	0.357960621	0.2755789731
## X3D_surface.PET	0.301072862	0.0649589419
## ratio_3ds_vol.PET	0.358174737	0.0132544342
## ratio_3ds_vol_norm.PET	0.450924034	0.1633360099
## irregularity.PET	0.691316987	0.1684544460
## tumor_length.PET	0.549176900	0.2004235195
## Compactness_v1.PET	0.423808703	0.1820403756
## Compactness_v2.PET	0.144485907	0.1197257502
## Spherical_disproportion.PET	0.450924034	0.1633360099
## Sphericity.PET	0.165894666	0.1161057954
## Asphericity.PET	0.435568547	0.1588669299
## Center_of_mass.PET	0.402493667	0.1358576704
## Max_3D_diam.PET	0.412427493	0.2474961335
## Major_axis_length.PET	0.460116901	0.2644736710
## Minor_axis_length.PET	0.568674494	0.2534568760
## Least_axis_length.PET	0.484414841	0.2691844573
## Elongation.PET	0.588112027	0.0968817721
## Flatness.PET	0.529990471	0.1643026094
## Max_cooc.L.PET	0.370117462	0.1211821615
## Average_cooc.L.PET	0.479140626	0.2224620599
## Variance_cooc.L.PET	0.331628584	0.0889973145
## Entropy_cooc.L.PET	0.691555697	0.2564776084
## DAVE_cooc.L.PET	0.446150495	0.0980129806
## DVAR_cooc.L.PET	0.373805875	0.0355704624
## DENT_cooc.L.PET	0.663362006	0.2020823841
## SAVE_cooc.L.PET	0.478929754	0.2224053852
## SVAR_cooc.L.PET	0.335837243	0.1371234898
## SENT_cooc.L.PET	0.674118405	0.2311288200
## ASM_cooc.L.PET	0.347378799	0.1186893586
## Contrast_cooc.L.PET	0.280229433	0.0005549591
## Dissimilarity_cooc.L.PET	0.446150495	0.0980129806
## Inv_diff_cooc.L.PET	0.711606740	0.2244508413
## Inv_diff_norm_cooc.L.PET	0.738478021	0.2395053843
## IDM_cooc.L.PET	0.667517887	0.2000312808
## IDM_norm_cooc.L.PET	0.732777261	0.2377571021
## Inv_var_cooc.L.PET	0.674075665	0.2041051678
## Correlation_cooc.L.PET	0.505948963	0.2745048059
## Autocorrelation_cooc.L.PET	0.299930862	0.1900815312
## Tendency_cooc.L.PET	0.335837243	0.1371234898
## Shade_cooc.L.PET	0.196185878	-0.0241721999
## Prominence_cooc.L.PET	0.195398287	0.0383203543
## IC1_.L.PET	-0.133278677	0.0541088820
## IC2_.L.PET	0.596216728	0.1486194524
## Coarseness_vdif_.L.PET	0.316959763	0.0779766190
## Contrast_vdif_.L.PET	0.097675348	-0.1014563264
## Busyness_vdif_.L.PET	0.380993009	0.1810623390
## Complexity_vdif_.L.PET	0.449016074	0.0323011792
## Strength_vdif_.L.PET	0.135210407	-0.1102553761
## SRE_align.L.PET	0.721086667	0.2283816436
## LRE_align.L.PET	0.733234329	0.2325608946
## GLNU_align.L.PET	0.315111689	0.1606353350
## RLNU_align.L.PET	0.278462728	0.1594254465
## RP_align.L.PET	0.719489754	0.2271417630
## LGRE_align.L.PET	0.541610351	0.0621796968

## HGRE_align.L.PET	0.316335647	0.1820674988
## LGSRE_align.L.PET	0.542802371	0.0656626625
## HGSRE_align.L.PET	0.314610419	0.1794250764
## LGHRE_align.L.PET	0.533445867	0.0484530540
## HGLRE_align.L.PET	0.322573357	0.1921001466
## GLNU_norm_align.L.PET	0.559799584	0.1195190414
## RLNU_norm_align.L.PET	0.713405205	0.2234940068
## GLVAR_align.L.PET	0.350703037	0.1238521949
## RLVAR_align.L.PET	0.551043812	0.2018785193
## Entropy_align.L.PET	0.691801922	0.2591581207
## SZSE.L.PET	0.705953454	0.2323312240
## LZSE.L.PET	0.526276362	0.1450556671
## LGLZE.L.PET	0.546715716	0.0650065056
## HGLZE.L.PET	0.321554766	0.1794827056
## SZLGE.L.PET	0.545471705	0.0756846539
## SZHGE.L.PET	0.322432526	0.1760304974
## LZLGE.L.PET	0.490307777	0.0163159749
## LZHGE.L.PET	0.252904314	0.1625009320
## GLNU_area.L.PET	0.317667181	0.1619280566
## ZSNU.L.PET	0.279348612	0.1590315903
## ZSP.L.PET	0.704053807	0.2249949489
## GLNU_norm.L.PET	0.559949694	0.1208273081
## ZSNU_norm.L.PET	0.697488520	0.2155746285
## GLVAR_area.L.PET	0.357745525	0.1275265671
## ZSVAR.L.PET	0.422310036	0.1509792947
## Entropy_area.L.PET	0.698508263	0.2640891472
## Max_cooc.H.PET	0.260855898	0.0187115604
## Average_cooc.H.PET	0.714001873	0.2015597664
## Variance_cooc.H.PET	0.576279312	0.2628739215
## Entropy_cooc.H.PET	0.517740487	0.1983281884
## DAVE_cooc.H.PET	0.601319189	0.1818972094
## DVAR_cooc.H.PET	0.591048182	0.2133132947
## DENT_cooc.H.PET	0.662661018	0.0702526425
## SAVE_cooc.H.PET	0.741738295	0.1800990527
## SVAR_cooc.H.PET	0.669555392	0.2194545676
## SENT_cooc.H.PET	0.467291201	0.1531411902
## ASM_cooc.H.PET	0.246389758	0.0791227603
## Contrast_cooc.H.PET	0.521857306	0.1626100475
## Dissimilarity_cooc.H.PET	0.601319189	0.1818972094
## Inv_diff_cooc.H.PET	0.536944739	0.1577789251
## Inv_diff_norm_cooc.H.PET	0.728950206	0.2329170849
## IDM_cooc.H.PET	0.465142781	0.1283171210
## IDM_norm_cooc.H.PET	0.727835350	0.2312649749
## Inv_var_cooc_.H.PET	0.460432221	0.1734506290
## Correlation_cooc.H.PET	0.489820504	0.2862248412
## Autocorrelation_cooc.H.PET	0.678548600	0.1871611348
## Tendency_cooc.H.PET	0.554132267	0.2935266309
## Shade_cooc.H.PET	-0.239947784	-0.1176189090
## Prominence_cooc.H.PET	0.390224180	0.2569357213
## IC1_d.H.PET	-0.084447219	-0.0665842535
## IC2_d.H.PET	0.575181024	0.2622246044
## Coarseness_vdif.H.PET	0.326752016	0.1116737852
## Contrast_vdif.H.PET	0.199664276	0.1110715576
## Busyness_vdif.H.PET	0.176486026	0.1649668360

## Complexity_vdif.H.PET	0.446028657	0.0750206222
## Strength_vdif.H.PET	-0.043610031	0.0141798588
## SRE_align.H.PET	0.691161593	0.2185526766
## LRE_align.H.PET	0.539967733	0.1367406236
## RLNU_align.H.PET	0.271229270	0.1724519633
## RP_align.H.PET	0.677650934	0.2145392990
## LGRE_align.H.PET	0.348688325	0.1449556524
## HGRE_align.H.PET	0.685210385	0.1889509279
## LGSRE_align.H.PET	0.346995147	0.1438721846
## HGSRE_align.H.PET	0.703390997	0.1800404747
## LGHRE_align.H.PET	0.358962340	0.1498056270
## HGLRE_align.H.PET	0.377339135	0.1120450364
## GLNU_norm_align.H.PET	0.416507440	0.0831575798
## RLNU_norm_align.H.PET	0.632612141	0.1974296396
## GLVAR_align.H.PET	0.559992184	0.2596713647
## RLVAR_align.H.PET	0.293798045	0.0603285303
## Entropy_align.H.PET	0.648078766	0.2687493701
## SZSE.H.PET	0.616738822	0.1822153404
## LZSE.H.PET	0.043035103	-0.1057267290
## LGLZE.H.PET	0.348016481	0.1477087351
## HGLZE.H.PET	0.743984365	0.0942776996
## SZLGE.H.PET	0.344530337	0.1447891058
## SZHGE.H.PET	0.635685768	0.0845312650
## LZLGE.H.PET	0.081701962	-0.0835777875
## LZHGE.H.PET	0.023062023	-0.0601891977
## GLNU_area.H.PET	0.313634211	0.1607789828
## ZSNU.H.PET	0.237925083	0.1669848457
## ZSP.H.PET	0.461210454	0.1374985677
## GLNU_norm.H.PET	0.392068839	0.1169673161
## ZSNU_norm.H.PET	0.503896957	0.1385568240
## GLVAR_area.H.PET	0.565297524	0.2560978159
## ZSVAR.H.PET	0.036112949	-0.0916535962
## Entropy_area.H.PET	0.706289800	0.2833427824
## Max_cooc.W.PET	0.263553294	0.0694655342
## Average_cooc.W.PET	0.346086166	0.2530282639
## Variance_cooc.W.PET	0.181215864	0.1936051715
## Entropy_cooc.W.PET	0.602150949	0.2376078099
## DAVE_cooc.W.PET	0.354339482	0.1683436047
## DVAR_cooc.W.PET	0.192182946	0.1509215084
## DENT_cooc.W.PET	0.585883228	0.2041776350
## SAVE_cooc.W.PET	0.345479764	0.2528356925
## SVAR_cooc.W.PET	0.173421342	0.2067591824
## SENT_cooc.W.PET	0.632745561	0.2361720536
## ASM_cooc.W.PET	0.300167462	0.1138110429
## Contrast_cooc.W.PET	0.185020978	0.1417201118
## Dissimilarity_cooc.W.PET	0.354339482	0.1683436047
## Inv_diff_cooc.W.PET	0.587868370	0.1678277145
## Inv_diff_norm_cooc.W.PET	0.738235120	0.2390318840
## IDM_cooc.W.PET	0.498075400	0.1405326761
## IDM_norm_cooc.W.PET	0.732716488	0.2369328703
## Inv_var_cooc.W.PET	0.550643996	0.1481814325
## Correlation_cooc.W.PET	0.505688176	0.2766689437
## Autocorrelation_cooc.W.PET	0.174730500	0.2521891179
## Tendency_cooc.W.PET	0.173421342	0.2067591824

## Shade_cooc.W.PET	0.067441596	0.1081203231
## Prominence_cooc.W.PET	0.047923138	0.1309406920
## IC1_d.W.PET	-0.075078932	-0.0324349535
## IC2_d.W.PET	0.608571591	0.2257599076
## Coarseness_vdif.W.PET	0.280152156	0.0475418431
## Contrast_vdif.W.PET	0.256144701	0.0938379921
## Busyness_vdif.W.PET	0.263413996	0.1127991946
## Complexity_vdif.W.PET	0.159264945	0.2033138175
## Strength_vdif.W.PET	0.175469790	-0.0070304711
## SRE_align.W.PET	0.713712660	0.2246495015
## LRE_align.W.PET	0.662009602	0.2075036951
## GLNU_align.W.PET	0.338369829	0.1306925851
## RLNU_align.W.PET	0.274647686	0.1666043354
## RP_align.W.PET	0.707620298	0.2225233138
## LGRE_align.W.PET	0.419936579	0.0457703460
## HGRE_align.W.PET	0.177264302	0.2488420272
## LGSRE_align.W.PET	0.444788557	0.0478758586
## HGSRE_align.W.PET	0.173885317	0.2461656461
## LGHRE_align.W.PET	0.308779825	0.0256765873
## HGLRE_align.W.PET	0.190694846	0.2592117359
## GLNU_norm_align.W.PET	0.412583424	0.0856601689
## RLNU_norm_align.W.PET	0.687796416	0.2133456206
## GLVAR_align.W.PET	0.184968588	0.2130366343
## RLVAR_align.W.PET	0.332625405	0.1000044304
## Entropy_align.W.PET	0.645782974	0.2633967342
## SZSE.W.PET	0.680058318	0.2045691301
## LZSE.W.PET	0.107915034	0.0114698539
## LGLZE.W.PET	0.433156026	0.0779796399
## HGLZE.W.PET	0.179183893	0.2460098306
## SZLGE.W.PET	0.486670274	0.0766173653
## SZHGE.W.PET	0.170410212	0.2361946066
## LZLGE.W.PET	0.043268206	-0.0566653271
## LZHGE.W.PET	0.173071134	0.2641135514
## GLNU_area.W.PET	0.336281955	0.1485142238
## ZSNU.W.PET	0.260367813	0.1658808339
## ZSP.W.PET	0.626550695	0.1862189915
## GLNU_norm.W.PET	0.416532578	0.1057407492
## ZSNU_norm.W.PET	0.613787177	0.1582329064
## GLVAR_area.W.PET	0.187908098	0.2128884380
## ZSVAR.W.PET	0.050861581	-0.0210576307
## Entropy_area.W.PET	0.685668635	0.2774229209
## Min_hist.ADC	-0.107612818	0.1260901892
## Max_hist.ADC	0.874825944	0.1888290340
## Mean_hist.ADC	0.637655022	-0.0751519735
## Variance_hist.ADC	0.932848417	-0.0098532628
## Standard_Deviation_hist.ADC	1.000000000	0.0709715537
## Skewness_hist.ADC	0.070971554	1.0000000000
## Kurtosis_hist.ADC	-0.027158033	0.2680096696
## Energy_hist.ADC	0.322870057	0.1428213874
## Entropy_hist.ADC	0.796448063	0.1918269781
## AUC_hist.ADC	0.718985062	0.3885686149
## Volume.ADC	0.351635214	0.2647539940
## X3D_surface.ADC	0.606374474	0.2455100066
## ratio_3ds_vol.ADC	0.313377759	0.1217908487

## ratio_3ds_vol_norm.ADC	0.746544580	0.2198926707
## irregularity.ADC	0.643514697	0.2664637993
## Compactness_v1.ADC	0.485490151	0.1846672020
##	Kurtosis_hist.ADC	Energy_hist.ADC
## Failure	-0.048133649	0.083821650
## Entropy_cooc.W.ADC	0.023599552	-0.059103980
## GLNU_align.H.PET	-0.005532774	0.029024161
## Min_hist.PET	0.166240311	0.099611369
## Max_hist.PET	0.234366594	0.109365131
## Mean_hist.PET	0.192259229	0.095457885
## Variance_hist.PET	0.186328136	0.026873272
## Standard_Deviation_hist.PET	0.257887178	0.135256039
## Skewness_hist.PET	0.216891247	0.292930772
## Kurtosis_hist.PET	0.018032520	0.132809242
## Energy_hist.PET	0.088806348	0.981472663
## Entropy_hist.PET	0.190330614	0.272425911
## AUC_hist.PET	0.269691635	0.497087691
## H_suv.PET	0.235616299	0.239928472
## Volume.PET	0.068999899	-0.171856833
## X3D_surface.PET	0.106731297	0.086517077
## ratio_3ds_vol.PET	0.227665354	0.649366343
## ratio_3ds_vol_norm.PET	0.336798845	0.631474425
## irregularity.PET	0.252743693	0.467818338
## tumor_length.PET	0.262711314	0.305350785
## Compactness_v1.PET	0.108006708	0.911540779
## Compactness_v2.PET	0.028724192	-0.260761482
## Spherical_disproportion.PET	0.336798845	0.631474425
## Sphericity.PET	-0.008706688	-0.405027255
## Asphericity.PET	0.333984225	0.629469651
## Center_of_mass.PET	0.210699247	0.154460462
## Max_3D_diam.PET	0.156189342	-0.170497236
## Major_axis_length.PET	0.184505456	-0.033662100
## Minor_axis_length.PET	0.232423577	0.125564109
## Least_axis_length.PET	0.191644108	0.003653650
## Elongation.PET	0.204651580	0.490895455
## Flatness.PET	0.158483878	0.383964963
## Max_cooc.L.PET	0.110346794	0.989199535
## Average_cooc.L.PET	0.160387723	0.378305158
## Variance_cooc.L.PET	0.127846498	0.349843324
## Entropy_cooc.L.PET	0.276652126	0.379231475
## DAVE_cooc.L.PET	0.141995627	0.385796373
## DVAR_cooc.L.PET	0.172641415	0.418353508
## DENT_cooc.L.PET	0.249186571	0.425045682
## SAVE_cooc.L.PET	0.160328884	0.377238566
## SVAR_cooc.L.PET	0.157020613	0.332467412
## SENT_cooc.L.PET	0.279031954	0.505487508
## ASM_cooc.L.PET	0.103723543	0.993051920
## Contrast_cooc.L.PET	0.064283087	0.330067995
## Dissimilarity_cooc.L.PET	0.141995627	0.385796373
## Inv_diff_cooc.L.PET	0.267446441	0.522648407
## Inv_diff_norm_cooc.L.PET	0.280822084	0.453768864
## IDM_cooc.L.PET	0.243003754	0.573265079
## IDM_norm_cooc.L.PET	0.277898508	0.453612613
## Inv_var_cooc.L.PET	0.250345958	0.569996830

## Correlation_cooc.L.PET	0.282858019	0.300348630	0.672670429
## Autocorrelation_cooc.L.PET	0.077029010	0.325097437	0.498930670
## Tendency_cooc.L.PET	0.157020613	0.332467412	0.530405417
## Shade_cooc.L.PET	0.226684730	0.123773829	0.267273909
## Prominence_cooc.L.PET	0.131771020	0.271398994	0.331002748
## IC1_.L.PET	-0.064983526	0.018773729	-0.222216166
## IC2_.L.PET	0.259292417	0.538206449	0.791712022
## Coarseness_vdif_.L.PET	0.086427387	0.928672505	0.357029345
## Contrast_vdif_.L.PET	-0.040626327	0.236966941	0.124245336
## Busyness_vdif_.L.PET	0.123225042	-0.064522162	0.391307066
## Complexity_vdif_.L.PET	0.146803463	0.443272995	0.606999526
## Strength_vdif_.L.PET	0.024618592	0.321480607	0.167075052
## SRE_align.L.PET	0.269228244	0.463512758	0.946886709
## LRE_align.L.PET	0.281629739	0.440829288	0.953681999
## GLNU_align.L.PET	0.155772107	-0.055081174	0.338670877
## RLNU_align.L.PET	0.132208905	-0.107854714	0.311991764
## RP_align.L.PET	0.268613640	0.464010915	0.945622284
## LGRE_align.L.PET	0.184247637	0.654398663	0.582157428
## HGRE_align.L.PET	0.087002318	0.336612290	0.518812259
## LGSRE_align.L.PET	0.185684244	0.665160999	0.585432946
## HGSRE_align.L.PET	0.085678735	0.338171032	0.516036855
## LGHRE_align.L.PET	0.177254231	0.610049351	0.566116129
## HGLRE_align.L.PET	0.093109033	0.328924467	0.528612691
## GLNU_norm_align.L.PET	0.163286261	0.893338167	0.615090240
## RLNU_norm_align.L.PET	0.266323897	0.466491869	0.940579144
## GLVAR_align.L.PET	0.130841214	0.354872560	0.548056397
## RLVAR_align.L.PET	0.206978868	0.805618832	0.627221361
## Entropy_align.L.PET	0.277776810	0.394393068	0.940785281
## SZSE.L.PET	0.246467517	0.468941582	0.924017814
## LZSE.L.PET	0.255411810	0.270942871	0.680483510
## LGLZE.L.PET	0.187433360	0.666791929	0.593768915
## HGLZE.L.PET	0.092146152	0.338430440	0.528482377
## SZLGE.L.PET	0.182111577	0.698679066	0.599129468
## SZHGE.L.PET	0.082305640	0.344649266	0.524351306
## LZLGE.L.PET	0.159086792	0.467999044	0.489709964
## LZHGE.L.PET	0.122650245	0.244652314	0.435444971
## GLNU_area.L.PET	0.146470348	-0.061769178	0.340615850
## ZSNU.L.PET	0.114747904	-0.117293512	0.312734498
## ZSP.L.PET	0.245372898	0.467925238	0.925643081
## GLNU_norm.L.PET	0.163254612	0.896871310	0.616043532
## ZSNU_norm.L.PET	0.242168620	0.470613608	0.921441253
## GLVAR_area.L.PET	0.137923222	0.362174224	0.559353992
## ZSVAR.L.PET	0.219050352	0.317298076	0.481921125
## Entropy_area.L.PET	0.286990437	0.390360995	0.946919446
## Max_cooc.H.PET	0.034640822	0.420215637	0.217873083
## Average_cooc.H.PET	0.238681814	0.438667316	0.907711272
## Variance_cooc.H.PET	0.251224555	0.316831588	0.844668163
## Entropy_cooc.H.PET	0.286755574	0.279091406	0.786433156
## DAVE_cooc.H.PET	0.207820623	0.356533084	0.836823014
## DVAR_cooc.H.PET	0.175843523	0.368716833	0.807632155
## DENT_cooc.H.PET	0.159031202	0.191516732	0.819159452
## SAVE_cooc.H.PET	0.238790097	0.418014936	0.928161059
## SVAR_cooc.H.PET	0.193631451	0.316096130	0.872187850
## SENT_cooc.H.PET	0.299168393	0.585823628	0.676668743

## ASM_cooc.H.PET	0.011184706	0.513798360	0.198284011
## Contrast_cooc.H.PET	0.154937934	0.328544932	0.738897838
## Dissimilarity_cooc.H.PET	0.207820623	0.356533084	0.836823014
## Inv_diff_cooc.H.PET	0.143862605	0.473795608	0.601843657
## Inv_diff_norm_cooc.H.PET	0.275573558	0.469809841	0.945559342
## IDM_cooc.H.PET	0.103336384	0.448238847	0.495667191
## IDM_norm_cooc.H.PET	0.276422414	0.461962872	0.949710455
## Inv_var_cooc_.H.PET	0.239300719	0.878074698	0.551304584
## Correlation_cooc.H.PET	0.293582190	0.298813432	0.683839825
## Autocorrelation_cooc.H.PET	0.209515464	0.439833254	0.839725520
## Tendency_cooc.H.PET	0.280772697	0.282041361	0.826273104
## Shade_cooc.H.PET	-0.007034910	-0.170364973	-0.416808020
## Prominence_cooc.H.PET	0.228232921	0.162727902	0.641252769
## IC1_d.H.PET	-0.099714394	0.368482868	-0.143806484
## IC2_d.H.PET	0.317217682	0.355861457	0.777004005
## Coarseness_vdif.H.PET	0.099714023	0.991857603	0.351991300
## Contrast_vdif.H.PET	-0.043172581	0.291438913	0.173003708
## Busyness_vdif.H.PET	-0.034782563	-0.402765143	0.156299073
## Complexity_vdif.H.PET	0.189166167	0.674269190	0.593350748
## Strength_vdif.H.PET	-0.030922022	0.135914127	-0.054571821
## SRE_align.H.PET	0.278161760	0.435798213	0.932121984
## LRE_align.H.PET	0.129697393	0.326885710	0.590661070
## RLNU_align.H.PET	0.136528133	-0.095839026	0.308683444
## RP_align.H.PET	0.274874390	0.430693764	0.920040215
## LGRE_align.H.PET	0.112543619	0.987513514	0.389535780
## HGRE_align.H.PET	0.215842022	0.433794495	0.845893026
## LGSRE_align.H.PET	0.111643886	0.987747780	0.386905449
## HGSRE_align.H.PET	0.247773733	0.428992115	0.897142650
## LGHRE_align.H.PET	0.116947518	0.986519555	0.403629445
## HGLRE_align.H.PET	0.058367247	0.258112197	0.387086106
## GLNU_norm_align.H.PET	0.055927130	0.467730660	0.411975565
## RLNU_norm_align.H.PET	0.268930708	0.401761775	0.876304774
## GLVAR_align.H.PET	0.242681635	0.291950727	0.822271432
## RLVAR_align.H.PET	0.035282442	0.218896591	0.260067496
## Entropy_align.H.PET	0.306802354	0.307537225	0.904733675
## SZSE.H.PET	0.258624891	0.363651861	0.848410624
## LZSE.H.PET	-0.060598193	-0.062386306	-0.035689424
## LGLZE.H.PET	0.112177518	0.985602297	0.390678155
## HGLZE.H.PET	0.186886099	0.358410754	0.844598621
## SZLGE.H.PET	0.109221612	0.986391687	0.383933960
## SZHGE.H.PET	0.228529886	0.315249046	0.809880937
## LZLGE.H.PET	-0.033064677	0.070882272	0.017679031
## LZHGE.H.PET	-0.050102733	-0.014929395	-0.050461155
## GLNU_area.H.PET	0.117533202	-0.112362780	0.345614195
## ZSNU.H.PET	0.107381535	-0.101208109	0.273108135
## ZSP.H.PET	0.205654328	0.251772270	0.674045741
## GLNU_norm.H.PET	0.068445847	0.476135963	0.417442187
## ZSNU_norm.H.PET	0.233031175	0.294575135	0.729263395
## GLVAR_area.H.PET	0.228042895	0.278165086	0.811400987
## ZSVAR_H.PET	-0.051097268	-0.038329015	-0.041518098
## Entropy_area.H.PET	0.305672447	0.350996118	0.942569157
## Max_cooc.W.PET	0.046313842	0.643376469	0.244802012
## Average_cooc.W.PET	0.226198763	0.109530248	0.558550142
## Variance_cooc.W.PET	0.179431741	0.036439560	0.295586386

## Entropy_cooc.W.PET	0.295262486	0.278061281	0.860375819
## DAVE_cooc.W.PET	0.216398607	0.146138598	0.561227275
## DVAR_cooc.W.PET	0.158564361	0.037972840	0.315490944
## DENT_cooc.W.PET	0.283719680	0.292960932	0.835177229
## SAVE_cooc.W.PET	0.226039507	0.107514800	0.557946375
## SVAR_cooc.W.PET	0.185503004	0.033929221	0.275757770
## SENT_cooc.W.PET	0.317656931	0.404302317	0.885349717
## ASM_cooc.W.PET	0.053946774	0.816911214	0.282004735
## Contrast_cooc.W.PET	0.147381639	0.038505419	0.320659301
## Dissimilarity_cooc.W.PET	0.216398607	0.146138598	0.561227275
## Inv_diff_cooc.W.PET	0.148934966	0.491567801	0.678492319
## Inv_diff_norm_cooc.W.PET	0.279972672	0.456021005	0.957017092
## IDM_cooc.W.PET	0.102552970	0.460867436	0.542972303
## IDM_norm_cooc.W.PET	0.277587457	0.454630359	0.955887774
## Inv_var_cooc.W.PET	0.129309994	0.493012042	0.615594014
## Correlation_cooc.W.PET	0.284727344	0.297767098	0.674605985
## Autocorrelation_cooc.W.PET	0.173748990	-0.003487047	0.304068823
## Tendency_cooc.W.PET	0.185503004	0.033929221	0.275757770
## Shade_cooc.W.PET	0.105577329	0.037642968	0.062481967
## Prominence_cooc.W.PET	0.078568914	0.011092874	0.030961995
## IC1_d.W.PET	-0.114508153	0.430223737	-0.151132613
## IC2_d.W.PET	0.323867756	0.419300840	0.817403857
## Coarseness_vdif.W.PET	0.054469680	0.860162256	0.313001016
## Contrast_vdif.W.PET	0.123991570	0.281290854	0.441313324
## Busyness_vdif.W.PET	-0.009183698	-0.072600651	0.217462918
## Complexity_vdif.W.PET	0.162327976	0.019970445	0.206801877
## Strength_vdif.W.PET	0.081125637	0.189103585	0.231527816
## SRE_align.W.PET	0.277903441	0.450756796	0.947861558
## LRE_align.W.PET	0.209803896	0.420578690	0.811813158
## GLNU_align.W.PET	0.104003937	-0.105937044	0.343830891
## RLNU_align.W.PET	0.138961129	-0.097446995	0.310489199
## RP_align.W.PET	0.277985431	0.447443400	0.944136263
## LGRE_align.W.PET	0.077412287	0.443995350	0.403071390
## HGRE_align.W.PET	0.179963644	-0.010504228	0.306383148
## LGSRE_align.W.PET	0.089445844	0.473936603	0.437354675
## HGSRE_align.W.PET	0.178173820	-0.011763455	0.301294480
## LGHRE_align.W.PET	0.029083188	0.308651969	0.255948453
## HGLRE_align.W.PET	0.187722302	-0.005601858	0.326611964
## GLNU_norm_align.W.PET	0.060346056	0.567378044	0.407278256
## RLNU_norm_align.W.PET	0.281388948	0.432649279	0.929321358
## GLVAR_align.W.PET	0.187513553	0.024652045	0.300689862
## RLVAR_align.W.PET	0.052952682	0.362478156	0.314380701
## Entropy_align.W.PET	0.303125556	0.308703378	0.903877370
## SZSE.W.PET	0.264386892	0.426462023	0.910577543
## LZSE.W.PET	0.027523102	0.114218220	0.086624652
## LGLZE.W.PET	0.097497280	0.466648593	0.432865820
## HGLZE.W.PET	0.181602789	-0.008999058	0.308600051
## SZLGE.W.PET	0.135352464	0.546618931	0.510814594
## SZHGE.W.PET	0.168930527	-0.011792236	0.294247150
## LZLGE.W.PET	-0.046578490	0.031809177	-0.028817071
## LZHGE.W.PET	0.265974455	0.040844475	0.336055181
## GLNU_area.W.PET	0.109482470	-0.108441506	0.353857910
## ZSNU.W.PET	0.122056999	-0.097294149	0.295263217
## ZSP.W.PET	0.244582938	0.365934805	0.854645401

## GLNU_norm.W.PET	0.067905530	0.585104839	0.425944923
## ZSNU_norm.W.PET	0.261077622	0.370643207	0.846822296
## GLVAR_area.W.PET	0.192515174	0.029636913	0.304301982
## ZSVAR.W.PET	0.008759966	0.074697251	0.009695981
## Entropy_area.W.PET	0.307120342	0.337420987	0.934967321
## Min_hist.ADC	0.074097782	0.250976273	0.141405077
## Max_hist.ADC	0.284436519	0.330951114	0.925817346
## Mean_hist.ADC	0.254929150	0.363782466	0.803960459
## Variance_hist.ADC	-0.158263150	0.229463585	0.564709905
## Standard_Deviation_hist.ADC	-0.027158033	0.322870057	0.796448063
## Skewness_hist.ADC	0.268009670	0.142821387	0.191826978
## Kurtosis_hist.ADC	1.000000000	0.105375870	0.249264791
## Energy_hist.ADC	0.105375870	1.000000000	0.351668566
## Entropy_hist.ADC	0.249264791	0.351668566	1.000000000
## AUC_hist.ADC	0.293381385	0.462919705	0.936565250
## Volume.ADC	0.060179396	-0.179469666	0.383662424
## X3D_surface.ADC	0.179018413	0.040006993	0.586983219
## ratio_3ds_vol.ADC	0.059938060	0.542419780	0.414238285
## ratio_3ds_vol_norm.ADC	0.245745118	0.349675251	0.921920008
## irregularity.ADC	0.228783826	0.487599559	0.842480054
## Compactness_v1.ADC	0.177841989	0.942832813	0.601785891
##	AUC_hist.ADC	Volume.ADC	X3D_surface.ADC
## Failure	-1.019534e-05	-0.131876806	-0.2027498620
## Entropy_cooc.W.ADC	3.055174e-02	0.097170014	0.2646027604
## GLNU_align.H.PET	-2.906271e-02	0.112978457	0.2165523335
## Min_hist.PET	5.265655e-01	0.347484769	0.2849254395
## Max_hist.PET	5.593282e-01	0.470126324	0.3853260654
## Mean_hist.PET	5.401826e-01	0.387463455	0.3189685469
## Variance_hist.PET	2.926237e-01	0.299595113	0.2144343843
## Standard_Deviation_hist.PET	5.573881e-01	0.370043786	0.3486487153
## Skewness_hist.PET	4.826272e-01	0.126165014	0.2499303913
## Kurtosis_hist.PET	1.293619e-01	0.144877554	0.1697525762
## Energy_hist.PET	4.488323e-01	-0.216985853	0.0313783228
## Entropy_hist.PET	8.578253e-01	0.547763687	0.5443955671
## AUC_hist.PET	9.759292e-01	0.320605819	0.4439317219
## H_suv.PET	5.954468e-01	0.272963572	0.3676725134
## Volume.PET	3.952732e-01	0.975462522	0.6191208598
## X3D_surface.PET	2.361773e-01	0.397757251	0.3521683203
## ratio_3ds_vol.PET	5.237002e-01	-0.272042918	-0.0158535590
## ratio_3ds_vol_norm.PET	5.712582e-01	-0.048099872	0.2383484493
## irregularity.PET	9.264725e-01	0.190200583	0.3192684764
## tumor_length.PET	6.041579e-01	0.378534996	0.4779921945
## Compactness_v1.PET	5.732400e-01	0.051712450	0.2078447109
## Compactness_v2.PET	2.428236e-01	0.487920717	0.2569599284
## Spherical_disproportion.PET	5.712582e-01	-0.048099872	0.2383484493
## Sphericity.PET	2.456675e-01	0.551765259	0.2875294348
## Asphericity.PET	5.499152e-01	-0.059733593	0.2286844052
## Center_of_mass.PET	3.818201e-01	0.345048417	0.3770560876
## Max_3D_diam.PET	4.869579e-01	0.765283122	0.5080438347
## Major_axis_length.PET	5.300900e-01	0.728965598	0.5050823788
## Minor_axis_length.PET	6.840986e-01	0.653583738	0.6218813344
## Least_axis_length.PET	5.954642e-01	0.683440902	0.6063196215
## Elongation.PET	8.269561e-01	0.111155944	0.3386450729
## Flatness.PET	7.859793e-01	0.153857614	0.3668589660

## Max_cooc.L.PET	4.772234e-01	-0.161373058	0.0855929888
## Average_cooc.L.PET	7.986853e-01	0.082711084	0.1925688536
## Variance_cooc.L.PET	6.067296e-01	-0.178508594	-0.0130750635
## Entropy_cooc.L.PET	9.635887e-01	0.335086594	0.4378905907
## DAVE_cooc.L.PET	7.239319e-01	-0.039393016	0.1027026371
## DVAR_cooc.L.PET	6.331020e-01	-0.100054491	0.0348906559
## DENT_cooc.L.PET	9.427080e-01	0.219637379	0.3432312931
## SAVE_cooc.L.PET	7.984753e-01	0.082956723	0.1925512559
## SVAR_cooc.L.PET	6.165551e-01	-0.155236398	0.0088171067
## SENT_cooc.L.PET	9.514492e-01	0.211207088	0.3553955090
## ASM_cooc.L.PET	4.523203e-01	-0.162797899	0.0855642443
## Contrast_cooc.L.PET	5.093693e-01	-0.191401863	-0.0461092697
## Dissimilarity_cooc.L.PET	7.239319e-01	-0.039393016	0.1027026371
## Inv_diff_cooc.L.PET	8.446453e-01	0.402880241	0.4955344663
## Inv_diff_norm_cooc.L.PET	9.734727e-01	0.356463967	0.4569749079
## IDM_cooc.L.PET	7.595750e-01	0.365890624	0.4667325920
## IDM_norm_cooc.L.PET	9.762717e-01	0.340747212	0.4441934910
## Inv_var_cooc.L.PET	7.644135e-01	0.378283266	0.4838052390
## Correlation_cooc.L.PET	6.493212e-01	0.332452866	0.3931371603
## Autocorrelation_cooc.L.PET	5.964870e-01	-0.074746372	0.0381372066
## Tendency_cooc.L.PET	6.165551e-01	-0.155236398	0.0088171067
## Shade_cooc.L.PET	2.612729e-01	-0.139094852	-0.0010215917
## Prominence_cooc.L.PET	4.080223e-01	-0.300055042	-0.1218792939
## IC1_.L.PET	-2.892924e-01	0.195560063	0.1828526314
## IC2_.L.PET	8.516144e-01	0.023575264	0.1882194826
## Coarseness_vdif_.L.PET	4.683128e-01	-0.274345209	-0.0418395763
## Contrast_vdif_.L.PET	2.060916e-01	-0.210763995	-0.1454784943
## Busyness_vdif_.L.PET	3.628229e-01	0.733334834	0.5516487824
## Complexity_vdif_.L.PET	6.786091e-01	-0.080174261	0.0980887538
## Strength_vdif_.L.PET	2.402342e-01	-0.313251815	-0.2109439135
## SRE_align.L.PET	9.756102e-01	0.303497612	0.4164371550
## LRE_align.L.PET	9.696074e-01	0.353074775	0.4495817814
## GLNU_align.L.PET	2.952883e-01	0.666755833	0.4714161831
## RLNU_align.L.PET	2.754289e-01	0.662780070	0.4784992312
## RP_align.L.PET	9.750860e-01	0.298961639	0.4131215386
## LGRE_align.L.PET	6.000749e-01	0.038660959	0.2164072131
## HGRE_align.L.PET	6.188618e-01	-0.055549291	0.0604359450
## LGSRE_align.L.PET	6.055909e-01	0.033899017	0.2161781409
## HGSRE_align.L.PET	6.167145e-01	-0.060529658	0.0562665286
## LGHRE_align.L.PET	5.750550e-01	0.057731266	0.2163394133
## HGLRE_align.L.PET	6.256062e-01	-0.035618759	0.0773067031
## GLNU_norm_align.L.PET	6.677549e-01	0.009754547	0.2211414809
## RLNU_norm_align.L.PET	9.726347e-01	0.283377723	0.4016223384
## GLVAR_align.L.PET	6.424590e-01	-0.139919839	0.0268985433
## RLVAR_align.L.PET	6.535039e-01	0.190813108	0.3448887457
## Entropy_align.L.PET	9.680659e-01	0.332672826	0.4326998706
## SZSE.L.PET	9.567839e-01	0.295309298	0.4084843980
## LZSE.L.PET	6.705135e-01	0.262300307	0.3285681961
## LGLZE.L.PET	6.120842e-01	0.047668420	0.2241807580
## HGLZE.L.PET	6.271051e-01	-0.054210015	0.0628550779
## SZLGE.L.PET	6.242117e-01	0.041740525	0.2259810908
## SZHGE.L.PET	6.218794e-01	-0.053304747	0.0634371350
## LZLGE.L.PET	4.733993e-01	0.083959325	0.2045705651
## LZHGE.L.PET	5.153083e-01	-0.048305706	0.0557656827

## GLNU_area.L.PET	2.983263e-01	0.677876714	0.4810773390
## ZSNU.L.PET	2.780394e-01	0.670727261	0.4848970336
## ZSP.L.PET	9.605243e-01	0.279682260	0.3964935849
## GLNU_norm.L.PET	6.686305e-01	0.011429812	0.2237344362
## ZSNU_norm.L.PET	9.588330e-01	0.243982777	0.3747108467
## GLVAR_area.L.PET	6.527428e-01	-0.133954896	0.0320208629
## ZSVAR.L.PET	4.523457e-01	0.259778784	0.3204058260
## Entropy_area.L.PET	9.698891e-01	0.353760633	0.4480755372
## Max_cooc.H.PET	2.682908e-01	-0.158407707	-0.0472962157
## Average_cooc.H.PET	9.382302e-01	0.249269185	0.3579955642
## Variance_cooc.H.PET	8.662278e-01	0.396098270	0.4436002033
## Entropy_cooc.H.PET	8.236062e-01	0.320465334	0.3587134757
## DAVE_cooc.H.PET	8.720729e-01	0.294118449	0.3748204091
## DVAR_cooc.H.PET	8.560235e-01	0.288704773	0.3545279925
## DENT_cooc.H.PET	7.420299e-01	0.417311522	0.4768466075
## SAVE_cooc.H.PET	9.438849e-01	0.289424149	0.4003779584
## SVAR_cooc.H.PET	8.413356e-01	0.455011697	0.5195856932
## SENT_cooc.H.PET	6.837225e-01	0.018959077	0.2521280440
## ASM_cooc.H.PET	2.713849e-01	-0.164939031	-0.0455987825
## Contrast_cooc.H.PET	7.851363e-01	0.252695195	0.3201368953
## Dissimilarity_cooc.H.PET	8.720729e-01	0.294118449	0.3748204091
## Inv_diff_cooc.H.PET	6.390709e-01	0.076465182	0.1979105913
## Inv_diff_norm_cooc.H.PET	9.702867e-01	0.307740644	0.4205942108
## IDM_cooc.H.PET	5.346263e-01	0.019654703	0.1374051793
## IDM_norm_cooc.H.PET	9.739101e-01	0.313831562	0.4249242547
## Inv_var_cooc.H.PET	5.999644e-01	0.001836996	0.2172767564
## Correlation_cooc.H.PET	6.623263e-01	0.347585860	0.4029553378
## Autocorrelation_cooc.H.PET	8.751578e-01	0.188435817	0.2963383093
## Tendency_cooc.H.PET	8.325621e-01	0.438194379	0.4706422734
## Shade_cooc.H.PET	-4.265894e-01	-0.203229297	-0.1585813160
## Prominence_cooc.H.PET	6.324493e-01	0.450191214	0.4329301461
## IC1_d.H.PET	-8.404178e-02	-0.202062850	-0.1236251619
## IC2_d.H.PET	7.693221e-01	0.335681667	0.4100342491
## Coarseness_vdif.H.PET	4.438196e-01	-0.196310523	0.0554795983
## Contrast_vdif.H.PET	2.786802e-01	-0.117674452	-0.1049929741
## Busyness_vdif.H.PET	1.946598e-01	0.670446101	0.4648309683
## Complexity_vdif.H.PET	6.371897e-01	-0.161898334	0.0943340019
## Strength_vdif.H.PET	1.426023e-02	-0.152703129	-0.1327765500
## SRE_align.H.PET	9.562412e-01	0.325698052	0.4278462768
## LRE_align.H.PET	6.012580e-01	0.133759414	0.2174150804
## RLNU_align.H.PET	2.755824e-01	0.668297284	0.4667409229
## RP_align.H.PET	9.453077e-01	0.319023208	0.4189428055
## LGRE_align.H.PET	4.746269e-01	-0.136339763	0.1037352034
## HGRE_align.H.PET	8.829595e-01	0.223447538	0.3242205556
## LGSRE_align.H.PET	4.721304e-01	-0.138621248	0.1017146052
## HGSRE_align.H.PET	9.302393e-01	0.263089395	0.3623082986
## LGHRE_align.H.PET	4.876827e-01	-0.124804181	0.1149604065
## HGLRE_align.H.PET	4.095691e-01	0.034852422	0.1181703853
## GLNU_norm_align.H.PET	4.723411e-01	-0.082529623	0.0398537928
## RLNU_norm_align.H.PET	8.991927e-01	0.310819852	0.4047406994
## GLVAR_align.H.PET	8.355505e-01	0.407043132	0.4471066140
## RLVAR_align.H.PET	2.593631e-01	0.008980953	0.1029952125
## Entropy_align.H.PET	9.006291e-01	0.448956139	0.5001703792
## SZSE.H.PET	8.497056e-01	0.342325029	0.4380066021

## LZSE.H.PET	-8.184794e-02	-0.069793396	-0.0147445921
## LGLZE.H.PET	4.757940e-01	-0.134843595	0.1042604272
## HGLZE.H.PET	8.214065e-01	0.262101861	0.3772101830
## SZLGE.H.PET	4.691204e-01	-0.140313446	0.0996226824
## SZHGE.H.PET	8.006394e-01	0.272763564	0.3754331061
## LZLGE.H.PET	-1.664797e-02	-0.084483387	0.0091850428
## LZHGE.H.PET	-6.736716e-02	-0.095911482	-0.0457875075
## GLNU_area.H.PET	3.172319e-01	0.698344118	0.5173390753
## ZSNU.H.PET	2.424317e-01	0.649681744	0.4231957442
## ZSP.H.PET	6.726388e-01	0.300190021	0.3493851712
## GLNU_norm.H.PET	4.904030e-01	-0.097476213	0.0256295873
## ZSNU_norm.H.PET	7.217127e-01	0.294565887	0.3818919139
## GLVAR_area.H.PET	8.148927e-01	0.419927124	0.4514335854
## ZSVAR.H.PET	-7.736348e-02	-0.080718065	-0.0260028194
## Entropy_area.H.PET	9.440691e-01	0.451517898	0.5109270878
## Max_cooc.W.PET	3.254915e-01	-0.185882234	-0.0262102918
## Average_cooc.W.PET	5.537187e-01	0.402289155	0.3451781311
## Variance_cooc.W.PET	2.879659e-01	0.264817040	0.1961532503
## Entropy_cooc.W.PET	8.583142e-01	0.421712454	0.4666188441
## DAVE_cooc.W.PET	5.626333e-01	0.294476509	0.2915732075
## DVAR_cooc.W.PET	3.151242e-01	0.234343942	0.1767590204
## DENT_cooc.W.PET	8.382404e-01	0.367564675	0.4267462534
## SAVE_cooc.W.PET	5.529387e-01	0.402729744	0.3450915105
## SVAR_cooc.W.PET	2.647371e-01	0.272389568	0.2012241216
## SENT_cooc.W.PET	8.912470e-01	0.339108859	0.4394285781
## ASM_cooc.W.PET	3.767116e-01	-0.197903362	-0.0009875281
## Contrast_cooc.W.PET	3.225148e-01	0.221554986	0.1652576963
## Dissimilarity_cooc.W.PET	5.626333e-01	0.294476509	0.2915732075
## Inv_diff_cooc.W.PET	7.204323e-01	0.111304662	0.2411131002
## Inv_diff_norm_cooc.W.PET	9.734439e-01	0.352141176	0.4534739018
## IDM_cooc.W.PET	5.867536e-01	0.042271213	0.1645910956
## IDM_norm_cooc.W.PET	9.762999e-01	0.338859061	0.4427663522
## Inv_var_cooc.W.PET	6.575141e-01	0.074029932	0.2075932591
## Correlation_cooc.W.PET	6.494647e-01	0.336108211	0.3974459481
## Autocorrelation_cooc.W.PET	2.986322e-01	0.360413601	0.2330670397
## Tendency_cooc.W.PET	2.647371e-01	0.272389568	0.2012241216
## Shade_cooc.W.PET	5.955744e-02	0.097224108	0.0594697076
## Prominence_cooc.W.PET	3.450168e-02	0.130717038	0.0442562937
## IC1_d.W.PET	-9.250094e-02	-0.156989469	-0.0808565013
## IC2_d.W.PET	8.245144e-01	0.261492379	0.3680567250
## Coarseness_vdif.W.PET	4.336924e-01	-0.291131655	-0.0855910793
## Contrast_vdif.W.PET	4.824309e-01	0.002893692	0.0923432060
## Busyness_vdif.W.PET	2.370156e-01	0.222044480	0.2121975161
## Complexity_vdif.W.PET	2.009854e-01	0.314340659	0.1738883769
## Strength_vdif.W.PET	2.283571e-01	-0.119399391	-0.0419437254
## SRE_align.W.PET	9.727450e-01	0.322316935	0.4291212781
## LRE_align.W.PET	8.361789e-01	0.227516787	0.3400881495
## GLNU_align.W.PET	3.011057e-01	0.629991993	0.4963041053
## RLNU_align.W.PET	2.757091e-01	0.665655967	0.4708879704
## RP_align.W.PET	9.691121e-01	0.321567707	0.4270348628
## LGRE_align.W.PET	4.489634e-01	-0.099106569	0.0438242167
## HGRE_align.W.PET	3.014598e-01	0.373023225	0.2409901983
## LGSRE_align.W.PET	4.853256e-01	-0.097624783	0.0566178620
## HGSRE_align.W.PET	2.967559e-01	0.368728701	0.2357561488

## LGHRE_align.W.PET	2.876417e-01	-0.103063918	-0.0006935942
## HGLRE_align.W.PET	3.199982e-01	0.389076189	0.2618067857
## GLNU_norm_align.W.PET	4.775371e-01	-0.112026364	0.0340321791
## RLNU_norm_align.W.PET	9.523959e-01	0.321853032	0.4243937095
## GLVAR_align.W.PET	2.924788e-01	0.301571339	0.2152021083
## RLVAR_align.W.PET	3.373422e-01	-0.017861890	0.0983809888
## Entropy_align.W.PET	9.027858e-01	0.444099594	0.4942393136
## SZSE.W.PET	9.288705e-01	0.341978149	0.4397298810
## LZSE.W.PET	1.011286e-01	-0.110825654	-0.0422907120
## LGLZE.W.PET	4.780219e-01	-0.095827139	0.0599888517
## HGLZE.W.PET	3.037913e-01	0.371387112	0.2376658967
## SZLGE.W.PET	5.542574e-01	-0.077013825	0.1088619146
## SZHGE.W.PET	2.899645e-01	0.360759698	0.2216026746
## LZLGE.W.PET	-2.990285e-02	-0.122048594	-0.0788574368
## LZHGE.W.PET	3.380733e-01	0.293461483	0.2509383046
## GLNU_area.W.PET	3.170980e-01	0.672283023	0.5175056414
## ZSNU.W.PET	2.628792e-01	0.664968207	0.4526370862
## ZSP.W.PET	8.645795e-01	0.344817845	0.4256629205
## GLNU_norm.W.PET	4.995082e-01	-0.118320888	0.0336477736
## ZSNU_norm.W.PET	8.554448e-01	0.325935786	0.4151237523
## GLVAR_area.W.PET	2.959366e-01	0.302437901	0.2155809392
## ZSVAR.W.PET	1.615969e-02	-0.128767287	-0.0652793906
## Entropy_area.W.PET	9.366725e-01	0.444185889	0.5030879740
## Min_hist.ADC	2.866549e-01	-0.041571052	-0.3207663536
## Max_hist.ADC	8.817439e-01	0.407541840	0.6574952330
## Mean_hist.ADC	7.962204e-01	0.218789759	0.2665967694
## Variance_hist.ADC	4.507586e-01	0.292830143	0.5775087054
## Standard_Deviation_hist.ADC	7.189851e-01	0.351635214	0.6063744736
## Skewness_hist.ADC	3.885686e-01	0.264753994	0.2455100066
## Kurtosis_hist.ADC	2.933814e-01	0.060179396	0.1790184133
## Energy_hist.ADC	4.629197e-01	-0.179469666	0.0400069926
## Entropy_hist.ADC	9.365652e-01	0.383662424	0.5869832189
## AUC_hist.ADC	1.000000e+00	0.383842285	0.5169683225
## Volume.ADC	3.838423e-01	1.000000000	0.6293236411
## X3D_surface.ADC	5.169683e-01	0.629323641	1.0000000000
## ratio_3ds_vol.ADC	5.990113e-01	-0.051944310	-0.2101681392
## ratio_3ds_vol_norm.ADC	9.366639e-01	0.494369268	0.5609701284
## irregularity.ADC	9.355037e-01	0.235651691	0.2559814827
## Compactness_v1.ADC	6.860774e-01	-0.097454369	0.1451803673
##	ratio_3ds_vol.ADC	ratio_3ds_vol_norm.ADC	
## Failure	0.2147901905		-0.05065018
## Entropy_cooc.W.ADC	-0.2298464511		0.07014422
## GLNU_align.H.PET	-0.2262413052		-0.03482347
## Min_hist.PET	0.2415827759		0.50778399
## Max_hist.PET	0.1925412266		0.54810318
## Mean_hist.PET	0.2186128926		0.51003144
## Variance_hist.PET	0.0472288985		0.25209590
## Standard_Deviation_hist.PET	0.2097357262		0.52167878
## Skewness_hist.PET	0.3575448304		0.55151237
## Kurtosis_hist.PET	0.0393223743		0.20580615
## Energy_hist.PET	0.5283292817		0.34605196
## Entropy_hist.PET	0.4479903608		0.89160978
## AUC_hist.PET	0.6537282954		0.94084677
## H_suv.PET	0.2670139651		0.53011431

## Volume.PET	-0.0294879173	0.50708349
## X3D_surface.PET	-0.0412367824	0.26732348
## ratio_3ds_vol.PET	0.6075347686	0.45679079
## ratio_3ds_vol_norm.PET	0.3983759687	0.48336839
## irregularity.PET	0.7030668820	0.89424048
## tumor_length.PET	0.2012504150	0.58017540
## Compactness_v1.PET	0.4927090779	0.48220993
## Compactness_v2.PET	0.0185701110	0.26689866
## Spherical_disproportion.PET	0.3983759687	0.48336839
## Sphericity.PET	0.0088688629	0.30696781
## Asphericity.PET	0.3845770771	0.46149478
## Center_of_mass.PET	0.1093855514	0.40367977
## Max_3D_diam.PET	0.0959527394	0.55539477
## Major_axis_length.PET	0.1506414737	0.56989955
## Minor_axis_length.PET	0.1926168763	0.71134290
## Least_axis_length.PET	0.1023930356	0.62366504
## Elongation.PET	0.5564386454	0.78171031
## Flatness.PET	0.4636325856	0.72443539
## Max_cooc.L.PET	0.4972221781	0.37802287
## Average_cooc.L.PET	0.6416224176	0.69913107
## Variance_cooc.L.PET	0.6516290870	0.52358187
## Entropy_cooc.L.PET	0.6021909624	0.91686296
## DAVE_cooc.L.PET	0.6792215064	0.65505523
## DVAR_cooc.L.PET	0.6249855890	0.56761555
## DENT_cooc.L.PET	0.6853030845	0.89276375
## SAVE_cooc.L.PET	0.6413236789	0.69900987
## SVAR_cooc.L.PET	0.6265344726	0.52796829
## SENT_cooc.L.PET	0.6886251819	0.89772115
## ASM_cooc.L.PET	0.4693101067	0.35024506
## Contrast_cooc.L.PET	0.6036819361	0.44607796
## Dissimilarity_cooc.L.PET	0.6792215064	0.65505523
## Inv_diff_cooc.L.PET	0.4771497669	0.83553961
## Inv_diff_norm_cooc.L.PET	0.6252664714	0.94285475
## IDM_cooc.L.PET	0.4262118844	0.75279777
## IDM_norm_cooc.L.PET	0.6381577101	0.94220620
## Inv_var_cooc.L.PET	0.4175829790	0.76034905
## Correlation_cooc.L.PET	0.3226855168	0.62753555
## Autocorrelation_cooc.L.PET	0.5623481795	0.47788881
## Tendency_cooc.L.PET	0.6265344726	0.52796829
## Shade_cooc.L.PET	0.2987555019	0.28877609
## Prominence_cooc.L.PET	0.5414621525	0.33579224
## IC1_.L.PET	-0.5200240868	-0.27893327
## IC2_.L.PET	0.7529004950	0.78929771
## Coarseness_vdif_.L.PET	0.6110022889	0.36418921
## Contrast_vdif_.L.PET	0.4449125324	0.18264234
## Busyness_vdif_.L.PET	-0.0109886914	0.46937629
## Complexity_vdif_.L.PET	0.6543059709	0.61926911
## Strength_vdif_.L.PET	0.5145088527	0.22147657
## SRE_align.L.PET	0.6631847630	0.93620408
## LRE_align.L.PET	0.6274424620	0.93939826
## GLNU_align.L.PET	-0.0461060380	0.37704790
## RLNU_align.L.PET	-0.0724745780	0.34532413
## RP_align.L.PET	0.6653218358	0.93498861
## LGRE_align.L.PET	0.5027250703	0.59130372

## HGRE_align.L.PET	0.5796501346	0.50506777
## LGSRE_align.L.PET	0.5086895883	0.59385577
## HGSRE_align.L.PET	0.5822521351	0.50368759
## LGHRE_align.L.PET	0.4760106542	0.57782017
## HGLRE_align.L.PET	0.5670363964	0.50906811
## GLNU_norm_align.L.PET	0.5845237002	0.61262476
## RLNU_norm_align.L.PET	0.6721422743	0.93021044
## GLVAR_align.L.PET	0.6415742690	0.54407593
## RLVAR_align.L.PET	0.4358902383	0.60033634
## Entropy_align.L.PET	0.6186994950	0.91909111
## SZSE.L.PET	0.6539380047	0.91753771
## LZSE.L.PET	0.4052044993	0.65191470
## LGLZE.L.PET	0.5106909321	0.60373158
## HGLZE.L.PET	0.5838718718	0.51458730
## SZLGE.L.PET	0.5249438507	0.61014918
## SZHGE.L.PET	0.5809148088	0.51509048
## LZLGE.L.PET	0.3695161123	0.49492476
## LZHGE.L.PET	0.4640498310	0.40365733
## GLNU_area.L.PET	-0.0469711547	0.38198625
## ZSNU.L.PET	-0.0723905429	0.34931781
## ZSP.L.PET	0.6666982736	0.91917870
## GLNU_norm.L.PET	0.5831154395	0.61288115
## ZSNU_norm.L.PET	0.6791595712	0.91165280
## GLVAR_area.L.PET	0.6462926369	0.55576059
## ZSVAR.L.PET	0.1985703172	0.44269323
## Entropy_area.L.PET	0.6071246695	0.92443876
## Max_cooc.H.PET	0.4069189647	0.23679857
## Average_cooc.H.PET	0.6842390929	0.90435594
## Variance_cooc.H.PET	0.4856480663	0.82189722
## Entropy_cooc.H.PET	0.5346119087	0.78465645
## DAVE_cooc.H.PET	0.5763389793	0.83514064
## DVAR_cooc.H.PET	0.5774727164	0.80985085
## DENT_cooc.H.PET	0.3402103718	0.73713798
## SAVE_cooc.H.PET	0.6599407325	0.92083700
## SVAR_cooc.H.PET	0.4173144453	0.82234257
## SENT_cooc.H.PET	0.4478177239	0.60714034
## ASM_cooc.H.PET	0.4152636194	0.21363982
## Contrast_cooc.H.PET	0.5355387810	0.74199626
## Dissimilarity_cooc.H.PET	0.5763389793	0.83514064
## Inv_diff_cooc.H.PET	0.5531090317	0.60247057
## Inv_diff_norm_cooc.H.PET	0.6571583699	0.93286329
## IDM_cooc.H.PET	0.5041334774	0.50040563
## IDM_norm_cooc.H.PET	0.6547375500	0.93722453
## Inv_var_cooc_.H.PET	0.4708634241	0.51656625
## Correlation_cooc.H.PET	0.3093457322	0.63206362
## Autocorrelation_cooc.H.PET	0.6795579455	0.83927335
## Tendency_cooc.H.PET	0.4152325475	0.79156588
## Shade_cooc.H.PET	-0.2248324666	-0.37562146
## Prominence_cooc.H.PET	0.2222367514	0.59339360
## IC1_d.H.PET	0.0242226430	-0.12016830
## IC2_d.H.PET	0.4463273781	0.73941489
## Coarseness_vdif.H.PET	0.4883773590	0.33680615
## Contrast_vdif.H.PET	0.4590445126	0.22760175
## Busyness_vdif.H.PET	-0.0620033554	0.34907143

## Complexity_vdif.H.PET	0.5761802929	0.55288489
## Strength_vdif.H.PET	0.2010030071	-0.01655186
## SRE_align.H.PET	0.6211964290	0.92060139
## LRE_align.H.PET	0.4779414971	0.57740588
## RLNU_align.H.PET	-0.0697154605	0.33401391
## RP_align.H.PET	0.6158930894	0.90861800
## LGRE_align.H.PET	0.4662513428	0.36704017
## HGRE_align.H.PET	0.6803544952	0.85471994
## LGSRE_align.H.PET	0.4655670695	0.36448538
## HGSRE_align.H.PET	0.6880944039	0.91051692
## LGHRE_align.H.PET	0.4699556412	0.38048859
## HGLRE_align.H.PET	0.3662494107	0.37211756
## GLNU_norm_align.H.PET	0.5383300253	0.43556707
## RLNU_norm_align.H.PET	0.5724652752	0.86313698
## GLVAR_align.H.PET	0.4431689081	0.79199162
## RLVAR_align.H.PET	0.2245530310	0.23724383
## Entropy_align.H.PET	0.4690050809	0.86727038
## SZSE.H.PET	0.4758561546	0.82903831
## LZSE.H.PET	-0.0614550962	-0.08016196
## LGLZE.H.PET	0.4655356441	0.36813748
## HGLZE.H.PET	0.5478008336	0.81951347
## SZLGE.H.PET	0.4634974889	0.36212014
## SZHGE.H.PET	0.5029651681	0.81128528
## LZLGE.H.PET	-0.0053694137	-0.03026605
## LZHGE.H.PET	-0.0155115237	-0.08207542
## GLNU_area.H.PET	-0.0497253969	0.41095421
## ZSNU.H.PET	-0.0738258584	0.28688447
## ZSP.H.PET	0.3504826590	0.65424265
## GLNU_norm.H.PET	0.5574387616	0.43800690
## ZSNU_norm.H.PET	0.3747274715	0.70015384
## GLVAR_area.H.PET	0.4125000070	0.77763813
## ZSVAR_H.PET	-0.0482042592	-0.08066913
## Entropy_area.H.PET	0.5216108477	0.91311984
## Max_cooc.W.PET	0.4591657838	0.26060462
## Average_cooc.W.PET	0.1999700978	0.50587112
## Variance_cooc.W.PET	0.0608956995	0.25284341
## Entropy_cooc.W.PET	0.4487291607	0.82892463
## DAVE_cooc.W.PET	0.2721207305	0.52835738
## DVAR_cooc.W.PET	0.1112523209	0.28022531
## DENT_cooc.W.PET	0.4658570695	0.81092109
## SAVE_cooc.W.PET	0.1990731095	0.50529747
## SVAR_cooc.W.PET	0.0336184473	0.23174567
## SENT_cooc.W.PET	0.5197961272	0.85601305
## ASM_cooc.W.PET	0.4902057914	0.28576410
## Contrast_cooc.W.PET	0.1263002910	0.28508233
## Dissimilarity_cooc.W.PET	0.2721207305	0.52835738
## Inv_diff_cooc.W.PET	0.6005080100	0.68415614
## Inv_diff_norm_cooc.W.PET	0.6289351399	0.94227462
## IDM_cooc.W.PET	0.5360210396	0.55175593
## IDM_norm_cooc.W.PET	0.6398057887	0.94213736
## Inv_var_cooc.W.PET	0.5729204424	0.62586476
## Correlation_cooc.W.PET	0.3167948157	0.62798530
## Autocorrelation_cooc.W.PET	0.0294160127	0.24817448
## Tendency_cooc.W.PET	0.0336184473	0.23174567

## Shade_cooc.W.PET	-0.0138874021	0.05000656
## Prominence_cooc.W.PET	-0.0343162041	0.01590141
## IC1_d.W.PET	-0.0064109755	-0.13387282
## IC2_d.W.PET	0.5479635239	0.78576244
## Coarseness_vdif.W.PET	0.6355424379	0.33620985
## Contrast_vdif.W.PET	0.3740970248	0.42510288
## Busyness_vdif.W.PET	0.1299132187	0.26911967
## Complexity_vdif.W.PET	0.0109912462	0.16908013
## Strength_vdif.W.PET	0.2279284996	0.22964738
## SRE_align.W.PET	0.6436272615	0.93638519
## LRE_align.W.PET	0.6023794148	0.79681647
## GLNU_align.W.PET	-0.0393992592	0.40600869
## RLNU_align.W.PET	-0.0698463013	0.33981681
## RP_align.W.PET	0.6401999446	0.93267731
## LGRE_align.W.PET	0.5069801878	0.42457364
## HGRE_align.W.PET	0.0296036459	0.25200752
## LGSRE_align.W.PET	0.5323317261	0.45915816
## HGSRE_align.W.PET	0.0296016098	0.24789201
## LGHRE_align.W.PET	0.3752271767	0.26918757
## HGLRE_align.W.PET	0.0289953968	0.26780936
## GLNU_norm_align.W.PET	0.5563993253	0.42985032
## RLNU_norm_align.W.PET	0.6193516748	0.91679752
## GLVAR_align.W.PET	0.0462951059	0.25229017
## RLVAR_align.W.PET	0.3142115298	0.29495289
## Entropy_align.W.PET	0.4778357505	0.86935799
## SZSE.W.PET	0.5845035535	0.90199739
## LZSE.W.PET	0.1656704258	0.06599234
## LGLZE.W.PET	0.5075098762	0.44689519
## HGLZE.W.PET	0.0349041498	0.25645510
## SZLGE.W.PET	0.5402803824	0.52644605
## SZHGE.W.PET	0.0354718020	0.24533692
## LZLGE.W.PET	0.0744057767	-0.04410083
## LZHGE.W.PET	0.0498459201	0.25913199
## GLNU_area.W.PET	-0.0424460439	0.42071894
## ZSNU.W.PET	-0.0707665340	0.31946553
## ZSP.W.PET	0.5141385076	0.84144641
## GLNU_norm.W.PET	0.5721001683	0.44540987
## ZSNU_norm.W.PET	0.5147179988	0.83232904
## GLVAR_area.W.PET	0.0489150069	0.25672222
## ZSVAR.W.PET	0.0896583976	-0.01201236
## Entropy_area.W.PET	0.5151596628	0.90205400
## Min_hist.ADC	0.6111377974	0.20630191
## Max_hist.ADC	0.3814598669	0.87077121
## Mean_hist.ADC	0.6416985135	0.80303829
## Variance_hist.ADC	0.0817425594	0.49778894
## Standard_Deviation_hist.ADC	0.3133777593	0.74654458
## Skewness_hist.ADC	0.1217908487	0.21989267
## Kurtosis_hist.ADC	0.0599380600	0.24574512
## Energy_hist.ADC	0.5424197796	0.34967525
## Entropy_hist.ADC	0.4142382851	0.92192001
## AUC_hist.ADC	0.5990112667	0.93666386
## Volume.ADC	-0.0519443097	0.49436927
## X3D_surface.ADC	-0.2101681392	0.56097013
## ratio_3ds_vol.ADC	1.0000000000	0.56579031

## ratio_3ds_vol_norm.ADC	0.5657903134	1.00000000
## irregularity.ADC	0.8089840239	0.88059246
## Compactness_v1.ADC	0.6151628012	0.54329420
##	irregularity.ADC	Compactness_v1.ADC
## Failure	0.082113289	0.0671061142
## Entropy_cooc.W.ADC	-0.063044124	-0.0375497609
## GLNU_align.H.PET	-0.103656135	0.0200176349
## Min_hist.PET	0.489784558	0.2617661177
## Max_hist.PET	0.491974339	0.2670005124
## Mean_hist.PET	0.491089370	0.2590771018
## Variance_hist.PET	0.244018158	0.1162359498
## Standard_Deviation_hist.PET	0.499289142	0.2909719288
## Skewness_hist.PET	0.480476663	0.3872715179
## Kurtosis_hist.PET	0.088230083	0.1303695358
## Energy_hist.PET	0.470383895	0.9265473714
## Entropy_hist.PET	0.796296906	0.4867140367
## AUC_hist.PET	0.953975127	0.7208280637
## H_suv.PET	0.542058719	0.3855563818
## Volume.PET	0.250602322	-0.0886808935
## X3D_surface.PET	0.144979492	0.1293841952
## ratio_3ds_vol.PET	0.593478622	0.7136789866
## ratio_3ds_vol_norm.PET	0.541765678	0.7096782613
## irregularity.PET	0.945275233	0.6934203813
## tumor_length.PET	0.514987347	0.4444149816
## Compactness_v1.PET	0.552300711	0.9016830763
## Compactness_v2.PET	0.206119861	-0.1334639891
## Spherical_disproportion.PET	0.541765678	0.7096782613
## Sphericity.PET	0.207629055	-0.2595621254
## Asphericity.PET	0.520383575	0.7011014937
## Center_of_mass.PET	0.315297017	0.2302468935
## Max_3D_diam.PET	0.394639811	-0.0118475811
## Major_axis_length.PET	0.442726332	0.1174244754
## Minor_axis_length.PET	0.559160051	0.2988935122
## Least_axis_length.PET	0.462851852	0.1710551822
## Elongation.PET	0.805512124	0.6848382421
## Flatness.PET	0.738347964	0.5874850287
## Max_cooc.L.PET	0.479927067	0.9397680370
## Average_cooc.L.PET	0.831556038	0.5890898119
## Variance_cooc.L.PET	0.696547782	0.5121920388
## Entropy_cooc.L.PET	0.939254317	0.6314789392
## DAVE_cooc.L.PET	0.796312982	0.5696769042
## DVAR_cooc.L.PET	0.708578347	0.5668854917
## DENT_cooc.L.PET	0.954046123	0.6641497411
## SAVE_cooc.L.PET	0.831363240	0.5881880948
## SVAR_cooc.L.PET	0.690612304	0.5044884875
## SENT_cooc.L.PET	0.950946759	0.7273994503
## ASM_cooc.L.PET	0.449807040	0.9339686252
## Contrast_cooc.L.PET	0.612136982	0.4552353836
## Dissimilarity_cooc.L.PET	0.796312982	0.5696769042
## Inv_diff_cooc.L.PET	0.779256400	0.6853217751
## Inv_diff_norm_cooc.L.PET	0.945333877	0.6871597874
## IDM_cooc.L.PET	0.690474202	0.6931020609
## IDM_norm_cooc.L.PET	0.953217473	0.6894011212
## Inv_var_cooc.L.PET	0.691560704	0.6911737507

## Correlation_cooc.L.PET	0.580782787	0.4573566444
## Autocorrelation_cooc.L.PET	0.649138201	0.4850883814
## Tendency_cooc.L.PET	0.690612304	0.5044884875
## Shade_cooc.L.PET	0.308297097	0.2050330182
## Prominence_cooc.L.PET	0.503367417	0.3928776500
## IC1_.L.PET	-0.432849074	-0.1109317051
## IC2_.L.PET	0.910794839	0.7342223935
## Coarseness_vdif_.L.PET	0.523046749	0.8988354775
## Contrast_vdif_.L.PET	0.304332827	0.2626030186
## Busyness_vdif_.L.PET	0.232149014	0.0009284763
## Complexity_vdif_.L.PET	0.749533191	0.5996920470
## Strength_vdif_.L.PET	0.351450507	0.3545032191
## SRE_align.L.PET	0.963253897	0.6991603676
## LRE_align.L.PET	0.944976460	0.6767636766
## GLNU_align.L.PET	0.179463334	0.0044714614
## RLNU_align.L.PET	0.159003468	-0.0407012701
## RP_align.L.PET	0.963806862	0.6997914306
## LGRE_align.L.PET	0.593100980	0.7146542055
## HGRE_align.L.PET	0.671899669	0.4984949416
## LGSRE_align.L.PET	0.598934311	0.7252985009
## HGSRE_align.L.PET	0.671358699	0.4988751738
## LGHRE_align.L.PET	0.566661060	0.6700922855
## HGLRE_align.L.PET	0.671992630	0.4952588391
## GLNU_norm_align.L.PET	0.661182544	0.9240839442
## RLNU_norm_align.L.PET	0.965026124	0.7021968879
## GLVAR_align.L.PET	0.718927817	0.5294710770
## RLVAR_align.L.PET	0.598050636	0.8422716976
## Entropy_align.L.PET	0.947249910	0.6445355627
## SZSE.L.PET	0.944493189	0.6942235464
## LZSE.L.PET	0.646210195	0.4491546271
## LGLZE.L.PET	0.605010822	0.7274199178
## HGLZE.L.PET	0.680082072	0.5032981504
## SZLGE.L.PET	0.618143704	0.7554394689
## SZHGE.L.PET	0.674602720	0.5041069154
## LZLGE.L.PET	0.459778530	0.5256732037
## LZHGE.L.PET	0.555171330	0.3960134150
## GLNU_area.L.PET	0.181084357	-0.0015500108
## ZSNU.L.PET	0.160909187	-0.0488051253
## ZSP.L.PET	0.953150445	0.6971892875
## GLNU_norm.L.PET	0.661270446	0.9271115106
## ZSNU_norm.L.PET	0.958176469	0.7036359829
## GLVAR_area.L.PET	0.729047947	0.5381888161
## ZSVAR.L.PET	0.392464150	0.3964874256
## Entropy_area.L.PET	0.943604632	0.6402513636
## Max_cooc.H.PET	0.325834608	0.4399594019
## Average_cooc.H.PET	0.945281503	0.6721450751
## Variance_cooc.H.PET	0.821169501	0.5351740378
## Entropy_cooc.H.PET	0.811964950	0.5014257374
## DAVE_cooc.H.PET	0.864831671	0.5724455030
## DVAR_cooc.H.PET	0.847759556	0.5740405907
## DENT_cooc.H.PET	0.699182276	0.4216927632
## SAVE_cooc.H.PET	0.944951818	0.6550354334
## SVAR_cooc.H.PET	0.776014960	0.5294351862
## SENT_cooc.H.PET	0.660881555	0.7063447215

## ASM_cooc.H.PET	0.323579588	0.5087241042
## Contrast_cooc.H.PET	0.787500445	0.5189586309
## Dissimilarity_cooc.H.PET	0.864831671	0.5724455030
## Inv_diff_cooc.H.PET	0.657311904	0.6016244574
## Inv_diff_norm_cooc.H.PET	0.954940734	0.7029975849
## IDM_cooc.H.PET	0.560668781	0.5468648142
## IDM_norm_cooc.H.PET	0.957807899	0.6974885165
## Inv_var_cooc_.H.PET	0.573049948	0.8921723705
## Correlation_cooc.H.PET	0.587334061	0.4615732700
## Autocorrelation_cooc.H.PET	0.894763660	0.6557198886
## Tendency_cooc.H.PET	0.765913941	0.4959699001
## Shade_cooc.H.PET	-0.414028583	-0.2814866176
## Prominence_cooc.H.PET	0.549945767	0.3320290290
## IC1_d.H.PET	-0.075935235	0.2507015448
## IC2_d.H.PET	0.718916312	0.5417764989
## Coarseness_vdif.H.PET	0.451368901	0.9320472282
## Contrast_vdif.H.PET	0.354990380	0.3261625879
## Busyness_vdif.H.PET	0.085994238	-0.3531007132
## Complexity_vdif.H.PET	0.674936357	0.7651529502
## Strength_vdif.H.PET	0.072607968	0.1139584318
## SRE_align.H.PET	0.935978797	0.6671634597
## LRE_align.H.PET	0.618526918	0.4754209234
## RLNU_align.H.PET	0.161920491	-0.0274479993
## RP_align.H.PET	0.926793496	0.6594268556
## LGRE_align.H.PET	0.466277241	0.9361896212
## HGRE_align.H.PET	0.899277546	0.6486117402
## LGSRE_align.H.PET	0.464180498	0.9355994794
## HGSRE_align.H.PET	0.940352771	0.6562257514
## LGHRE_align.H.PET	0.477240462	0.9396523562
## HGLRE_align.H.PET	0.431803517	0.3594524799
## GLNU_norm_align.H.PET	0.527827321	0.5431979493
## RLNU_norm_align.H.PET	0.879240559	0.6199544676
## GLVAR_align.H.PET	0.784682818	0.5053330588
## RLVAR_align.H.PET	0.266024540	0.2750927084
## Entropy_align.H.PET	0.842956386	0.5442460738
## SZSE.H.PET	0.806437378	0.5700387726
## LZSE.H.PET	-0.061356913	-0.0568687296
## LGLZE.H.PET	0.466934724	0.9347842955
## HGLZE.H.PET	0.817682507	0.5751711340
## SZLGE.H.PET	0.461182628	0.9330958852
## SZHGE.H.PET	0.783563469	0.5200525611
## LZLGE.H.PET	-0.003872697	0.0715915180
## LZHGE.H.PET	-0.041373277	-0.0165318367
## GLNU_area.H.PET	0.192043422	-0.0438110685
## ZSNU.H.PET	0.140980897	-0.0349421821
## ZSP.H.PET	0.636735221	0.4223448226
## GLNU_norm.H.PET	0.546970010	0.5578356933
## ZSNU_norm.H.PET	0.678842941	0.4765636210
## GLVAR_area.H.PET	0.761352439	0.4858715481
## ZSVAR_H.PET	-0.056722763	-0.0366645149
## Entropy_area.H.PET	0.890835915	0.5904719740
## Max_cooc.W.PET	0.373506240	0.6280441356
## Average_cooc.W.PET	0.493457840	0.2697763413
## Variance_cooc.W.PET	0.245658464	0.1221718014

## Entropy_cooc.W.PET	0.808038993	0.5060400095
## DAVE_cooc.W.PET	0.532370278	0.3037674007
## DVAR_cooc.W.PET	0.291827094	0.1345651593
## DENT_cooc.W.PET	0.800447767	0.5121340196
## SAVE_cooc.W.PET	0.492670721	0.2679254728
## SVAR_cooc.W.PET	0.214597161	0.1111654147
## SENT_cooc.W.PET	0.848305554	0.6170838830
## ASM_cooc.W.PET	0.410953658	0.7771571949
## Contrast_cooc.W.PET	0.304497615	0.1389058746
## Dissimilarity_cooc.W.PET	0.532370278	0.3037674007
## Inv_diff_cooc.W.PET	0.736557351	0.6399636010
## Inv_diff_norm_cooc.W.PET	0.946526870	0.6891592160
## IDM_cooc.W.PET	0.611586653	0.5719064142
## IDM_norm_cooc.W.PET	0.953781818	0.6902345019
## Inv_var_cooc.W.PET	0.676129369	0.6180926426
## Correlation_cooc.W.PET	0.578726004	0.4551130051
## Autocorrelation_cooc.W.PET	0.239853680	0.0935132143
## Tendency_cooc.W.PET	0.214597161	0.1111654147
## Shade_cooc.W.PET	0.044139128	0.0439294376
## Prominence_cooc.W.PET	0.019499223	0.0138078326
## IC1_d.W.PET	-0.102878533	0.2926973262
## IC2_d.W.PET	0.804144316	0.6157581233
## Coarseness_vdif.W.PET	0.508439933	0.8326744488
## Contrast_vdif.W.PET	0.504054920	0.3924326721
## Busyness_vdif.W.PET	0.209856442	0.0068111081
## Complexity_vdif.W.PET	0.161287323	0.0763544871
## Strength_vdif.W.PET	0.246048656	0.2310421736
## SRE_align.W.PET	0.955045281	0.6860245133
## LRE_align.W.PET	0.835228269	0.6254632746
## GLNU_align.W.PET	0.182209638	-0.0421014468
## RLNU_align.W.PET	0.160960216	-0.0304962767
## RP_align.W.PET	0.951467180	0.6820378769
## LGRE_align.W.PET	0.500984650	0.5187346564
## HGRE_align.W.PET	0.243276229	0.0886018493
## LGSRE_align.W.PET	0.536042478	0.5540852638
## HGSRE_align.W.PET	0.240078587	0.0859934180
## LGHRE_align.W.PET	0.340650791	0.3597107190
## HGLRE_align.W.PET	0.255737659	0.0991091796
## GLNU_norm_align.W.PET	0.531644632	0.6220151951
## RLNU_norm_align.W.PET	0.933138508	0.6639849490
## GLVAR_align.W.PET	0.243763820	0.1143426085
## RLVAR_align.W.PET	0.349273328	0.4140750973
## Entropy_align.W.PET	0.848684494	0.5456282241
## SZSE.W.PET	0.901673877	0.6468243167
## LZSE.W.PET	0.137625549	0.1484020364
## LGLZE.W.PET	0.523255476	0.5463176833
## HGLZE.W.PET	0.247264724	0.0902554763
## SZLGE.W.PET	0.590093511	0.6310159743
## SZHGE.W.PET	0.238095042	0.0832313737
## LZLGE.W.PET	0.013660867	0.0363732990
## LZHGE.W.PET	0.272208527	0.1549640156
## GLNU_area.W.PET	0.192401655	-0.0422020070
## ZSNU.W.PET	0.153704449	-0.0312596162
## ZSP.W.PET	0.831689884	0.5763266149

## GLNU_norm.W.PET	0.551926774	0.6442542507
## ZSNU_norm.W.PET	0.826965218	0.5808049832
## GLVAR_area.W.PET	0.247859625	0.1190460252
## ZSVAR.W.PET	0.048494626	0.0870315911
## Entropy_area.W.PET	0.885592211	0.5799109494
## Min_hist.ADC	0.443197680	0.3213783253
## Max_hist.ADC	0.784494775	0.5540026345
## Mean_hist.ADC	0.841148258	0.5769737779
## Variance_hist.ADC	0.358818666	0.3184022988
## Standard_Deviation_hist.ADC	0.643514697	0.4854901507
## Skewness_hist.ADC	0.266463799	0.1846672020
## Kurtosis_hist.ADC	0.228783826	0.1778419886
## Energy_hist.ADC	0.487599559	0.9428328125
## Entropy_hist.ADC	0.842480054	0.6017858910
## AUC_hist.ADC	0.935503749	0.6860774104
## Volume.ADC	0.235651691	-0.0974543687
## X3D_surface.ADC	0.255981483	0.1451803673
## ratio_3ds_vol.ADC	0.808984024	0.6151628012
## ratio_3ds_vol_norm.ADC	0.880592464	0.5432941979
## irregularity.ADC	1.000000000	0.6976800156
## Compactness_v1.ADC	0.697680016	1.0000000000
##	Compactness_v2.ADC	Spherical_disproportion.ADC
## Failure	0.1293286251	-0.05065018
## Entropy_cooc.W.ADC	-0.1176510859	0.07014422
## GLNU_align.H.PET	-0.0519909312	-0.03482347
## Min_hist.PET	0.3487952131	0.50778399
## Max_hist.PET	0.3176091014	0.54810318
## Mean_hist.PET	0.3482700986	0.51003144
## Variance_hist.PET	0.1555412272	0.25209590
## Standard_Deviation_hist.PET	0.3523665930	0.52167878
## Skewness_hist.PET	0.3185351242	0.55151237
## Kurtosis_hist.PET	-0.0115640450	0.20580615
## Energy_hist.PET	0.4997095168	0.34605196
## Entropy_hist.PET	0.5417762555	0.89160978
## AUC_hist.PET	0.7593415425	0.94084677
## H_suv.PET	0.4196349100	0.53011431
## Volume.PET	-0.0714575072	0.50708349
## X3D_surface.PET	0.0533875925	0.26732348
## ratio_3ds_vol.PET	0.5779284354	0.45679079
## ratio_3ds_vol_norm.PET	0.5531808034	0.48336839
## irregularity.PET	0.7672130559	0.89424048
## tumor_length.PET	0.4111766188	0.58017540
## Compactness_v1.PET	0.5265002494	0.48220993
## Compactness_v2.PET	0.0938786297	0.26689866
## Spherical_disproportion.PET	0.5531808034	0.48336839
## Sphericity.PET	0.0320702206	0.30696781
## Asphericity.PET	0.5384257426	0.46149478
## Center_of_mass.PET	0.1848345653	0.40367977
## Max_3D_diam.PET	0.1408258547	0.55539477
## Major_axis_length.PET	0.2178016154	0.56989955
## Minor_axis_length.PET	0.3486736365	0.71134290
## Least_axis_length.PET	0.2683882745	0.62366504
## Elongation.PET	0.7103750796	0.78171031
## Flatness.PET	0.6770945289	0.72443539

## Max_cooc.L.PET	0.5013546448	0.37802287
## Average_cooc.L.PET	0.7509258045	0.69913107
## Variance_cooc.L.PET	0.6732412743	0.52358187
## Entropy_cooc.L.PET	0.7633651835	0.91686296
## DAVE_cooc.L.PET	0.7002475459	0.65505523
## DVAR_cooc.L.PET	0.6323281709	0.56761555
## DENT_cooc.L.PET	0.7845169296	0.89276375
## SAVE_cooc.L.PET	0.7506509330	0.69900987
## SVAR_cooc.L.PET	0.6885106515	0.52796829
## SENT_cooc.L.PET	0.7888311249	0.89772115
## ASM_cooc.L.PET	0.4814677914	0.35024506
## Contrast_cooc.L.PET	0.5582764867	0.44607796
## Dissimilarity_cooc.L.PET	0.7002475459	0.65505523
## Inv_diff_cooc.L.PET	0.5891853638	0.83553961
## Inv_diff_norm_cooc.L.PET	0.7470787529	0.94285475
## IDM_cooc.L.PET	0.5193113686	0.75279777
## IDM_norm_cooc.L.PET	0.7583370388	0.94220620
## Inv_var_cooc.L.PET	0.5165164370	0.76034905
## Correlation_cooc.L.PET	0.4910039612	0.62753555
## Autocorrelation_cooc.L.PET	0.6487794367	0.47788881
## Tendency_cooc.L.PET	0.6885106515	0.52796829
## Shade_cooc.L.PET	0.2858372831	0.28877609
## Prominence_cooc.L.PET	0.5657735384	0.33579224
## IC1_.L.PET	-0.3743320754	-0.27893327
## IC2_.L.PET	0.7951591933	0.78929771
## Coarseness_vdif_.L.PET	0.5493128857	0.36418921
## Contrast_vdif_.L.PET	0.2617087962	0.18264234
## Busyness_vdif_.L.PET	-0.0388245732	0.46937629
## Complexity_vdif_.L.PET	0.6555177435	0.61926911
## Strength_vdif_.L.PET	0.3356777385	0.22147657
## SRE_align.L.PET	0.7743707624	0.93620408
## LRE_align.L.PET	0.7476249552	0.93939826
## GLNU_align.L.PET	-0.0306343207	0.37704790
## RLNU_align.L.PET	-0.0335368979	0.34532413
## RP_align.L.PET	0.7762741268	0.93498861
## LGRE_align.L.PET	0.4879739844	0.59130372
## HGRE_align.L.PET	0.6513603216	0.50506777
## LGSRE_align.L.PET	0.4957575067	0.59385577
## HGSRE_align.L.PET	0.6499865316	0.50368759
## LGHRE_align.L.PET	0.4547408091	0.57782017
## HGLRE_align.L.PET	0.6551002108	0.50906811
## GLNU_norm_align.L.PET	0.5826527552	0.61262476
## RLNU_norm_align.L.PET	0.7819508977	0.93021044
## GLVAR_align.L.PET	0.7036216877	0.54407593
## RLVAR_align.L.PET	0.5110536433	0.60033634
## Entropy_align.L.PET	0.7705744357	0.91909111
## SZSE.L.PET	0.7532607250	0.91753771
## LZSE.L.PET	0.5287167245	0.65191470
## LGLZE.L.PET	0.4935155727	0.60373158
## HGLZE.L.PET	0.6568392200	0.51458730
## SZLGE.L.PET	0.5050394945	0.61014918
## SZHGE.L.PET	0.6421949877	0.51509048
## LZLGE.L.PET	0.3596958256	0.49492476
## LZHGE.L.PET	0.5746496465	0.40365733

## GLNU_area.L.PET	-0.0347462042	0.38198625
## ZSNU.L.PET	-0.0369065531	0.34931781
## ZSP.L.PET	0.7669759889	0.91917870
## GLNU_norm.L.PET	0.5834155268	0.61288115
## ZSNU_norm.L.PET	0.7865563885	0.91165280
## GLVAR_area.L.PET	0.7072489556	0.55576059
## ZSVAR.L.PET	0.3048058652	0.44269323
## Entropy_area.L.PET	0.7615186522	0.92443876
## Max_cooc.H.PET	0.3687452945	0.23679857
## Average_cooc.H.PET	0.7745517850	0.90435594
## Variance_cooc.H.PET	0.6174471516	0.82189722
## Entropy_cooc.H.PET	0.6461198819	0.78465645
## DAVE_cooc.H.PET	0.6546429913	0.83514064
## DVAR_cooc.H.PET	0.6430921444	0.80985085
## DENT_cooc.H.PET	0.5561956196	0.73713798
## SAVE_cooc.H.PET	0.7575980397	0.92083700
## SVAR_cooc.H.PET	0.5800530694	0.82234257
## SENT_cooc.H.PET	0.5829606881	0.60714034
## ASM_cooc.H.PET	0.3794217428	0.21363982
## Contrast_cooc.H.PET	0.5904466705	0.74199626
## Dissimilarity_cooc.H.PET	0.6546429913	0.83514064
## Inv_diff_cooc.H.PET	0.6012948646	0.60247057
## Inv_diff_norm_cooc.H.PET	0.7730286451	0.93286329
## IDM_cooc.H.PET	0.5322251203	0.50040563
## IDM_norm_cooc.H.PET	0.7708800655	0.93722453
## Inv_var_cooc_.H.PET	0.5310344549	0.51656625
## Correlation_cooc.H.PET	0.4954667016	0.63206362
## Autocorrelation_cooc.H.PET	0.7558755381	0.83927335
## Tendency_cooc.H.PET	0.5767870247	0.79156588
## Shade_cooc.H.PET	-0.3238896475	-0.37562146
## Prominence_cooc.H.PET	0.3970600222	0.59339360
## IC1_d.H.PET	-0.0530635822	-0.12016830
## IC2_d.H.PET	0.5864348204	0.73941489
## Coarseness_vdif.H.PET	0.4901919145	0.33680615
## Contrast_vdif.H.PET	0.3270426442	0.22760175
## Busyness_vdif.H.PET	-0.2507571701	0.34907143
## Complexity_vdif.H.PET	0.6145719601	0.55288489
## Strength_vdif.H.PET	0.1145608442	-0.01655186
## SRE_align.H.PET	0.7311589940	0.92060139
## LRE_align.H.PET	0.5552850531	0.57740588
## RLNU_align.H.PET	-0.0183730221	0.33401391
## RP_align.H.PET	0.7219158397	0.90861800
## LGRE_align.H.PET	0.4909372501	0.36704017
## HGRE_align.H.PET	0.7409937838	0.85471994
## LGSRE_align.H.PET	0.4896070191	0.36448538
## HGSRE_align.H.PET	0.7410051939	0.91051692
## LGHRE_align.H.PET	0.4989402104	0.38048859
## HGLRE_align.H.PET	0.4368953719	0.37211756
## GLNU_norm_align.H.PET	0.5153781730	0.43556707
## RLNU_norm_align.H.PET	0.6753984840	0.86313698
## GLVAR_align.H.PET	0.5863360565	0.79199162
## RLVAR_align.H.PET	0.2988580348	0.23724383
## Entropy_align.H.PET	0.6424788819	0.86727038
## SZSE.H.PET	0.5993114736	0.82903831

## LZSE.H.PET	0.0002372882	-0.08016196
## LGLZE.H.PET	0.4900096103	0.36813748
## HGLZE.H.PET	0.6666170853	0.81951347
## SZLGE.H.PET	0.4852747454	0.36212014
## SZHGE.H.PET	0.5666232076	0.81128528
## LZLGE.H.PET	0.0703361024	-0.03026605
## LZHGE.H.PET	0.0336722857	-0.08207542
## GLNU_area.H.PET	-0.0498271752	0.41095421
## ZSNU.H.PET	-0.0124933280	0.28688447
## ZSP.H.PET	0.4552670699	0.65424265
## GLNU_norm.H.PET	0.5497298950	0.43800690
## ZSNU_norm.H.PET	0.5040770403	0.70015384
## GLVAR_area.H.PET	0.5552420351	0.77763813
## ZSVAR_H.PET	0.0103389327	-0.08066913
## Entropy_area.H.PET	0.6782482252	0.91311984
## Max_cooc.W.PET	0.4235456958	0.26060462
## Average_cooc.W.PET	0.3548334126	0.50587112
## Variance_cooc.W.PET	0.1532218497	0.25284341
## Entropy_cooc.W.PET	0.6025123094	0.82892463
## DAVE_cooc.W.PET	0.3786981748	0.52835738
## DVAR_cooc.W.PET	0.1862014816	0.28022531
## DENT_cooc.W.PET	0.5950175100	0.81092109
## SAVE_cooc.W.PET	0.3539347246	0.50529747
## SVAR_cooc.W.PET	0.1295309982	0.23174567
## SENT_cooc.W.PET	0.6505751544	0.85601305
## ASM_cooc.W.PET	0.4679792533	0.28576410
## Contrast_cooc.W.PET	0.2009684059	0.28508233
## Dissimilarity_cooc.W.PET	0.3786981748	0.52835738
## Inv_diff_cooc.W.PET	0.6497207886	0.68415614
## Inv_diff_norm_cooc.W.PET	0.7491330787	0.94227462
## IDM_cooc.W.PET	0.5634223434	0.55175593
## IDM_norm_cooc.W.PET	0.7587593501	0.94213736
## Inv_var_cooc.W.PET	0.6014765359	0.62586476
## Correlation_cooc.W.PET	0.4878630683	0.62798530
## Autocorrelation_cooc.W.PET	0.1562184160	0.24817448
## Tendency_cooc.W.PET	0.1295309982	0.23174567
## Shade_cooc.W.PET	0.0006405914	0.05000656
## Prominence_cooc.W.PET	-0.0172217886	0.01590141
## IC1_d.W.PET	-0.0591400746	-0.13387282
## IC2_d.W.PET	0.6636822278	0.78576244
## Coarseness_vdif.W.PET	0.5239938508	0.33620985
## Contrast_vdif.W.PET	0.4102270337	0.42510288
## Busyness_vdif.W.PET	0.1598907065	0.26911967
## Complexity_vdif.W.PET	0.0825729618	0.16908013
## Strength_vdif.W.PET	0.1662854519	0.22964738
## SRE_align.W.PET	0.7554887749	0.93638519
## LRE_align.W.PET	0.7151278747	0.79681647
## GLNU_align.W.PET	-0.0526848752	0.40600869
## RLNU_align.W.PET	-0.0254616636	0.33981681
## RP_align.W.PET	0.7507776465	0.93267731
## LGRE_align.W.PET	0.4899006308	0.42457364
## HGRE_align.W.PET	0.1569346009	0.25200752
## LGSRE_align.W.PET	0.5157647180	0.45915816
## HGSRE_align.W.PET	0.1535586303	0.24789201

## LGHRE_align.W.PET	0.3681185112	0.26918757	
## HGLRE_align.W.PET	0.1712923503	0.26780936	
## GLNU_norm_align.W.PET	0.5290583044	0.42985032	
## RLNU_norm_align.W.PET	0.7296178165	0.91679752	
## GLVAR_align.W.PET	0.1545090425	0.25229017	
## RLVAR_align.W.PET	0.3834006323	0.29495289	
## Entropy_align.W.PET	0.6442337866	0.86935799	
## SZSE.W.PET	0.6862487915	0.90199739	
## LZSE.W.PET	0.2212461890	0.06599234	
## LGLZE.W.PET	0.5107808305	0.44689519	
## HGLZE.W.PET	0.1567943494	0.25645510	
## SZLGE.W.PET	0.5465666264	0.52644605	
## SZHGE.W.PET	0.1458326815	0.24533692	
## LZLGE.W.PET	0.0993369420	-0.04410083	
## LZHGE.W.PET	0.2569277036	0.25913199	
## GLNU_area.W.PET	-0.0558163908	0.42071894	
## ZSNU.W.PET	-0.0217276184	0.31946553	
## ZSP.W.PET	0.6171032042	0.84144641	
## GLNU_norm.W.PET	0.5509765922	0.44540987	
## ZSNU_norm.W.PET	0.6216038584	0.83232904	
## GLVAR_area.W.PET	0.1551856659	0.25672222	
## ZSVAR.W.PET	0.1395480741	-0.01201236	
## Entropy_area.W.PET	0.6818280452	0.90205400	
## Min_hist.ADC	0.4698850395	0.20630191	
## Max_hist.ADC	0.5943464147	0.87077121	
## Mean_hist.ADC	0.6698334326	0.80303829	
## Variance_hist.ADC	0.2028673865	0.49778894	
## Standard_Deviation_hist.ADC	0.4385335139	0.74654458	
## Skewness_hist.ADC	0.2319940673	0.21989267	
## Kurtosis_hist.ADC	0.1984511256	0.24574512	
## Energy_hist.ADC	0.5245918311	0.34967525	
## Entropy_hist.ADC	0.6567772353	0.92192001	
## AUC_hist.ADC	0.7354611743	0.93666386	
## Volume.ADC	-0.0813218361	0.49436927	
## X3D_surface.ADC	0.0692437984	0.56097013	
## ratio_3ds_vol.ADC	0.6304137486	0.56579031	
## ratio_3ds_vol_norm.ADC	0.5163724948	1.00000000	
## irregularity.ADC	0.7924733785	0.88059246	
## Compactness_v1.ADC	0.7493857847	0.54329420	
##	Sphericity.ADC	Asphericity.ADC	Center_of_mass.ADC
## Failure	0.054207441	-0.106267471	-0.161026830
## Entropy_cooc.W.ADC	-0.027319343	0.112009270	0.208391489
## GLNU_align.H.PET	-0.046761023	-0.013979093	0.152000585
## Min_hist.PET	0.489316373	0.379313590	0.109291676
## Max_hist.PET	0.483288508	0.444817355	0.211426941
## Mean_hist.PET	0.489029854	0.383156015	0.128051332
## Variance_hist.PET	0.239805631	0.186453737	0.090005672
## Standard_Deviation_hist.PET	0.494686489	0.400090807	0.162187291
## Skewness_hist.PET	0.468108232	0.478763577	0.283953036
## Kurtosis_hist.PET	0.086360486	0.244879518	0.291816575
## Energy_hist.PET	0.495749320	0.213651793	0.020832550
## Entropy_hist.PET	0.769808003	0.753839257	0.490196334
## AUC_hist.PET	0.945958762	0.710172781	0.328993160
## H_suv.PET	0.536509746	0.392750923	0.168793714

## Volume.PET	0.150066821	0.628141736	0.586219597
## X3D_surface.PET	0.159570805	0.278708584	0.328048668
## ratio_3ds_vol.PET	0.615770073	0.253601054	-0.035756657
## ratio_3ds_vol_norm.PET	0.611014871	0.295896115	0.129746542
## irregularity.PET	0.936127304	0.644291215	0.232446388
## tumor_length.PET	0.557071098	0.453127291	0.347509824
## Compactness_v1.PET	0.569832196	0.355194871	0.136833351
## Compactness_v2.PET	0.180789786	0.238308581	0.142017901
## Spherical_disproportion.PET	0.611014871	0.295896115	0.129746542
## Sphericity.PET	0.148154535	0.312907642	0.206759363
## Asphericity.PET	0.591164597	0.278470503	0.121884908
## Center_of_mass.PET	0.307955677	0.374202994	0.396773585
## Max_3D_diam.PET	0.337781463	0.551807301	0.399786771
## Major_axis_length.PET	0.402324254	0.533753017	0.413674209
## Minor_axis_length.PET	0.552967323	0.642068001	0.459846804
## Least_axis_length.PET	0.452404022	0.581991769	0.458133198
## Elongation.PET	0.841746828	0.554119511	0.201072022
## Flatness.PET	0.784114322	0.509216285	0.228553087
## Max_cooc.L.PET	0.511640843	0.249176599	0.069390586
## Average_cooc.L.PET	0.833990623	0.429912452	0.095611698
## Variance_cooc.L.PET	0.696540447	0.273698162	-0.029130068
## Entropy_cooc.L.PET	0.939918626	0.670199396	0.296546359
## DAVE_cooc.L.PET	0.776574282	0.408834800	0.045787050
## DVAR_cooc.L.PET	0.695100952	0.342393198	0.006809134
## DENT_cooc.L.PET	0.943718347	0.635027916	0.235000456
## SAVE_cooc.L.PET	0.833753437	0.429827295	0.095590066
## SVAR_cooc.L.PET	0.708461642	0.270216786	-0.002757786
## SENT_cooc.L.PET	0.948707737	0.644708167	0.245000656
## ASM_cooc.L.PET	0.484734048	0.229318108	0.060047097
## Contrast_cooc.L.PET	0.583759711	0.242342009	-0.067110567
## Dissimilarity_cooc.L.PET	0.776574282	0.408834800	0.045787050
## Inv_diff_cooc.L.PET	0.783729001	0.678348790	0.392013613
## Inv_diff_norm_cooc.L.PET	0.940874013	0.712754854	0.338538944
## IDM_cooc.L.PET	0.697867452	0.625292098	0.379880811
## IDM_norm_cooc.L.PET	0.948238419	0.706311454	0.326835387
## Inv_var_cooc.L.PET	0.699239062	0.635098226	0.386271643
## Correlation_cooc.L.PET	0.620452089	0.479287460	0.297834810
## Autocorrelation_cooc.L.PET	0.662597247	0.230078882	-0.012357052
## Tendency_cooc.L.PET	0.708461642	0.270216786	-0.002757786
## Shade_cooc.L.PET	0.324075616	0.189686281	0.032763365
## Prominence_cooc.L.PET	0.534463145	0.114329543	-0.078888406
## IC1_.L.PET	-0.390225824	-0.111017161	0.108031678
## IC2_.L.PET	0.908325875	0.516419675	0.123783624
## Coarseness_vdif_.L.PET	0.540775585	0.201163975	-0.017069493
## Contrast_vdif_.L.PET	0.257673214	0.093452296	-0.115723226
## Busyness_vdif_.L.PET	0.158693835	0.573563501	0.515312196
## Complexity_vdif_.L.PET	0.732777630	0.392334205	0.039565564
## Strength_vdif_.L.PET	0.334930708	0.095801732	-0.093556885
## SRE_align.L.PET	0.956385872	0.692172984	0.302699908
## LRE_align.L.PET	0.939474971	0.707807662	0.333596870
## GLNU_align.L.PET	0.135528487	0.451843899	0.431311589
## RLNU_align.L.PET	0.118592620	0.414783664	0.416148431
## RP_align.L.PET	0.957127889	0.689886084	0.299946138
## LGRE_align.L.PET	0.602602548	0.465222969	0.233019465

## HGRE_align.L.PET	0.676750994	0.260252495	-0.007492869
## LGSRE_align.L.PET	0.609092797	0.464971882	0.229547508
## HGSRE_align.L.PET	0.675213159	0.259447993	-0.009775711
## LGHRE_align.L.PET	0.573712224	0.463535287	0.245685975
## HGLRE_align.L.PET	0.681031479	0.262525332	0.001594996
## GLNU_norm_align.L.PET	0.674761593	0.462480282	0.208279746
## RLNU_norm_align.L.PET	0.958829578	0.681820935	0.290129445
## GLVAR_align.L.PET	0.727110802	0.281589741	-0.017353032
## RLVAR_align.L.PET	0.620145305	0.479339467	0.268416079
## Entropy_align.L.PET	0.946105058	0.669872701	0.291867810
## SZSE.L.PET	0.933682393	0.682021330	0.297172682
## LZSE.L.PET	0.658276980	0.484300301	0.248927134
## LGLZE.L.PET	0.612353194	0.476926166	0.231071867
## HGLZE.L.PET	0.685285800	0.267832284	-0.004528408
## SZLGE.L.PET	0.623464346	0.480389481	0.220189490
## SZHGE.L.PET	0.675900981	0.275769541	0.001542611
## LZLGE.L.PET	0.470273029	0.408668485	0.273351103
## LZHGE.L.PET	0.576586988	0.180511664	-0.025917357
## GLNU_area.L.PET	0.134242243	0.459789328	0.439248915
## ZSNU.L.PET	0.117446373	0.421025511	0.424390035
## ZSP.L.PET	0.943753097	0.676919978	0.289024655
## GLNU_norm.L.PET	0.675179113	0.462926055	0.208294226
## ZSNU_norm.L.PET	0.953743569	0.658812992	0.273789533
## GLVAR_area.L.PET	0.735841320	0.292397479	-0.016472199
## ZSVAR.L.PET	0.409797361	0.366794368	0.255612205
## Entropy_area.L.PET	0.942287496	0.680215575	0.303559066
## Max_cooc.H.PET	0.350991798	0.119335238	0.068831623
## Average_cooc.H.PET	0.940222154	0.655910616	0.296055679
## Variance_cooc.H.PET	0.802566699	0.627329542	0.252157221
## Entropy_cooc.H.PET	0.800636837	0.572453335	0.222905130
## DAVE_cooc.H.PET	0.831581562	0.628322943	0.225172554
## DVAR_cooc.H.PET	0.811692794	0.607567431	0.227093577
## DENT_cooc.H.PET	0.725630165	0.550127087	0.349314874
## SAVE_cooc.H.PET	0.936512862	0.681030644	0.326846893
## SVAR_cooc.H.PET	0.777874676	0.646275470	0.371695165
## SENT_cooc.H.PET	0.693772262	0.409811690	0.103361360
## ASM_cooc.H.PET	0.346399314	0.096829931	0.056771944
## Contrast_cooc.H.PET	0.745347172	0.554331589	0.175672602
## Dissimilarity_cooc.H.PET	0.831581562	0.628322943	0.225172554
## Inv_diff_cooc.H.PET	0.677194843	0.415468522	0.236103283
## Inv_diff_norm_cooc.H.PET	0.953282241	0.690286676	0.316435424
## IDM_cooc.H.PET	0.582122094	0.335463616	0.202767952
## IDM_norm_cooc.H.PET	0.954179344	0.695277494	0.314641990
## Inv_var_cooc.H.PET	0.604063707	0.371464711	0.127554717
## Correlation_cooc.H.PET	0.628580445	0.479107364	0.287444702
## Autocorrelation_cooc.H.PET	0.896225670	0.593893816	0.275692458
## Tendency_cooc.H.PET	0.761689228	0.610673401	0.270933363
## Shade_cooc.H.PET	-0.405870424	-0.256672601	-0.082799433
## Prominence_cooc.H.PET	0.551066595	0.468207987	0.214289348
## IC1_d.H.PET	-0.090365057	-0.079822373	-0.116488176
## IC2_d.H.PET	0.740196583	0.556710809	0.289983086
## Coarseness_vdif.H.PET	0.484867988	0.209306498	0.033429777
## Contrast_vdif.H.PET	0.323835698	0.114381336	0.008353753
## Busyness_vdif.H.PET	-0.066600270	0.548406551	0.452690359

## Complexity_vdif.H.PET	0.687728984	0.342087236	0.020007838
## Strength_vdif.H.PET	0.062712799	-0.058665147	-0.085235372
## SRE_align.H.PET	0.922674629	0.691418445	0.285114123
## LRE_align.H.PET	0.634743359	0.399244473	0.271984315
## RLNU_align.H.PET	0.126412247	0.392523953	0.398929193
## RP_align.H.PET	0.911791559	0.681302694	0.273511168
## LGRE_align.H.PET	0.500156188	0.241642753	0.057960291
## HGRE_align.H.PET	0.892096340	0.619523933	0.293100326
## LGSRE_align.H.PET	0.498088155	0.239457939	0.056588825
## HGSRE_align.H.PET	0.921037345	0.677957121	0.292908648
## LGHRE_align.H.PET	0.511537392	0.252869743	0.067123069
## HGLRE_align.H.PET	0.459786463	0.224334499	0.178472181
## GLNU_norm_align.H.PET	0.539285113	0.274092469	0.147573640
## RLNU_norm_align.H.PET	0.861411703	0.649445989	0.246377805
## GLVAR_align.H.PET	0.769003386	0.606360359	0.247697171
## RLVAR_align.H.PET	0.303268987	0.141137799	0.172812083
## Entropy_align.H.PET	0.840615845	0.664366283	0.309783406
## SZSE.H.PET	0.794806586	0.646311383	0.260757771
## LZSE.H.PET	-0.034853958	-0.096023233	0.072811206
## LGLZE.H.PET	0.500259499	0.242920473	0.057084414
## HGLZE.H.PET	0.828007794	0.609504895	0.375211066
## SZLGE.H.PET	0.494217569	0.238680792	0.054833432
## SZHGE.H.PET	0.765870534	0.637206153	0.274589197
## LZLGE.H.PET	0.035546422	-0.064958250	0.077742959
## LZHGE.H.PET	-0.015417079	-0.108920167	0.037938535
## GLNU_area.H.PET	0.129409298	0.505014878	0.476530201
## ZSNU.H.PET	0.113043423	0.331843034	0.355136806
## ZSP.H.PET	0.620215725	0.511007569	0.176561877
## GLNU_norm.H.PET	0.561562723	0.262663466	0.121284752
## ZSNU_norm.H.PET	0.673894130	0.541971971	0.195694004
## GLVAR_area.H.PET	0.742856769	0.603130444	0.252762324
## ZSVAR.H.PET	-0.028596893	-0.099449679	0.060626911
## Entropy_area.H.PET	0.883985574	0.702770640	0.346618538
## Max_cooc.W.PET	0.399331883	0.135679480	0.036452113
## Average_cooc.W.PET	0.489161332	0.379288486	0.150948757
## Variance_cooc.W.PET	0.238509165	0.189139017	0.084372466
## Entropy_cooc.W.PET	0.797460692	0.637471844	0.273486151
## DAVE_cooc.W.PET	0.514913567	0.395654974	0.120233751
## DVAR_cooc.W.PET	0.273821921	0.202820056	0.055780048
## DENT_cooc.W.PET	0.785207323	0.620857038	0.244593605
## SAVE_cooc.W.PET	0.488297582	0.378932943	0.150879786
## SVAR_cooc.W.PET	0.212035613	0.178052939	0.097762904
## SENT_cooc.W.PET	0.842327414	0.653117524	0.265732970
## ASM_cooc.W.PET	0.441445097	0.154718068	0.044463839
## Contrast_cooc.W.PET	0.285928056	0.201004512	0.041713698
## Dissimilarity_cooc.W.PET	0.514913567	0.395654974	0.120233751
## Inv_diff_cooc.W.PET	0.746906319	0.484613129	0.258092065
## Inv_diff_norm_cooc.W.PET	0.941986324	0.711245936	0.336328972
## IDM_cooc.W.PET	0.626299731	0.378831618	0.218158806
## IDM_norm_cooc.W.PET	0.948536220	0.706045327	0.325667122
## Inv_var_cooc.W.PET	0.685867937	0.445351351	0.244117512
## Correlation_cooc.W.PET	0.618850469	0.480850989	0.299140506
## Autocorrelation_cooc.W.PET	0.238528709	0.179473117	0.087215153
## Tendency_cooc.W.PET	0.212035613	0.178052939	0.097762904

## Shade_cooc.W.PET	0.033011418	0.048132444	0.065480677
## Prominence_cooc.W.PET	0.005718182	0.016366533	0.065603628
## IC1_d.W.PET	-0.107176085	-0.080150668	-0.075650926
## IC2_d.W.PET	0.816965102	0.570901958	0.249201900
## Coarseness_vdif.W.PET	0.510701549	0.177110406	-0.041221419
## Contrast_vdif.W.PET	0.486962493	0.276153962	-0.013173206
## Busyness_vdif.W.PET	0.194779467	0.255931039	0.329491282
## Complexity_vdif.W.PET	0.149953962	0.131848148	0.101336197
## Strength_vdif.W.PET	0.238471456	0.164953665	0.016693362
## SRE_align.W.PET	0.944954631	0.699531891	0.300288614
## LRE_align.W.PET	0.847225479	0.568134365	0.301951554
## GLNU_align.W.PET	0.124308968	0.501858518	0.478172559
## RLNU_align.W.PET	0.123124828	0.403642200	0.405799543
## RP_align.W.PET	0.940467877	0.697061449	0.295191451
## LGRE_align.W.PET	0.518004665	0.271421687	0.148703370
## HGRE_align.W.PET	0.240223582	0.183508288	0.088587442
## LGSRE_align.W.PET	0.551865272	0.298927289	0.153275355
## HGSRE_align.W.PET	0.236153457	0.180359677	0.086123313
## LGHRE_align.W.PET	0.363422363	0.149310912	0.129832268
## HGLRE_align.W.PET	0.256757003	0.194966513	0.098187642
## GLNU_norm_align.W.PET	0.546582936	0.267872267	0.129285763
## RLNU_norm_align.W.PET	0.920136554	0.687418589	0.281715631
## GLVAR_align.W.PET	0.239256343	0.186950346	0.090440367
## RLVAR_align.W.PET	0.387240780	0.174079522	0.165102725
## Entropy_align.W.PET	0.842884208	0.665724986	0.303717721
## SZSE.W.PET	0.884933779	0.691162604	0.287605829
## LZSE.W.PET	0.175356604	-0.023078783	0.039201531
## LGLZE.W.PET	0.542461280	0.287733664	0.146933615
## HGLZE.W.PET	0.242396239	0.188395328	0.090141846
## SZLGE.W.PET	0.604778961	0.363288501	0.154366820
## SZHGE.W.PET	0.230336058	0.180660922	0.084014373
## LZLGE.W.PET	0.040837942	-0.090220913	0.040907234
## LZHGE.W.PET	0.306868044	0.150646276	0.061533807
## GLNU_area.W.PET	0.128855350	0.519968475	0.485998452
## ZSNU.W.PET	0.118718813	0.376433969	0.386655847
## ZSP.W.PET	0.812166579	0.651645269	0.263013135
## GLNU_norm.W.PET	0.568657141	0.275692726	0.124248340
## ZSNU_norm.W.PET	0.812361078	0.638260696	0.243869862
## GLVAR_area.W.PET	0.242038529	0.191609257	0.089216334
## ZSVAR.W.PET	0.085816692	-0.074010501	0.017619905
## Entropy_area.W.PET	0.881218013	0.687753287	0.329742672
## Min_hist.ADC	0.420443810	0.003786271	-0.283656740
## Max_hist.ADC	0.800983111	0.704150153	0.515239662
## Mean_hist.ADC	0.834279623	0.576519920	0.180752837
## Variance_hist.ADC	0.360341514	0.479715902	0.745007739
## Standard_Deviation_hist.ADC	0.634424103	0.646530965	0.695732605
## Skewness_hist.ADC	0.231138522	0.170781616	0.140947968
## Kurtosis_hist.ADC	0.261402157	0.167800494	-0.188825933
## Energy_hist.ADC	0.510996075	0.209964047	0.021824827
## Entropy_hist.ADC	0.876581891	0.721040549	0.423886098
## AUC_hist.ADC	0.920060691	0.724199638	0.377956777
## Volume.ADC	0.138578347	0.617290022	0.575105579
## X3D_surface.ADC	0.274198158	0.632571104	0.716856699
## ratio_3ds_vol.ADC	0.678076443	0.363104503	-0.079994092

## ratio_3ds_vol_norm.ADC	0.795700378	0.900062083	0.469558182
## irregularity.ADC	0.940004692	0.624832581	0.207008027
## Compactness_v1.ADC	0.760041009	0.301785013	0.076199847
##	Max_3D_diam.ADC	Major_axis_length.ADC	
## Failure	-0.203049050	-0.164756314	
## Entropy_cooc.W.ADC	0.269702128	0.270929848	
## GLNU_align.H.PET	0.193604435	0.166028122	
## Min_hist.PET	0.407182769	0.476292535	
## Max_hist.PET	0.493274481	0.557596934	
## Mean_hist.PET	0.435010147	0.495515814	
## Variance_hist.PET	0.268151912	0.302929615	
## Standard_Deviation_hist.PET	0.461288135	0.510027451	
## Skewness_hist.PET	0.348867499	0.447030898	
## Kurtosis_hist.PET	0.180421051	0.270700309	
## Energy_hist.PET	0.122259363	0.217254441	
## Entropy_hist.PET	0.698858147	0.761185313	
## AUC_hist.PET	0.642737643	0.731115489	
## H_suv.PET	0.465467792	0.503636477	
## Volume.PET	0.591459261	0.539115326	
## X3D_surface.PET	0.381366976	0.352301982	
## ratio_3ds_vol.PET	0.123548009	0.232050129	
## ratio_3ds_vol_norm.PET	0.355166482	0.439882784	
## irregularity.PET	0.532974864	0.638369757	
## tumor_length.PET	0.594277149	0.636969276	
## Compactness_v1.PET	0.305295473	0.388056299	
## Compactness_v2.PET	0.288360325	0.272125633	
## Spherical_disproportion.PET	0.355166482	0.439882784	
## Sphericity.PET	0.307607303	0.275733627	
## Asphericity.PET	0.340928844	0.424411845	
## Center_of_mass.PET	0.425471071	0.411858775	
## Max_3D_diam.PET	0.552814065	0.547122840	
## Major_axis_length.PET	0.556060097	0.563876100	
## Minor_axis_length.PET	0.714317148	0.729204052	
## Least_axis_length.PET	0.672223573	0.657443543	
## Elongation.PET	0.532757383	0.614910640	
## Flatness.PET	0.539942430	0.592327371	
## Max_cooc.L.PET	0.179347263	0.279819676	
## Average_cooc.L.PET	0.381802320	0.440131233	
## Variance_cooc.L.PET	0.152038837	0.204673443	
## Entropy_cooc.L.PET	0.642290361	0.709863731	
## DAVE_cooc.L.PET	0.281874737	0.339999418	
## DVAR_cooc.L.PET	0.206878617	0.271934973	
## DENT_cooc.L.PET	0.552054884	0.629781228	
## SAVE_cooc.L.PET	0.381760053	0.440003764	
## SVAR_cooc.L.PET	0.175639135	0.228553385	
## SENT_cooc.L.PET	0.561687507	0.647293607	
## ASM_cooc.L.PET	0.172037632	0.264582077	
## Contrast_cooc.L.PET	0.094054204	0.139136479	
## Dissimilarity_cooc.L.PET	0.281874737	0.339999418	
## Inv_diff_cooc.L.PET	0.653459502	0.752368348	
## Inv_diff_norm_cooc.L.PET	0.657563480	0.746983685	
## IDM_cooc.L.PET	0.603319418	0.704912628	
## IDM_norm_cooc.L.PET	0.647230715	0.735541032	
## Inv_var_cooc.L.PET	0.619396431	0.718435412	

## Correlation_cooc.L.PET	0.519381075	0.579216563
## Autocorrelation_cooc.L.PET	0.192462820	0.237989078
## Tendency_cooc.L.PET	0.175639135	0.228553385
## Shade_cooc.L.PET	0.079196905	0.127641723
## Prominence_cooc.L.PET	0.006154059	0.059707355
## IC1_.L.PET	0.082355433	0.033435820
## IC2_.L.PET	0.392373046	0.491298534
## Coarseness_vdif_.L.PET	0.065082064	0.168159582
## Contrast_vdif_.L.PET	-0.086453633	-0.047678124
## Busyness_vdif_.L.PET	0.546399623	0.501016937
## Complexity_vdif_.L.PET	0.265301468	0.332783979
## Strength_vdif_.L.PET	-0.126510589	-0.043078532
## SRE_align.L.PET	0.622750790	0.710580771
## LRE_align.L.PET	0.650376478	0.738699211
## GLNU_align.L.PET	0.471090284	0.439320735
## RLNU_align.L.PET	0.468141197	0.408754491
## RP_align.L.PET	0.619734949	0.707420366
## LGRE_align.L.PET	0.346142765	0.458452134
## HGRE_align.L.PET	0.213879899	0.255690202
## LGSRE_align.L.PET	0.346857667	0.459092180
## HGSRE_align.L.PET	0.209696806	0.251732297
## LGHRE_align.L.PET	0.341531670	0.453528859
## HGLRE_align.L.PET	0.230379296	0.271115322
## GLNU_norm_align.L.PET	0.354668771	0.477678865
## RLNU_norm_align.L.PET	0.609154374	0.696438900
## GLVAR_align.L.PET	0.196087376	0.243400037
## RLVAR_align.L.PET	0.459093039	0.557800545
## Entropy_align.L.PET	0.636858405	0.706940657
## SZSE.L.PET	0.610060447	0.696255445
## LZSE.L.PET	0.467025769	0.532307660
## LGLZE.L.PET	0.355861757	0.470416811
## HGLZE.L.PET	0.219639769	0.261873815
## SZLGE.L.PET	0.359027838	0.473603223
## SZHGE.L.PET	0.219682860	0.263032305
## LZLGE.L.PET	0.308202040	0.409392129
## LZHGE.L.PET	0.179817361	0.210241221
## GLNU_area.L.PET	0.478978191	0.442944243
## ZSNU.L.PET	0.473205709	0.409479435
## ZSP.L.PET	0.600989398	0.686582620
## GLNU_norm.L.PET	0.356878790	0.479082128
## ZSNU_norm.L.PET	0.582048249	0.667377348
## GLVAR_area.L.PET	0.204363537	0.253650880
## ZSVAR.L.PET	0.395399876	0.461354534
## Entropy_area.L.PET	0.651173556	0.722260954
## Max_cooc.H.PET	0.017034230	0.087487529
## Average_cooc.H.PET	0.563419601	0.657367409
## Variance_cooc.H.PET	0.617277865	0.672958294
## Entropy_cooc.H.PET	0.529913155	0.600633882
## DAVE_cooc.H.PET	0.558519287	0.623997861
## DVAR_cooc.H.PET	0.532454071	0.603375483
## DENT_cooc.H.PET	0.625519365	0.678472846
## SAVE_cooc.H.PET	0.603807910	0.694559107
## SVAR_cooc.H.PET	0.678543657	0.739021234
## SENT_cooc.H.PET	0.418528299	0.504838566

## ASM_cooc.H.PET	0.007914982	0.077437720
## Contrast_cooc.H.PET	0.483680868	0.541053057
## Dissimilarity_cooc.H.PET	0.558519287	0.623997861
## Inv_diff_cooc.H.PET	0.332541407	0.414931756
## Inv_diff_norm_cooc.H.PET	0.624797460	0.715037615
## IDM_cooc.H.PET	0.250280654	0.325539386
## IDM_norm_cooc.H.PET	0.630045070	0.718948807
## Inv_var_cooc_.H.PET	0.336175078	0.439306187
## Correlation_cooc.H.PET	0.533109377	0.586222072
## Autocorrelation_cooc.H.PET	0.492317644	0.589164545
## Tendency_cooc.H.PET	0.634262063	0.684039672
## Shade_cooc.H.PET	-0.274503542	-0.309857343
## Prominence_cooc.H.PET	0.548590782	0.572328274
## IC1_d.H.PET	-0.138337282	-0.122294553
## IC2_d.H.PET	0.563432461	0.636828381
## Coarseness_vdif.H.PET	0.142712268	0.234931817
## Contrast_vdif.H.PET	-0.038807926	0.016723653
## Busyness_vdif.H.PET	0.390435794	0.288096278
## Complexity_vdif.H.PET	0.262777474	0.361435492
## Strength_vdif.H.PET	-0.136861502	-0.111475269
## SRE_align.H.PET	0.629851833	0.713624152
## LRE_align.H.PET	0.347598010	0.410821657
## RLNU_align.H.PET	0.457319379	0.405666012
## RP_align.H.PET	0.619297182	0.702807334
## LGRE_align.H.PET	0.194505293	0.288165188
## HGRE_align.H.PET	0.511841352	0.603569568
## LGSRE_align.H.PET	0.192075132	0.285743797
## HGSRE_align.H.PET	0.560890232	0.653451494
## LGHRE_align.H.PET	0.207713636	0.300855197
## HGLRE_align.H.PET	0.204779353	0.252030999
## GLNU_norm_align.H.PET	0.144659594	0.224001438
## RLNU_norm_align.H.PET	0.596280437	0.674120277
## GLVAR_align.H.PET	0.614715512	0.667979912
## RLVAR_align.H.PET	0.155028261	0.181211213
## Entropy_align.H.PET	0.681274423	0.747367920
## SZSE.H.PET	0.618199258	0.688464500
## LZSE.H.PET	-0.022992204	-0.034850186
## LGLZE.H.PET	0.195740648	0.290463734
## HGLZE.H.PET	0.553900828	0.630331332
## SZLGE.H.PET	0.189920135	0.284630359
## SZHGE.H.PET	0.556432521	0.630502840
## LZLGE.H.PET	0.014660323	0.017096892
## LZHGE.H.PET	-0.050870494	-0.057625735
## GLNU_area.H.PET	0.508905129	0.442048134
## ZSNU.H.PET	0.410014682	0.366868549
## ZSP.H.PET	0.496182365	0.552969085
## GLNU_norm.H.PET	0.136016198	0.211759046
## ZSNU_norm.H.PET	0.536864567	0.597993045
## GLVAR_area.H.PET	0.614208605	0.666532081
## ZSVAR_H.PET	-0.030185437	-0.037728541
## Entropy_area.H.PET	0.700190507	0.772150812
## Max_cooc.W.PET	0.040581407	0.120682449
## Average_cooc.W.PET	0.454888455	0.503293536
## Variance_cooc.W.PET	0.253326256	0.289800732

## Entropy_cooc.W.PET	0.642765834	0.705947674
## DAVE_cooc.W.PET	0.414022737	0.464827091
## DVAR_cooc.W.PET	0.244273125	0.288018875
## DENT_cooc.W.PET	0.604317991	0.672430965
## SAVE_cooc.W.PET	0.454654169	0.502887535
## SVAR_cooc.W.PET	0.250803350	0.283742866
## SENT_cooc.W.PET	0.626499948	0.704968800
## ASM_cooc.W.PET	0.070597351	0.157739378
## Contrast_cooc.W.PET	0.237102144	0.279462790
## Dissimilarity_cooc.W.PET	0.414022737	0.464827091
## Inv_diff_cooc.W.PET	0.391227178	0.472123097
## Inv_diff_norm_cooc.W.PET	0.654425448	0.744130658
## IDM_cooc.W.PET	0.286828415	0.360963213
## IDM_norm_cooc.W.PET	0.646013769	0.734427609
## Inv_var_cooc.W.PET	0.343847962	0.420723317
## Correlation_cooc.W.PET	0.523576024	0.583651070
## Autocorrelation_cooc.W.PET	0.282192339	0.320589761
## Tendency_cooc.W.PET	0.250803350	0.283742866
## Shade_cooc.W.PET	0.068181535	0.077205954
## Prominence_cooc.W.PET	0.045195853	0.050681646
## IC1_d.W.PET	-0.112035127	-0.105875591
## IC2_d.W.PET	0.543488461	0.633343445
## Coarseness_vdif.W.PET	0.013721991	0.113892267
## Contrast_vdif.W.PET	0.220705361	0.277551624
## Busyness_vdif.W.PET	0.220975341	0.165099439
## Complexity_vdif.W.PET	0.198706119	0.236969295
## Strength_vdif.W.PET	0.051234447	0.136219885
## SRE_align.W.PET	0.634348030	0.720790361
## LRE_align.W.PET	0.515856271	0.594503465
## GLNU_align.W.PET	0.491767153	0.434932935
## RLNU_align.W.PET	0.461552056	0.407172755
## RP_align.W.PET	0.631711734	0.717874467
## LGRE_align.W.PET	0.147414398	0.223726063
## HGRE_align.W.PET	0.287162814	0.322525192
## LGSRE_align.W.PET	0.169144871	0.248315437
## HGSRE_align.W.PET	0.281390100	0.316865235
## LGHRE_align.W.PET	0.064481357	0.123077728
## HGLRE_align.W.PET	0.310242422	0.344848659
## GLNU_norm_align.W.PET	0.138209725	0.224067588
## RLNU_norm_align.W.PET	0.626352947	0.709805105
## GLVAR_align.W.PET	0.268809532	0.303496062
## RLVAR_align.W.PET	0.167356813	0.210325779
## Entropy_align.W.PET	0.676408955	0.742740664
## SZSE.W.PET	0.634991457	0.717246567
## LZSE.W.PET	-0.007901487	0.008364028
## LGLZE.W.PET	0.170835192	0.247959645
## HGLZE.W.PET	0.285746921	0.321388215
## SZLGE.W.PET	0.237457915	0.322245032
## SZHGE.W.PET	0.268895565	0.305308875
## LZLGE.W.PET	-0.079430413	-0.072382606
## LZHGE.W.PET	0.308087493	0.337962107
## GLNU_area.W.PET	0.511575307	0.450312948
## ZSNU.W.PET	0.441980872	0.392005529
## ZSP.W.PET	0.607354212	0.681926007

## GLNU_norm.W.PET	0.144196319	0.231400603
## ZSNU_norm.W.PET	0.598081914	0.672946631
## GLVAR_area.W.PET	0.270613060	0.306212648
## ZSVAR.W.PET	-0.045581329	-0.037306786
## Entropy_area.W.PET	0.691276673	0.761056870
## Min_hist.ADC	-0.208294762	-0.078009850
## Max_hist.ADC	0.797943266	0.855426300
## Mean_hist.ADC	0.470495187	0.583812294
## Variance_hist.ADC	0.606600702	0.641433077
## Standard_Deviation_hist.ADC	0.703874603	0.758775281
## Skewness_hist.ADC	0.226095182	0.203940132
## Kurtosis_hist.ADC	0.247853486	0.230384895
## Energy_hist.ADC	0.125952097	0.220514463
## Entropy_hist.ADC	0.783349749	0.854130866
## AUC_hist.ADC	0.691888110	0.751440764
## Volume.ADC	0.599886779	0.541341528
## X3D_surface.ADC	0.949630457	0.870602043
## ratio_3ds_vol.ADC	-0.072065098	0.054763689
## ratio_3ds_vol_norm.ADC	0.725702237	0.783256155
## irregularity.ADC	0.452557955	0.550662215
## Compactness_v1.ADC	0.293039114	0.399692193
##	Minor_axis_length.ADC	Least_axis_length.ADC
## Failure	-0.1949022961	-0.197847578
## Entropy_cooc.W.ADC	0.2526520258	0.243986020
## GLNU_align.H.PET	0.1974024377	0.195503488
## Min_hist.PET	0.3861568858	0.392240350
## Max_hist.PET	0.4816305928	0.469732884
## Mean_hist.PET	0.4125785096	0.427336289
## Variance_hist.PET	0.2474689620	0.269453652
## Standard_Deviation_hist.PET	0.4497279136	0.454459841
## Skewness_hist.PET	0.3896974521	0.273020822
## Kurtosis_hist.PET	0.2269955968	0.087673240
## Energy_hist.PET	0.1339499168	0.105084357
## Entropy_hist.PET	0.6932361645	0.671867068
## AUC_hist.PET	0.6649443362	0.613102432
## H_suv.PET	0.4575269819	0.477730655
## Volume.PET	0.5539943972	0.544334121
## X3D_surface.PET	0.3829825047	0.350951897
## ratio_3ds_vol.PET	0.1696125499	0.103863155
## ratio_3ds_vol_norm.PET	0.4071615918	0.339743287
## irregularity.PET	0.5582243367	0.501139242
## tumor_length.PET	0.6162910542	0.561058523
## Compactness_v1.PET	0.3104205883	0.286388284
## Compactness_v2.PET	0.2831453884	0.274702683
## Spherical_disproportion.PET	0.4071615918	0.339743287
## Sphericity.PET	0.2877840068	0.298570212
## Asphericity.PET	0.3930077661	0.326080037
## Center_of_mass.PET	0.4271151454	0.395680908
## Max_3D_diam.PET	0.5313149163	0.526707265
## Major_axis_length.PET	0.5361398996	0.534949181
## Minor_axis_length.PET	0.7235738175	0.674880966
## Least_axis_length.PET	0.6721383421	0.642587087
## Elongation.PET	0.5789993413	0.501824017
## Flatness.PET	0.5754288321	0.521003176

## Max_cooc.L.PET	0.1939601904	0.157170093
## Average_cooc.L.PET	0.3960413246	0.398551014
## Variance_cooc.L.PET	0.1804552116	0.168453154
## Entropy_cooc.L.PET	0.6655679111	0.633029349
## DAVE_cooc.L.PET	0.3087063687	0.293161524
## DVAR_cooc.L.PET	0.2603196220	0.198539206
## DENT_cooc.L.PET	0.5773653653	0.540936929
## SAVE_cooc.L.PET	0.3959904802	0.398532203
## SVAR_cooc.L.PET	0.2044397664	0.190230181
## SENT_cooc.L.PET	0.5872182723	0.546624568
## ASM_cooc.L.PET	0.1850671286	0.154793362
## Contrast_cooc.L.PET	0.1180340018	0.111160264
## Dissimilarity_cooc.L.PET	0.3087063687	0.293161524
## Inv_diff_cooc.L.PET	0.6751580253	0.598629534
## Inv_diff_norm_cooc.L.PET	0.6825140152	0.625830272
## IDM_cooc.L.PET	0.6245431851	0.542572796
## IDM_norm_cooc.L.PET	0.6725693017	0.618265264
## Inv_var_cooc.L.PET	0.6398977929	0.559724916
## Correlation_cooc.L.PET	0.5345627085	0.485684317
## Autocorrelation_cooc.L.PET	0.2028418376	0.220740635
## Tendency_cooc.L.PET	0.2044397664	0.190230181
## Shade_cooc.L.PET	0.0934920621	0.053161653
## Prominence_cooc.L.PET	0.0326938058	0.016299882
## IC1_.L.PET	0.0549859266	0.093413288
## IC2_.L.PET	0.4284873787	0.377806635
## Coarseness_vdif_.L.PET	0.0833862069	0.048359031
## Contrast_vdif_.L.PET	-0.0857955986	-0.098093024
## Busyness_vdif_.L.PET	0.5245372248	0.495294620
## Complexity_vdif_.L.PET	0.2951590378	0.265779845
## Strength_vdif_.L.PET	-0.1080776636	-0.162401106
## SRE_align.L.PET	0.6488222407	0.597595801
## LRE_align.L.PET	0.6771106613	0.619080014
## GLNU_align.L.PET	0.4647746632	0.421765083
## RLNU_align.L.PET	0.4463348581	0.441931510
## RP_align.L.PET	0.6458764156	0.595148788
## LGRE_align.L.PET	0.3854477813	0.276720418
## HGRE_align.L.PET	0.2242731210	0.244125131
## LGSRE_align.L.PET	0.3860556715	0.278799288
## HGSRE_align.L.PET	0.2204355017	0.239578958
## LGHRE_align.L.PET	0.3813011757	0.267177999
## HGLRE_align.L.PET	0.2394228343	0.262071783
## GLNU_norm_align.L.PET	0.3796693951	0.302949301
## RLNU_norm_align.L.PET	0.6356401509	0.586407333
## GLVAR_align.L.PET	0.2226669924	0.220659751
## RLVAR_align.L.PET	0.4777080742	0.414492511
## Entropy_align.L.PET	0.6602671877	0.626318471
## SZSE.L.PET	0.6329541667	0.585274447
## LZSE.L.PET	0.4976190048	0.442407888
## LGLZE.L.PET	0.3956961532	0.285735651
## HGLZE.L.PET	0.2310829110	0.248585321
## SZLGE.L.PET	0.3963020995	0.292460592
## SZHGE.L.PET	0.2308703709	0.244859187
## LZLGE.L.PET	0.3528495776	0.228773204
## LZHGE.L.PET	0.1895916744	0.217966824

## GLNU_area.L.PET	0.4692082988	0.431382159
## ZSNU.L.PET	0.4484638542	0.448920996
## ZSP.L.PET	0.6244442927	0.578576283
## GLNU_norm.L.PET	0.3814139189	0.306142379
## ZSNU_norm.L.PET	0.6075789022	0.564233953
## GLVAR_area.L.PET	0.2322023014	0.227687036
## ZSVAR.L.PET	0.4265327102	0.356320459
## Entropy_area.L.PET	0.6748182631	0.637183062
## Max_cooc.H.PET	0.0363828304	-0.011195405
## Average_cooc.H.PET	0.5946621295	0.532287795
## Variance_cooc.H.PET	0.6271845673	0.611645977
## Entropy_cooc.H.PET	0.5452396387	0.506583073
## DAVE_cooc.H.PET	0.5755552268	0.551049472
## DVAR_cooc.H.PET	0.5399442102	0.525350066
## DENT_cooc.H.PET	0.6466491846	0.624789446
## SAVE_cooc.H.PET	0.6301050576	0.571654081
## SVAR_cooc.H.PET	0.6741990530	0.664188736
## SENT_cooc.H.PET	0.4399880983	0.408126971
## ASM_cooc.H.PET	0.0247492382	-0.009527745
## Contrast_cooc.H.PET	0.4937268512	0.485537229
## Dissimilarity_cooc.H.PET	0.5755552268	0.551049472
## Inv_diff_cooc.H.PET	0.3630922758	0.299253801
## Inv_diff_norm_cooc.H.PET	0.6518611826	0.595693301
## IDM_cooc.H.PET	0.2803855212	0.219076008
## IDM_norm_cooc.H.PET	0.6568516693	0.601958979
## Inv_var_cooc_.H.PET	0.3458529750	0.316532836
## Correlation_cooc.H.PET	0.5495736912	0.504991016
## Autocorrelation_cooc.H.PET	0.5259449541	0.458745082
## Tendency_cooc.H.PET	0.6432065082	0.625090475
## Shade_cooc.H.PET	-0.2756583469	-0.276869986
## Prominence_cooc.H.PET	0.5438872913	0.552857976
## IC1_d.H.PET	-0.1516212802	-0.120808449
## IC2_d.H.PET	0.5752484409	0.526761906
## Coarseness_vdif.H.PET	0.1551138649	0.128508305
## Contrast_vdif.H.PET	-0.0259437205	-0.054453842
## Busyness_vdif.H.PET	0.3353296024	0.363729678
## Complexity_vdif.H.PET	0.2941270662	0.257554779
## Strength_vdif.H.PET	-0.1398492019	-0.134706999
## SRE_align.H.PET	0.6512399757	0.607447415
## LRE_align.H.PET	0.3759086007	0.317639441
## RLNU_align.H.PET	0.4325363324	0.434768044
## RP_align.H.PET	0.6392456737	0.598300265
## LGRE_align.H.PET	0.2011410084	0.180333313
## HGRE_align.H.PET	0.5424005937	0.480025574
## LGSRE_align.H.PET	0.1987017344	0.177981075
## HGSRE_align.H.PET	0.5889089770	0.529077204
## LGHRE_align.H.PET	0.2148655247	0.192981781
## HGLRE_align.H.PET	0.2326704888	0.185463172
## GLNU_norm_align.H.PET	0.1783393218	0.116516741
## RLNU_norm_align.H.PET	0.6127335165	0.578853545
## GLVAR_align.H.PET	0.6185003418	0.611442618
## RLVAR_align.H.PET	0.1837028737	0.132799662
## Entropy_align.H.PET	0.6906411015	0.664180796
## SZSE.H.PET	0.6286379289	0.601048228

## LZSE.H.PET	-0.0123779065	-0.026004460
## LGLZE.H.PET	0.2011633854	0.181180792
## HGLZE.H.PET	0.5862463882	0.532195579
## SZLGE.H.PET	0.1953545329	0.175298566
## SZHGE.H.PET	0.5783623768	0.526132256
## LZLGE.H.PET	0.0254038928	0.002312997
## LZHGE.H.PET	-0.0410270168	-0.054639188
## GLNU_area.H.PET	0.4894879264	0.473139483
## ZSNU.H.PET	0.3801158975	0.395801643
## ZSP.H.PET	0.4973551026	0.488169473
## GLNU_norm.H.PET	0.1730943878	0.111256634
## ZSNU_norm.H.PET	0.5399726165	0.528239656
## GLVAR_area.H.PET	0.6171785791	0.615191471
## ZSVAR.H.PET	-0.0214331645	-0.037807704
## Entropy_area.H.PET	0.7165339796	0.676219373
## Max_cooc.W.PET	0.0531049374	0.020472314
## Average_cooc.W.PET	0.4343334742	0.455837936
## Variance_cooc.W.PET	0.2348046113	0.250328354
## Entropy_cooc.W.PET	0.6507330350	0.628460655
## DAVE_cooc.W.PET	0.4070889118	0.410116755
## DVAR_cooc.W.PET	0.2232174788	0.243650684
## DENT_cooc.W.PET	0.6124647549	0.588253191
## SAVE_cooc.W.PET	0.4340705675	0.455631415
## SVAR_cooc.W.PET	0.2326802170	0.246118180
## SENT_cooc.W.PET	0.6390844271	0.605824649
## ASM_cooc.W.PET	0.0848798024	0.054808199
## Contrast_cooc.W.PET	0.2191764371	0.238806749
## Dissimilarity_cooc.W.PET	0.4070889118	0.410116755
## Inv_diff_cooc.W.PET	0.4245415475	0.360922727
## Inv_diff_norm_cooc.W.PET	0.6796261030	0.622761556
## IDM_cooc.W.PET	0.3185679262	0.257568756
## IDM_norm_cooc.W.PET	0.6714309489	0.617002305
## Inv_var_cooc.W.PET	0.3773517862	0.311563499
## Correlation_cooc.W.PET	0.5382339705	0.489758792
## Autocorrelation_cooc.W.PET	0.2491850952	0.289528257
## Tendency_cooc.W.PET	0.2326802170	0.246118180
## Shade_cooc.W.PET	0.0668461821	0.063062521
## Prominence_cooc.W.PET	0.0393333396	0.048019139
## IC1_d.W.PET	-0.1237305773	-0.089234177
## IC2_d.W.PET	0.5593550887	0.506019776
## Coarseness_vdif.W.PET	0.0276026919	-0.005358964
## Contrast_vdif.W.PET	0.2253897763	0.222431473
## Busyness_vdif.W.PET	0.2314399530	0.212877896
## Complexity_vdif.W.PET	0.1853843094	0.194785521
## Strength_vdif.W.PET	0.0654725768	-0.006807614
## SRE_align.W.PET	0.6584641994	0.609310251
## LRE_align.W.PET	0.5487137307	0.487953062
## GLNU_align.W.PET	0.4846255507	0.442890507
## RLNU_align.W.PET	0.4389155129	0.436458441
## RP_align.W.PET	0.6549547496	0.607421174
## LGRE_align.W.PET	0.1878132506	0.114649624
## HGRE_align.W.PET	0.2561866083	0.297390937
## LGSRE_align.W.PET	0.2117569186	0.135312293
## HGSRE_align.W.PET	0.2506068913	0.291379403

## LGHRE_align.W.PET	0.0959773234	0.038237339
## HGLRE_align.W.PET	0.2788288469	0.321511504
## GLNU_norm_align.W.PET	0.1686003427	0.111130553
## RLNU_norm_align.W.PET	0.6479602499	0.603815453
## GLVAR_align.W.PET	0.2480697123	0.270101328
## RLVAR_align.W.PET	0.1968982751	0.146801388
## Entropy_align.W.PET	0.6864905048	0.659829636
## SZSE.W.PET	0.6503332706	0.609767120
## LZSE.W.PET	0.0126718525	-0.021650356
## LGLZE.W.PET	0.2152051486	0.140555248
## HGLZE.W.PET	0.2560699603	0.294174885
## SZLGE.W.PET	0.2816773083	0.205414615
## SZHGE.W.PET	0.2397397679	0.275564717
## LZLGE.W.PET	-0.0692829452	-0.083543753
## LZHGE.W.PET	0.2919802749	0.319620999
## GLNU_area.W.PET	0.4978280742	0.467330271
## ZSNU.W.PET	0.4150478754	0.421103816
## ZSP.W.PET	0.6169328873	0.589051614
## GLNU_norm.W.PET	0.1757516542	0.117803997
## ZSNU_norm.W.PET	0.6073810698	0.578825380
## GLVAR_area.W.PET	0.2510086378	0.271188123
## ZSVAR.W.PET	-0.0292609389	-0.059993385
## Entropy_area.W.PET	0.7075064429	0.670924201
## Min_hist.ADC	-0.2092282338	-0.255832442
## Max_hist.ADC	0.8082863584	0.775828504
## Mean_hist.ADC	0.4905558369	0.410066505
## Variance_hist.ADC	0.5758543811	0.576862919
## Standard_Deviation_hist.ADC	0.6878574233	0.679844842
## Skewness_hist.ADC	0.2134032544	0.291646218
## Kurtosis_hist.ADC	0.3150951115	0.238687598
## Energy_hist.ADC	0.1393341264	0.113718035
## Entropy_hist.ADC	0.8028969842	0.757374712
## AUC_hist.ADC	0.7078764796	0.681184073
## Volume.ADC	0.5607363703	0.558930431
## X3D_surface.ADC	0.9100475593	0.935607369
## ratio_3ds_vol.ADC	-0.0616656941	-0.103708246
## ratio_3ds_vol_norm.ADC	0.7241492596	0.663469900
## irregularity.ADC	0.4763973637	0.434159686
## Compactness_v1.ADC	0.3234690989	0.294802760
##	Elongation.ADC	Flatness.ADC
## Failure	-0.083330417	-0.0894104372
## Entropy_cooc.W.ADC	0.061416693	0.0656434655
## GLNU_align.H.PET	0.041545956	0.0658392013
## Min_hist.PET	0.405554162	0.4118104298
## Max_hist.PET	0.444151986	0.4435154671
## Mean_hist.PET	0.414100594	0.4349889932
## Variance_hist.PET	0.192950094	0.2200820679
## Standard_Deviation_hist.PET	0.452639015	0.4643937386
## Skewness_hist.PET	0.452364104	0.3329457100
## Kurtosis_hist.PET	0.114371420	-0.0081474494
## Energy_hist.PET	0.321771237	0.2928343813
## Entropy_hist.PET	0.754875736	0.7646314013
## AUC_hist.PET	0.859021987	0.8162825959
## H_suv.PET	0.489485409	0.5128308503
	Max_cooc.L.ADC	
	0.039822683	
	-0.012269764	
	0.052876943	
	0.146042675	
	0.185721395	
	0.151963220	
	0.078505348	
	0.209005017	
	0.343769678	
	0.165975947	
	0.947711655	
	0.362014054	
	0.566889751	
	0.312082711	

## Volume.PET	0.331641968	0.3679264130	-0.048245345
## X3D_surface.PET	0.285493088	0.2735382849	0.138664883
## ratio_3ds_vol.PET	0.451336105	0.3604247244	0.642263530
## ratio_3ds_vol_norm.PET	0.536385044	0.4727207170	0.668158676
## irregularity.PET	0.804757709	0.7452997348	0.518988001
## tumor_length.PET	0.585357888	0.5582185773	0.382107446
## Compactness_v1.PET	0.430665925	0.4228250835	0.909178613
## Compactness_v2.PET	0.205125153	0.2101530549	-0.212199678
## Spherical_disproportion.PET	0.536385044	0.4727207170	0.668158676
## Sphericity.PET	0.202867973	0.2271337997	-0.344508070
## Asphericity.PET	0.517886459	0.4545484074	0.664468172
## Center_of_mass.PET	0.391146609	0.3665711496	0.229478779
## Max_3D_diam.PET	0.415663685	0.4426302414	-0.073492817
## Major_axis_length.PET	0.446400579	0.4768651838	0.054617910
## Minor_axis_length.PET	0.643239116	0.6265326764	0.238900428
## Least_axis_length.PET	0.568582834	0.5756363146	0.114344345
## Elongation.PET	0.777963320	0.7008571900	0.543576254
## Flatness.PET	0.742310246	0.7017416449	0.435288161
## Max_cooc.L.PET	0.350695911	0.3221288941	0.966303602
## Average_cooc.L.PET	0.683147177	0.6819243009	0.400413889
## Variance_cooc.L.PET	0.544041340	0.5071537442	0.339653178
## Entropy_cooc.L.PET	0.870708102	0.8495325461	0.454520892
## DAVE_cooc.L.PET	0.645232732	0.6105596659	0.397034893
## DVAR_cooc.L.PET	0.594594414	0.5043335458	0.435099967
## DENT_cooc.L.PET	0.838915847	0.8015546766	0.481656460
## SAVE_cooc.L.PET	0.683031049	0.6818273183	0.399387581
## SVAR_cooc.L.PET	0.556511653	0.5221326520	0.326691941
## SENT_cooc.L.PET	0.843031782	0.8047594950	0.561759842
## ASM_cooc.L.PET	0.334577425	0.3132845106	0.969288350
## Contrast_cooc.L.PET	0.450949521	0.4150450437	0.314245274
## Dissimilarity_cooc.L.PET	0.645232732	0.6105596659	0.397034893
## Inv_diff_cooc.L.PET	0.732986043	0.6798970208	0.599943114
## Inv_diff_norm_cooc.L.PET	0.861568342	0.8163306781	0.528890707
## IDM_cooc.L.PET	0.649936696	0.5931348285	0.641987705
## IDM_norm_cooc.L.PET	0.864772630	0.8204090158	0.526475727
## Inv_var_cooc.L.PET	0.658589148	0.6043163615	0.643795248
## Correlation_cooc.L.PET	0.585647285	0.5582506736	0.364145793
## Autocorrelation_cooc.L.PET	0.490167598	0.4995855027	0.315556036
## Tendency_cooc.L.PET	0.556511653	0.5221326520	0.326691941
## Shade_cooc.L.PET	0.263727781	0.2019654179	0.138026623
## Prominence_cooc.L.PET	0.369597444	0.3258614860	0.246550814
## IC1_.L.PET	-0.248804291	-0.1587070174	0.056099342
## IC2_.L.PET	0.752388263	0.6859595171	0.556124601
## Coarseness_vdif_.L.PET	0.336341078	0.2881536535	0.883882706
## Contrast_vdif_.L.PET	0.124607830	0.0808714442	0.198847670
## Busyness_vdif_.L.PET	0.347695054	0.3459848861	0.047348236
## Complexity_vdif_.L.PET	0.608119935	0.5565733551	0.454325704
## Strength_vdif_.L.PET	0.151201944	0.0549707003	0.274382773
## SRE_align.L.PET	0.863832370	0.8194275511	0.530961692
## LRE_align.L.PET	0.861906212	0.8141792816	0.515314430
## GLNU_align.L.PET	0.301966294	0.2842855694	0.042691506
## RLNU_align.L.PET	0.288153150	0.3097367987	-0.016295077
## RP_align.L.PET	0.863605882	0.8193558761	0.530816257
## LGRE_align.L.PET	0.520397162	0.4132135714	0.678006976

## HGRE_align.L.PET	0.513384392	0.5226980524	0.331447462
## LGSRE_align.L.PET	0.525027823	0.4190721221	0.688067425
## HGSRE_align.L.PET	0.511695388	0.5196761179	0.332411754
## LGHRE_align.L.PET	0.499624424	0.3882074653	0.636271180
## HGLRE_align.L.PET	0.518972527	0.5336561311	0.326311105
## GLNU_norm_align.L.PET	0.533596522	0.4651817489	0.903430395
## RLNU_norm_align.L.PET	0.862124140	0.8183013048	0.531139008
## GLVAR_align.L.PET	0.575266988	0.5547478418	0.350011396
## RLVAR_align.L.PET	0.536097764	0.4968133729	0.840851302
## Entropy_align.L.PET	0.869701387	0.8456095361	0.467075332
## SZSE.L.PET	0.838963907	0.7981978670	0.533412081
## LZSE.L.PET	0.622903885	0.5776977901	0.331349314
## LGLZE.L.PET	0.529769691	0.4215658646	0.692001853
## HGLZE.L.PET	0.523725682	0.5300064203	0.335274505
## SZLGE.L.PET	0.534343575	0.4320824021	0.722037209
## SZHGE.L.PET	0.517337311	0.5196455021	0.342342068
## LZLGE.L.PET	0.430765858	0.3125338732	0.498122373
## LZHGE.L.PET	0.437756985	0.4602733644	0.240790297
## GLNU_area.L.PET	0.303228343	0.2911940283	0.035904723
## ZSNU.L.PET	0.289166694	0.3160792291	-0.026674377
## ZSP.L.PET	0.845293383	0.8044268134	0.529805857
## GLNU_norm.L.PET	0.534738857	0.4684877496	0.906964273
## ZSNU_norm.L.PET	0.848980237	0.8085584115	0.527520074
## GLVAR_area.L.PET	0.585254231	0.5619053752	0.359491386
## ZSVAR.L.PET	0.411424837	0.3663924470	0.376476212
## Entropy_area.L.PET	0.871703444	0.8455388583	0.467391050
## Max_cooc.H.PET	0.199101169	0.1551296229	0.389977560
## Average_cooc.H.PET	0.830606643	0.7737935468	0.494457171
## Variance_cooc.H.PET	0.757880245	0.7488954466	0.395847963
## Entropy_cooc.H.PET	0.708032646	0.6778538514	0.355609668
## DAVE_cooc.H.PET	0.767563886	0.7422452735	0.422050014
## DVAR_cooc.H.PET	0.716964453	0.7039040632	0.429042060
## DENT_cooc.H.PET	0.708010993	0.7099749640	0.262331178
## SAVE_cooc.H.PET	0.839955016	0.7870417711	0.478991027
## SVAR_cooc.H.PET	0.739707505	0.7484275021	0.387863380
## SENT_cooc.H.PET	0.609681941	0.5775923861	0.628050900
## ASM_cooc.H.PET	0.180684697	0.1539075432	0.475365214
## Contrast_cooc.H.PET	0.673253129	0.6623491267	0.382205386
## Dissimilarity_cooc.H.PET	0.767563886	0.7422452735	0.422050014
## Inv_diff_cooc.H.PET	0.554612068	0.5012193743	0.488043340
## Inv_diff_norm_cooc.H.PET	0.859604457	0.8123142188	0.537090945
## IDM_cooc.H.PET	0.461829295	0.4100884165	0.450090082
## IDM_norm_cooc.H.PET	0.864334936	0.8177568628	0.530893631
## Inv_var_cooc.H.PET	0.470884570	0.4508361186	0.895587978
## Correlation_cooc.H.PET	0.604756778	0.5803078569	0.365440708
## Autocorrelation_cooc.H.PET	0.769965424	0.7084239091	0.481918724
## Tendency_cooc.H.PET	0.735823608	0.7286808115	0.367697802
## Shade_cooc.H.PET	-0.351976695	-0.3585008716	-0.189207973
## Prominence_cooc.H.PET	0.554010168	0.5781108229	0.242022985
## IC1_d.H.PET	-0.133023016	-0.1021784034	0.347344713
## IC2_d.H.PET	0.673205358	0.6377996548	0.420928062
## Coarseness_vdif.H.PET	0.322557265	0.3015901636	0.962490451
## Contrast_vdif.H.PET	0.166345020	0.1157169579	0.256872638
## Busyness_vdif.H.PET	0.156930533	0.2004406732	-0.295606825

## Complexity_vdif.H.PET	0.555614049	0.5077518009	0.677533617
## Strength_vdif.H.PET	-0.060946000	-0.0567230502	0.101483597
## SRE_align.H.PET	0.844488940	0.8057772492	0.509847326
## LRE_align.H.PET	0.547064621	0.4994922898	0.349468277
## RLNU_align.H.PET	0.271347535	0.2994161308	-0.006494801
## RP_align.H.PET	0.831559822	0.7944686798	0.503317427
## LGRE_align.H.PET	0.342332814	0.3326490088	0.966360824
## HGRE_align.H.PET	0.775708324	0.7181147442	0.480401296
## LGSRE_align.H.PET	0.339961127	0.3303008578	0.966223822
## HGSRE_align.H.PET	0.820429826	0.7610194231	0.488427593
## LGHRE_align.H.PET	0.356190196	0.3458045952	0.967176204
## HGLRE_align.H.PET	0.365971379	0.3309853431	0.257880272
## GLNU_norm_align.H.PET	0.399787697	0.3399678732	0.451465451
## RLNU_norm_align.H.PET	0.789406332	0.7572338621	0.474182024
## GLVAR_align.H.PET	0.724696897	0.7281293424	0.371369068
## RLVAR_align.H.PET	0.262294383	0.2242001584	0.215394810
## Entropy_align.H.PET	0.794588658	0.7831497180	0.398328962
## SZSE.H.PET	0.749184921	0.7285179657	0.444582498
## LZSE.H.PET	-0.027977090	-0.0407162632	-0.079132553
## LGLZE.H.PET	0.340336729	0.3318091034	0.964475536
## HGLZE.H.PET	0.768669839	0.7300547727	0.412337835
## SZLGE.H.PET	0.334225443	0.3255364171	0.964372978
## SZHGE.H.PET	0.726037599	0.6699464652	0.386537919
## LZLGE.H.PET	0.020266454	-0.0015775379	0.051933142
## LZHGE.H.PET	-0.038886283	-0.0504008268	-0.035517259
## GLNU_area.H.PET	0.335782438	0.3456130877	-0.006171150
## ZSNU.H.PET	0.219025610	0.2587362021	-0.025968413
## ZSP.H.PET	0.582005349	0.5729418863	0.319869733
## GLNU_norm.H.PET	0.419948180	0.3580790479	0.460179201
## ZSNU_norm.H.PET	0.631899167	0.6231708092	0.365311032
## GLVAR_area.H.PET	0.709545588	0.7210415834	0.354969266
## ZSVAR.H.PET	-0.034780046	-0.0505640961	-0.055542344
## Entropy_area.H.PET	0.837781071	0.8144368017	0.441823216
## Max_cooc.W.PET	0.218133514	0.1938692329	0.607547040
## Average_cooc.W.PET	0.425830392	0.4612614936	0.177740980
## Variance_cooc.W.PET	0.193131817	0.2096853344	0.085056870
## Entropy_cooc.W.PET	0.756485649	0.7444082674	0.367068280
## DAVE_cooc.W.PET	0.461500600	0.4638212121	0.206604412
## DVAR_cooc.W.PET	0.206619343	0.2244235014	0.079761067
## DENT_cooc.W.PET	0.734094555	0.7149372759	0.375832877
## SAVE_cooc.W.PET	0.425258705	0.4607303262	0.175792382
## SVAR_cooc.W.PET	0.176492312	0.1927350891	0.085307202
## SENT_cooc.W.PET	0.783567349	0.7570753087	0.485298394
## ASM_cooc.W.PET	0.255771255	0.2350683889	0.777982683
## Contrast_cooc.W.PET	0.219042447	0.2349512913	0.075584177
## Dissimilarity_cooc.W.PET	0.461500600	0.4638212121	0.206604412
## Inv_diff_cooc.W.PET	0.636427295	0.5819302895	0.513443380
## Inv_diff_norm_cooc.W.PET	0.861211139	0.8155750754	0.530411194
## IDM_cooc.W.PET	0.513018313	0.4604685137	0.466361126
## IDM_norm_cooc.W.PET	0.864653329	0.8199714371	0.527267681
## Inv_var_cooc.W.PET	0.583775388	0.5245657164	0.509112147
## Correlation_cooc.W.PET	0.585242262	0.5584219015	0.362370880
## Autocorrelation_cooc.W.PET	0.166899073	0.2220027531	0.046877695
## Tendency_cooc.W.PET	0.176492312	0.1927350891	0.085307202

## Shade_cooc.W.PET	0.041164775	0.0310299512	0.068530667
## Prominence_cooc.W.PET	0.006954413	0.0143809184	0.038174816
## IC1_d.W.PET	-0.130132065	-0.0828264368	0.410248954
## IC2_d.W.PET	0.713487165	0.6635301813	0.474354433
## Coarseness_vdif.W.PET	0.290264837	0.2371803776	0.808064450
## Contrast_vdif.W.PET	0.392789721	0.3741130784	0.293108054
## Busyness_vdif.W.PET	0.294675555	0.2953916343	-0.041034824
## Complexity_vdif.W.PET	0.107842551	0.1240430960	0.066810973
## Strength_vdif.W.PET	0.159998808	0.0588161956	0.190638682
## SRE_align.W.PET	0.861120837	0.8182509333	0.523123241
## LRE_align.W.PET	0.750754438	0.7012446914	0.465534124
## GLNU_align.W.PET	0.338238761	0.3237046714	-0.008014787
## RLNU_align.W.PET	0.279935291	0.3030689124	-0.006563928
## RP_align.W.PET	0.856765416	0.8149387099	0.519891347
## LGRE_align.W.PET	0.405897693	0.3326771526	0.431162064
## HGRE_align.W.PET	0.175086207	0.2303957060	0.041449024
## LGSRE_align.W.PET	0.441731148	0.3636806245	0.464253055
## HGSRE_align.W.PET	0.170784864	0.2250104652	0.039418272
## LGHRE_align.W.PET	0.256311990	0.2037539029	0.285723390
## HGLRE_align.W.PET	0.193065774	0.2524858394	0.049449946
## GLNU_norm_align.W.PET	0.390321544	0.3359703223	0.546124375
## RLNU_norm_align.W.PET	0.842562300	0.8026889845	0.506975348
## GLVAR_align.W.PET	0.192824482	0.2200691444	0.076748662
## RLVAR_align.W.PET	0.310272517	0.2732937266	0.353817334
## Entropy_align.W.PET	0.796277340	0.7833075530	0.398964910
## SZSE.W.PET	0.810975785	0.7763927476	0.503567178
## LZSE.W.PET	0.104207354	0.0726752440	0.098426532
## LGLZE.W.PET	0.439033576	0.3659488579	0.458924613
## HGLZE.W.PET	0.179418451	0.2303623367	0.043246059
## SZLGE.W.PET	0.508264917	0.4326481716	0.551024020
## SZHGE.W.PET	0.166120505	0.2129711963	0.037369603
## LZLGE.W.PET	-0.020527651	-0.0300821995	0.002537919
## LZHGE.W.PET	0.242469925	0.2884250831	0.100729791
## GLNU_area.W.PET	0.343322841	0.3401071188	-0.004788066
## ZSNU.W.PET	0.253596492	0.2844008250	-0.012849813
## ZSP.W.PET	0.753012762	0.7288272690	0.441729365
## GLNU_norm.W.PET	0.410263386	0.3540740711	0.564042991
## ZSNU_norm.W.PET	0.747251858	0.7205034583	0.447081034
## GLVAR_area.W.PET	0.197367437	0.2226387667	0.082749954
## ZSVAR.W.PET	0.028375022	-0.0006107057	0.058923889
## Entropy_area.W.PET	0.833488392	0.8129156396	0.427161332
## Min_hist.ADC	0.047966020	-0.0067966075	0.207131711
## Max_hist.ADC	0.802609873	0.7957349459	0.451615831
## Mean_hist.ADC	0.679980951	0.5914028944	0.433603478
## Variance_hist.ADC	0.401618622	0.4338087352	0.270979722
## Standard_Deviation_hist.ADC	0.639539224	0.6591160141	0.383402497
## Skewness_hist.ADC	0.218599490	0.3353086496	0.192296198
## Kurtosis_hist.ADC	0.391515983	0.2859991436	0.270330882
## Energy_hist.ADC	0.330050261	0.3107295970	0.965361970
## Entropy_hist.ADC	0.872812520	0.8489168291	0.448786923
## AUC_hist.ADC	0.868977926	0.8583582140	0.552172383
## Volume.ADC	0.326710723	0.3724493181	-0.053902640
## X3D_surface.ADC	0.524083724	0.5980785554	0.206625830
## ratio_3ds_vol.ADC	0.376556385	0.3059287624	0.473476282

## ratio_3ds_vol_norm.ADC	0.823952464	0.7714361744	0.454377433
## irregularity.ADC	0.779383271	0.7356561329	0.520373179
## Compactness_v1.ADC	0.561962364	0.5438235376	0.931435793
##	Average_cooc.L.ADC	Variance_cooc.L.ADC	
## Failure	-0.064180948	0.2276031466	
## Entropy_cooc.W.ADC	-0.003638295	-0.0948312291	
## GLNU_align.H.PET	-0.079868241	-0.1674984083	
## Min_hist.PET	0.467296788	0.2514183392	
## Max_hist.PET	0.447809249	0.2056786237	
## Mean_hist.PET	0.441613009	0.2346427074	
## Variance_hist.PET	0.165436750	0.0944048855	
## Standard_Deviation_hist.PET	0.433078355	0.2134420489	
## Skewness_hist.PET	0.508560869	0.2865630194	
## Kurtosis_hist.PET	0.127205014	0.0471115129	
## Energy_hist.PET	0.348115326	0.4125546100	
## Entropy_hist.PET	0.721266897	0.4627487268	
## AUC_hist.PET	0.837981453	0.5631777484	
## H_suv.PET	0.456827738	0.2357312220	
## Volume.PET	0.162297639	0.0407356831	
## X3D_surface.PET	0.176281009	0.0630267797	
## ratio_3ds_vol.PET	0.540747171	0.4587767559	
## ratio_3ds_vol_norm.PET	0.474284667	0.3504888895	
## irregularity.PET	0.846264330	0.6025943027	
## tumor_length.PET	0.474207946	0.2640032864	
## Compactness_v1.PET	0.399021172	0.4093434228	
## Compactness_v2.PET	0.173275268	0.0382178854	
## Spherical_disproportion.PET	0.474284667	0.3504888895	
## Sphericity.PET	0.179752166	0.0229661274	
## Asphericity.PET	0.455176544	0.3386914012	
## Center_of_mass.PET	0.282060286	0.2021475939	
## Max_3D_diam.PET	0.338805601	0.1404023753	
## Major_axis_length.PET	0.357367455	0.2273998745	
## Minor_axis_length.PET	0.511347301	0.2057234727	
## Least_axis_length.PET	0.415909487	0.1321693624	
## Elongation.PET	0.771934489	0.4081830615	
## Flatness.PET	0.694638980	0.3342727634	
## Max_cooc.L.PET	0.347583415	0.4049769769	
## Average_cooc.L.PET	0.669778550	0.5644214026	
## Variance_cooc.L.PET	0.583551137	0.5348812574	
## Entropy_cooc.L.PET	0.817681922	0.5336479986	
## DAVE_cooc.L.PET	0.691683272	0.5333738795	
## DVAR_cooc.L.PET	0.641006418	0.4450787171	
## DENT_cooc.L.PET	0.838673641	0.5786285694	
## SAVE_cooc.L.PET	0.669678652	0.5641949893	
## SVAR_cooc.L.PET	0.561129508	0.5492449756	
## SENT_cooc.L.PET	0.829524768	0.5850460453	
## ASM_cooc.L.PET	0.322157669	0.3813521935	
## Contrast_cooc.L.PET	0.540564206	0.4399991629	
## Dissimilarity_cooc.L.PET	0.691683272	0.5333738795	
## Inv_diff_cooc.L.PET	0.697234398	0.4284298604	
## Inv_diff_norm_cooc.L.PET	0.837068235	0.5462801508	
## IDM_cooc.L.PET	0.617804726	0.3809203909	
## IDM_norm_cooc.L.PET	0.842126444	0.5553103769	
## Inv_var_cooc.L.PET	0.618513979	0.3821732069	

## Correlation_cooc.L.PET	0.486059554	0.3598805270
## Autocorrelation_cooc.L.PET	0.476741800	0.5115405438
## Tendency_cooc.L.PET	0.561129508	0.5492449756
## Shade_cooc.L.PET	0.312199304	0.2644082932
## Prominence_cooc.L.PET	0.416966766	0.4773074080
## IC1_.L.PET	-0.399367972	-0.3992167043
## IC2_.L.PET	0.793763369	0.6273373574
## Coarseness_vdif_.L.PET	0.386300699	0.4834903963
## Contrast_vdif_.L.PET	0.314462217	0.2533396115
## Busyness_vdif_.L.PET	0.231794670	0.0249679534
## Complexity_vdif_.L.PET	0.694720858	0.4795518862
## Strength_vdif_.L.PET	0.347741974	0.3669136311
## SRE_align.L.PET	0.848465671	0.5714574122
## LRE_align.L.PET	0.842672947	0.5387921006
## GLNU_align.L.PET	0.190241852	0.0005529781
## RLNU_align.L.PET	0.163206940	0.0009011942
## RP_align.L.PET	0.849061103	0.5726544464
## LGRE_align.L.PET	0.570435680	0.3907543939
## HGRE_align.L.PET	0.503031863	0.5010608358
## LGSRE_align.L.PET	0.573609791	0.3953604289
## HGSRE_align.L.PET	0.502460170	0.5023430936
## LGHRE_align.L.PET	0.554118401	0.3697354478
## HGLRE_align.L.PET	0.504142532	0.4937477398
## GLNU_norm_align.L.PET	0.559379457	0.4787772745
## RLNU_norm_align.L.PET	0.849640747	0.5766135609
## GLVAR_align.L.PET	0.590163128	0.5345013142
## RLVAR_align.L.PET	0.491356599	0.3696109727
## Entropy_align.L.PET	0.821886558	0.5445976141
## SZSE.L.PET	0.816781070	0.5799180899
## LZSE.L.PET	0.623095377	0.2959837075
## LGLZE.L.PET	0.580927466	0.3934202391
## HGLZE.L.PET	0.514059414	0.5031276294
## SZLGE.L.PET	0.581868038	0.4093781885
## SZHGE.L.PET	0.504908643	0.5103152035
## LZLGE.L.PET	0.475332601	0.2755809691
## LZHGE.L.PET	0.439179088	0.3633539517
## GLNU_area.L.PET	0.188509274	0.0077903148
## ZSNU.L.PET	0.160367809	0.0102519288
## ZSP.L.PET	0.828032223	0.5878326851
## GLNU_norm.L.PET	0.558318133	0.4785097814
## ZSNU_norm.L.PET	0.836777861	0.5930187382
## GLVAR_area.L.PET	0.598428917	0.5366377692
## ZSVAR.L.PET	0.374190527	0.1234492135
## Entropy_area.L.PET	0.821541902	0.5326676350
## Max_cooc.H.PET	0.223006890	0.3562632866
## Average_cooc.H.PET	0.829616264	0.5963660418
## Variance_cooc.H.PET	0.724466623	0.4134843907
## Entropy_cooc.H.PET	0.723172327	0.4334749955
## DAVE_cooc.H.PET	0.781266047	0.4594588455
## DVAR_cooc.H.PET	0.728732223	0.4766304242
## DENT_cooc.H.PET	0.683990727	0.3732614630
## SAVE_cooc.H.PET	0.843233023	0.5988058678
## SVAR_cooc.H.PET	0.699982742	0.4412086654
## SENT_cooc.H.PET	0.610938087	0.3781495295

## ASM_cooc.H.PET	0.178900455	0.3671761223
## Contrast_cooc.H.PET	0.698119065	0.4139824246
## Dissimilarity_cooc.H.PET	0.781266047	0.4594588455
## Inv_diff_cooc.H.PET	0.524926778	0.5001765529
## Inv_diff_norm_cooc.H.PET	0.838563703	0.5727866795
## IDM_cooc.H.PET	0.434470262	0.4563265098
## IDM_norm_cooc.H.PET	0.845092859	0.5680033636
## Inv_var_cooc_.H.PET	0.462980501	0.4052481799
## Correlation_cooc.H.PET	0.497452394	0.3398536223
## Autocorrelation_cooc.H.PET	0.772703223	0.6028832342
## Tendency_cooc.H.PET	0.673916977	0.3762109805
## Shade_cooc.H.PET	-0.379992728	-0.2316853196
## Prominence_cooc.H.PET	0.487689160	0.2214887368
## IC1_d.H.PET	-0.084373544	-0.0282458367
## IC2_d.H.PET	0.631964157	0.4303190879
## Coarseness_vdif.H.PET	0.321967782	0.3920619504
## Contrast_vdif.H.PET	0.206096236	0.3820189518
## Busyness_vdif.H.PET	0.080107005	-0.0853899858
## Complexity_vdif.H.PET	0.611213089	0.4475940841
## Strength_vdif.H.PET	0.010061273	0.1251484014
## SRE_align.H.PET	0.840699596	0.5249051255
## LRE_align.H.PET	0.503932600	0.4600962042
## RLNU_align.H.PET	0.152282759	0.0194680328
## RP_align.H.PET	0.832829347	0.5186355147
## LGRE_align.H.PET	0.325651610	0.3897186471
## HGRE_align.H.PET	0.772074791	0.5890474408
## LGSRE_align.H.PET	0.323779211	0.3889587348
## HGSRE_align.H.PET	0.834354739	0.5762926594
## LGHRE_align.H.PET	0.335736921	0.3938191174
## HGLRE_align.H.PET	0.322933431	0.3665596602
## GLNU_norm_align.H.PET	0.403626472	0.4699136899
## RLNU_norm_align.H.PET	0.799226361	0.4756311590
## GLVAR_align.H.PET	0.692808963	0.3866931669
## RLVAR_align.H.PET	0.195908241	0.2455985808
## Entropy_align.H.PET	0.748669734	0.4265038039
## SZSE.H.PET	0.744287542	0.4256334216
## LZSE.H.PET	-0.056000084	0.0243229181
## LGLZE.H.PET	0.325086607	0.3905993315
## HGLZE.H.PET	0.758189721	0.5322815679
## SZLGE.H.PET	0.319688051	0.3888799550
## SZHGE.H.PET	0.761316502	0.4410053380
## LZLGE.H.PET	-0.014695625	0.0588482053
## LZHGE.H.PET	-0.060082416	0.0495046002
## GLNU_area.H.PET	0.202408589	0.0015913526
## ZSNU.H.PET	0.112492031	0.0442914818
## ZSP.H.PET	0.596726729	0.3202585315
## GLNU_norm.H.PET	0.410185387	0.4777625398
## ZSNU_norm.H.PET	0.643908782	0.3319515670
## GLVAR_area.H.PET	0.668052939	0.3697441955
## ZSVAR_H.PET	-0.059107642	0.0308095424
## Entropy_area.H.PET	0.784847639	0.4648078477
## Max_cooc.W.PET	0.239267561	0.3778381054
## Average_cooc.W.PET	0.402650085	0.2210855096
## Variance_cooc.W.PET	0.175602592	0.1030946362

## Entropy_cooc.W.PET	0.731949730	0.3940317764
## DAVE_cooc.W.PET	0.474732142	0.2381469164
## DVAR_cooc.W.PET	0.228879932	0.1203373033
## DENT_cooc.W.PET	0.735749448	0.3969652493
## SAVE_cooc.W.PET	0.402109591	0.2203670027
## SVAR_cooc.W.PET	0.144446149	0.0903896117
## SENT_cooc.W.PET	0.769966319	0.4485877927
## ASM_cooc.W.PET	0.250551753	0.4117675482
## Contrast_cooc.W.PET	0.241111310	0.1266821556
## Dissimilarity_cooc.W.PET	0.474732142	0.2381469164
## Inv_diff_cooc.W.PET	0.607283389	0.5292019329
## Inv_diff_norm_cooc.W.PET	0.837683562	0.5485622741
## IDM_cooc.W.PET	0.482289604	0.4790586740
## IDM_norm_cooc.W.PET	0.843023968	0.5558364151
## Inv_var_cooc.W.PET	0.552396935	0.5057839976
## Correlation_cooc.W.PET	0.485199568	0.3567125685
## Autocorrelation_cooc.W.PET	0.136996725	0.1026951845
## Tendency_cooc.W.PET	0.144446149	0.0903896117
## Shade_cooc.W.PET	0.010080684	0.0045381216
## Prominence_cooc.W.PET	-0.034238711	-0.0060167060
## IC1_d.W.PET	-0.129796933	-0.0535830654
## IC2_d.W.PET	0.714837658	0.5004113910
## Coarseness_vdif.W.PET	0.380010753	0.4824101053
## Contrast_vdif.W.PET	0.441937995	0.2898851466
## Busyness_vdif.W.PET	0.141657741	0.1649332551
## Complexity_vdif.W.PET	0.087331443	0.0485711559
## Strength_vdif.W.PET	0.268157017	0.2073290326
## SRE_align.W.PET	0.850955931	0.5496438508
## LRE_align.W.PET	0.709064791	0.5430626465
## GLNU_align.W.PET	0.210502050	-0.0181395978
## RLNU_align.W.PET	0.158678466	0.0100474385
## RP_align.W.PET	0.849499627	0.5448458843
## LGRE_align.W.PET	0.419910835	0.4278618377
## HGRE_align.W.PET	0.142644465	0.0917799634
## LGSRE_align.W.PET	0.459378619	0.4428049449
## HGSRE_align.W.PET	0.139680592	0.0910984385
## LGHRE_align.W.PET	0.253521982	0.3463361585
## HGLRE_align.W.PET	0.155067965	0.0932334057
## GLNU_norm_align.W.PET	0.399463119	0.4797057671
## RLNU_norm_align.W.PET	0.841189518	0.5219303095
## GLVAR_align.W.PET	0.165703425	0.0929174313
## RLVAR_align.W.PET	0.244277608	0.3171767120
## Entropy_align.W.PET	0.756227668	0.4270411869
## SZSE.W.PET	0.810542332	0.5117523909
## LZSE.W.PET	0.082104159	0.1594394788
## LGLZE.W.PET	0.432790507	0.4268826108
## HGLZE.W.PET	0.148818222	0.0937908337
## SZLGE.W.PET	0.509857013	0.4492377389
## SZHGE.W.PET	0.140308330	0.0962513276
## LZLGE.W.PET	-0.028317557	0.1157977018
## LZHGE.W.PET	0.201415587	0.0543538976
## GLNU_area.W.PET	0.212768455	-0.0072453848
## ZSNU.W.PET	0.140264179	0.0301921779
## ZSP.W.PET	0.762506749	0.4506893585

## GLNU_norm.W.PET	0.410453650	0.4930788148	
## ZSNU_norm.W.PET	0.772891868	0.4386574511	
## GLVAR_area.W.PET	0.170564612	0.0920968384	
## ZSVAR.W.PET	0.012131094	0.1029049371	
## Entropy_area.W.PET	0.781373368	0.4591650180	
## Min_hist.ADC	0.245270207	0.5677535529	
## Max_hist.ADC	0.706547760	0.3865877168	
## Mean_hist.ADC	0.885110471	0.5348135805	
## Variance_hist.ADC	0.321637229	0.3980265461	
## Standard_Deviation_hist.ADC	0.575134787	0.5111979785	
## Skewness_hist.ADC	-0.213310505	0.1085873120	
## Kurtosis_hist.ADC	0.242681561	-0.2968320125	
## Energy_hist.ADC	0.328900275	0.4350158886	
## Entropy_hist.ADC	0.796583393	0.4112393649	
## AUC_hist.ADC	0.761189072	0.5142850185	
## Volume.ADC	0.156580533	0.0201052195	
## X3D_surface.ADC	0.219300462	-0.0719869092	
## ratio_3ds_vol.ADC	0.613078754	0.7565528373	
## ratio_3ds_vol_norm.ADC	0.797088343	0.4631039166	
## irregularity.ADC	0.814670061	0.6660801483	
## Compactness_v1.ADC	0.541104678	0.5278460925	
##	Entropy_cooc.L.ADC	DAVE_cooc.L.ADC	DVAR_cooc.L.ADC
## Failure	0.0003803249	0.158079426	0.240393085
## Entropy_cooc.W.ADC	0.0384070222	-0.097556299	-0.110683098
## GLNU_align.H.PET	-0.0557058100	-0.174544008	-0.198442967
## Min_hist.PET	0.5433890672	0.400203126	0.250019645
## Max_hist.PET	0.5452270590	0.346989744	0.193844714
## Mean_hist.PET	0.5378011618	0.385421223	0.237986903
## Variance_hist.PET	0.2656638703	0.174077189	0.100439544
## Standard_Deviation_hist.PET	0.5310356348	0.351583183	0.215150911
## Skewness_hist.PET	0.5263535735	0.347676244	0.251814993
## Kurtosis_hist.PET	0.1476686900	0.016887158	-0.010140757
## Energy_hist.PET	0.4193578007	0.454582458	0.437358278
## Entropy_hist.PET	0.8682968024	0.598619091	0.418885094
## AUC_hist.PET	0.9767374379	0.745003141	0.545339969
## H_suv.PET	0.5412405568	0.371806956	0.249412591
## Volume.PET	0.3131380925	0.084384917	-0.023990813
## X3D_surface.PET	0.2226780226	0.071113205	0.013525292
## ratio_3ds_vol.PET	0.5589396965	0.561148759	0.515967452
## ratio_3ds_vol_norm.PET	0.5547107452	0.436582198	0.370526817
## irregularity.PET	0.9615326823	0.778789025	0.595834958
## tumor_length.PET	0.5875472774	0.339465478	0.216458139
## Compactness_v1.PET	0.5215628600	0.476026020	0.413690882
## Compactness_v2.PET	0.2351205246	0.122160312	0.017863250
## Spherical_disproportion.PET	0.5547107452	0.436582198	0.370526817
## Sphericity.PET	0.2378400057	0.102778504	-0.012635010
## Asphericity.PET	0.5327465693	0.420098912	0.359539738
## Center_of_mass.PET	0.3653766686	0.207802920	0.156937023
## Max_3D_diam.PET	0.4610098003	0.240823905	0.093671434
## Major_axis_length.PET	0.5105205488	0.324742378	0.191557082
## Minor_axis_length.PET	0.6340401963	0.328528707	0.156336444
## Least_axis_length.PET	0.5374387517	0.242114963	0.065389599
## Elongation.PET	0.8272094378	0.599619217	0.413310864
## Flatness.PET	0.7674798444	0.516301418	0.298011138

## Max_cooc.L.PET	0.4415325689	0.442194331	0.418013166
## Average_cooc.L.PET	0.8064370005	0.725466317	0.584502975
## Variance_cooc.L.PET	0.6454751782	0.646584053	0.556299955
## Entropy_cooc.L.PET	0.9632580128	0.724715426	0.522916321
## DAVE_cooc.L.PET	0.7489685287	0.690167734	0.563315915
## DVAR_cooc.L.PET	0.6513955811	0.592657054	0.481053034
## DENT_cooc.L.PET	0.9564257130	0.768078690	0.580153108
## SAVE_cooc.L.PET	0.8062836360	0.725268446	0.584263837
## SVAR_cooc.L.PET	0.6568677668	0.645382951	0.555394180
## SENT_cooc.L.PET	0.9588646713	0.769202194	0.586280464
## ASM_cooc.L.PET	0.4110194424	0.414650007	0.396509214
## Contrast_cooc.L.PET	0.5404274857	0.561385338	0.482781798
## Dissimilarity_cooc.L.PET	0.7489685287	0.690167734	0.563315915
## Inv_diff_cooc.L.PET	0.8325747785	0.572239976	0.389477392
## Inv_diff_norm_cooc.L.PET	0.9774932894	0.732312852	0.527314056
## IDM_cooc.L.PET	0.7415725487	0.500134196	0.339058317
## IDM_norm_cooc.L.PET	0.9814946135	0.742958023	0.539050902
## Inv_var_cooc.L.PET	0.7451792350	0.497623598	0.339831964
## Correlation_cooc.L.PET	0.6498054136	0.448958612	0.312275012
## Autocorrelation_cooc.L.PET	0.6066524671	0.619427051	0.537078698
## Tendency_cooc.L.PET	0.6568677668	0.645382951	0.555394180
## Shade_cooc.L.PET	0.3281224574	0.280422611	0.252872165
## Prominence_cooc.L.PET	0.4683553916	0.519102413	0.485083275
## IC1_.L.PET	-0.3865734133	-0.493490938	-0.440993988
## IC2_.L.PET	0.8942391573	0.800791175	0.650747975
## Coarseness_vdif_.L.PET	0.4634121975	0.535733569	0.520988055
## Contrast_vdif_.L.PET	0.2354685363	0.329820412	0.290474291
## Busyness_vdif_.L.PET	0.2935655168	0.049264268	-0.050157749
## Complexity_vdif_.L.PET	0.7045657534	0.639841679	0.514808636
## Strength_vdif_.L.PET	0.3133120580	0.420019164	0.391843075
## SRE_align.L.PET	0.9833847654	0.759991078	0.560116071
## LRE_align.L.PET	0.9744189767	0.729582954	0.521683806
## GLNU_align.L.PET	0.2438717910	0.031898735	-0.059455305
## RLNU_align.L.PET	0.2245856690	0.039535441	-0.047503494
## RP_align.L.PET	0.9832546516	0.761483735	0.562044242
## LGRE_align.L.PET	0.6100016073	0.469795452	0.362435402
## HGRE_align.L.PET	0.6243970819	0.628919880	0.539483615
## LGSRE_align.L.PET	0.6144202230	0.475730689	0.368389614
## HGSRE_align.L.PET	0.6229784658	0.629511446	0.541267774
## LGHRE_align.L.PET	0.5890529903	0.443850990	0.336865334
## HGLRE_align.L.PET	0.6281912646	0.624253228	0.530266522
## GLNU_norm_align.L.PET	0.6544083154	0.556978482	0.467240496
## RLNU_norm_align.L.PET	0.9819513443	0.765962346	0.568537237
## GLVAR_align.L.PET	0.6698288102	0.657174108	0.558535471
## RLVAR_align.L.PET	0.6110420149	0.456526893	0.349496666
## Entropy_align.L.PET	0.9681906831	0.738492936	0.536920154
## SZSE.L.PET	0.9638221335	0.752627467	0.563119170
## LZSE.L.PET	0.6711512669	0.463073079	0.296270994
## LGLZE.L.PET	0.6203097963	0.477503476	0.368097090
## HGLZE.L.PET	0.6338541334	0.632865147	0.540874072
## SZLGE.L.PET	0.6293086900	0.494427734	0.387349544
## SZHGE.L.PET	0.6305105033	0.629318315	0.541915250
## LZLGE.L.PET	0.4925218929	0.337899398	0.239142392
## LZHGE.L.PET	0.5119115198	0.506495203	0.415022518

## GLNU_area.L.PET	0.2470225414	0.037317867	-0.053707746
## ZSNU.L.PET	0.2278698061	0.046049500	-0.040519139
## ZSP.L.PET	0.9710227983	0.764844669	0.574532648
## GLNU_norm.L.PET	0.6545826861	0.557143852	0.467176054
## ZSNU_norm.L.PET	0.9732799173	0.775094737	0.584768822
## GLVAR_area.L.PET	0.6799117771	0.662693679	0.562659847
## ZSVAR.L.PET	0.4195856543	0.219452498	0.102924431
## Entropy_area.L.PET	0.9672165297	0.726790178	0.522744930
## Max_cooc.H.PET	0.3141307653	0.356698368	0.345783185
## Average_cooc.H.PET	0.9640899441	0.764889167	0.576155468
## Variance_cooc.H.PET	0.8376826354	0.612370919	0.421497289
## Entropy_cooc.H.PET	0.8173996442	0.625674607	0.440664309
## DAVE_cooc.H.PET	0.8601056932	0.658528375	0.475223959
## DVAR_cooc.H.PET	0.8391792346	0.659811240	0.495125208
## DENT_cooc.H.PET	0.7762982577	0.528319551	0.344815166
## SAVE_cooc.H.PET	0.9712250794	0.759085331	0.572281211
## SVAR_cooc.H.PET	0.8439628098	0.601873886	0.410348655
## SENT_cooc.H.PET	0.6719786034	0.518827944	0.400508950
## ASM_cooc.H.PET	0.2926804015	0.356344476	0.357126949
## Contrast_cooc.H.PET	0.7654070278	0.601678943	0.442283163
## Dissimilarity_cooc.H.PET	0.8601056932	0.658528375	0.475223959
## Inv_diff_cooc.H.PET	0.6707897541	0.578231280	0.473876034
## Inv_diff_norm_cooc.H.PET	0.9807299815	0.755036488	0.555590128
## IDM_cooc.H.PET	0.5686426546	0.510208210	0.431515095
## IDM_norm_cooc.H.PET	0.9830160954	0.753962819	0.552297366
## Inv_var_cooc.H.PET	0.5656101218	0.485747519	0.424307729
## Correlation_cooc.H.PET	0.6566127639	0.448537389	0.295941528
## Autocorrelation_cooc.H.PET	0.9109861072	0.744994052	0.575671398
## Tendency_cooc.H.PET	0.8018121971	0.563365762	0.372546192
## Shade_cooc.H.PET	-0.4156674046	-0.335093289	-0.231925351
## Prominence_cooc.H.PET	0.5893149652	0.383592682	0.221657559
## IC1_d.H.PET	-0.1292757516	-0.062143056	0.003947839
## IC2_d.H.PET	0.7725468014	0.567518162	0.399499526
## Coarseness_vdif.H.PET	0.4051274967	0.425484191	0.410575307
## Contrast_vdif.H.PET	0.2997991037	0.409457675	0.423542529
## Busyness_vdif.H.PET	0.0993694062	-0.089521509	-0.163082364
## Complexity_vdif.H.PET	0.6445840157	0.580397592	0.496702246
## Strength_vdif.H.PET	0.0181970839	0.109588508	0.116500543
## SRE_align.H.PET	0.9554022199	0.722251792	0.519860901
## LRE_align.H.PET	0.6384345703	0.529507545	0.426998806
## RLNU_align.H.PET	0.2272041867	0.058130232	-0.022456044
## RP_align.H.PET	0.9441944892	0.716586682	0.515996453
## LGRE_align.H.PET	0.4300160367	0.430074298	0.406143116
## HGRE_align.H.PET	0.9143625206	0.743005719	0.570596410
## LGSRE_align.H.PET	0.4275995061	0.428654687	0.405502438
## HGSRE_align.H.PET	0.9562331943	0.757402002	0.567489172
## LGHRE_align.H.PET	0.4428693458	0.437451572	0.409482764
## HGLRE_align.H.PET	0.4403296156	0.393720535	0.334755305
## GLNU_norm_align.H.PET	0.5141874182	0.505095750	0.449909581
## RLNU_norm_align.H.PET	0.8933138308	0.672219180	0.479420338
## GLVAR_align.H.PET	0.8056600909	0.579318595	0.392603550
## RLVAR_align.H.PET	0.2837187551	0.243128779	0.214292668
## Entropy_align.H.PET	0.8845544271	0.620094756	0.414584219
## SZSE.H.PET	0.8427560104	0.600776071	0.414898988

## LZSE.H.PET	-0.0429902809	-0.025468751	-0.009877852
## LGLZE.H.PET	0.4311966846	0.430914232	0.406460638
## HGLZE.H.PET	0.8701951444	0.645270970	0.475880767
## SZLGE.H.PET	0.4249887966	0.426783651	0.404510812
## SZHGE.H.PET	0.8298151016	0.597413173	0.416947075
## LZLGE.H.PET	0.0154569041	0.028128405	0.038361913
## LZHGE.H.PET	-0.0395432887	-0.001691507	0.024076724
## GLNU_area.H.PET	0.2539099796	0.031348752	-0.065443332
## ZSNU.H.PET	0.2073677729	0.080483680	0.012691504
## ZSP.H.PET	0.6633820526	0.466987985	0.316326030
## GLNU_norm.H.PET	0.5233961777	0.523862772	0.469291074
## ZSNU_norm.H.PET	0.7150806332	0.500004232	0.330212468
## GLVAR_area.H.PET	0.7875084729	0.557512207	0.372274364
## ZSVAR_H.PET	-0.0415733686	-0.017706904	0.004174122
## Entropy_area.H.PET	0.9279691779	0.653602615	0.445606329
## Max_cooc.W.PET	0.3384115429	0.390459083	0.379080729
## Average_cooc.W.PET	0.5244341621	0.363700414	0.227684006
## Variance_cooc.W.PET	0.2662092027	0.175860260	0.103545035
## Entropy_cooc.W.PET	0.8418522035	0.588505018	0.389498450
## DAVE_cooc.W.PET	0.5450314139	0.386320721	0.250973085
## DVAR_cooc.W.PET	0.2987078262	0.214716392	0.134435070
## DENT_cooc.W.PET	0.8269759791	0.587328939	0.395477939
## SAVE_cooc.W.PET	0.5237369069	0.362949619	0.226931872
## SVAR_cooc.W.PET	0.2412236476	0.149857127	0.084187504
## SENT_cooc.W.PET	0.8784458622	0.636840838	0.444972708
## ASM_cooc.W.PET	0.3658953435	0.418752179	0.415037847
## Contrast_cooc.W.PET	0.3073556078	0.227728929	0.144489300
## Dissimilarity_cooc.W.PET	0.5450314139	0.386320721	0.250973085
## Inv_diff_cooc.W.PET	0.7466560340	0.630945162	0.506452518
## Inv_diff_norm_cooc.W.PET	0.9779217842	0.734635974	0.530012512
## IDM_cooc.W.PET	0.6168967166	0.546776519	0.456329090
## IDM_norm_cooc.W.PET	0.9816401444	0.743809157	0.539935401
## Inv_var_cooc.W.PET	0.6834945050	0.590059344	0.486960688
## Correlation_cooc.W.PET	0.6492097902	0.445585825	0.308124447
## Autocorrelation_cooc.W.PET	0.2679857909	0.189950016	0.115842390
## Tendency_cooc.W.PET	0.2412236476	0.149857127	0.084187504
## Shade_cooc.W.PET	0.0439202618	0.005152664	-0.006348787
## Prominence_cooc.W.PET	0.0146598397	-0.001748117	-0.004305320
## IC1_d.W.PET	-0.1533552916	-0.092452518	-0.024512777
## IC2_d.W.PET	0.8385133361	0.652015364	0.482869986
## Coarseness_vdif.W.PET	0.4384022398	0.542118374	0.527709821
## Contrast_vdif.W.PET	0.4789574998	0.411328175	0.310580072
## Busyness_vdif.W.PET	0.2311863887	0.135063092	0.082621194
## Complexity_vdif.W.PET	0.1731797459	0.104259160	0.051095753
## Strength_vdif.W.PET	0.2656124449	0.212107955	0.163102271
## SRE_align.W.PET	0.9761096643	0.743702922	0.540579012
## LRE_align.W.PET	0.8579879266	0.681276156	0.518584190
## GLNU_align.W.PET	0.2453557746	0.007293542	-0.094789594
## RLNU_align.W.PET	0.2259790802	0.048714446	-0.034774244
## RP_align.W.PET	0.9719038276	0.740299507	0.537107795
## LGRE_align.W.PET	0.4957322286	0.465227304	0.402834705
## HGRE_align.W.PET	0.2685839068	0.188080640	0.110984507
## LGSRE_align.W.PET	0.5297925071	0.489177310	0.419788354
## HGSRE_align.W.PET	0.2645653428	0.186502710	0.110812188

## LGHRE_align.W.PET	0.3395585684	0.345140716	0.312928633
## HGLRE_align.W.PET	0.2842059575	0.193458486	0.110634519
## GLNU_norm_align.W.PET	0.5111475379	0.512535657	0.463854787
## RLNU_norm_align.W.PET	0.9519709420	0.719825105	0.518594898
## GLVAR_align.W.PET	0.2653691871	0.173095402	0.099271595
## RLVAR_align.W.PET	0.3552803520	0.324248852	0.290827235
## Entropy_align.W.PET	0.8864738987	0.624289792	0.417697225
## SZSE.W.PET	0.9280873673	0.694640445	0.501124602
## LZSE.W.PET	0.1287794007	0.153116830	0.154903952
## LGLZE.W.PET	0.5166313968	0.472872917	0.406951683
## HGLZE.W.PET	0.2720967520	0.189782317	0.111290807
## SZLGE.W.PET	0.5856817524	0.514501181	0.438304107
## SZHGE.W.PET	0.2619126281	0.186568621	0.111363223
## LZLGE.W.PET	0.0120408849	0.065400100	0.080225453
## LZHGE.W.PET	0.2869624135	0.178468012	0.091381701
## GLNU_area.W.PET	0.2564547638	0.019483447	-0.082344191
## ZSNU.W.PET	0.2199600627	0.065370760	-0.009966646
## ZSP.W.PET	0.8598656666	0.629657419	0.441144749
## GLNU_norm.W.PET	0.5313388618	0.534440155	0.484990734
## ZSNU_norm.W.PET	0.8543113636	0.627349517	0.440275445
## GLVAR_area.W.PET	0.2683482913	0.173449525	0.098810344
## ZSVAR.W.PET	0.0418767966	0.076713557	0.098827885
## Entropy_area.W.PET	0.9217651396	0.653657812	0.443261441
## Min_hist.ADC	0.3561125549	0.591108259	0.606324782
## Max_hist.ADC	0.8505940561	0.502416040	0.327117275
## Mean_hist.ADC	0.8572432261	0.678030037	0.529307049
## Variance_hist.ADC	0.4868261667	0.285126671	0.263927489
## Standard_Deviation_hist.ADC	0.7480441455	0.500000738	0.400145581
## Skewness_hist.ADC	0.1748893744	0.118574950	0.105210221
## Kurtosis_hist.ADC	0.1479426681	-0.075484150	-0.109277160
## Energy_hist.ADC	0.4225467494	0.471388591	0.465608039
## Entropy_hist.ADC	0.9409827948	0.586642710	0.351460935
## AUC_hist.ADC	0.9447191552	0.688297630	0.489946683
## Volume.ADC	0.2991518231	0.062967741	-0.045478190
## X3D_surface.ADC	0.3758803166	-0.046386912	-0.179925296
## ratio_3ds_vol.ADC	0.6606321050	0.878513495	0.844234308
## ratio_3ds_vol_norm.ADC	0.9175642231	0.634087954	0.436639064
## irregularity.ADC	0.9474591136	0.847813621	0.685428201
## Compactness_v1.ADC	0.6647845875	0.620996918	0.539373909
##	DENT_cooc.L.ADC	SAVE_cooc.L.ADC	SVAR_cooc.L.ADC
## Failure	0.05285941	-0.064243148	0.210197242
## Entropy_cooc.W.ADC	-0.01201071	-0.003619899	-0.070068893
## GLNU_align.H.PET	-0.09729218	-0.079941473	-0.141089079
## Min_hist.PET	0.51917320	0.467338522	0.236715308
## Max_hist.PET	0.50834207	0.447831243	0.203016678
## Mean_hist.PET	0.51286938	0.441650694	0.219866254
## Variance_hist.PET	0.24943572	0.165452858	0.088461591
## Standard_Deviation_hist.PET	0.50387144	0.433076033	0.206395754
## Skewness_hist.PET	0.50150170	0.508441030	0.304705014
## Kurtosis_hist.PET	0.11108630	0.127106004	0.082999475
## Energy_hist.PET	0.45841829	0.347310770	0.389187795
## Entropy_hist.PET	0.82708591	0.721229777	0.474586562
## AUC_hist.PET	0.95981377	0.837783710	0.553076671
## H_suv.PET	0.52449888	0.456738866	0.225055935

## Volume.PET	0.25819267	0.162495897	0.072811135
## X3D_surface.PET	0.17854727	0.176235276	0.089975654
## ratio_3ds_vol.PET	0.59894762	0.540323862	0.422563953
## ratio_3ds_vol_norm.PET	0.55730421	0.473841860	0.342622737
## irregularity.PET	0.95690785	0.846101615	0.584938448
## tumor_length.PET	0.53993514	0.474055938	0.289007538
## Compactness_v1.PET	0.53950865	0.398293652	0.394286522
## Compactness_v2.PET	0.20633759	0.173574447	0.034761688
## Spherical_disproportion.PET	0.55730421	0.473841860	0.342622737
## Sphericity.PET	0.20222637	0.180189085	0.026607479
## Asphericity.PET	0.53596548	0.454729408	0.331094178
## Center_of_mass.PET	0.33303515	0.281993620	0.228260980
## Max_3D_diam.PET	0.41088519	0.339063053	0.153667142
## Major_axis_length.PET	0.47184360	0.357504248	0.233506361
## Minor_axis_length.PET	0.57455295	0.511375591	0.227429085
## Least_axis_length.PET	0.47277994	0.416021229	0.158972881
## Elongation.PET	0.80871887	0.771716958	0.393401019
## Flatness.PET	0.73333890	0.694494987	0.333130408
## Max_cooc.L.PET	0.47125647	0.346768178	0.390221516
## Average_cooc.L.PET	0.82560359	0.669657373	0.527330900
## Variance_cooc.L.PET	0.68409019	0.583438479	0.498395388
## Entropy_cooc.L.PET	0.94428724	0.817589829	0.521505142
## DAVE_cooc.L.PET	0.77575133	0.691562750	0.493851845
## DVAR_cooc.L.PET	0.67547342	0.640834136	0.407369409
## DENT_cooc.L.PET	0.95284878	0.838551181	0.556522625
## SAVE_cooc.L.PET	0.82542070	0.669558451	0.527107560
## SVAR_cooc.L.PET	0.69103834	0.561027170	0.521276049
## SENT_cooc.L.PET	0.95615348	0.829322480	0.565261161
## ASM_cooc.L.PET	0.44032674	0.321329304	0.366873772
## Contrast_cooc.L.PET	0.58089695	0.540450572	0.394899777
## Dissimilarity_cooc.L.PET	0.77575133	0.691562750	0.493851845
## Inv_diff_cooc.L.PET	0.79674700	0.696953700	0.437345846
## Inv_diff_norm_cooc.L.PET	0.95573268	0.836908970	0.537897652
## IDM_cooc.L.PET	0.70653079	0.617448473	0.393678663
## IDM_norm_cooc.L.PET	0.96223653	0.841970373	0.544917265
## Inv_var_cooc.L.PET	0.70892191	0.618160378	0.396689602
## Correlation_cooc.L.PET	0.62099087	0.485930241	0.375157898
## Autocorrelation_cooc.L.PET	0.64225359	0.476617132	0.470549922
## Tendency_cooc.L.PET	0.69103834	0.561027170	0.521276049
## Shade_cooc.L.PET	0.33731791	0.312195392	0.273594885
## Prominence_cooc.L.PET	0.51230706	0.416879628	0.453812180
## IC1_.L.PET	-0.43688266	-0.399547426	-0.349235025
## IC2_.L.PET	0.91631147	0.793528952	0.591392821
## Coarseness_vdif_.L.PET	0.51519113	0.385566986	0.449134457
## Contrast_vdif_.L.PET	0.27760724	0.314357750	0.211047442
## Busyness_vdif_.L.PET	0.23192988	0.231908316	0.064904067
## Complexity_vdif_.L.PET	0.72829702	0.694539916	0.441283157
## Strength_vdif_.L.PET	0.36047761	0.347572625	0.331710117
## SRE_align.L.PET	0.96927164	0.848304751	0.557383108
## LRE_align.L.PET	0.95295740	0.842527924	0.529012934
## GLNU_align.L.PET	0.18776844	0.190333280	0.032354307
## RLNU_align.L.PET	0.17487154	0.163341068	0.025291446
## RP_align.L.PET	0.96969675	0.848900147	0.558144921
## LGRE_align.L.PET	0.60206184	0.569998409	0.396161466

## HGRE_align.L.PET	0.66028214	0.502903362	0.454967459
## LGSRE_align.L.PET	0.60738038	0.573163687	0.399937914
## HGSRE_align.L.PET	0.65943879	0.502330232	0.455989691
## LGHRE_align.L.PET	0.57767893	0.553716518	0.378072328
## HGLRE_align.L.PET	0.66160766	0.504020631	0.448822283
## GLNU_norm_align.L.PET	0.66233898	0.558717275	0.472848617
## RLNU_norm_align.L.PET	0.97035334	0.849478499	0.560672485
## GLVAR_align.L.PET	0.70537101	0.590046976	0.496246327
## RLVAR_align.L.PET	0.59964592	0.490746426	0.372808703
## Entropy_align.L.PET	0.95206797	0.821782692	0.529639773
## SZSE.L.PET	0.95104880	0.816605583	0.567903343
## LZSE.L.PET	0.64862459	0.623035279	0.287598814
## LGLZE.L.PET	0.61238803	0.580481585	0.397243446
## HGLZE.L.PET	0.66876303	0.513932065	0.457825718
## SZLGE.L.PET	0.62414953	0.581393142	0.410602537
## SZHGE.L.PET	0.66434705	0.504771815	0.468407699
## LZLGE.L.PET	0.47326845	0.475036572	0.290465991
## LZHGE.L.PET	0.54221922	0.439111985	0.316050956
## GLNU_area.L.PET	0.19108429	0.188606598	0.039680663
## ZSNU.L.PET	0.17840294	0.160510333	0.034896637
## ZSP.L.PET	0.96031124	0.827862174	0.573592309
## GLNU_norm.L.PET	0.66249441	0.557652099	0.472459603
## ZSNU_norm.L.PET	0.96555195	0.836609116	0.575765801
## GLVAR_area.L.PET	0.71512360	0.598308006	0.498095340
## ZSVAR.L.PET	0.38670713	0.373997671	0.135200763
## Entropy_area.L.PET	0.94811255	0.821440402	0.519873949
## Max_cooc.H.PET	0.34451764	0.222704985	0.350056583
## Average_cooc.H.PET	0.95508278	0.829477982	0.584680002
## Variance_cooc.H.PET	0.81563517	0.724395298	0.394103496
## Entropy_cooc.H.PET	0.80628635	0.723146866	0.411266785
## DAVE_cooc.H.PET	0.84787612	0.781180318	0.434480810
## DVAR_cooc.H.PET	0.83146528	0.728620475	0.451019017
## DENT_cooc.H.PET	0.73142284	0.684012726	0.373107701
## SAVE_cooc.H.PET	0.95761671	0.843115965	0.591354280
## SVAR_cooc.H.PET	0.80720261	0.699896429	0.440301452
## SENT_cooc.H.PET	0.66703856	0.610573957	0.363433227
## ASM_cooc.H.PET	0.33054488	0.178499468	0.359731722
## Contrast_cooc.H.PET	0.76047225	0.698034933	0.383782959
## Dissimilarity_cooc.H.PET	0.84787612	0.781180318	0.434480810
## Inv_diff_cooc.H.PET	0.67843784	0.524665170	0.496884472
## Inv_diff_norm_cooc.H.PET	0.96533563	0.838393723	0.561870843
## IDM_cooc.H.PET	0.58121447	0.434205544	0.453731215
## IDM_norm_cooc.H.PET	0.96681904	0.844931669	0.556391607
## Inv_var_cooc_.H.PET	0.57740451	0.462297607	0.392465635
## Correlation_cooc.H.PET	0.62551101	0.497325018	0.351221933
## Autocorrelation_cooc.H.PET	0.90843334	0.772550137	0.593615852
## Tendency_cooc.H.PET	0.77248621	0.673859072	0.364408137
## Shade_cooc.H.PET	-0.40785442	-0.379949758	-0.214297660
## Prominence_cooc.H.PET	0.55722343	0.487678179	0.211395558
## IC1_d.H.PET	-0.11094721	-0.084755570	-0.037880771
## IC2_d.H.PET	0.74953628	0.631829868	0.431594332
## Coarseness_vdif.H.PET	0.43987561	0.321143333	0.374535629
## Contrast_vdif.H.PET	0.34740401	0.205916725	0.343091512
## Busyness_vdif.H.PET	0.05246325	0.080503933	-0.045117190

## Complexity_vdif.H.PET	0.66607064	0.610777630	0.414795625
## Strength_vdif.H.PET	0.05433391	0.009962010	0.117313389
## SRE_align.H.PET	0.93719978	0.840557449	0.509405108
## LRE_align.H.PET	0.63820322	0.503800974	0.462325530
## RLNU_align.H.PET	0.18105135	0.152402750	0.039633815
## RP_align.H.PET	0.92688537	0.832689266	0.501711046
## LGRE_align.H.PET	0.45826951	0.324828827	0.373736001
## HGRE_align.H.PET	0.91167006	0.771926431	0.577025658
## LGSRE_align.H.PET	0.45604697	0.322955660	0.372960189
## HGSRE_align.H.PET	0.94813157	0.834225265	0.560493607
## LGHRE_align.H.PET	0.47010943	0.334918129	0.378057715
## HGLRE_align.H.PET	0.44908914	0.322812829	0.369899630
## GLNU_norm_align.H.PET	0.53953550	0.403338868	0.462805449
## RLNU_norm_align.H.PET	0.87568660	0.799100453	0.457275356
## GLVAR_align.H.PET	0.78076787	0.692748918	0.369482764
## RLVAR_align.H.PET	0.28665870	0.195777438	0.256555037
## Entropy_align.H.PET	0.85192496	0.748611952	0.419224451
## SZSE.H.PET	0.81348928	0.744171951	0.418807515
## LZSE.H.PET	-0.04609375	-0.055956722	0.039421620
## LGLZE.H.PET	0.45918978	0.324265338	0.374786407
## HGLZE.H.PET	0.84362072	0.758094227	0.545691051
## SZLGE.H.PET	0.45325431	0.318864365	0.373372691
## SZHGE.H.PET	0.80061234	0.761252725	0.441344436
## LZLGE.H.PET	0.01513763	-0.014764993	0.067572999
## LZHGE.H.PET	-0.03355985	-0.060078518	0.059772944
## GLNU_area.H.PET	0.19603723	0.202558243	0.036349325
## ZSNU.H.PET	0.16938438	0.112606707	0.056153862
## ZSP.H.PET	0.63764452	0.596667761	0.312541396
## GLNU_norm.H.PET	0.55292232	0.409894926	0.463404140
## ZSNU_norm.H.PET	0.68659935	0.643822622	0.322863862
## GLVAR_area.H.PET	0.75986703	0.667995766	0.355804004
## ZSVAR.H.PET	-0.04218896	-0.059086674	0.042904795
## Entropy_area.H.PET	0.89606622	0.784763509	0.460903569
## Max_cooc.W.PET	0.37680855	0.238760082	0.364944665
## Average_cooc.W.PET	0.50060952	0.402664331	0.208505164
## Variance_cooc.W.PET	0.25018332	0.175613196	0.099673870
## Entropy_cooc.W.PET	0.81065125	0.731912956	0.383625871
## DAVE_cooc.W.PET	0.52631163	0.474737181	0.223417108
## DVAR_cooc.W.PET	0.28759114	0.228908461	0.108679763
## DENT_cooc.W.PET	0.79957057	0.735700362	0.385124583
## SAVE_cooc.W.PET	0.49984461	0.402125552	0.207814614
## SVAR_cooc.W.PET	0.22306481	0.144448083	0.091402466
## SENT_cooc.W.PET	0.85431746	0.769824695	0.438161965
## ASM_cooc.W.PET	0.40750936	0.249882406	0.398750208
## Contrast_cooc.W.PET	0.29830745	0.241144721	0.111977047
## Dissimilarity_cooc.W.PET	0.52631163	0.474737181	0.223417108
## Inv_diff_cooc.W.PET	0.75171748	0.607030346	0.522025571
## Inv_diff_norm_cooc.W.PET	0.95677949	0.837522700	0.539795423
## IDM_cooc.W.PET	0.62855140	0.482028220	0.473661630
## IDM_norm_cooc.W.PET	0.96261360	0.842867283	0.545186167
## Inv_var_cooc.W.PET	0.69216585	0.552125314	0.498565932
## Correlation_cooc.W.PET	0.61934580	0.485071758	0.372588948
## Autocorrelation_cooc.W.PET	0.25351857	0.137033145	0.090773364
## Tendency_cooc.W.PET	0.22306481	0.144448083	0.091402466

## Shade_cooc.W.PET	0.03552991	0.010041302	0.013358301
## Prominence_cooc.W.PET	0.01161377	-0.034265585	-0.003438328
## IC1_d.W.PET	-0.13755621	-0.130252488	-0.060794270
## IC2_d.W.PET	0.82650698	0.714674846	0.492799352
## Coarseness_vdif.W.PET	0.49705209	0.379343391	0.439680817
## Contrast_vdif.W.PET	0.48645452	0.441816682	0.266353634
## Busyness_vdif.W.PET	0.21387163	0.141784350	0.199107142
## Complexity_vdif.W.PET	0.15936926	0.087330320	0.045831705
## Strength_vdif.W.PET	0.25807814	0.268058491	0.223087621
## SRE_align.W.PET	0.95902147	0.850805026	0.535355699
## LRE_align.W.PET	0.85063576	0.708907016	0.537043212
## GLNU_align.W.PET	0.18464760	0.210649310	0.023256017
## RLNU_align.W.PET	0.17808964	0.158801601	0.032277845
## RP_align.W.PET	0.95480944	0.849350935	0.529905097
## LGRE_align.W.PET	0.51421364	0.419646588	0.425504787
## HGRE_align.W.PET	0.25450751	0.142689375	0.077316526
## LGSRE_align.W.PET	0.54740447	0.459097729	0.439195231
## HGSRE_align.W.PET	0.25102251	0.139725902	0.076406369
## LGHRE_align.W.PET	0.35919184	0.253334131	0.350266969
## HGLRE_align.W.PET	0.26796307	0.155111578	0.079703507
## GLNU_norm_align.W.PET	0.54073681	0.399079987	0.470902476
## RLNU_norm_align.W.PET	0.93409902	0.841050344	0.505928916
## GLVAR_align.W.PET	0.24897735	0.165721628	0.086916594
## RLVAR_align.W.PET	0.36596067	0.244030238	0.322798432
## Entropy_align.W.PET	0.85480318	0.756171403	0.417932518
## SZSE.W.PET	0.90628450	0.810396064	0.500243949
## LZSE.W.PET	0.14512366	0.082041306	0.157557804
## LGLZE.W.PET	0.53310154	0.432507605	0.423362262
## HGLZE.W.PET	0.25768458	0.148863585	0.080037931
## SZLGE.W.PET	0.59816734	0.509518057	0.442894098
## SZHGE.W.PET	0.24834056	0.140353922	0.083106158
## LZLGE.W.PET	0.02640009	-0.028340320	0.126232588
## LZHGE.W.PET	0.27412120	0.201434238	0.035962810
## GLNU_area.W.PET	0.19530692	0.212917659	0.032508901
## ZSNU.W.PET	0.17621992	0.140382308	0.048312716
## ZSP.W.PET	0.83455385	0.762397676	0.440133783
## GLNU_norm.W.PET	0.56183813	0.410057374	0.480020925
## ZSNU_norm.W.PET	0.83069546	0.772781028	0.423970398
## GLVAR_area.W.PET	0.25177850	0.170579413	0.086293234
## ZSVAR.W.PET	0.05575446	0.012079452	0.104042984
## Entropy_area.W.PET	0.89116098	0.781301140	0.452491993
## Min_hist.ADC	0.43988673	0.245167955	0.505430779
## Max_hist.ADC	0.79259709	0.706442373	0.418036803
## Mean_hist.ADC	0.84746867	0.885052250	0.521715982
## Variance_hist.ADC	0.42702862	0.321492365	0.472697591
## Standard_Deviation_hist.ADC	0.69509344	0.574990978	0.564934562
## Skewness_hist.ADC	0.19120881	-0.213481532	0.112166768
## Kurtosis_hist.ADC	0.14824939	0.242656326	-0.337281451
## Energy_hist.ADC	0.46905538	0.328079265	0.408767508
## Entropy_hist.ADC	0.87666927	0.796482191	0.432152018
## AUC_hist.ADC	0.92357351	0.760999467	0.510889651
## Volume.ADC	0.24161501	0.156782461	0.053870899
## X3D_surface.ADC	0.27301514	0.219289486	0.004179831
## ratio_3ds_vol.ADC	0.76887375	0.612829779	0.667397303

## ratio_3ds_vol_norm.ADC	0.88326983	0.797005949	0.466203412
## irregularity.ADC	0.97273493	0.814498207	0.626746714
## Compactness_v1.ADC	0.69204779	0.540401342	0.505303054
##	SENT_cooc.L.ADC	ASM_cooc.L.ADC	Contrast_cooc.L.ADC
## Failure	0.069214284	0.043748474	0.237377762
## Entropy_cooc.W.ADC	0.073799269	-0.017563834	-0.137427026
## GLNU_align.H.PET	0.034407159	0.056877231	-0.204676085
## Min_hist.PET	0.392656608	0.117362083	0.252231179
## Max_hist.PET	0.438423144	0.139301883	0.185713812
## Mean_hist.PET	0.419176306	0.116736186	0.237719104
## Variance_hist.PET	0.267453755	0.048975475	0.095642016
## Standard_Deviation_hist.PET	0.430028895	0.162183982	0.202136245
## Skewness_hist.PET	0.333730537	0.304065435	0.210583526
## Kurtosis_hist.PET	0.124251154	0.150352822	-0.037844143
## Energy_hist.PET	0.280750704	0.977595196	0.411643989
## Entropy_hist.PET	0.679946431	0.295037999	0.378605249
## AUC_hist.PET	0.737933594	0.505869533	0.514585536
## H_suv.PET	0.426657694	0.264794560	0.229549098
## Volume.PET	0.426979398	-0.133255224	-0.034815901
## X3D_surface.PET	0.190362258	0.116359400	-0.004223981
## ratio_3ds_vol.PET	0.301890112	0.633882907	0.480591693
## ratio_3ds_vol_norm.PET	0.405962975	0.643822963	0.323491062
## irregularity.PET	0.680743853	0.465810702	0.565714819
## tumor_length.PET	0.492416874	0.336410997	0.175732662
## Compactness_v1.PET	0.435375019	0.918973921	0.390599734
## Compactness_v2.PET	0.269433918	-0.253795808	0.041228676
## Spherical_disproportion.PET	0.405962975	0.643822963	0.323491062
## Sphericity.PET	0.267095225	-0.398114810	0.012373706
## Asphericity.PET	0.389377295	0.641826404	0.312579253
## Center_of_mass.PET	0.318954899	0.180089481	0.119284335
## Max_3D_diam.PET	0.458607916	-0.144852976	0.093769175
## Major_axis_length.PET	0.503486169	-0.010472779	0.185531522
## Minor_axis_length.PET	0.569400152	0.163150687	0.132133324
## Least_axis_length.PET	0.512167962	0.041503413	0.056652998
## Elongation.PET	0.562617684	0.501429141	0.389287418
## Flatness.PET	0.553653334	0.397052697	0.294691369
## Max_cooc.L.PET	0.330286115	0.991209552	0.386060977
## Average_cooc.L.PET	0.615645008	0.361205084	0.575146863
## Variance_cooc.L.PET	0.424202719	0.316360573	0.547998534
## Entropy_cooc.L.PET	0.747672419	0.387405175	0.493328338
## DAVE_cooc.L.PET	0.490376129	0.363991021	0.553330618
## DVAR_cooc.L.PET	0.390058321	0.403519731	0.472069692
## DENT_cooc.L.PET	0.696846647	0.422988170	0.554571402
## SAVE_cooc.L.PET	0.615531758	0.360126745	0.574942790
## SVAR_cooc.L.PET	0.471577424	0.299201777	0.541839053
## SENT_cooc.L.PET	0.704127929	0.506045693	0.555020476
## ASM_cooc.L.PET	0.307102886	0.996907474	0.364778988
## Contrast_cooc.L.PET	0.291805598	0.300743440	0.483950734
## Dissimilarity_cooc.L.PET	0.490376129	0.363991021	0.553330618
## Inv_diff_cooc.L.PET	0.649918983	0.548202328	0.354830244
## Inv_diff_norm_cooc.L.PET	0.741500825	0.464769825	0.496051190
## IDM_cooc.L.PET	0.579113652	0.601180591	0.304773199
## IDM_norm_cooc.L.PET	0.741895657	0.462733534	0.508376091
## Inv_var_cooc.L.PET	0.589688552	0.599613406	0.302003036

## Correlation_cooc.L.PET	0.575385757	0.314673261	0.281024799
## Autocorrelation_cooc.L.PET	0.481400123	0.295806088	0.537503690
## Tendency_cooc.L.PET	0.471577424	0.299201777	0.541839053
## Shade_cooc.L.PET	0.194906758	0.110064863	0.211034323
## Prominence_cooc.L.PET	0.302501219	0.230547816	0.469104844
## IC1_.L.PET	-0.150659002	0.068794299	-0.459266670
## IC2_.L.PET	0.605124855	0.520880226	0.627554665
## Coarseness_vdif_.L.PET	0.301782372	0.911698310	0.497924289
## Contrast_vdif_.L.PET	-0.003095190	0.208500040	0.314532307
## Busyness_vdif_.L.PET	0.300868666	-0.022699904	-0.065983437
## Complexity_vdif_.L.PET	0.403546421	0.428100161	0.503441000
## Strength_vdif_.L.PET	0.074772642	0.286032812	0.398239491
## SRE_align.L.PET	0.735654202	0.469204623	0.530596121
## LRE_align.L.PET	0.728400034	0.451175316	0.492582751
## GLNU_align.L.PET	0.250584196	-0.015753029	-0.069453378
## RLNU_align.L.PET	0.236324016	-0.071454835	-0.052805482
## RP_align.L.PET	0.734303196	0.469329999	0.532600711
## LGRE_align.L.PET	0.390623335	0.662746564	0.329498336
## HGRE_align.L.PET	0.484521026	0.309357870	0.539553627
## LGSRE_align.L.PET	0.394617096	0.673303700	0.335345672
## HGSRE_align.L.PET	0.482716966	0.310568905	0.541246512
## LGHRE_align.L.PET	0.373443940	0.619237160	0.304694582
## HGLRE_align.L.PET	0.489803232	0.303233007	0.530591071
## GLNU_norm_align.L.PET	0.464360345	0.900803642	0.431275699
## RLNU_norm_align.L.PET	0.730192384	0.470565667	0.539212750
## GLVAR_align.L.PET	0.465276465	0.324130322	0.551554312
## RLVAR_align.L.PET	0.485652722	0.828328822	0.315747586
## Entropy_align.L.PET	0.747924390	0.401049757	0.509090909
## SZSE.L.PET	0.740657949	0.473810385	0.533462355
## LZSE.L.PET	0.446800073	0.283603073	0.277207734
## LGLZE.L.PET	0.398015642	0.675898427	0.335306405
## HGLZE.L.PET	0.487946232	0.311967475	0.539618965
## SZLGE.L.PET	0.413739946	0.707388329	0.354962589
## SZHGE.L.PET	0.494583572	0.318929928	0.538433691
## LZLGE.L.PET	0.298853763	0.479043939	0.208014986
## LZHGE.L.PET	0.358954720	0.222556333	0.421803472
## GLNU_area.L.PET	0.257290505	-0.022714930	-0.063312863
## ZSNU.L.PET	0.244995752	-0.081736537	-0.045177918
## ZSP.L.PET	0.736508918	0.471123994	0.545284692
## GLNU_norm.L.PET	0.465583187	0.904657541	0.431306346
## ZSNU_norm.L.PET	0.724601387	0.471605584	0.556448712
## GLVAR_area.L.PET	0.474122451	0.332378078	0.554050392
## ZSVAR.L.PET	0.311097492	0.343720070	0.081917681
## Entropy_area.L.PET	0.749750815	0.399224942	0.493894593
## Max_cooc.H.PET	0.260125245	0.393521733	0.325052420
## Average_cooc.H.PET	0.718587132	0.435791638	0.547154020
## Variance_cooc.H.PET	0.634416723	0.334874212	0.404164269
## Entropy_cooc.H.PET	0.601311481	0.285467522	0.427908325
## DAVE_cooc.H.PET	0.605736756	0.365726260	0.456675805
## DVAR_cooc.H.PET	0.621859638	0.375662526	0.473083155
## DENT_cooc.H.PET	0.575751619	0.214166445	0.326753571
## SAVE_cooc.H.PET	0.711576788	0.418230427	0.539985502
## SVAR_cooc.H.PET	0.655756710	0.337798575	0.387768637
## SENT_cooc.H.PET	0.436983414	0.603894772	0.362791288

## ASM_cooc.H.PET	0.274351463	0.485894719	0.337256666
## Contrast_cooc.H.PET	0.534673789	0.334635758	0.428397753
## Dissimilarity_cooc.H.PET	0.605736756	0.365726260	0.456675805
## Inv_diff_cooc.H.PET	0.546658057	0.459477189	0.444507393
## Inv_diff_norm_cooc.H.PET	0.741163550	0.475529169	0.524805327
## IDM_cooc.H.PET	0.471053528	0.430244569	0.404629512
## IDM_norm_cooc.H.PET	0.738780325	0.468527226	0.522157053
## Inv_var_cooc_.H.PET	0.417701712	0.894411763	0.382033457
## Correlation_cooc.H.PET	0.575444700	0.316855329	0.272103774
## Autocorrelation_cooc.H.PET	0.686056680	0.430126566	0.547535166
## Tendency_cooc.H.PET	0.631561324	0.304927308	0.354904493
## Shade_cooc.H.PET	-0.263354129	-0.175924298	-0.240828683
## Prominence_cooc.H.PET	0.474384083	0.191303711	0.215861025
## IC1_d.H.PET	-0.132645022	0.379152795	-0.003784848
## IC2_d.H.PET	0.604754768	0.368462930	0.373418447
## Coarseness_vdif.H.PET	0.293153232	0.991868739	0.380857009
## Contrast_vdif.H.PET	0.252777779	0.256417526	0.419669750
## Busyness_vdif.H.PET	0.150185603	-0.377371681	-0.163022429
## Complexity_vdif.H.PET	0.374145311	0.672456037	0.463272505
## Strength_vdif.H.PET	0.008109681	0.107220911	0.126645255
## SRE_align.H.PET	0.698336299	0.447523247	0.493022867
## LRE_align.H.PET	0.518551082	0.314200914	0.397398987
## RLNU_align.H.PET	0.250260080	-0.060100722	-0.027276607
## RP_align.H.PET	0.686421202	0.442387929	0.490675127
## LGRE_align.H.PET	0.334101855	0.992920306	0.375411238
## HGRE_align.H.PET	0.694833709	0.425647981	0.541494702
## LGSRE_align.H.PET	0.332006328	0.993050218	0.374781232
## HGSRE_align.H.PET	0.698320912	0.427927372	0.538647683
## LGHRE_align.H.PET	0.345128249	0.992338328	0.378512619
## HGLRE_align.H.PET	0.387555541	0.238557828	0.313172827
## GLNU_norm_align.H.PET	0.406747429	0.440943652	0.426434256
## RLNU_norm_align.H.PET	0.636979371	0.415911694	0.456220140
## GLVAR_align.H.PET	0.614643549	0.312177467	0.375966233
## RLVAR_align.H.PET	0.265326986	0.206038002	0.190613452
## Entropy_align.H.PET	0.690906351	0.330153918	0.388934771
## SZSE.H.PET	0.616390881	0.387046901	0.387132745
## LZSE.H.PET	-0.022057237	-0.069801701	-0.011895002
## LGLZE.H.PET	0.336085148	0.991105789	0.375809563
## HGLZE.H.PET	0.629070862	0.362025979	0.435925480
## SZLGE.H.PET	0.331489760	0.991693001	0.373632217
## SZHGE.H.PET	0.558630300	0.331623975	0.384852733
## LZLGE.H.PET	0.030750828	0.065129187	0.032237955
## LZHGE.H.PET	-0.006254822	-0.027793857	0.020733132
## GLNU_area.H.PET	0.255642893	-0.072507020	-0.075008250
## ZSNU.H.PET	0.252447183	-0.070580780	0.012712703
## ZSP.H.PET	0.468895867	0.274619684	0.296981707
## GLNU_norm.H.PET	0.422000012	0.447610262	0.449248220
## ZSNU_norm.H.PET	0.502108744	0.319712359	0.310195928
## GLVAR_area.H.PET	0.608440639	0.299832612	0.353951261
## ZSVAR_H.PET	-0.014039315	-0.046506941	0.000371300
## Entropy_area.H.PET	0.728343579	0.370622999	0.414991527
## Max_cooc.W.PET	0.282523166	0.621081663	0.358478893
## Average_cooc.W.PET	0.449542169	0.133808362	0.221017577
## Variance_cooc.W.PET	0.253538503	0.057226135	0.097688018

## Entropy_cooc.W.PET	0.635971473	0.301335534	0.367425125
## DAVE_cooc.W.PET	0.403390852	0.165433326	0.240650244
## DVAR_cooc.W.PET	0.246794466	0.054317471	0.130896540
## DENT_cooc.W.PET	0.601189773	0.314194796	0.373137902
## SAVE_cooc.W.PET	0.449027038	0.131790439	0.220328907
## SVAR_cooc.W.PET	0.247113272	0.056565943	0.076818817
## SENT_cooc.W.PET	0.640997660	0.425069978	0.415109106
## ASM_cooc.W.PET	0.312427226	0.799584701	0.388309077
## Contrast_cooc.W.PET	0.247341268	0.052586426	0.143153318
## Dissimilarity_cooc.W.PET	0.403390852	0.165433326	0.240650244
## Inv_diff_cooc.W.PET	0.588481083	0.479023284	0.478434703
## Inv_diff_norm_cooc.W.PET	0.741163662	0.466561079	0.498891953
## IDM_cooc.W.PET	0.502455049	0.443301986	0.430672986
## IDM_norm_cooc.W.PET	0.740925668	0.463640407	0.509401356
## Inv_var_cooc.W.PET	0.540295555	0.479574575	0.458037086
## Correlation_cooc.W.PET	0.575632081	0.312914875	0.276936788
## Autocorrelation_cooc.W.PET	0.300129869	0.018187057	0.116069534
## Tendency_cooc.W.PET	0.247113272	0.056565943	0.076818817
## Shade_cooc.W.PET	0.070341970	0.050728824	-0.015467178
## Prominence_cooc.W.PET	0.069624783	0.022058119	-0.010949462
## IC1_d.W.PET	-0.108844286	0.444213888	-0.031329458
## IC2_d.W.PET	0.612297332	0.424916698	0.454251619
## Coarseness_vdif.W.PET	0.257151435	0.836211017	0.515453073
## Contrast_vdif.W.PET	0.301281374	0.281329217	0.305188662
## Busyness_vdif.W.PET	0.269544668	-0.081051344	0.069170534
## Complexity_vdif.W.PET	0.204339528	0.039796103	0.048499591
## Strength_vdif.W.PET	0.103456933	0.191374542	0.146577592
## SRE_align.W.PET	0.721887190	0.460086565	0.511990271
## LRE_align.W.PET	0.673654898	0.415286936	0.488065877
## GLNU_align.W.PET	0.234671836	-0.069444867	-0.106876693
## RLNU_align.W.PET	0.242637801	-0.061136610	-0.040059481
## RP_align.W.PET	0.715696502	0.457204638	0.509230661
## LGRE_align.W.PET	0.362766391	0.420834604	0.379206744
## HGRE_align.W.PET	0.298718281	0.011395316	0.112117482
## LGSRE_align.W.PET	0.377194278	0.452352256	0.395014510
## HGSRE_align.W.PET	0.294935497	0.009793440	0.112025204
## LGHRE_align.W.PET	0.281748280	0.281901290	0.294144332
## HGLRE_align.W.PET	0.312432998	0.017678057	0.111331506
## GLNU_norm_align.W.PET	0.401833992	0.541876606	0.438658413
## RLNU_norm_align.W.PET	0.691428608	0.444553078	0.491525603
## GLVAR_align.W.PET	0.267116488	0.046879947	0.094468860
## RLVAR_align.W.PET	0.327926863	0.347373647	0.264871075
## Entropy_align.W.PET	0.685889379	0.330874458	0.393429102
## SZSE.W.PET	0.687613807	0.441884362	0.472737774
## LZSE.W.PET	0.126013851	0.093975329	0.143558878
## LGLZE.W.PET	0.392427958	0.446813388	0.380892532
## HGLZE.W.PET	0.297840985	0.012851895	0.112312454
## SZLGE.W.PET	0.428935321	0.534825087	0.406602227
## SZHGE.W.PET	0.289209589	0.008845626	0.113129916
## LZLGE.W.PET	0.037836064	0.009956451	0.078335653
## LZHGE.W.PET	0.270373953	0.063348308	0.087984345
## GLNU_area.W.PET	0.251645928	-0.069522685	-0.093733912
## ZSNU.W.PET	0.248848049	-0.063328103	-0.013393797
## ZSP.W.PET	0.620432721	0.385131018	0.417259403

## GLNU_norm.W.PET	0.424594078	0.559886793	0.459705905
## ZSNU_norm.W.PET	0.596328701	0.390419474	0.415819477
## GLVAR_area.W.PET	0.267383664	0.052336084	0.093313421
## ZSVAR.W.PET	0.057589663	0.058174050	0.087479893
## Entropy_area.W.PET	0.721108926	0.356673671	0.416156224
## Min_hist.ADC	0.292628835	0.189779877	0.633680326
## Max_hist.ADC	0.698770797	0.371821416	0.268781150
## Mean_hist.ADC	0.456436042	0.366837463	0.496459877
## Variance_hist.ADC	0.410244005	0.260142923	0.183748154
## Standard_Deviation_hist.ADC	0.586569763	0.349428496	0.328759674
## Skewness_hist.ADC	0.661563807	0.143836312	0.087037219
## Kurtosis_hist.ADC	0.119588417	0.158191736	-0.170759381
## Energy_hist.ADC	0.319623132	0.991155651	0.437625377
## Entropy_hist.ADC	0.731374279	0.389164405	0.313512546
## AUC_hist.ADC	0.793010429	0.478789743	0.457081529
## Volume.ADC	0.412169372	-0.139262078	-0.056578936
## X3D_surface.ADC	0.496931309	0.120069144	-0.230606278
## ratio_3ds_vol.ADC	0.372947474	0.463611515	0.857694445
## ratio_3ds_vol_norm.ADC	0.694935745	0.373610795	0.398090585
## irregularity.ADC	0.699143357	0.465812162	0.668947386
## Compactness_v1.ADC	0.501870187	0.938324776	0.510729015
##	Dissimilarity_cooc.L.ADC	Inv_diff_cooc.L.ADC	
## Failure	0.158079426	-0.069465885	
## Entropy_cooc.W.ADC	-0.097556299	0.097608298	
## GLNU_align.H.PET	-0.174544008	0.058258421	
## Min_hist.PET	0.400203126	0.443309361	
## Max_hist.PET	0.346989744	0.509952281	
## Mean_hist.PET	0.385421223	0.457917191	
## Variance_hist.PET	0.174077189	0.242940837	
## Standard_Deviation_hist.PET	0.351583183	0.503731223	
## Skewness_hist.PET	0.347676244	0.523177906	
## Kurtosis_hist.PET	0.016887158	0.217439831	
## Energy_hist.PET	0.454582458	0.425784469	
## Entropy_hist.PET	0.598619091	0.798599027	
## AUC_hist.PET	0.745003141	0.892178529	
## H_suv.PET	0.371806956	0.544776835	
## Volume.PET	0.084384917	0.380816233	
## X3D_surface.PET	0.071113205	0.263852091	
## ratio_3ds_vol.PET	0.561148759	0.478977550	
## ratio_3ds_vol_norm.PET	0.436582198	0.577280756	
## irregularity.PET	0.778789025	0.827440222	
## tumor_length.PET	0.339465478	0.618956070	
## Compactness_v1.PET	0.476026020	0.548293119	
## Compactness_v2.PET	0.122160312	0.196458491	
## Spherical_disproportion.PET	0.436582198	0.577280756	
## Sphericity.PET	0.102778504	0.188949696	
## Asphericity.PET	0.420098912	0.559070683	
## Center_of_mass.PET	0.207802920	0.395505454	
## Max_3D_diam.PET	0.240823905	0.439414601	
## Major_axis_length.PET	0.324742378	0.464449464	
## Minor_axis_length.PET	0.328528707	0.683740815	
## Least_axis_length.PET	0.242114963	0.584054537	
## Elongation.PET	0.599619217	0.798534768	
## Flatness.PET	0.516301418	0.741167810	

## Max_cooc.L.PET	0.442194331	0.469322374
## Average_cooc.L.PET	0.725466317	0.649179654
## Variance_cooc.L.PET	0.646584053	0.475907277
## Entropy_cooc.L.PET	0.724715426	0.869527744
## DAVE_cooc.L.PET	0.690167734	0.600664463
## DVAR_cooc.L.PET	0.592657054	0.561091664
## DENT_cooc.L.PET	0.768078690	0.834381783
## SAVE_cooc.L.PET	0.725268446	0.648910915
## SVAR_cooc.L.PET	0.645382951	0.483945488
## SENT_cooc.L.PET	0.769202194	0.849428609
## ASM_cooc.L.PET	0.414650007	0.449581635
## Contrast_cooc.L.PET	0.561385338	0.398984939
## Dissimilarity_cooc.L.PET	0.690167734	0.600664463
## Inv_diff_cooc.L.PET	0.572239976	0.820229298
## Inv_diff_norm_cooc.L.PET	0.732312852	0.891973427
## IDM_cooc.L.PET	0.500134196	0.757152847
## IDM_norm_cooc.L.PET	0.742958023	0.889942877
## Inv_var_cooc.L.PET	0.497623598	0.767558136
## Correlation_cooc.L.PET	0.448958612	0.608354076
## Autocorrelation_cooc.L.PET	0.619427051	0.442277760
## Tendency_cooc.L.PET	0.645382951	0.483945488
## Shade_cooc.L.PET	0.280422611	0.252489935
## Prominence_cooc.L.PET	0.519102413	0.305552109
## IC1_.L.PET	-0.493490938	-0.133575437
## IC2_.L.PET	0.800791175	0.727959250
## Coarseness_vdif_.L.PET	0.535733569	0.409573529
## Contrast_vdif_.L.PET	0.329820412	0.117866375
## Busyness_vdif_.L.PET	0.049264268	0.397814287
## Complexity_vdif_.L.PET	0.639841679	0.585564718
## Strength_vdif_.L.PET	0.420019164	0.151242191
## SRE_align.L.PET	0.759991078	0.882448865
## LRE_align.L.PET	0.729582954	0.887482458
## GLNU_align.L.PET	0.031898735	0.332788345
## RLNU_align.L.PET	0.039535441	0.283430660
## RP_align.L.PET	0.761483735	0.881162843
## LGRE_align.L.PET	0.469795452	0.608983281
## HGRE_align.L.PET	0.628919880	0.465159214
## LGSRE_align.L.PET	0.475730689	0.613014845
## HGSRE_align.L.PET	0.629511446	0.463178296
## LGHRE_align.L.PET	0.443850990	0.589829399
## HGLRE_align.L.PET	0.624253228	0.471972084
## GLNU_norm_align.L.PET	0.556978482	0.655366008
## RLNU_norm_align.L.PET	0.765962346	0.876455773
## GLVAR_align.L.PET	0.657174108	0.507114491
## RLVAR_align.L.PET	0.456526893	0.659898916
## Entropy_align.L.PET	0.738492936	0.868306412
## SZSE.L.PET	0.752627467	0.862294270
## LZSE.L.PET	0.463073079	0.634066341
## LGLZE.L.PET	0.477503476	0.622000440
## HGLZE.L.PET	0.632865147	0.475028655
## SZLGE.L.PET	0.494427734	0.629322923
## SZHGE.L.PET	0.629318315	0.473792743
## LZLGE.L.PET	0.337899398	0.506780147
## LZHGE.L.PET	0.506495203	0.383088552

## GLNU_area.L.PET	0.037317867	0.330755667
## ZSNU.L.PET	0.046049500	0.279781627
## ZSP.L.PET	0.764844669	0.861091006
## GLNU_norm.L.PET	0.557143852	0.656001847
## ZSNU_norm.L.PET	0.775094737	0.854391532
## GLVAR_area.L.PET	0.662693679	0.518999727
## ZSVAR.L.PET	0.219452498	0.486937511
## Entropy_area.L.PET	0.726790178	0.876660518
## Max_cooc.H.PET	0.356698368	0.226431240
## Average_cooc.H.PET	0.764889167	0.840991911
## Variance_cooc.H.PET	0.612370919	0.776180171
## Entropy_cooc.H.PET	0.625674607	0.738342675
## DAVE_cooc.H.PET	0.658528375	0.783014002
## DVAR_cooc.H.PET	0.659811240	0.754282832
## DENT_cooc.H.PET	0.528319551	0.701573922
## SAVE_cooc.H.PET	0.759085331	0.853185290
## SVAR_cooc.H.PET	0.601873886	0.757357308
## SENT_cooc.H.PET	0.518827944	0.652485195
## ASM_cooc.H.PET	0.356344476	0.221178335
## Contrast_cooc.H.PET	0.601678943	0.692938811
## Dissimilarity_cooc.H.PET	0.658528375	0.783014002
## Inv_diff_cooc.H.PET	0.578231280	0.568039438
## Inv_diff_norm_cooc.H.PET	0.755036488	0.880473557
## IDM_cooc.H.PET	0.510208210	0.471228055
## IDM_norm_cooc.H.PET	0.753962819	0.884279161
## Inv_var_cooc_.H.PET	0.485747519	0.591066765
## Correlation_cooc.H.PET	0.448537389	0.615979976
## Autocorrelation_cooc.H.PET	0.744994052	0.777250366
## Tendency_cooc.H.PET	0.563365762	0.751722528
## Shade_cooc.H.PET	-0.335093289	-0.348066634
## Prominence_cooc.H.PET	0.383592682	0.568503226
## IC1_d.H.PET	-0.062143056	-0.033846820
## IC2_d.H.PET	0.567518162	0.698870683
## Coarseness_vdif.H.PET	0.425484191	0.432622216
## Contrast_vdif.H.PET	0.409457675	0.168201266
## Busyness_vdif.H.PET	-0.089521509	0.188689926
## Complexity_vdif.H.PET	0.580397592	0.583442898
## Strength_vdif.H.PET	0.109588508	-0.027841347
## SRE_align.H.PET	0.722251792	0.871556591
## LRE_align.H.PET	0.529507545	0.533988666
## RLNU_align.H.PET	0.058130232	0.275064809
## RP_align.H.PET	0.716586682	0.859141376
## LGRE_align.H.PET	0.430074298	0.461563470
## HGRE_align.H.PET	0.743005719	0.783728647
## LGSRE_align.H.PET	0.428654687	0.459383791
## HGSRE_align.H.PET	0.757402002	0.835037465
## LGHRE_align.H.PET	0.437451572	0.473205740
## HGLRE_align.H.PET	0.393720535	0.348431155
## GLNU_norm_align.H.PET	0.505095750	0.405447490
## RLNU_norm_align.H.PET	0.672219180	0.819235399
## GLVAR_align.H.PET	0.579318595	0.750988983
## RLVAR_align.H.PET	0.243128779	0.237163329
## Entropy_align.H.PET	0.620094756	0.825801024
## SZSE.H.PET	0.600776071	0.791154105

## LZSE.H.PET	-0.025468751	-0.075885548
## LGLZE.H.PET	0.430914232	0.461515161
## HGLZE.H.PET	0.645270970	0.763736392
## SZLGE.H.PET	0.426783651	0.456039674
## SZHGE.H.PET	0.597413173	0.746644879
## LZLGE.H.PET	0.028128405	-0.010360037
## LZHGE.H.PET	-0.001691507	-0.070741185
## GLNU_area.H.PET	0.031348752	0.341157204
## ZSNU.H.PET	0.080483680	0.220277652
## ZSP.H.PET	0.466987985	0.623034911
## GLNU_norm.H.PET	0.523862772	0.414554556
## ZSNU_norm.H.PET	0.500004232	0.670527172
## GLVAR_area.H.PET	0.557512207	0.732217109
## ZSVAR_H.PET	-0.017706904	-0.071922721
## Entropy_area.H.PET	0.653602615	0.871794642
## Max_cooc.W.PET	0.390459083	0.286590303
## Average_cooc.W.PET	0.363700414	0.477993966
## Variance_cooc.W.PET	0.175860260	0.241005912
## Entropy_cooc.W.PET	0.588505018	0.788361847
## DAVE_cooc.W.PET	0.386320721	0.499442450
## DVAR_cooc.W.PET	0.214716392	0.258112718
## DENT_cooc.W.PET	0.587328939	0.770842648
## SAVE_cooc.W.PET	0.362949619	0.477202656
## SVAR_cooc.W.PET	0.149857127	0.225467859
## SENT_cooc.W.PET	0.636840838	0.822123583
## ASM_cooc.W.PET	0.418752179	0.341961897
## Contrast_cooc.W.PET	0.227728929	0.259614973
## Dissimilarity_cooc.W.PET	0.386320721	0.499442450
## Inv_diff_cooc.W.PET	0.630945162	0.642483957
## Inv_diff_norm_cooc.W.PET	0.734635974	0.891097694
## IDM_cooc.W.PET	0.546776519	0.516097063
## IDM_norm_cooc.W.PET	0.743809157	0.889727656
## Inv_var_cooc.W.PET	0.590059344	0.588324704
## Correlation_cooc.W.PET	0.445585825	0.609588410
## Autocorrelation_cooc.W.PET	0.189950016	0.227086722
## Tendency_cooc.W.PET	0.149857127	0.225467859
## Shade_cooc.W.PET	0.005152664	0.068180442
## Prominence_cooc.W.PET	-0.001748117	0.028060284
## IC1_d.W.PET	-0.092452518	-0.028439744
## IC2_d.W.PET	0.652015364	0.739352014
## Coarseness_vdif.W.PET	0.542118374	0.354727774
## Contrast_vdif.W.PET	0.411328175	0.401848720
## Busyness_vdif.W.PET	0.135063092	0.206350379
## Complexity_vdif.W.PET	0.104259160	0.169640033
## Strength_vdif.W.PET	0.212107955	0.208306261
## SRE_align.W.PET	0.743702922	0.884896268
## LRE_align.W.PET	0.681276156	0.748211695
## GLNU_align.W.PET	0.007293542	0.341621988
## RLNU_align.W.PET	0.048714446	0.280963585
## RP_align.W.PET	0.740299507	0.881191487
## LGRE_align.W.PET	0.465227304	0.403795885
## HGRE_align.W.PET	0.188080640	0.230795892
## LGSRE_align.W.PET	0.489177310	0.440879017
## HGSRE_align.W.PET	0.186502710	0.226056944

## LGHRE_align.W.PET	0.345140716	0.245928633
## HGLRE_align.W.PET	0.193458486	0.249848445
## GLNU_norm_align.W.PET	0.512535657	0.416037580
## RLNU_norm_align.W.PET	0.719825105	0.868803229
## GLVAR_align.W.PET	0.173095402	0.243187061
## RLVAR_align.W.PET	0.324248852	0.303398246
## Entropy_align.W.PET	0.624289792	0.826866313
## SZSE.W.PET	0.694640445	0.852945926
## LZSE.W.PET	0.153116830	0.078506568
## LGLZE.W.PET	0.472872917	0.436710543
## HGLZE.W.PET	0.189782317	0.234087797
## SZLGE.W.PET	0.514501181	0.525391412
## SZHGE.W.PET	0.186568621	0.219661329
## LZLGE.W.PET	0.065400100	-0.048942122
## LZHGE.W.PET	0.178468012	0.291348535
## GLNU_area.W.PET	0.019483447	0.350918801
## ZSNU.W.PET	0.065370760	0.255747692
## ZSP.W.PET	0.629657419	0.793352878
## GLNU_norm.W.PET	0.534440155	0.431265946
## ZSNU_norm.W.PET	0.627349517	0.789703202
## GLVAR_area.W.PET	0.173449525	0.248728332
## ZSVAR.W.PET	0.076713557	0.010886857
## Entropy_area.W.PET	0.653657812	0.859802254
## Min_hist.ADC	0.591108259	0.123030768
## Max_hist.ADC	0.502416040	0.896104761
## Mean_hist.ADC	0.678030037	0.771892778
## Variance_hist.ADC	0.285126671	0.446970764
## Standard_Deviation_hist.ADC	0.500000738	0.678389237
## Skewness_hist.ADC	0.118574950	0.263859601
## Kurtosis_hist.ADC	-0.075484150	0.475394565
## Energy_hist.ADC	0.471388591	0.434340420
## Entropy_hist.ADC	0.586642710	0.905832839
## AUC_hist.ADC	0.688297630	0.905914399
## Volume.ADC	0.062967741	0.376798133
## X3D_surface.ADC	-0.046386912	0.625253415
## ratio_3ds_vol.ADC	0.878513495	0.370517372
## ratio_3ds_vol_norm.ADC	0.634087954	0.879826188
## irregularity.ADC	0.847813621	0.782120899
## Compactness_v1.ADC	0.620996918	0.632735050
##	Inv_diff_norm_cooc.L.ADC	IDM_cooc.L.ADC
## Failure	-0.014251613	-0.077498489
## Entropy_cooc.W.ADC	0.039182819	0.110440427
## GLNU_align.H.PET	-0.025879660	0.082152180
## Min_hist.PET	0.528927761	0.387941788
## Max_hist.PET	0.552263691	0.467953315
## Mean_hist.PET	0.531191189	0.407121820
## Variance_hist.PET	0.265885240	0.223314490
## Standard_Deviation_hist.PET	0.544188027	0.464201979
## Skewness_hist.PET	0.542293847	0.492205653
## Kurtosis_hist.PET	0.163738291	0.226512000
## Energy_hist.PET	0.438378745	0.423349328
## Entropy_hist.PET	0.875636955	0.730699892
## AUC_hist.PET	0.993909714	0.816282903
## H_suv.PET	0.569476906	0.512700535

## Volume.PET	0.343357547	0.373815685
## X3D_surface.PET	0.233350461	0.261333808
## ratio_3ds_vol.PET	0.561373430	0.439852616
## ratio_3ds_vol_norm.PET	0.586703097	0.557028158
## irregularity.PET	0.960975653	0.743031850
## tumor_length.PET	0.615176193	0.590910125
## Compactness_v1.PET	0.551152528	0.540780979
## Compactness_v2.PET	0.234704021	0.165993297
## Spherical_disproportion.PET	0.586703097	0.557028158
## Sphericity.PET	0.235395032	0.151817938
## Asphericity.PET	0.564908576	0.541138563
## Center_of_mass.PET	0.379784568	0.386408564
## Max_3D_diam.PET	0.470530553	0.400192337
## Major_axis_length.PET	0.510143822	0.423929070
## Minor_axis_length.PET	0.676605846	0.649620036
## Least_axis_length.PET	0.575629192	0.552336243
## Elongation.PET	0.862482594	0.737707036
## Flatness.PET	0.802155185	0.678961504
## Max_cooc.L.PET	0.466760054	0.469706051
## Average_cooc.L.PET	0.798437362	0.569604513
## Variance_cooc.L.PET	0.629126953	0.403856168
## Entropy_cooc.L.PET	0.979249442	0.788894591
## DAVE_cooc.L.PET	0.743849952	0.525852578
## DVAR_cooc.L.PET	0.660676753	0.506891482
## DENT_cooc.L.PET	0.964180002	0.750503711
## SAVE_cooc.L.PET	0.798246479	0.569295232
## SVAR_cooc.L.PET	0.638425126	0.410055566
## SENT_cooc.L.PET	0.970298716	0.769368980
## ASM_cooc.L.PET	0.438495393	0.454217147
## Contrast_cooc.L.PET	0.529596106	0.339544771
## Dissimilarity_cooc.L.PET	0.743849952	0.525852578
## Inv_diff_cooc.L.PET	0.860287837	0.769812368
## Inv_diff_norm_cooc.L.PET	0.993817650	0.814430086
## IDM_cooc.L.PET	0.772587166	0.720476665
## IDM_norm_cooc.L.PET	0.996650463	0.810905737
## Inv_var_cooc.L.PET	0.777795323	0.732754343
## Correlation_cooc.L.PET	0.661857376	0.559062256
## Autocorrelation_cooc.L.PET	0.587660025	0.376060480
## Tendency_cooc.L.PET	0.638425126	0.410055566
## Shade_cooc.L.PET	0.319260209	0.215390663
## Prominence_cooc.L.PET	0.443812612	0.246791444
## IC1_.L.PET	-0.331241894	-0.054527073
## IC2_.L.PET	0.885758309	0.642219538
## Coarseness_vdif_.L.PET	0.466513475	0.391165742
## Contrast_vdif_.L.PET	0.216432245	0.082948972
## Busyness_vdif_.L.PET	0.334226674	0.399173819
## Complexity_vdif_.L.PET	0.705422903	0.520991618
## Strength_vdif_.L.PET	0.276800455	0.106404526
## SRE_align.L.PET	0.996430826	0.801811929
## LRE_align.L.PET	0.991244475	0.808884966
## GLNU_align.L.PET	0.276553441	0.335180957
## RLNU_align.L.PET	0.247430426	0.280057742
## RP_align.L.PET	0.996045310	0.800288547
## LGRE_align.L.PET	0.632614073	0.579787091

## HGRE_align.L.PET	0.609729299	0.397865440
## LGSRE_align.L.PET	0.637273681	0.583691823
## HGSRE_align.L.PET	0.608037257	0.396005159
## LGHRE_align.L.PET	0.610681949	0.561405248
## HGLRE_align.L.PET	0.614811598	0.404394497
## GLNU_norm_align.L.PET	0.678245202	0.632288586
## RLNU_norm_align.L.PET	0.993982932	0.795002054
## GLVAR_align.L.PET	0.657312958	0.434647008
## RLVAR_align.L.PET	0.649194063	0.645306494
## Entropy_align.L.PET	0.982776340	0.786526698
## SZSE.L.PET	0.973787103	0.784790558
## LZSE.L.PET	0.695911032	0.577842521
## LGLZE.L.PET	0.644536152	0.592983837
## HGLZE.L.PET	0.619667116	0.407062890
## SZLGE.L.PET	0.653081703	0.600911982
## SZHGE.L.PET	0.614999629	0.407762757
## LZLGE.L.PET	0.514709323	0.482858563
## LZHGE.L.PET	0.507269880	0.322651196
## GLNU_area.L.PET	0.277550498	0.332208974
## ZSNU.L.PET	0.247860343	0.275126295
## ZSP.L.PET	0.979232115	0.781027158
## GLNU_norm.L.PET	0.678559905	0.633083464
## ZSNU_norm.L.PET	0.979903346	0.771563553
## GLVAR_area.L.PET	0.668578738	0.446208559
## ZSVAR.L.PET	0.462251880	0.471797507
## Entropy_area.L.PET	0.984696707	0.796518329
## Max_cooc.H.PET	0.298319741	0.197877551
## Average_cooc.H.PET	0.968439833	0.757124006
## Variance_cooc.H.PET	0.859376063	0.709509933
## Entropy_cooc.H.PET	0.834978393	0.670576376
## DAVE_cooc.H.PET	0.878600590	0.713205207
## DVAR_cooc.H.PET	0.852639174	0.686163524
## DENT_cooc.H.PET	0.777577042	0.636727075
## SAVE_cooc.H.PET	0.975891221	0.770056527
## SVAR_cooc.H.PET	0.846243809	0.687464983
## SENT_cooc.H.PET	0.695130569	0.613440514
## ASM_cooc.H.PET	0.283098283	0.199263059
## Contrast_cooc.H.PET	0.782695606	0.630184699
## Dissimilarity_cooc.H.PET	0.878600590	0.713205207
## Inv_diff_cooc.H.PET	0.666752045	0.510349986
## Inv_diff_norm_cooc.H.PET	0.993170767	0.800205435
## IDM_cooc.H.PET	0.561732672	0.421459885
## IDM_norm_cooc.H.PET	0.996251745	0.803933833
## Inv_var_cooc_.H.PET	0.594112222	0.579642583
## Correlation_cooc.H.PET	0.669832642	0.565916586
## Autocorrelation_cooc.H.PET	0.908767076	0.695635312
## Tendency_cooc.H.PET	0.823942347	0.688893289
## Shade_cooc.H.PET	-0.412732471	-0.308397500
## Prominence_cooc.H.PET	0.610651771	0.524077806
## IC1_d.H.PET	-0.109012582	0.009797471
## IC2_d.H.PET	0.781963459	0.635403398
## Coarseness_vdif.H.PET	0.430105117	0.435197459
## Contrast_vdif.H.PET	0.272052726	0.132964076
## Busyness_vdif.H.PET	0.138999574	0.188669868

## Complexity_vdif.H.PET	0.655206370	0.540983377
## Strength_vdif.H.PET	0.014384689	-0.037785038
## SRE_align.H.PET	0.972782999	0.795772769
## LRE_align.H.PET	0.632311620	0.474596271
## RLNU_align.H.PET	0.244829677	0.271593411
## RP_align.H.PET	0.960658627	0.783959192
## LGRE_align.H.PET	0.455373400	0.463878950
## HGRE_align.H.PET	0.914390845	0.701651666
## LGSRE_align.H.PET	0.452921437	0.461942573
## HGSRE_align.H.PET	0.961375281	0.751751098
## LGHRE_align.H.PET	0.468520840	0.474141431
## HGLRE_align.H.PET	0.431100474	0.303366816
## GLNU_norm_align.H.PET	0.501526064	0.359141686
## RLNU_norm_align.H.PET	0.911338155	0.749224401
## GLVAR_align.H.PET	0.827038657	0.687691163
## RLVAR_align.H.PET	0.280964070	0.210746892
## Entropy_align.H.PET	0.906020878	0.756255938
## SZSE.H.PET	0.861067436	0.729539547
## LZSE.H.PET	-0.061713580	-0.079402458
## LGLZE.H.PET	0.456005388	0.463536034
## HGLZE.H.PET	0.868395032	0.687092867
## SZLGE.H.PET	0.449603801	0.458747992
## SZHGE.H.PET	0.834637051	0.678006590
## LZLGE.H.PET	0.002163377	-0.014233501
## LZHGE.H.PET	-0.054244859	-0.073546350
## GLNU_area.H.PET	0.287895886	0.340944775
## ZSNU.H.PET	0.210005287	0.213545283
## ZSP.H.PET	0.677390361	0.574338673
## GLNU_norm.H.PET	0.513410241	0.368093524
## ZSNU_norm.H.PET	0.730495058	0.616759221
## GLVAR_area.H.PET	0.806521641	0.669267416
## ZSVAR_H.PET	-0.059025590	-0.074280508
## Entropy_area.H.PET	0.952864188	0.800220141
## Max_cooc.W.PET	0.337623717	0.268233289
## Average_cooc.W.PET	0.530684698	0.435503930
## Variance_cooc.W.PET	0.265379603	0.220783336
## Entropy_cooc.W.PET	0.863418228	0.722688844
## DAVE_cooc.W.PET	0.555809285	0.454354007
## DVAR_cooc.W.PET	0.296940934	0.231478660
## DENT_cooc.W.PET	0.846991806	0.706308906
## SAVE_cooc.W.PET	0.529931772	0.434690616
## SVAR_cooc.W.PET	0.240899852	0.209575282
## SENT_cooc.W.PET	0.900438602	0.756073108
## ASM_cooc.W.PET	0.374486721	0.332032867
## Contrast_cooc.W.PET	0.305240700	0.229853295
## Dissimilarity_cooc.W.PET	0.555809285	0.454354007
## Inv_diff_cooc.W.PET	0.746657655	0.579249439
## Inv_diff_norm_cooc.W.PET	0.993916601	0.813329443
## IDM_cooc.W.PET	0.611742259	0.462396350
## IDM_norm_cooc.W.PET	0.996717329	0.810649755
## Inv_var_cooc.W.PET	0.682896308	0.532431331
## Correlation_cooc.W.PET	0.661606513	0.560670205
## Autocorrelation_cooc.W.PET	0.261011799	0.204690218
## Tendency_cooc.W.PET	0.240899852	0.209575282

## Shade_cooc.W.PET	0.049537050	0.073994064
## Prominence_cooc.W.PET	0.015524125	0.034142516
## IC1_d.W.PET	-0.124607087	0.024041774
## IC2_d.W.PET	0.844817738	0.667197960
## Coarseness_vdif.W.PET	0.432150950	0.330873953
## Contrast_vdif.W.PET	0.480650471	0.355930223
## Busyness_vdif.W.PET	0.234740393	0.181553404
## Complexity_vdif.W.PET	0.174543149	0.161694144
## Strength_vdif.W.PET	0.250672590	0.182953054
## SRE_align.W.PET	0.991878652	0.806498179
## LRE_align.W.PET	0.862552124	0.672620771
## GLNU_align.W.PET	0.284803442	0.339526602
## RLNU_align.W.PET	0.246717329	0.278066063
## RP_align.W.PET	0.987675572	0.803148239
## LGRE_align.W.PET	0.487689362	0.360202490
## HGRE_align.W.PET	0.264039891	0.208175065
## LGSRE_align.W.PET	0.524341097	0.396212183
## HGSRE_align.W.PET	0.259590725	0.203610907
## LGHRE_align.W.PET	0.323338120	0.210022649
## HGLRE_align.W.PET	0.281712563	0.226527098
## GLNU_norm_align.W.PET	0.502761145	0.375178858
## RLNU_norm_align.W.PET	0.969546272	0.793378409
## GLVAR_align.W.PET	0.265779938	0.223647073
## RLVAR_align.W.PET	0.354194868	0.274829057
## Entropy_align.W.PET	0.908105505	0.757109030
## SZSE.W.PET	0.943691658	0.782643352
## LZSE.W.PET	0.121953449	0.060280610
## LGLZE.W.PET	0.513738345	0.394610202
## HGLZE.W.PET	0.267628377	0.211120439
## SZLGE.W.PET	0.590607396	0.485640414
## SZHGE.W.PET	0.254904699	0.196921175
## LZLGE.W.PET	-0.008955712	-0.060826348
## LZHGE.W.PET	0.307266189	0.271013933
## GLNU_area.W.PET	0.294064098	0.349750725
## ZSNU.W.PET	0.231921540	0.251454002
## ZSP.W.PET	0.874854867	0.727777922
## GLNU_norm.W.PET	0.522028130	0.388853163
## ZSNU_norm.W.PET	0.870602642	0.724685862
## GLVAR_area.W.PET	0.269938853	0.229448146
## ZSVAR.W.PET	0.035132807	0.003289004
## Entropy_area.W.PET	0.945020537	0.787175370
## Min_hist.ADC	0.300669624	0.073503528
## Max_hist.ADC	0.895727969	0.853477187
## Mean_hist.ADC	0.863633585	0.709167904
## Variance_hist.ADC	0.454124118	0.421574639
## Standard_Deviation_hist.ADC	0.728602637	0.626392023
## Skewness_hist.ADC	0.236038175	0.265404036
## Kurtosis_hist.ADC	0.303439193	0.523168030
## Energy_hist.ADC	0.446770956	0.433101161
## Entropy_hist.ADC	0.961627499	0.837012459
## AUC_hist.ADC	0.979551897	0.839362573
## Volume.ADC	0.332234941	0.371873747
## X3D_surface.ADC	0.463527455	0.649612545
## ratio_3ds_vol.ADC	0.614505284	0.282499034

## ratio_3ds_vol_norm.ADC	0.944597134	0.815769042
## irregularity.ADC	0.945985970	0.692873334
## Compactness_v1.ADC	0.684989651	0.601603516
##	IDM_norm_cooc.L.ADC	Inv_var_cooc.L.ADC
## Failure	-0.006158642	-0.077823575
## Entropy_cooc.W.ADC	0.031771999	0.107948507
## GLNU_align.H.PET	-0.035079355	0.082506816
## Min_hist.PET	0.531322085	0.392887551
## Max_hist.PET	0.550066023	0.470102118
## Mean_hist.PET	0.532380752	0.411900142
## Variance_hist.PET	0.265315794	0.224182632
## Standard_Deviation_hist.PET	0.542234871	0.468329732
## Skewness_hist.PET	0.539480940	0.488467204
## Kurtosis_hist.PET	0.157190488	0.216860798
## Energy_hist.PET	0.444194938	0.426897070
## Entropy_hist.PET	0.873883199	0.734676112
## AUC_hist.PET	0.995424044	0.824693944
## H_suv.PET	0.566889101	0.516448471
## Volume.PET	0.333831505	0.368463679
## X3D_surface.PET	0.227468679	0.262169111
## ratio_3ds_vol.PET	0.569293198	0.444703466
## ratio_3ds_vol_norm.PET	0.585896308	0.561112475
## irregularity.PET	0.966107606	0.750931915
## tumor_length.PET	0.608598375	0.596465615
## Compactness_v1.PET	0.553611960	0.542753693
## Compactness_v2.PET	0.232928140	0.164086458
## Spherical_disproportion.PET	0.585896308	0.561112475
## Sphericity.PET	0.232839582	0.149976638
## Asphericity.PET	0.564023099	0.544999101
## Center_of_mass.PET	0.374960232	0.388081715
## Max_3D_diam.PET	0.465589801	0.399274504
## Major_axis_length.PET	0.508091351	0.423206821
## Minor_axis_length.PET	0.667179963	0.651055673
## Least_axis_length.PET	0.566002167	0.555462775
## Elongation.PET	0.860991717	0.745820823
## Flatness.PET	0.799274120	0.691285619
## Max_cooc.L.PET	0.470574139	0.472084340
## Average_cooc.L.PET	0.806953980	0.583128240
## Variance_cooc.L.PET	0.640140436	0.416399841
## Entropy_cooc.L.PET	0.980446562	0.799492425
## DAVE_cooc.L.PET	0.752586089	0.537943125
## DVAR_cooc.L.PET	0.666787598	0.515727381
## DENT_cooc.L.PET	0.968431719	0.761259986
## SAVE_cooc.L.PET	0.806762513	0.582821080
## SVAR_cooc.L.PET	0.649081574	0.422585865
## SENT_cooc.L.PET	0.974215740	0.780388675
## ASM_cooc.L.PET	0.441817933	0.456893809
## Contrast_cooc.L.PET	0.539694019	0.350421396
## Dissimilarity_cooc.L.PET	0.752586089	0.537943125
## Inv_diff_cooc.L.PET	0.857235384	0.773237735
## Inv_diff_norm_cooc.L.PET	0.994781800	0.822608587
## IDM_cooc.L.PET	0.768751581	0.722191726
## IDM_norm_cooc.L.PET	0.998109653	0.819528594
## Inv_var_cooc.L.PET	0.773463857	0.733132452

## Correlation_cooc.L.PET	0.660395074	0.563811466
## Autocorrelation_cooc.L.PET	0.598514913	0.389034112
## Tendency_cooc.L.PET	0.649081574	0.422585865
## Shade_cooc.L.PET	0.322598117	0.217078863
## Prominence_cooc.L.PET	0.455110384	0.254889928
## IC1_.L.PET	-0.347266525	-0.062881305
## IC2_.L.PET	0.895160008	0.653502665
## Coarseness_vdif_.L.PET	0.476146611	0.395811580
## Contrast_vdif_.L.PET	0.226667399	0.089155783
## Busyness_vdif_.L.PET	0.322551456	0.394563719
## Complexity_vdif_.L.PET	0.712866308	0.530454473
## Strength_vdif_.L.PET	0.289936158	0.108434387
## SRE_align.L.PET	0.998839297	0.810931325
## LRE_align.L.PET	0.992229900	0.817930717
## GLNU_align.L.PET	0.266545082	0.331050915
## RLNU_align.L.PET	0.239408718	0.277748916
## RP_align.L.PET	0.998558371	0.809525262
## LGRE_align.L.PET	0.632576511	0.580339337
## HGRE_align.L.PET	0.620235041	0.411530982
## LGSRE_align.L.PET	0.637358037	0.584408559
## HGSRE_align.L.PET	0.618633230	0.409590804
## LGHRE_align.L.PET	0.610168181	0.561295447
## HGLRE_align.L.PET	0.624895597	0.418416855
## GLNU_norm_align.L.PET	0.680507235	0.634111447
## RLNU_norm_align.L.PET	0.996835610	0.804568642
## GLVAR_align.L.PET	0.667658390	0.447946834
## RLVAR_align.L.PET	0.647028886	0.647802904
## Entropy_align.L.PET	0.984612941	0.797281901
## SZSE.L.PET	0.976559885	0.792122968
## LZSE.L.PET	0.694180768	0.588858216
## LGLZE.L.PET	0.644374330	0.594030628
## HGLZE.L.PET	0.630022679	0.421133515
## SZLGE.L.PET	0.653403337	0.602103781
## SZHGE.L.PET	0.625260618	0.420589421
## LZLGE.L.PET	0.512406224	0.482647439
## LZHGE.L.PET	0.515420165	0.338554846
## GLNU_area.L.PET	0.267833484	0.327736609
## ZSNU.L.PET	0.240225271	0.272512046
## ZSP.L.PET	0.982557796	0.789446253
## GLNU_norm.L.PET	0.680817632	0.634921267
## ZSNU_norm.L.PET	0.983878300	0.781919726
## GLVAR_area.L.PET	0.678752719	0.460043994
## ZSVAR.L.PET	0.455388201	0.475050706
## Entropy_area.L.PET	0.985760092	0.806864679
## Max_cooc.H.PET	0.306118922	0.196709305
## Average_cooc.H.PET	0.972408273	0.765360023
## Variance_cooc.H.PET	0.858979196	0.720358837
## Entropy_cooc.H.PET	0.836526446	0.679298615
## DAVE_cooc.H.PET	0.879883301	0.723618457
## DVAR_cooc.H.PET	0.854873896	0.696587208
## DENT_cooc.H.PET	0.776142199	0.641037861
## SAVE_cooc.H.PET	0.979068987	0.778515011
## SVAR_cooc.H.PET	0.846245412	0.696933875
## SENT_cooc.H.PET	0.695504370	0.623501181

## ASM_cooc.H.PET	0.291099183	0.199071005
## Contrast_cooc.H.PET	0.784554190	0.640800241
## Dissimilarity_cooc.H.PET	0.879883301	0.723618457
## Inv_diff_cooc.H.PET	0.672231766	0.514964435
## Inv_diff_norm_cooc.H.PET	0.995478508	0.808855089
## IDM_cooc.H.PET	0.567600495	0.425187650
## IDM_norm_cooc.H.PET	0.998371631	0.812752803
## Inv_var_cooc_.H.PET	0.595511954	0.582657290
## Correlation_cooc.H.PET	0.668243477	0.571641839
## Autocorrelation_cooc.H.PET	0.914063480	0.702655758
## Tendency_cooc.H.PET	0.822362082	0.698898407
## Shade_cooc.H.PET	-0.415133646	-0.319032518
## Prominence_cooc.H.PET	0.607758247	0.531989018
## IC1_d.H.PET	-0.110102924	0.005182067
## IC2_d.H.PET	0.782589767	0.642293695
## Coarseness_vdif.H.PET	0.434463871	0.438185090
## Contrast_vdif.H.PET	0.283204240	0.135361380
## Busyness_vdif.H.PET	0.128020866	0.182821432
## Complexity_vdif.H.PET	0.660405669	0.552269194
## Strength_vdif.H.PET	0.020267306	-0.040252606
## SRE_align.H.PET	0.973985743	0.804688987
## LRE_align.H.PET	0.636588460	0.480948023
## RLNU_align.H.PET	0.237897708	0.268450520
## RP_align.H.PET	0.962051295	0.792869838
## LGRE_align.H.PET	0.458966829	0.467197514
## HGRE_align.H.PET	0.919408249	0.708875920
## LGSRE_align.H.PET	0.456527921	0.465224801
## HGSRE_align.H.PET	0.965297997	0.759538145
## LGHRE_align.H.PET	0.472032488	0.477745076
## HGLRE_align.H.PET	0.435872202	0.307666271
## GLNU_norm_align.H.PET	0.509400625	0.361385055
## RLNU_norm_align.H.PET	0.912196075	0.758098689
## GLVAR_align.H.PET	0.826101084	0.697908910
## RLVAR_align.H.PET	0.283133737	0.214829755
## Entropy_align.H.PET	0.904410920	0.764734129
## SZSE.H.PET	0.859917767	0.735548129
## LZSE.H.PET	-0.060229766	-0.079874438
## LGLZE.H.PET	0.459641351	0.466896014
## HGLZE.H.PET	0.869886914	0.692748699
## SZLGE.H.PET	0.453249462	0.461974224
## SZHGE.H.PET	0.834927363	0.684662732
## LZLGE.H.PET	0.003807428	-0.013972475
## LZHGE.H.PET	-0.052011774	-0.074297367
## GLNU_area.H.PET	0.277461714	0.337684320
## ZSNU.H.PET	0.205933263	0.209421506
## ZSP.H.PET	0.676183910	0.579892368
## GLNU_norm.H.PET	0.521661045	0.371403198
## ZSNU_norm.H.PET	0.729261185	0.623408841
## GLVAR_area.H.PET	0.805352682	0.679573961
## ZSVAR_H.PET	-0.057396449	-0.075379019
## Entropy_area.H.PET	0.951042241	0.809437532
## Max_cooc.W.PET	0.345114063	0.267595851
## Average_cooc.W.PET	0.530106018	0.440067883
## Variance_cooc.W.PET	0.264959817	0.221999287

## Entropy_cooc.W.PET	0.861733615	0.730662999
## DAVE_cooc.W.PET	0.555403479	0.460120837
## DVAR_cooc.W.PET	0.297575837	0.233534213
## DENT_cooc.W.PET	0.845880794	0.714038468
## SAVE_cooc.W.PET	0.529346116	0.439249774
## SVAR_cooc.W.PET	0.239914435	0.210071658
## SENT_cooc.W.PET	0.899780542	0.764952496
## ASM_cooc.W.PET	0.381393974	0.333026217
## Contrast_cooc.W.PET	0.306335213	0.232841181
## Dissimilarity_cooc.W.PET	0.555403479	0.460120837
## Inv_diff_cooc.W.PET	0.751775032	0.585442849
## Inv_diff_norm_cooc.W.PET	0.995010723	0.821559853
## IDM_cooc.W.PET	0.617577413	0.467289314
## IDM_norm_cooc.W.PET	0.998221681	0.819305730
## Inv_var_cooc.W.PET	0.688079157	0.537890601
## Correlation_cooc.W.PET	0.659958229	0.565439061
## Autocorrelation_cooc.W.PET	0.261639810	0.205132813
## Tendency_cooc.W.PET	0.239914435	0.210071658
## Shade_cooc.W.PET	0.047703469	0.073131294
## Prominence_cooc.W.PET	0.014758785	0.033488992
## IC1_d.W.PET	-0.127068534	0.018955024
## IC2_d.W.PET	0.847615319	0.675296694
## Coarseness_vdif.W.PET	0.443880942	0.335714286
## Contrast_vdif.W.PET	0.484678412	0.365667687
## Busyness_vdif.W.PET	0.233113610	0.183489553
## Complexity_vdif.W.PET	0.173589712	0.159674157
## Strength_vdif.W.PET	0.253048549	0.184799600
## SRE_align.W.PET	0.993528468	0.815454023
## LRE_align.W.PET	0.866092075	0.681455215
## GLNU_align.W.PET	0.273316298	0.338101889
## RLNU_align.W.PET	0.239183111	0.275205954
## RP_align.W.PET	0.989313958	0.812122340
## LGRE_align.W.PET	0.494000094	0.361312345
## HGRE_align.W.PET	0.264458698	0.208639774
## LGSRE_align.W.PET	0.530418722	0.397817643
## HGSRE_align.W.PET	0.260102552	0.204023487
## LGHRE_align.W.PET	0.329852038	0.209359694
## HGLRE_align.W.PET	0.281714541	0.227359257
## GLNU_norm_align.W.PET	0.510734867	0.377097864
## RLNU_norm_align.W.PET	0.970733070	0.802403262
## GLVAR_align.W.PET	0.265158138	0.224502528
## RLVAR_align.W.PET	0.357707427	0.279010114
## Entropy_align.W.PET	0.906636589	0.765582041
## SZSE.W.PET	0.944373594	0.788718635
## LZSE.W.PET	0.125649969	0.062614821
## LGLZE.W.PET	0.519229249	0.395972173
## HGLZE.W.PET	0.268017685	0.211773341
## SZLGE.W.PET	0.594897610	0.485274338
## SZHGE.W.PET	0.255661030	0.197232367
## LZLGE.W.PET	-0.004379648	-0.064427005
## LZHGE.W.PET	0.305074856	0.277268115
## GLNU_area.W.PET	0.282780441	0.347131855
## ZSNU.W.PET	0.225969259	0.247647693
## ZSP.W.PET	0.874817271	0.734592628

## GLNU_norm.W.PET	0.530376683	0.391597616
## ZSNU_norm.W.PET	0.870616385	0.731735370
## GLVAR_area.W.PET	0.269150652	0.230354869
## ZSVAR.W.PET	0.037855601	0.003287651
## Entropy_area.W.PET	0.943643700	0.796224304
## Min_hist.ADC	0.321166150	0.073376778
## Max_hist.ADC	0.886451252	0.852835022
## Mean_hist.ADC	0.866103733	0.708891723
## Variance_hist.ADC	0.450645024	0.415251557
## Standard_Deviation_hist.ADC	0.726554097	0.624956986
## Skewness_hist.ADC	0.231231691	0.276046638
## Kurtosis_hist.ADC	0.283631790	0.521080315
## Energy_hist.ADC	0.452803042	0.437161965
## Entropy_hist.ADC	0.956227871	0.844055670
## AUC_hist.ADC	0.978023740	0.848406475
## Volume.ADC	0.321923724	0.366165460
## X3D_surface.ADC	0.440271643	0.643036795
## ratio_3ds_vol.ADC	0.638746870	0.293397918
## ratio_3ds_vol_norm.ADC	0.941713226	0.820712987
## irregularity.ADC	0.955232041	0.704622311
## Compactness_v1.ADC	0.690614723	0.608758965
##	Correlation_cooc.L.ADC	Autocorrelation_.L.ADC
## Failure	-0.033064583	-0.077394549
## Entropy_cooc.W.ADC	0.097117955	-0.028612701
## GLNU_align.H.PET	0.073795439	-0.099175952
## Min_hist.PET	0.311000251	0.353934657
## Max_hist.PET	0.379805271	0.318812157
## Mean_hist.PET	0.318316848	0.317471845
## Variance_hist.PET	0.153264145	0.084006131
## Standard_Deviation_hist.PET	0.357478358	0.306950471
## Skewness_hist.PET	0.462175789	0.439570216
## Kurtosis_hist.PET	0.257857248	0.109204196
## Energy_hist.PET	0.292914426	0.287469640
## Entropy_hist.PET	0.715919693	0.534655082
## AUC_hist.PET	0.728073175	0.633246948
## H_suv.PET	0.379545155	0.337305325
## Volume.PET	0.404197657	0.023111590
## X3D_surface.PET	0.267492389	0.112493294
## ratio_3ds_vol.PET	0.294859809	0.483791721
## ratio_3ds_vol_norm.PET	0.406422506	0.369553412
## irregularity.PET	0.669716741	0.665717444
## tumor_length.PET	0.542967225	0.328850532
## Compactness_v1.PET	0.418036701	0.284315679
## Compactness_v2.PET	0.186270609	0.081012992
## Spherical_disproportion.PET	0.406422506	0.369553412
## Sphericity.PET	0.215174320	0.087026887
## Asphericity.PET	0.390542064	0.355224116
## Center_of_mass.PET	0.384010427	0.190806267
## Max_3D_diam.PET	0.419818078	0.190161804
## Major_axis_length.PET	0.422419708	0.199756190
## Minor_axis_length.PET	0.593957816	0.334681893
## Least_axis_length.PET	0.537934058	0.247733121
## Elongation.PET	0.598557636	0.617160321
## Flatness.PET	0.609206558	0.528499548

## Max_cooc.L.PET	0.342655903	0.270465272
## Average_cooc.L.PET	0.497963767	0.493537977
## Variance_cooc.L.PET	0.359476944	0.474406357
## Entropy_cooc.L.PET	0.698209559	0.604214863
## DAVE_cooc.L.PET	0.435786786	0.562898768
## DVAR_cooc.L.PET	0.364295353	0.543486316
## DENT_cooc.L.PET	0.657640663	0.646815848
## SAVE_cooc.L.PET	0.497791420	0.493450996
## SVAR_cooc.L.PET	0.393815195	0.435894554
## SENT_cooc.L.PET	0.667550898	0.635240530
## ASM_cooc.L.PET	0.321022231	0.250725472
## Contrast_cooc.L.PET	0.256488396	0.471677540
## Dissimilarity_cooc.L.PET	0.435786786	0.562898768
## Inv_diff_cooc.L.PET	0.691907249	0.515592852
## Inv_diff_norm_cooc.L.PET	0.728721848	0.629976732
## IDM_cooc.L.PET	0.643189653	0.457400975
## IDM_norm_cooc.L.PET	0.724017903	0.635170558
## Inv_var_cooc.L.PET	0.653654177	0.456344554
## Correlation_cooc.L.PET	0.552261379	0.315861423
## Autocorrelation_cooc.L.PET	0.339751707	0.336952950
## Tendency_cooc.L.PET	0.393815195	0.435894554
## Shade_cooc.L.PET	0.230371050	0.284845675
## Prominence_cooc.L.PET	0.261894016	0.350229047
## IC1_.L.PET	-0.084270145	-0.372607286
## IC2_.L.PET	0.549330186	0.634972564
## Coarseness_vdif_.L.PET	0.277765505	0.323358916
## Contrast_vdif_.L.PET	0.042028394	0.331199698
## Busyness_vdif_.L.PET	0.412736048	0.130323803
## Complexity_vdif_.L.PET	0.401508494	0.596926992
## Strength_vdif_.L.PET	0.106357963	0.357435616
## SRE_align.L.PET	0.712225825	0.644545500
## LRE_align.L.PET	0.719904875	0.638336552
## GLNU_align.L.PET	0.327349157	0.102951152
## RLNU_align.L.PET	0.275420935	0.077062390
## RP_align.L.PET	0.710185831	0.645614231
## LGRE_align.L.PET	0.509364931	0.477921668
## HGRE_align.L.PET	0.337010706	0.363060274
## LGSRE_align.L.PET	0.510391115	0.479924099
## HGSRE_align.L.PET	0.335028160	0.363446250
## LGHRE_align.L.PET	0.501437385	0.466421558
## HGLRE_align.L.PET	0.343607891	0.360830295
## GLNU_norm_align.L.PET	0.526928571	0.447448047
## RLNU_norm_align.L.PET	0.703010621	0.647721308
## GLVAR_align.L.PET	0.381373240	0.464604105
## RLVAR_align.L.PET	0.530335332	0.358771477
## Entropy_align.L.PET	0.694294533	0.608405946
## SZSE.L.PET	0.709796323	0.612968618
## LZSE.L.PET	0.476844224	0.491875544
## LGLZE.L.PET	0.513563436	0.485792437
## HGLZE.L.PET	0.343900497	0.373750396
## SZLGE.L.PET	0.515324532	0.482168509
## SZHGE.L.PET	0.353850089	0.365065433
## LZLGE.L.PET	0.441269572	0.406038996
## LZHGE.L.PET	0.235757754	0.326501079

## GLNU_area.L.PET	0.330603607	0.099381481
## ZSNU.L.PET	0.279684368	0.071977076
## ZSP.L.PET	0.702692754	0.625429819
## GLNU_norm.L.PET	0.526396680	0.445872500
## ZSNU_norm.L.PET	0.687401755	0.636968950
## GLVAR_area.L.PET	0.386228618	0.470329835
## ZSVAR.L.PET	0.389318915	0.280823730
## Entropy_area.L.PET	0.702839908	0.607107975
## Max_cooc.H.PET	0.239099944	0.166513167
## Average_cooc.H.PET	0.704493867	0.633074763
## Variance_cooc.H.PET	0.579639022	0.537909459
## Entropy_cooc.H.PET	0.555738365	0.554255051
## DAVE_cooc.H.PET	0.581036966	0.612004302
## DVAR_cooc.H.PET	0.570275177	0.555399503
## DENT_cooc.H.PET	0.601070736	0.527925774
## SAVE_cooc.H.PET	0.724000908	0.650078399
## SVAR_cooc.H.PET	0.637700835	0.510831472
## SENT_cooc.H.PET	0.439762196	0.495672882
## ASM_cooc.H.PET	0.228832427	0.114905420
## Contrast_cooc.H.PET	0.494424431	0.549181712
## Dissimilarity_cooc.H.PET	0.581036966	0.612004302
## Inv_diff_cooc.H.PET	0.522313739	0.378798644
## Inv_diff_norm_cooc.H.PET	0.721092999	0.632905124
## IDM_cooc.H.PET	0.448647759	0.310282349
## IDM_norm_cooc.H.PET	0.719952706	0.639836303
## Inv_var_cooc.H.PET	0.414726260	0.359011139
## Correlation_cooc.H.PET	0.540043637	0.323603930
## Autocorrelation_cooc.H.PET	0.672837705	0.586770131
## Tendency_cooc.H.PET	0.573829110	0.483718975
## Shade_cooc.H.PET	-0.253549564	-0.292564584
## Prominence_cooc.H.PET	0.410618726	0.336846690
## IC1_d.H.PET	-0.098844185	-0.035177701
## IC2_d.H.PET	0.593183286	0.458522502
## Coarseness_vdif.H.PET	0.303128541	0.255757701
## Contrast_vdif.H.PET	0.139855226	0.138722998
## Busyness_vdif.H.PET	0.289226892	0.019487809
## Complexity_vdif.H.PET	0.369642277	0.520877026
## Strength_vdif.H.PET	-0.004140919	0.015214486
## SRE_align.H.PET	0.682227878	0.646709428
## LRE_align.H.PET	0.505547967	0.361147095
## RLNU_align.H.PET	0.258514486	0.063244797
## RP_align.H.PET	0.667130605	0.642280081
## LGRE_align.H.PET	0.327268427	0.244888025
## HGRE_align.H.PET	0.667219387	0.584168858
## LGSRE_align.H.PET	0.325456103	0.243706349
## HGSRE_align.H.PET	0.680892990	0.646519353
## LGHRE_align.H.PET	0.337466269	0.251297581
## HGLRE_align.H.PET	0.360010747	0.216291523
## GLNU_norm_align.H.PET	0.392193521	0.302793182
## RLNU_norm_align.H.PET	0.619507300	0.622711249
## GLVAR_align.H.PET	0.563041871	0.510733421
## RLVAR_align.H.PET	0.268525559	0.123294166
## Entropy_align.H.PET	0.647983850	0.548471812
## SZSE.H.PET	0.615925707	0.574915447

## LZSE.H.PET	0.001712449	-0.045718826
## LGLZE.H.PET	0.328223527	0.243623708
## HGLZE.H.PET	0.705970681	0.594284253
## SZLGE.H.PET	0.324879746	0.239909173
## SZHGE.H.PET	0.612439936	0.618189239
## LZLGE.H.PET	0.036220273	-0.019674975
## LZHGE.H.PET	-0.002160130	-0.057234580
## GLNU_area.H.PET	0.350610653	0.111493128
## ZSNU.H.PET	0.204848097	0.025272476
## ZSP.H.PET	0.463220138	0.468482595
## GLNU_norm.H.PET	0.381142659	0.301243829
## ZSNU_norm.H.PET	0.494874928	0.506273759
## GLVAR_area.H.PET	0.552578500	0.486820992
## ZSVAR_H.PET	-0.001831518	-0.052581657
## Entropy_area.H.PET	0.704407276	0.574163691
## Max_cooc.W.PET	0.252025822	0.175071991
## Average_cooc.W.PET	0.337051134	0.266877126
## Variance_cooc.W.PET	0.159023744	0.100604257
## Entropy_cooc.W.PET	0.600265789	0.548956246
## DAVE_cooc.W.PET	0.339696846	0.361091847
## DVAR_cooc.W.PET	0.155489872	0.160176798
## DENT_cooc.W.PET	0.580965771	0.566868897
## SAVE_cooc.W.PET	0.336494012	0.266450025
## SVAR_cooc.W.PET	0.157037156	0.069785729
## SENT_cooc.W.PET	0.626701761	0.589984489
## ASM_cooc.W.PET	0.283608483	0.177792796
## Contrast_cooc.W.PET	0.149635203	0.172014293
## Dissimilarity_cooc.W.PET	0.339696846	0.361091847
## Inv_diff_cooc.W.PET	0.572884678	0.447186793
## Inv_diff_norm_cooc.W.PET	0.727784476	0.630782827
## IDM_cooc.W.PET	0.480868521	0.347115111
## IDM_norm_cooc.W.PET	0.723288328	0.636399550
## Inv_var_cooc.W.PET	0.528873281	0.407144204
## Correlation_cooc.W.PET	0.553639031	0.314773783
## Autocorrelation_cooc.W.PET	0.137811064	0.041873137
## Tendency_cooc.W.PET	0.157037156	0.069785729
## Shade_cooc.W.PET	0.055191831	-0.009554061
## Prominence_cooc.W.PET	0.012709602	-0.057353141
## IC1_d.W.PET	-0.091273790	-0.094077881
## IC2_d.W.PET	0.608121511	0.547269011
## Coarseness_vdif.W.PET	0.229100394	0.330670815
## Contrast_vdif.W.PET	0.254076675	0.362968320
## Busyness_vdif.W.PET	0.323991464	0.055380954
## Complexity_vdif.W.PET	0.107478369	0.024499025
## Strength_vdif.W.PET	0.213959964	0.262912638
## SRE_align.W.PET	0.704392850	0.650625428
## LRE_align.W.PET	0.646534425	0.521055854
## GLNU_align.W.PET	0.371994981	0.125763861
## RLNU_align.W.PET	0.266966148	0.071390934
## RP_align.W.PET	0.697942499	0.650958960
## LGRE_align.W.PET	0.389355706	0.332410201
## HGRE_align.W.PET	0.130720576	0.047598943
## LGSRE_align.W.PET	0.412723378	0.368209824
## HGSRE_align.W.PET	0.126428650	0.046085679

## LGHRE_align.W.PET	0.282653682	0.186726666
## HGLRE_align.W.PET	0.147445879	0.054494072
## GLNU_norm_align.W.PET	0.390176834	0.301771351
## RLNU_norm_align.W.PET	0.676352013	0.649607778
## GLVAR_align.W.PET	0.153125961	0.084289122
## RLVAR_align.W.PET	0.313454469	0.154701780
## Entropy_align.W.PET	0.643783806	0.557746866
## SZSE.W.PET	0.678559411	0.622219711
## LZSE.W.PET	0.095405455	0.047301255
## LGLZE.W.PET	0.401555450	0.334045956
## HGLZE.W.PET	0.134900088	0.054632393
## SZLGE.W.PET	0.449835914	0.403070383
## SZHGE.W.PET	0.128309678	0.050078194
## LZLGE.W.PET	0.036389080	-0.032262448
## LZHGE.W.PET	0.137537295	0.105332193
## GLNU_area.W.PET	0.375304107	0.123090061
## ZSNU.W.PET	0.243288432	0.052899773
## ZSP.W.PET	0.618632808	0.591546630
## GLNU_norm.W.PET	0.392657014	0.304820137
## ZSNU_norm.W.PET	0.597052381	0.610457631
## GLVAR_area.W.PET	0.155636226	0.089364920
## ZSVAR.W.PET	0.039478172	-0.002411855
## Entropy_area.W.PET	0.684833063	0.572621528
## Min_hist.ADC	0.067748594	0.187755743
## Max_hist.ADC	0.810224927	0.518715085
## Mean_hist.ADC	0.624921403	0.791992650
## Variance_hist.ADC	0.640166053	0.224362580
## Standard_Deviation_hist.ADC	0.771381082	0.426386758
## Skewness_hist.ADC	0.237345636	-0.459430104
## Kurtosis_hist.ADC	-0.004895036	0.205301807
## Energy_hist.ADC	0.296453610	0.253692633
## Entropy_hist.ADC	0.783868947	0.589115028
## AUC_hist.ADC	0.750068793	0.529417532
## Volume.ADC	0.402796858	0.020483434
## X3D_surface.ADC	0.638459971	0.060606725
## ratio_3ds_vol.ADC	0.227023882	0.527016862
## ratio_3ds_vol_norm.ADC	0.733073423	0.601313930
## irregularity.ADC	0.608601180	0.621842283
## Compactness_v1.ADC	0.474081800	0.412347693
##	Tendency_cooc.L.ADC	Shade_.L.ADC
## Failure	0.210197242	0.2763409087
## Entropy_cooc.W.ADC	-0.070068893	-0.1291801303
## GLNU_align.H.PET	-0.141089079	-0.1095028097
## Min_hist.PET	0.236715308	0.0679732410
## Max_hist.PET	0.203016678	0.0736276655
## Mean_hist.PET	0.219866254	0.0866093928
## Variance_hist.PET	0.088461591	0.1003530290
## Standard_Deviation_hist.PET	0.206395754	0.1011410275
## Skewness_hist.PET	0.304705014	0.0286506364
## Kurtosis_hist.PET	0.082999475	-0.0346920349
## Energy_hist.PET	0.389187795	0.1804539510
## Entropy_hist.PET	0.474586562	0.1223309961
## AUC_hist.PET	0.553076671	0.1809901678
## H_suv.PET	0.225055935	0.1298931311

## Volume.PET	0.072811135	0.0785959913
## X3D_surface.PET	0.089975654	-0.0520391103
## ratio_3ds_vol.PET	0.422563953	0.1554669548
## ratio_3ds_vol_norm.PET	0.342622737	0.1251409760
## irregularity.PET	0.584938448	0.1858671904
## tumor_length.PET	0.289007538	0.0366245174
## Compactness_v1.PET	0.394286522	0.1869830536
## Compactness_v2.PET	0.034761688	-0.0166938858
## Spherical_disproportion.PET	0.342622737	0.1251409760
## Sphericity.PET	0.026607479	-0.0154469863
## Asphericity.PET	0.331094178	0.1218344903
## Center_of_mass.PET	0.228260980	0.0455247613
## Max_3D_diam.PET	0.153667142	0.0376165380
## Major_axis_length.PET	0.233506361	0.0758442388
## Minor_axis_length.PET	0.227429085	0.0354234794
## Least_axis_length.PET	0.158972881	0.0257437766
## Elongation.PET	0.393401019	0.0694352320
## Flatness.PET	0.333130408	0.0703202452
## Max_cooc.L.PET	0.390221516	0.1907989111
## Average_cooc.L.PET	0.527330900	0.2288845256
## Variance_cooc.L.PET	0.498395388	0.1966633567
## Entropy_cooc.L.PET	0.521505142	0.1748913022
## DAVE_cooc.L.PET	0.493851845	0.1611379159
## DVAR_cooc.L.PET	0.407369409	0.0975595795
## DENT_cooc.L.PET	0.556522625	0.1822652294
## SAVE_cooc.L.PET	0.527107560	0.2287568003
## SVAR_cooc.L.PET	0.521276049	0.2330508333
## SENT_cooc.L.PET	0.565261161	0.2087809051
## ASM_cooc.L.PET	0.366873772	0.1797075785
## Contrast_cooc.L.PET	0.394899777	0.1123618754
## Dissimilarity_cooc.L.PET	0.493851845	0.1611379159
## Inv_diff_cooc.L.PET	0.437345846	0.1273945604
## Inv_diff_norm_cooc.L.PET	0.537897652	0.1717180270
## IDM_cooc.L.PET	0.393678663	0.1090362013
## IDM_norm_cooc.L.PET	0.544917265	0.1757148152
## Inv_var_cooc.L.PET	0.396689602	0.1132331595
## Correlation_cooc.L.PET	0.375157898	0.1732252087
## Autocorrelation_cooc.L.PET	0.470549922	0.2419258236
## Tendency_cooc.L.PET	0.521276049	0.2330508333
## Shade_cooc.L.PET	0.273594885	0.1195347860
## Prominence_cooc.L.PET	0.453812180	0.2230920142
## IC1_.L.PET	-0.349235025	-0.1331443042
## IC2_.L.PET	0.591392821	0.2199486299
## Coarseness_vdif_.L.PET	0.449134457	0.2173883532
## Contrast_vdif_.L.PET	0.211047442	0.0079490110
## Busyness_vdif_.L.PET	0.064904067	-0.0234456884
## Complexity_vdif_.L.PET	0.441283157	0.1026081547
## Strength_vdif_.L.PET	0.331710117	0.1051511726
## SRE_align.L.PET	0.557383108	0.1809073457
## LRE_align.L.PET	0.529012934	0.1629086606
## GLNU_align.L.PET	0.032354307	-0.0397227129
## RLNU_align.L.PET	0.025291446	-0.0385623790
## RP_align.L.PET	0.558144921	0.1813983734
## LGRE_align.L.PET	0.396161466	0.0896372481

## HGRE_align.L.PET	0.454967459	0.2199116296
## LGSRE_align.L.PET	0.399937914	0.0931396250
## HGSRE_align.L.PET	0.455989691	0.2197512589
## LGHRE_align.L.PET	0.378072328	0.0747655608
## HGLRE_align.L.PET	0.448822283	0.2194887909
## GLNU_norm_align.L.PET	0.472848617	0.1706721320
## RLNU_norm_align.L.PET	0.560672485	0.1835842382
## GLVAR_align.L.PET	0.496246327	0.2009385896
## RLVAR_align.L.PET	0.372808703	0.1422088972
## Entropy_align.L.PET	0.529639773	0.1820465764
## SZSE.L.PET	0.567903343	0.1922757356
## LZSE.L.PET	0.287598814	0.0601609098
## LGLZE.L.PET	0.397243446	0.0897326855
## HGLZE.L.PET	0.457825718	0.2191507615
## SZLGE.L.PET	0.410602537	0.1017679740
## SZHGE.L.PET	0.468407699	0.2239884655
## LZLGE.L.PET	0.290465991	0.0309704932
## LZHGE.L.PET	0.316050956	0.1569362969
## GLNU_area.L.PET	0.039680663	-0.0368723449
## ZSNU.L.PET	0.034896637	-0.0343145135
## ZSP.L.PET	0.573592309	0.1939989453
## GLNU_norm.L.PET	0.472459603	0.1698730331
## ZSNU_norm.L.PET	0.575765801	0.1956489147
## GLVAR_area.L.PET	0.498095340	0.2054213633
## ZSVAR.L.PET	0.135200763	0.0128715894
## Entropy_area.L.PET	0.519873949	0.1770984330
## Max_cooc.H.PET	0.350056583	0.1439599741
## Average_cooc.H.PET	0.584680002	0.1898830917
## Variance_cooc.H.PET	0.394103496	0.1444596683
## Entropy_cooc.H.PET	0.411266785	0.1477375590
## DAVE_cooc.H.PET	0.434480810	0.1274464026
## DVAR_cooc.H.PET	0.451019017	0.1668090507
## DENT_cooc.H.PET	0.373107701	-0.0001915594
## SAVE_cooc.H.PET	0.591354280	0.1835794466
## SVAR_cooc.H.PET	0.440301452	0.1363964170
## SENT_cooc.H.PET	0.363433227	0.1251654261
## ASM_cooc.H.PET	0.359731722	0.1925321425
## Contrast_cooc.H.PET	0.383782959	0.1245404795
## Dissimilarity_cooc.H.PET	0.434480810	0.1274464026
## Inv_diff_cooc.H.PET	0.496884472	0.1943444338
## Inv_diff_norm_cooc.H.PET	0.561870843	0.1838868644
## IDM_cooc.H.PET	0.453731215	0.1826296804
## IDM_norm_cooc.H.PET	0.556391607	0.1791213322
## Inv_var_cooc_.H.PET	0.392465635	0.1794645899
## Correlation_cooc.H.PET	0.351221933	0.1539313050
## Autocorrelation_cooc.H.PET	0.593615852	0.2038993987
## Tendency_cooc.H.PET	0.364408137	0.1422836391
## Shade_cooc.H.PET	-0.214297660	-0.1073419733
## Prominence_cooc.H.PET	0.211395558	0.0897748368
## IC1_d.H.PET	-0.037880771	-0.0255368432
## IC2_d.H.PET	0.431594332	0.1756070856
## Coarseness_vdif.H.PET	0.374535629	0.1901331454
## Contrast_vdif.H.PET	0.343091512	0.1773340805
## Busyness_vdif.H.PET	-0.045117190	0.0331425750

## Complexity_vdif.H.PET	0.414795625	0.1345278323
## Strength_vdif.H.PET	0.117313389	0.1144816785
## SRE_align.H.PET	0.509405108	0.1545704722
## LRE_align.H.PET	0.462325530	0.1594576256
## RLNU_align.H.PET	0.039633815	-0.0270181954
## RP_align.H.PET	0.501711046	0.1508072409
## LGRE_align.H.PET	0.373736001	0.1954778725
## HGRE_align.H.PET	0.577025658	0.1934498754
## LGSRE_align.H.PET	0.372960189	0.1951495264
## HGSRE_align.H.PET	0.560493607	0.1663164700
## LGHRE_align.H.PET	0.378057715	0.1967266551
## HGLRE_align.H.PET	0.369899630	0.1541159041
## GLNU_norm_align.H.PET	0.462805449	0.1878938348
## RLNU_norm_align.H.PET	0.457275356	0.1312093711
## GLVAR_align.H.PET	0.369482764	0.1349086119
## RLVAR_align.H.PET	0.256555037	0.0962702965
## Entropy_align.H.PET	0.419224451	0.1413946774
## SZSE.H.PET	0.418807515	0.1076846337
## LZSE.H.PET	0.039421620	-0.0697984573
## LGLZE.H.PET	0.374786407	0.1980827770
## HGLZE.H.PET	0.545691051	0.0881312486
## SZLGE.H.PET	0.373372691	0.1972364686
## SZHGE.H.PET	0.441344436	0.0632104216
## LZLGE.H.PET	0.067572999	-0.0579381265
## LZHGE.H.PET	0.059772944	-0.0324883924
## GLNU_area.H.PET	0.036349325	-0.0379112307
## ZSNU.H.PET	0.056153862	-0.0112037050
## ZSP.H.PET	0.312541396	0.0920261260
## GLNU_norm.H.PET	0.463404140	0.2060187743
## ZSNU_norm.H.PET	0.322863862	0.0763895818
## GLVAR_area.H.PET	0.355804004	0.1311850502
## ZSVAR_H.PET	0.042904795	-0.0673573242
## Entropy_area.H.PET	0.460903569	0.1581164170
## Max_cooc.W.PET	0.364944665	0.1824026300
## Average_cooc.W.PET	0.208505164	0.1213979790
## Variance_cooc.W.PET	0.099673870	0.1007819537
## Entropy_cooc.W.PET	0.383625871	0.1162772179
## DAVE_cooc.W.PET	0.223417108	0.0924142670
## DVAR_cooc.W.PET	0.108679763	0.0911748169
## DENT_cooc.W.PET	0.385124583	0.1121902218
## SAVE_cooc.W.PET	0.207814614	0.1210536834
## SVAR_cooc.W.PET	0.091402466	0.1018381897
## SENT_cooc.W.PET	0.438161965	0.1493292987
## ASM_cooc.W.PET	0.398750208	0.2167796283
## Contrast_cooc.W.PET	0.111977047	0.0887876300
## Dissimilarity_cooc.W.PET	0.223417108	0.0924142670
## Inv_diff_cooc.W.PET	0.522025571	0.1905479741
## Inv_diff_norm_cooc.W.PET	0.539795423	0.1720859023
## IDM_cooc.W.PET	0.473661630	0.1862859879
## IDM_norm_cooc.W.PET	0.545186167	0.1749235429
## Inv_var_cooc.W.PET	0.498565932	0.1854679283
## Correlation_cooc.W.PET	0.372588948	0.1740824631
## Autocorrelation_cooc.W.PET	0.090773364	0.1216911725
## Tendency_cooc.W.PET	0.091402466	0.1018381897

## Shade_cooc.W.PET	0.013358301	0.0557090301
## Prominence_cooc.W.PET	-0.003438328	0.0689160784
## IC1_d.W.PET	-0.060794270	-0.0430516306
## IC2_d.W.PET	0.492799352	0.2063117942
## Coarseness_vdif.W.PET	0.439680817	0.1938449544
## Contrast_vdif.W.PET	0.266353634	0.1281125625
## Busyness_vdif.W.PET	0.199107142	0.0739928183
## Complexity_vdif.W.PET	0.045831705	0.0807376602
## Strength_vdif.W.PET	0.223087621	0.1252090055
## SRE_align.W.PET	0.535355699	0.1665065399
## LRE_align.W.PET	0.537043212	0.1905689874
## GLNU_align.W.PET	0.023256017	-0.0502573788
## RLNU_align.W.PET	0.032277845	-0.0328930082
## RP_align.W.PET	0.529905097	0.1635620409
## LGRE_align.W.PET	0.425504787	0.1344544567
## HGRE_align.W.PET	0.077316526	0.1113426378
## LGSRE_align.W.PET	0.439195231	0.1321529240
## HGSRE_align.W.PET	0.076406369	0.1113617863
## LGHRE_align.W.PET	0.350266969	0.1246559089
## HGLRE_align.W.PET	0.079703507	0.1108336496
## GLNU_norm_align.W.PET	0.470902476	0.1993826244
## RLNU_norm_align.W.PET	0.505928916	0.1509677826
## GLVAR_align.W.PET	0.086916594	0.0997304927
## RLVAR_align.W.PET	0.322798432	0.1440501238
## Entropy_align.W.PET	0.417932518	0.1364370712
## SZSE.W.PET	0.500243949	0.1417093036
## LZSE.W.PET	0.157557804	0.0412124884
## LGLZE.W.PET	0.423362262	0.1464334583
## HGLZE.W.PET	0.080037931	0.1113167615
## SZLGE.W.PET	0.442894098	0.1368223424
## SZHGE.W.PET	0.083106158	0.1122747023
## LZLGE.W.PET	0.126232588	0.0103702857
## LZHGE.W.PET	0.035962810	0.0839618318
## GLNU_area.W.PET	0.032508901	-0.0434581754
## ZSNU.W.PET	0.048312716	-0.0227728917
## ZSP.W.PET	0.440133783	0.1218340569
## GLNU_norm.W.PET	0.480020925	0.2065275568
## ZSNU_norm.W.PET	0.423970398	0.0995211819
## GLVAR_area.W.PET	0.086293234	0.1011341128
## ZSVAR.W.PET	0.104042984	0.0048124843
## Entropy_area.W.PET	0.452491993	0.1520708905
## Min_hist.ADC	0.505430779	0.3482354177
## Max_hist.ADC	0.418036803	0.0752948925
## Mean_hist.ADC	0.521715982	0.0123775514
## Variance_hist.ADC	0.472697591	0.0382964042
## Standard_Deviation_hist.ADC	0.564934562	0.0876941135
## Skewness_hist.ADC	0.112166768	0.6957343965
## Kurtosis_hist.ADC	-0.337281451	-0.0116755127
## Energy_hist.ADC	0.408767508	0.2352035043
## Entropy_hist.ADC	0.432152018	0.0528749352
## AUC_hist.ADC	0.510889651	0.2580683366
## Volume.ADC	0.053870899	0.0678458316
## X3D_surface.ADC	0.004179831	-0.0166569283
## ratio_3ds_vol.ADC	0.667397303	0.3431486193

## ratio_3ds_vol_norm.ADC	0.466203412	0.1247242820	
## irregularity.ADC	0.626746714	0.2716602930	
## Compactness_v1.ADC	0.505303054	0.2355988317	
##	Prominence_cooc.L.ADC	IC1_.L.ADC	IC2_.L.ADC
## Failure	0.2858048004	-0.2602666823	0.124423914
## Entropy_cooc.W.ADC	-0.1053649869	0.1990862266	-0.065364948
## GLNU_align.H.PET	-0.1615378986	0.1685978939	-0.087008417
## Min_hist.PET	0.0885920407	-0.0699734847	0.375959610
## Max_hist.PET	0.0510466010	-0.0694987674	0.388879602
## Mean_hist.PET	0.0778482356	-0.0640933476	0.369493912
## Variance_hist.PET	0.0261369392	0.0322619555	0.151603675
## Standard_Deviation_hist.PET	0.0786511274	-0.0658349383	0.383637796
## Skewness_hist.PET	0.1694704771	-0.2228252241	0.516356168
## Kurtosis_hist.PET	-0.0009387800	-0.0952684295	0.192234151
## Energy_hist.PET	0.3165318830	0.1119430526	0.489346485
## Entropy_hist.PET	0.2586823287	-0.3339209233	0.758276429
## AUC_hist.PET	0.3322505306	-0.3573638106	0.891870908
## H_suv.PET	0.0889280227	-0.0939635142	0.438969264
## Volume.PET	-0.0407106636	-0.2168342875	0.254487329
## X3D_surface.PET	0.0243351107	0.0386283893	0.147494679
## ratio_3ds_vol.PET	0.3243172795	-0.1231074708	0.571838711
## ratio_3ds_vol_norm.PET	0.2480641978	-0.0182483287	0.512483958
## irregularity.PET	0.3739144193	-0.3835866369	0.885415319
## tumor_length.PET	0.1534486660	-0.0902378607	0.486406921
## Compactness_v1.PET	0.2893616926	0.0539666349	0.561388369
## Compactness_v2.PET	-0.0388595763	-0.2232759417	0.175115325
## Spherical_disproportion.PET	0.2480641978	-0.0182483287	0.512483958
## Sphericity.PET	-0.0599350799	-0.3162539700	0.182110349
## Asphericity.PET	0.2420490723	-0.0058212256	0.492997150
## Center_of_mass.PET	0.1623645885	-0.1047099608	0.325338366
## Max_3D_diam.PET	0.0192324584	-0.2652790039	0.358685927
## Major_axis_length.PET	0.1013770972	-0.2249731196	0.402609015
## Minor_axis_length.PET	0.0557910967	-0.2177349250	0.519231815
## Least_axis_length.PET	0.0087398277	-0.2015478852	0.418654040
## Elongation.PET	0.1923912245	-0.2450743220	0.737514911
## Flatness.PET	0.1397756687	-0.2348922957	0.667469423
## Max_cooc.L.PET	0.3105204446	0.1180398856	0.502716138
## Average_cooc.L.PET	0.3799480640	-0.3830352019	0.750193770
## Variance_cooc.L.PET	0.3998293722	-0.3901637336	0.648186235
## Entropy_cooc.L.PET	0.3141587526	-0.3751533830	0.850417019
## DAVE_cooc.L.PET	0.3462031686	-0.3833872745	0.725457109
## DVAR_cooc.L.PET	0.2715208638	-0.3076708654	0.648206964
## DENT_cooc.L.PET	0.3512262565	-0.4036780092	0.874487729
## SAVE_cooc.L.PET	0.3797439672	-0.3833951199	0.749945329
## SVAR_cooc.L.PET	0.4337129814	-0.4008497573	0.650495185
## SENT_cooc.L.PET	0.3663844971	-0.3533761992	0.872014900
## ASM_cooc.L.PET	0.2957418309	0.1507689637	0.469722270
## Contrast_cooc.L.PET	0.2921388702	-0.3207575197	0.557182051
## Dissimilarity_cooc.L.PET	0.3462031686	-0.3833872745	0.725457109
## Inv_diff_cooc.L.PET	0.2291575381	-0.1948066921	0.745335815
## Inv_diff_norm_cooc.L.PET	0.3147793451	-0.3550052646	0.876972059
## IDM_cooc.L.PET	0.2010909946	-0.1203675222	0.674698338
## IDM_norm_cooc.L.PET	0.3230104125	-0.3645407808	0.882908284
## Inv_var_cooc.L.PET	0.2045771931	-0.1205494800	0.676691376

## Correlation_cooc.L.PET	0.2584829233	-0.1890854139	0.549486834
## Autocorrelation_cooc.L.PET	0.3840818967	-0.3539880506	0.596798820
## Tendency_cooc.L.PET	0.4337129814	-0.4008497573	0.650495185
## Shade_cooc.L.PET	0.2460780146	-0.1883707207	0.309784799
## Prominence_cooc.L.PET	0.4162178645	-0.3627501895	0.501075862
## IC1_.L.PET	-0.2904419013	0.4172534785	-0.392707725
## IC2_.L.PET	0.4229558601	-0.3532086988	0.834028283
## Coarseness_vdif_.L.PET	0.3752017732	0.0143992694	0.539431198
## Contrast_vdif_.L.PET	0.1504840482	-0.1793270360	0.296237403
## Busyness_vdif_.L.PET	-0.0452939669	-0.1550741103	0.256389013
## Complexity_vdif_.L.PET	0.2840773363	-0.2952891747	0.683440694
## Strength_vdif_.L.PET	0.2679532964	-0.2023003808	0.377372738
## SRE_align.L.PET	0.3379470413	-0.3764266974	0.891501173
## LRE_align.L.PET	0.3050123121	-0.3608076557	0.873574480
## GLNU_align.L.PET	-0.0612087462	-0.0780308874	0.185115465
## RLNU_align.L.PET	-0.0539395652	-0.0568531497	0.141390274
## RP_align.L.PET	0.3391669154	-0.3770886119	0.891717169
## LGRE_align.L.PET	0.2450133699	-0.1100981584	0.619170283
## HGRE_align.L.PET	0.3568623072	-0.3468287952	0.609736304
## LGSRE_align.L.PET	0.2486465228	-0.1078840304	0.623705674
## HGSRE_align.L.PET	0.3582634734	-0.3476225284	0.609842423
## LGHRE_align.L.PET	0.2281651207	-0.1164160558	0.597195515
## HGLRE_align.L.PET	0.3496313575	-0.3421278105	0.607109934
## GLNU_norm_align.L.PET	0.3229819095	-0.0449442260	0.682907175
## RLNU_norm_align.L.PET	0.3436637173	-0.3788551994	0.891890238
## GLVAR_align.L.PET	0.3924228162	-0.3897098268	0.663280979
## RLVAR_align.L.PET	0.2291108245	0.0284283956	0.593509566
## Entropy_align.L.PET	0.3213202346	-0.3779240732	0.857857211
## SZSE.L.PET	0.3554113229	-0.3743452898	0.881886448
## LZSE.L.PET	0.1199536694	-0.2208252078	0.577014554
## LGLZE.L.PET	0.2429944006	-0.1099105365	0.628599586
## HGLZE.L.PET	0.3579746040	-0.3457503992	0.615895586
## SZLGE.L.PET	0.2571399399	-0.1026875033	0.639406512
## SZHGE.L.PET	0.3700897295	-0.3443560175	0.617149251
## LZLGE.L.PET	0.1539482618	-0.1116646157	0.495414230
## LZHGE.L.PET	0.2313105053	-0.2671784230	0.476071634
## GLNU_area.L.PET	-0.0541424754	-0.0821627993	0.186671806
## ZSNU.L.PET	-0.0448911700	-0.0664564329	0.144853116
## ZSP.L.PET	0.3620866406	-0.3797456242	0.887365478
## GLNU_norm.L.PET	0.3229200858	-0.0404095427	0.681739324
## ZSNU_norm.L.PET	0.3675411269	-0.3805060233	0.888510302
## GLVAR_area.L.PET	0.3931035268	-0.3869925036	0.669691617
## ZSVAR.L.PET	0.0027758674	-0.0429522670	0.368436610
## Entropy_area.L.PET	0.3087219480	-0.3732818451	0.854591985
## Max_cooc.H.PET	0.3010918073	-0.1808229212	0.399026628
## Average_cooc.H.PET	0.3734806801	-0.4292953147	0.898022360
## Variance_cooc.H.PET	0.1996546103	-0.2623963365	0.703070761
## Entropy_cooc.H.PET	0.2288355255	-0.3397000999	0.710619173
## DAVE_cooc.H.PET	0.2273883734	-0.3263067884	0.763735934
## DVAR_cooc.H.PET	0.2528381473	-0.3337504682	0.762706780
## DENT_cooc.H.PET	0.1724171357	-0.2538516143	0.648109477
## SAVE_cooc.H.PET	0.3832794815	-0.4363577731	0.897029132
## SVAR_cooc.H.PET	0.2394532436	-0.2316437756	0.695345067
## SENT_cooc.H.PET	0.2266097863	-0.0023668244	0.558633183

## ASM_cooc.H.PET	0.3210792220	-0.1468936094	0.393326350
## Contrast_cooc.H.PET	0.1955791755	-0.2982791326	0.685630140
## Dissimilarity_cooc.H.PET	0.2273883734	-0.3263067884	0.763735934
## Inv_diff_cooc.H.PET	0.3686897351	-0.3142596249	0.681529154
## Inv_diff_norm_cooc.H.PET	0.3444624657	-0.3737200876	0.890886288
## IDM_cooc.H.PET	0.3503363358	-0.2868602060	0.600846801
## IDM_norm_cooc.H.PET	0.3369855558	-0.3730563130	0.889612420
## Inv_var_cooc_.H.PET	0.2864473822	0.1067486787	0.545335963
## Correlation_cooc.H.PET	0.2264871427	-0.1512135886	0.535266722
## Autocorrelation_cooc.H.PET	0.4011168844	-0.4372964644	0.870070161
## Tendency_cooc.H.PET	0.1839708513	-0.2195916992	0.649598978
## Shade_cooc.H.PET	-0.1231572841	0.0909012500	-0.312326603
## Prominence_cooc.H.PET	0.0698755579	-0.0846078087	0.421532658
## IC1_d.H.PET	-0.0332671392	0.2323082974	-0.047335980
## IC2_d.H.PET	0.2802163330	-0.2247992572	0.656072816
## Coarseness_vdif.H.PET	0.3078964180	0.1418915567	0.468214586
## Contrast_vdif.H.PET	0.2993949478	-0.3026565009	0.407248373
## Busyness_vdif.H.PET	-0.1143319797	-0.3309256695	0.128154716
## Complexity_vdif.H.PET	0.2839467843	-0.0704214714	0.600960487
## Strength_vdif.H.PET	0.1206004403	-0.1139902917	0.097669127
## SRE_align.H.PET	0.2882530727	-0.3317576160	0.847473437
## LRE_align.H.PET	0.3439935187	-0.3503520010	0.631110439
## RLNU_align.H.PET	-0.0384173383	-0.0445496013	0.140486027
## RP_align.H.PET	0.2814146034	-0.3230860931	0.835296106
## LGRE_align.H.PET	0.3001481102	0.1604342009	0.473590678
## HGRE_align.H.PET	0.3752420396	-0.4339358400	0.870533469
## LGSRE_align.H.PET	0.2999580050	0.1611743090	0.471956263
## HGSRE_align.H.PET	0.3383981537	-0.4142394794	0.887366438
## LGHRE_align.H.PET	0.3016502697	0.1554637002	0.482657970
## HGLRE_align.H.PET	0.3018346659	-0.2918338943	0.464537891
## GLNU_norm_align.H.PET	0.3700724679	-0.3030662910	0.584835444
## RLNU_norm_align.H.PET	0.2453659782	-0.2839764412	0.778563483
## GLVAR_align.H.PET	0.1800166226	-0.2383478066	0.666568824
## RLVAR_align.H.PET	0.2252525647	-0.1838102320	0.310142825
## Entropy_align.H.PET	0.2149701437	-0.2657537056	0.733245472
## SZSE.H.PET	0.2174127942	-0.2186236009	0.709917818
## LZSE.H.PET	0.0513318510	-0.0339028907	-0.034908980
## LGLZE.H.PET	0.3008313030	0.1611915409	0.473362050
## HGLZE.H.PET	0.3438497805	-0.3835265093	0.805947443
## SZLGE.H.PET	0.3008169588	0.1629083204	0.469609374
## SZHGE.H.PET	0.2374401101	-0.2697158058	0.719279236
## LZLGE.H.PET	0.0684558930	0.0008214876	0.023730714
## LZHGE.H.PET	0.0813149441	-0.0541939826	-0.010349503
## GLNU_area.H.PET	-0.0577254920	-0.1188746622	0.194691297
## ZSNU.H.PET	-0.0140035668	-0.0262879618	0.114666204
## ZSP.H.PET	0.1515633246	-0.1486201133	0.537458649
## GLNU_norm.H.PET	0.3783457948	-0.3142201169	0.592615555
## ZSNU_norm.H.PET	0.1453750071	-0.1284181418	0.569872240
## GLVAR_area.H.PET	0.1652315051	-0.2156876339	0.639347773
## ZSVAR_H.PET	0.0582273075	-0.0308855030	-0.026780042
## Entropy_area.H.PET	0.2488702180	-0.3206910171	0.800716843
## Max_cooc.W.PET	0.3088425182	-0.0787548599	0.430890045
## Average_cooc.W.PET	0.0813202757	-0.0691336778	0.370524788
## Variance_cooc.W.PET	0.0379761272	0.0251959584	0.158698786

## Entropy_cooc.W.PET	0.1830244312	-0.2449892916	0.691499843
## DAVE_cooc.W.PET	0.0878627889	-0.1076559621	0.412034061
## DVAR_cooc.W.PET	0.0306612645	-0.0092751518	0.193062385
## DENT_cooc.W.PET	0.1856748703	-0.2409659789	0.687963751
## SAVE_cooc.W.PET	0.0807356454	-0.0694846879	0.369674104
## SVAR_cooc.W.PET	0.0390155680	0.0408509643	0.137968288
## SENT_cooc.W.PET	0.2385247302	-0.2271323233	0.739743374
## ASM_cooc.W.PET	0.3444858687	-0.0105448108	0.463727514
## Contrast_cooc.W.PET	0.0314928234	-0.0182507132	0.198232359
## Dissimilarity_cooc.W.PET	0.0878627889	-0.1076559621	0.412034061
## Inv_diff_cooc.W.PET	0.3711515385	-0.3506446835	0.748096370
## Inv_diff_norm_cooc.W.PET	0.3167995787	-0.3563740606	0.878540080
## IDM_cooc.W.PET	0.3566922771	-0.3141396017	0.644730672
## IDM_norm_cooc.W.PET	0.3231465968	-0.3646013640	0.883420871
## Inv_var_cooc.W.PET	0.3670402382	-0.3275964140	0.699994686
## Correlation_cooc.W.PET	0.2560856588	-0.1853717504	0.546891672
## Autocorrelation_cooc.W.PET	0.0271752615	0.0377074743	0.138608122
## Tendency_cooc.W.PET	0.0390155680	0.0408509643	0.137968288
## Shade_cooc.W.PET	0.0104393721	0.0451527973	0.030021487
## Prominence_cooc.W.PET	-0.0005808498	0.0560965229	-0.002832156
## IC1_d.W.PET	-0.0542294673	0.2730221498	-0.063162275
## IC2_d.W.PET	0.3313141686	-0.2676244815	0.730752186
## Coarseness_vdif.W.PET	0.3635188568	-0.0304471894	0.527075932
## Contrast_vdif.W.PET	0.1610075461	-0.1007476044	0.399911457
## Busyness_vdif.W.PET	0.1558828354	-0.3280065067	0.270613656
## Complexity_vdif.W.PET	-0.0045327621	0.0362047324	0.100658931
## Strength_vdif.W.PET	0.1620503024	-0.0525397879	0.249621344
## SRE_align.W.PET	0.3132466417	-0.3559581596	0.874856573
## LRE_align.W.PET	0.3598835363	-0.3887280002	0.806655919
## GLNU_align.W.PET	-0.0714017420	-0.1434022146	0.201678852
## RLNU_align.W.PET	-0.0462171450	-0.0485115635	0.141480722
## RP_align.W.PET	0.3075872166	-0.3502764963	0.868909242
## LGRE_align.W.PET	0.3286989496	-0.2789472073	0.559075277
## HGRE_align.W.PET	0.0113823976	0.0358322948	0.136729493
## LGSRE_align.W.PET	0.3337799174	-0.2812031614	0.589910512
## HGSRE_align.W.PET	0.0114531214	0.0360535731	0.133943434
## LGHRE_align.W.PET	0.2919284586	-0.2492631567	0.408500683
## HGLRE_align.W.PET	0.0102571720	0.0354194621	0.147252660
## GLNU_norm_align.W.PET	0.3786340933	-0.2522618840	0.589656891
## RLNU_norm_align.W.PET	0.2861989696	-0.3287664375	0.842932860
## GLVAR_align.W.PET	0.0244813991	0.0318394846	0.151191873
## RLVAR_align.W.PET	0.2782031811	-0.1797331985	0.392818864
## Entropy_align.W.PET	0.2108659398	-0.2696895902	0.737227092
## SZSE.W.PET	0.2837075400	-0.3061640349	0.821076355
## LZSE.W.PET	0.1513869296	-0.1434431396	0.167742920
## LGLZE.W.PET	0.3270431146	-0.2641223120	0.571067069
## HGLZE.W.PET	0.0134164016	0.0324805629	0.141480957
## SZLGE.W.PET	0.3293136294	-0.2337162282	0.624799719
## SZHGE.W.PET	0.0186580424	0.0303658320	0.136429655
## LZLGE.W.PET	0.1280117453	-0.1071061953	0.060339094
## LZHGE.W.PET	-0.0161413154	0.0416352778	0.152745774
## GLNU_area.W.PET	-0.0646934355	-0.1372284688	0.206421719
## ZSNU.W.PET	-0.0269390040	-0.0398382075	0.132770947
## ZSP.W.PET	0.2346040327	-0.2574236941	0.740188839

## GLNU_norm.W.PET	0.3869873829	-0.2507475083	0.605176469
## ZSNU_norm.W.PET	0.2189245246	-0.2372330722	0.729817935
## GLVAR_area.W.PET	0.0235425013	0.0336382915	0.153486280
## ZSVAR.W.PET	0.1161091903	-0.0913330860	0.083800369
## Entropy_area.W.PET	0.2400046865	-0.3098360754	0.784018170
## Min_hist.ADC	0.5312801050	-0.4219327796	0.455658355
## Max_hist.ADC	0.1986386074	-0.3225066808	0.795633144
## Mean_hist.ADC	0.3199059929	-0.4219019418	0.837778797
## Variance_hist.ADC	0.3109597826	-0.1945924337	0.494907987
## Standard_Deviation_hist.ADC	0.3491299278	-0.3080117841	0.720703014
## Skewness_hist.ADC	0.1840000343	-0.1864547511	0.231004920
## Kurtosis_hist.ADC	-0.2431324047	0.1599336594	0.055047302
## Energy_hist.ADC	0.3523127809	0.0741876917	0.504555026
## Entropy_hist.ADC	0.1802997579	-0.2142385732	0.776891562
## AUC_hist.ADC	0.3025573450	-0.3615264998	0.870890501
## Volume.ADC	-0.0600180273	-0.2066364044	0.242278095
## X3D_surface.ADC	-0.1464060955	-0.0299205514	0.296813483
## ratio_3ds_vol.ADC	0.5812338167	-0.5826864561	0.778187062
## ratio_3ds_vol_norm.ADC	0.2289577126	-0.3559009846	0.825123897
## irregularity.ADC	0.4356711970	-0.4970194372	0.920277507
## Compactness_v1.ADC	0.3912011467	-0.0372034500	0.682575407
##	Coarseness_vdif_.L.ADC	Contrast_vdif_.L.ADC	
## Failure	0.1962885139	0.2974414313	
## Entropy_cooc.W.ADC	-0.1765156088	-0.2311498531	
## GLNU_align.H.PET	-0.0564416802	-0.1835264876	
## Min_hist.PET	0.0555176966	0.1009197284	
## Max_hist.PET	0.0432008145	0.0486241621	
## Mean_hist.PET	0.0467516684	0.0916110017	
## Variance_hist.PET	-0.0209946363	0.0001496312	
## Standard_Deviation_hist.PET	0.0778656484	0.0797888589	
## Skewness_hist.PET	0.2679645073	0.1515284680	
## Kurtosis_hist.PET	0.0824784501	-0.0436429713	
## Energy_hist.PET	0.8945542165	0.4281175315	
## Entropy_hist.PET	0.2340852732	0.2411490081	
## AUC_hist.PET	0.4765433845	0.3949364501	
## H_suv.PET	0.1867601483	0.1356019470	
## Volume.PET	-0.2108026442	-0.1043193877	
## X3D_surface.PET	0.0081031716	-0.0619002388	
## ratio_3ds_vol.PET	0.6453255388	0.4320033413	
## ratio_3ds_vol_norm.PET	0.5582505211	0.2818637199	
## irregularity.PET	0.4747964262	0.4374563535	
## tumor_length.PET	0.2212107932	0.1004676237	
## Compactness_v1.PET	0.8104050873	0.3842275110	
## Compactness_v2.PET	-0.2318928668	-0.0320973342	
## Spherical_disproportion.PET	0.5582505211	0.2818637199	
## Sphericity.PET	-0.3514073051	-0.0627141868	
## Asphericity.PET	0.5550799551	0.2744209999	
## Center_of_mass.PET	0.1046313662	0.0581148834	
## Max_3D_diam.PET	-0.1803469330	-0.0182468344	
## Major_axis_length.PET	-0.0551975240	0.0597716018	
## Minor_axis_length.PET	0.0596641635	0.0415194103	
## Least_axis_length.PET	-0.0517193500	-0.0290503455	
## Elongation.PET	0.4524114845	0.3083692131	
## Flatness.PET	0.3483020987	0.2280885607	

## Max_cooc.L.PET	0.8862058809	0.4012139887
## Average_cooc.L.PET	0.4265624708	0.4774677692
## Variance_cooc.L.PET	0.4412014382	0.4960552113
## Entropy_cooc.L.PET	0.3726074911	0.3664392428
## DAVE_cooc.L.PET	0.4489199961	0.4731855912
## DVAR_cooc.L.PET	0.4582206535	0.4074195706
## DENT_cooc.L.PET	0.4408344272	0.4330334082
## SAVE_cooc.L.PET	0.4256533269	0.4771950328
## SVAR_cooc.L.PET	0.4231925770	0.4911339864
## SENT_cooc.L.PET	0.5034267531	0.4401810301
## ASM_cooc.L.PET	0.8824889645	0.3851831682
## Contrast_cooc.L.PET	0.4101763581	0.4370212690
## Dissimilarity_cooc.L.PET	0.4489199961	0.4731855912
## Inv_diff_cooc.L.PET	0.4418125766	0.2532547622
## Inv_diff_norm_cooc.L.PET	0.4308506101	0.3690784902
## IDM_cooc.L.PET	0.4739205466	0.2230439972
## IDM_norm_cooc.L.PET	0.4360769100	0.3815247894
## Inv_var_cooc.L.PET	0.4676219923	0.2188383099
## Correlation_cooc.L.PET	0.2611562751	0.2031333968
## Autocorrelation_cooc.L.PET	0.3983432327	0.4766598822
## Tendency_cooc.L.PET	0.4231925770	0.4911339864
## Shade_cooc.L.PET	0.1703933988	0.1940973433
## Prominence_cooc.L.PET	0.3796986350	0.4555872926
## IC1_.L.PET	-0.1414300233	-0.3968105211
## IC2_.L.PET	0.5727915306	0.5251423518
## Coarseness_vdif_.L.PET	0.8833600027	0.5006174180
## Contrast_vdif_.L.PET	0.3108081934	0.3017247463
## Busyness_vdif_.L.PET	-0.1239895800	-0.1170522118
## Complexity_vdif_.L.PET	0.4798133892	0.4242739474
## Strength_vdif_.L.PET	0.3931387912	0.3631608829
## SRE_align.L.PET	0.4544501315	0.4056390499
## LRE_align.L.PET	0.4220773746	0.3666376714
## GLNU_align.L.PET	-0.1197828229	-0.1255740947
## RLNU_align.L.PET	-0.1628792543	-0.1223440430
## RP_align.L.PET	0.4558568475	0.4077536622
## LGRE_align.L.PET	0.5895705617	0.2921841464
## HGRE_align.L.PET	0.4058338715	0.4732698504
## LGSRE_align.L.PET	0.5997142590	0.2981221107
## HGSRE_align.L.PET	0.4081161352	0.4753520583
## LGHRE_align.L.PET	0.5474385450	0.2670406538
## HGLRE_align.L.PET	0.3949715911	0.4629412821
## GLNU_norm_align.L.PET	0.8031162275	0.4009006467
## RLNU_norm_align.L.PET	0.4612656507	0.4151244403
## GLVAR_align.L.PET	0.4388663091	0.4947985862
## RLVAR_align.L.PET	0.6834939899	0.2840442834
## Entropy_align.L.PET	0.3903140215	0.3821704565
## SZSE.L.PET	0.4589904910	0.4108902231
## LZSE.L.PET	0.2522373431	0.1948532780
## LGLZE.L.PET	0.5995285839	0.2970842097
## HGLZE.L.PET	0.4061292876	0.4717543601
## SZLGE.L.PET	0.6284134297	0.3158097273
## SZHGE.L.PET	0.4090345822	0.4708807375
## LZLGE.L.PET	0.4139321409	0.1789471239
## LZHGE.L.PET	0.3071316103	0.3681182082

## GLNU_area.L.PET	-0.1254220864	-0.1225827704
## ZSNU.L.PET	-0.1699389914	-0.1176295223
## ZSP.L.PET	0.4626047427	0.4205349006
## GLNU_norm.L.PET	0.8052697253	0.4007374575
## ZSNU_norm.L.PET	0.4707089401	0.4314946907
## GLVAR_area.L.PET	0.4436733842	0.4957658849
## ZSVAR.L.PET	0.2443903214	0.0562660314
## Entropy_area.L.PET	0.3816829339	0.3680757073
## Max_cooc.H.PET	0.4592674319	0.3388365914
## Average_cooc.H.PET	0.4546397781	0.4329742436
## Variance_cooc.H.PET	0.2822956074	0.2703006123
## Entropy_cooc.H.PET	0.2869273342	0.3240706449
## DAVE_cooc.H.PET	0.3456028551	0.3326778904
## DVAR_cooc.H.PET	0.3599938690	0.3480244730
## DENT_cooc.H.PET	0.1454838811	0.1738078225
## SAVE_cooc.H.PET	0.4293824784	0.4228183233
## SVAR_cooc.H.PET	0.2581829726	0.2362777904
## SENT_cooc.H.PET	0.5007335160	0.2750905627
## ASM_cooc.H.PET	0.5458221421	0.3719238591
## Contrast_cooc.H.PET	0.3240548517	0.3183891329
## Dissimilarity_cooc.H.PET	0.3456028551	0.3326778904
## Inv_diff_cooc.H.PET	0.4960768364	0.4004175390
## Inv_diff_norm_cooc.H.PET	0.4594322362	0.4028246119
## IDM_cooc.H.PET	0.4770310781	0.3795290961
## IDM_norm_cooc.H.PET	0.4505515857	0.3977786258
## Inv_var_cooc.H.PET	0.7577873232	0.3413500015
## Correlation_cooc.H.PET	0.2474652315	0.1815829944
## Autocorrelation_cooc.H.PET	0.4702521172	0.4497828966
## Tendency_cooc.H.PET	0.2343783031	0.2201127848
## Shade_cooc.H.PET	-0.1478007959	-0.1685766949
## Prominence_cooc.H.PET	0.0987501540	0.0962034394
## IC1_d.H.PET	0.2876312552	0.0196063762
## IC2_d.H.PET	0.3234876006	0.2708097305
## Coarseness_vdif.H.PET	0.8920667356	0.4047409111
## Contrast_vdif.H.PET	0.3686987419	0.3833849737
## Busyness_vdif.H.PET	-0.3713266791	-0.1645573206
## Complexity_vdif.H.PET	0.6299141252	0.3960536758
## Strength_vdif.H.PET	0.2111215564	0.1876374895
## SRE_align.H.PET	0.4122563765	0.3605037393
## LRE_align.H.PET	0.3643079623	0.3525168697
## RLNU_align.H.PET	-0.1527201188	-0.1075128963
## RP_align.H.PET	0.4066804988	0.3567497203
## LGRE_align.H.PET	0.8726167734	0.3856713715
## HGRE_align.H.PET	0.4620438917	0.4404351598
## LGSRE_align.H.PET	0.8729687875	0.3855626477
## HGSRE_align.H.PET	0.4414884063	0.4170726539
## LGHRE_align.H.PET	0.8714510001	0.3867673608
## HGLRE_align.H.PET	0.3098525214	0.3029584535
## GLNU_norm_align.H.PET	0.5164586452	0.4162903210
## RLNU_norm_align.H.PET	0.3715801656	0.3232705418
## GLVAR_align.H.PET	0.2514348392	0.2426745340
## RLVAR_align.H.PET	0.2472123916	0.2053932761
## Entropy_align.H.PET	0.2647728110	0.2491162903
## SZSE.H.PET	0.3069634705	0.2460127914

## LZSE.H.PET	-0.0403805074	0.0067233417
## LGLZE.H.PET	0.8704006757	0.3853512474
## HGLZE.H.PET	0.3564499194	0.3279783041
## SZLGE.H.PET	0.8712017865	0.3843304997
## SZHGE.H.PET	0.2819275213	0.2436752745
## LZLGE.H.PET	0.0720929595	0.0466821798
## LZHGE.H.PET	0.0203369379	0.0525875529
## GLNU_area.H.PET	-0.1676679725	-0.1329684074
## ZSNU.H.PET	-0.1523440879	-0.0832640343
## ZSP.H.PET	0.1976618695	0.1680782622
## GLNU_norm.H.PET	0.5299414816	0.4393698102
## ZSNU_norm.H.PET	0.2301811007	0.1724892232
## GLVAR_area.H.PET	0.2318581682	0.2187946252
## ZSVAR.H.PET	-0.0172286186	0.0182235994
## Entropy_area.H.PET	0.3171361796	0.2871415468
## Max_cooc.W.PET	0.6455078348	0.3886954138
## Average_cooc.W.PET	0.0587334799	0.0938547016
## Variance_cooc.W.PET	-0.0094166329	0.0059746690
## Entropy_cooc.W.PET	0.2349851816	0.2261725482
## DAVE_cooc.W.PET	0.1086022059	0.1249445587
## DVAR_cooc.W.PET	0.0052340163	0.0367342344
## DENT_cooc.W.PET	0.2528002288	0.2349259916
## SAVE_cooc.W.PET	0.0569361475	0.0930910884
## SVAR_cooc.W.PET	-0.0173677297	-0.0115758578
## SENT_cooc.W.PET	0.3542542661	0.2825485331
## ASM_cooc.W.PET	0.7861506110	0.4277103618
## Contrast_cooc.W.PET	0.0111312384	0.0509126542
## Dissimilarity_cooc.W.PET	0.1086022059	0.1249445587
## Inv_diff_cooc.W.PET	0.5123239704	0.4221861847
## Inv_diff_norm_cooc.W.PET	0.4341565292	0.3721845428
## IDM_cooc.W.PET	0.4900818644	0.3981644187
## IDM_norm_cooc.W.PET	0.4373479705	0.3824467592
## Inv_var_cooc.W.PET	0.5130012908	0.4126119690
## Correlation_cooc.W.PET	0.2562639727	0.1980317587
## Autocorrelation_cooc.W.PET	-0.0500096993	0.0071247679
## Tendency_cooc.W.PET	-0.0173677297	-0.0115758578
## Shade_cooc.W.PET	0.0079482344	-0.0371209689
## Prominence_cooc.W.PET	-0.0124247027	-0.0334937999
## IC1_d.W.PET	0.3322227729	0.0092666636
## IC2_d.W.PET	0.4032235635	0.3499435425
## Coarseness_vdif.W.PET	0.8422631805	0.5139000233
## Contrast_vdif.W.PET	0.2710657047	0.2351217557
## Busyness_vdif.W.PET	-0.0067825093	0.0997608397
## Complexity_vdif.W.PET	-0.0214442657	-0.0220065643
## Strength_vdif.W.PET	0.1660104542	0.0995440754
## SRE_align.W.PET	0.4333608219	0.3822223945
## LRE_align.W.PET	0.4385070411	0.4027384921
## GLNU_align.W.PET	-0.1519645796	-0.1375791439
## RLNU_align.W.PET	-0.1543481190	-0.1147376404
## RP_align.W.PET	0.4288627649	0.3781206536
## LGRE_align.W.PET	0.4839652370	0.3703506420
## HGRE_align.W.PET	-0.0554966355	0.0025701891
## LGSRE_align.W.PET	0.5084363317	0.3811911353
## HGSRE_align.W.PET	-0.0559434311	0.0027266908

## LGHRE_align.W.PET	0.3646313900	0.3061372487
## HGLRE_align.W.PET	-0.0537349114	0.0014120975
## GLNU_norm_align.W.PET	0.5996493348	0.4369523298
## RLNU_norm_align.W.PET	0.4093205479	0.3588655302
## GLVAR_align.W.PET	-0.0231457838	-0.0012172120
## RLVAR_align.W.PET	0.3820978570	0.2794964851
## Entropy_align.W.PET	0.2675191226	0.2525683393
## SZSE.W.PET	0.3905510320	0.3338046452
## LZSE.W.PET	0.1672695473	0.1720567249
## LGLZE.W.PET	0.4961253403	0.3661034257
## HGLZE.W.PET	-0.0536657983	0.0026336520
## SZLGE.W.PET	0.5477747134	0.3710636645
## SZHGE.W.PET	-0.0544176730	0.0037875886
## LZLGE.W.PET	0.0878397415	0.1165995191
## LZHGE.W.PET	0.0001909445	0.0132457065
## GLNU_area.W.PET	-0.1606634799	-0.1378947337
## ZSNU.W.PET	-0.1526082454	-0.0990705938
## ZSP.W.PET	0.3219576680	0.2756842020
## GLNU_norm.W.PET	0.6134450577	0.4495832562
## ZSNU_norm.W.PET	0.3239976299	0.2703002529
## GLVAR_area.W.PET	-0.0193543728	-0.0017264188
## ZSVAR.W.PET	0.1166666521	0.1187061105
## Entropy_area.W.PET	0.3050668261	0.2850427305
## Min_hist.ADC	0.4046252215	0.6166656905
## Max_hist.ADC	0.2586377053	0.1477375376
## Mean_hist.ADC	0.3762555110	0.3753607468
## Variance_hist.ADC	0.1446486059	0.0724371663
## Standard_Deviation_hist.ADC	0.2592012245	0.1951786652
## Skewness_hist.ADC	0.1743474040	0.1509348861
## Kurtosis_hist.ADC	0.0393921632	-0.1863022362
## Energy_hist.ADC	0.9287169479	0.4763648325
## Entropy_hist.ADC	0.2551974755	0.1484634677
## AUC_hist.ADC	0.4369190461	0.3526278947
## Volume.ADC	-0.2228370333	-0.1241360828
## X3D_surface.ADC	-0.1226576701	-0.2869886301
## ratio_3ds_vol.ADC	0.7419782056	0.8586050894
## ratio_3ds_vol_norm.ADC	0.3120827743	0.2654406371
## irregularity.ADC	0.5564197172	0.5833072209
## Compactness_v1.ADC	0.8757620079	0.4943979758
##	Busyness_vdif_.L.ADC	Complexity_vdif_.L.ADC
## Failure	-0.1616605938	0.049837758
## Entropy_cooc.W.ADC	0.2768219348	0.083520036
## GLNU_align.H.PET	0.1951711178	-0.125821339
## Min_hist.PET	0.3074370697	0.451136506
## Max_hist.PET	0.3776654995	0.426165845
## Mean_hist.PET	0.3436751575	0.445308328
## Variance_hist.PET	0.2686422126	0.252529355
## Standard_Deviation_hist.PET	0.3688282626	0.418950634
## Skewness_hist.PET	0.1780068374	0.372002617
## Kurtosis_hist.PET	0.0775064359	0.047749668
## Energy_hist.PET	0.1583334015	0.368733466
## Entropy_hist.PET	0.4436099951	0.681252004
## AUC_hist.PET	0.4004039896	0.743063589
## H_suv.PET	0.4036015633	0.393014867

## Volume.PET	0.3697997436	0.236822329
## X3D_surface.PET	0.2622694173	0.196178323
## ratio_3ds_vol.PET	0.0727391887	0.480640561
## ratio_3ds_vol_norm.PET	0.3293794683	0.459875449
## irregularity.PET	0.2934582734	0.749226438
## tumor_length.PET	0.4479690673	0.442110322
## Compactness_v1.PET	0.2755458091	0.424420716
## Compactness_v2.PET	0.1303552410	0.148529127
## Spherical_disproportion.PET	0.3293794683	0.459875449
## Sphericity.PET	0.1223076841	0.126920915
## Asphericity.PET	0.3229977018	0.443934181
## Center_of_mass.PET	0.3181155435	0.336339678
## Max_3D_diam.PET	0.3458273538	0.347411772
## Major_axis_length.PET	0.3812580371	0.440944509
## Minor_axis_length.PET	0.5090213908	0.427572194
## Least_axis_length.PET	0.4733174556	0.361730430
## Elongation.PET	0.3543061264	0.562075585
## Flatness.PET	0.3656871955	0.502445543
## Max_cooc.L.PET	0.1994794568	0.379663003
## Average_cooc.L.PET	0.2259373554	0.659329202
## Variance_cooc.L.PET	0.0461330520	0.532319716
## Entropy_cooc.L.PET	0.3975502248	0.730817521
## DAVE_cooc.L.PET	0.1271729462	0.576752728
## DVAR_cooc.L.PET	0.0523513369	0.458002834
## DENT_cooc.L.PET	0.3181099330	0.731906958
## SAVE_cooc.L.PET	0.2257786873	0.659175748
## SVAR_cooc.L.PET	0.0685392888	0.563950628
## SENT_cooc.L.PET	0.3468541265	0.750928399
## ASM_cooc.L.PET	0.2064017754	0.355620480
## Contrast_cooc.L.PET	0.0042784080	0.410367476
## Dissimilarity_cooc.L.PET	0.1271729462	0.576752728
## Inv_diff_cooc.L.PET	0.4395745728	0.621256395
## Inv_diff_norm_cooc.L.PET	0.4059848812	0.742020631
## IDM_cooc.L.PET	0.4208334339	0.549324183
## IDM_norm_cooc.L.PET	0.3964723555	0.746499090
## Inv_var_cooc.L.PET	0.4366317033	0.557522099
## Correlation_cooc.L.PET	0.3648499148	0.549368761
## Autocorrelation_cooc.L.PET	0.1097701034	0.534524799
## Tendency_cooc.L.PET	0.0685392888	0.563950628
## Shade_cooc.L.PET	0.0335825257	0.291757143
## Prominence_cooc.L.PET	-0.0356489188	0.439508172
## IC1_.L.PET	0.1715709823	-0.371425969
## IC2_.L.PET	0.2175802357	0.732978626
## Coarseness_vdif_.L.PET	0.0850955078	0.423512865
## Contrast_vdif_.L.PET	-0.1023728016	0.171662692
## Busyness_vdif_.L.PET	0.3448591007	0.167962825
## Complexity_vdif_.L.PET	0.1276500121	0.525258464
## Strength_vdif_.L.PET	-0.1711050822	0.304043376
## SRE_align.L.PET	0.3767784789	0.750184404
## LRE_align.L.PET	0.3973811875	0.731764276
## GLNU_align.L.PET	0.3023862484	0.153302469
## RLNU_align.L.PET	0.3243961394	0.173468731
## RP_align.L.PET	0.3743736077	0.750207879
## LGRE_align.L.PET	0.1985767433	0.448338423

## HGRE_align.L.PET	0.1295357307	0.531405332
## LGSRE_align.L.PET	0.2012945841	0.452803705
## HGSRE_align.L.PET	0.1255407459	0.530618728
## LGHRE_align.L.PET	0.1872303711	0.428422284
## HGLRE_align.L.PET	0.1457810813	0.532495219
## GLNU_norm_align.L.PET	0.2645430876	0.514708662
## RLNU_norm_align.L.PET	0.3663601149	0.749803464
## GLVAR_align.L.PET	0.0895578125	0.551097074
## RLVAR_align.L.PET	0.3728126920	0.468440765
## Entropy_align.L.PET	0.3958007891	0.739727775
## SZSE.L.PET	0.3716931675	0.750153963
## LZSE.L.PET	0.2876753712	0.446331084
## LGLZE.L.PET	0.2043048122	0.452669129
## HGLZE.L.PET	0.1295507992	0.536435283
## SZLGE.L.PET	0.2126358772	0.467953553
## SZHGE.L.PET	0.1264615661	0.540166447
## LZLGE.L.PET	0.1599119953	0.332157950
## LZHGE.L.PET	0.1276917771	0.406236346
## GLNU_area.L.PET	0.3089018629	0.163874857
## ZSNU.L.PET	0.3263959261	0.183660706
## ZSP.L.PET	0.3611414294	0.755002099
## GLNU_norm.L.PET	0.2679834837	0.515565994
## ZSNU_norm.L.PET	0.3467775024	0.751733075
## GLVAR_area.L.PET	0.0915699342	0.556177177
## ZSVAR.L.PET	0.3004126001	0.239985719
## Entropy_area.L.PET	0.4066424647	0.733940111
## Max_cooc.H.PET	-0.0271671086	0.286465669
## Average_cooc.H.PET	0.3094802181	0.742623985
## Variance_cooc.H.PET	0.4130962998	0.621768518
## Entropy_cooc.H.PET	0.3468955368	0.614564325
## DAVE_cooc.H.PET	0.3408591399	0.618772426
## DVAR_cooc.H.PET	0.3300316821	0.616837056
## DENT_cooc.H.PET	0.3871389489	0.593798316
## SAVE_cooc.H.PET	0.3469629302	0.751944734
## SVAR_cooc.H.PET	0.4657754301	0.676955189
## SENT_cooc.H.PET	0.3412057822	0.537103880
## ASM_cooc.H.PET	-0.0007119257	0.266584100
## Contrast_cooc.H.PET	0.3004333578	0.536823675
## Dissimilarity_cooc.H.PET	0.3408591399	0.618772426
## Inv_diff_cooc.H.PET	0.1743384157	0.548509927
## Inv_diff_norm_cooc.H.PET	0.3785540318	0.752695248
## IDM_cooc.H.PET	0.1178942707	0.472326605
## IDM_norm_cooc.H.PET	0.3817910230	0.751486554
## Inv_var_cooc_.H.PET	0.3244594979	0.482578535
## Correlation_cooc.H.PET	0.3724262069	0.553889845
## Autocorrelation_cooc.H.PET	0.2519442174	0.715957110
## Tendency_cooc.H.PET	0.4370106487	0.612042429
## Shade_cooc.H.PET	-0.1246000604	-0.322582917
## Prominence_cooc.H.PET	0.4134341012	0.451373247
## IC1_d.H.PET	-0.0527239572	-0.117500559
## IC2_d.H.PET	0.3931064216	0.638911354
## Coarseness_vdif.H.PET	0.1843695278	0.353369264
## Contrast_vdif.H.PET	-0.0841182954	0.311802751
## Busyness_vdif.H.PET	0.1948527831	-0.029714820

## Complexity_vdif.H.PET	0.1928659907	0.512590833
## Strength_vdif.H.PET	-0.0943603871	-0.005718644
## SRE_align.H.PET	0.3928763339	0.718117505
## LRE_align.H.PET	0.1737423280	0.506822029
## RLNU_align.H.PET	0.3302735393	0.195489607
## RP_align.H.PET	0.3885239281	0.709789739
## LGRE_align.H.PET	0.2312607899	0.380028115
## HGRE_align.H.PET	0.2750102189	0.708479351
## LGSRE_align.H.PET	0.2297257992	0.378190055
## HGSRE_align.H.PET	0.3110061462	0.727133724
## LGHRE_align.H.PET	0.2391459152	0.389357754
## HGLRE_align.H.PET	0.0899824698	0.360417272
## GLNU_norm_align.H.PET	0.0306069573	0.433189339
## RLNU_norm_align.H.PET	0.3822163382	0.664218918
## GLVAR_align.H.PET	0.4218784336	0.600176136
## RLVAR_align.H.PET	0.0696144739	0.235119576
## Entropy_align.H.PET	0.4646135088	0.667730727
## SZSE.H.PET	0.4076633757	0.637624345
## LZSE.H.PET	-0.0228794474	-0.027258096
## LGLZE.H.PET	0.2328216583	0.381369747
## HGLZE.H.PET	0.2904429179	0.669808457
## SZLGE.H.PET	0.2284185580	0.377019759
## SZHGE.H.PET	0.3064470860	0.625711568
## LZLGE.H.PET	0.0156181162	0.023746786
## LZHGE.H.PET	-0.0445960498	-0.030272822
## GLNU_area.H.PET	0.3186119991	0.158236038
## ZSNU.H.PET	0.3140455355	0.219874289
## ZSP.H.PET	0.3355788419	0.495976602
## GLNU_norm.H.PET	0.0260415063	0.444800292
## ZSNU_norm.H.PET	0.3732073480	0.533845941
## GLVAR_area.H.PET	0.4255836682	0.587351082
## ZSVAR_H.PET	-0.0306632400	-0.025185466
## Entropy_area.H.PET	0.4572068311	0.691021454
## Max_cooc.W.PET	0.0347617934	0.295740921
## Average_cooc.W.PET	0.3709129172	0.428651029
## Variance_cooc.W.PET	0.2467038571	0.248059633
## Entropy_cooc.W.PET	0.4363342902	0.626425894
## DAVE_cooc.W.PET	0.3083021244	0.403716097
## DVAR_cooc.W.PET	0.2257842496	0.246909161
## DENT_cooc.W.PET	0.4010389667	0.609822177
## SAVE_cooc.W.PET	0.3705736775	0.428034142
## SVAR_cooc.W.PET	0.2512087965	0.241027179
## SENT_cooc.W.PET	0.4284468135	0.669767847
## ASM_cooc.W.PET	0.0935059475	0.323025851
## Contrast_cooc.W.PET	0.2126167576	0.243881951
## Dissimilarity_cooc.W.PET	0.3083021244	0.403716097
## Inv_diff_cooc.W.PET	0.2041455542	0.595626126
## Inv_diff_norm_cooc.W.PET	0.4031665637	0.742724980
## IDM_cooc.W.PET	0.1362934868	0.504870455
## IDM_norm_cooc.W.PET	0.3953307812	0.746554874
## Inv_var_cooc.W.PET	0.1758776822	0.556049708
## Correlation_cooc.W.PET	0.3691268864	0.549104781
## Autocorrelation_cooc.W.PET	0.2934156782	0.279971570
## Tendency_cooc.W.PET	0.2512087965	0.241027179

## Shade_cooc.W.PET	0.0941116267	0.067513606
## Prominence_cooc.W.PET	0.0839117648	0.060458229
## IC1_d.W.PET	-0.0126612148	-0.138601930
## IC2_d.W.PET	0.3658241909	0.682494238
## Coarseness_vdif.W.PET	0.0383387798	0.404713859
## Contrast_vdif.W.PET	0.1503002455	0.347386451
## Busyness_vdif.W.PET	0.0755518623	0.160304346
## Complexity_vdif.W.PET	0.2207257159	0.171588684
## Strength_vdif.W.PET	-0.0301022079	0.216029504
## SRE_align.W.PET	0.3900883991	0.738822694
## LRE_align.W.PET	0.2907216423	0.663539458
## GLNU_align.W.PET	0.2856234706	0.115283618
## RLNU_align.W.PET	0.3264164521	0.184304637
## RP_align.W.PET	0.3900816425	0.734931388
## LGRE_align.W.PET	0.0244215703	0.405415567
## HGRE_align.W.PET	0.2997041739	0.273525290
## LGSRE_align.W.PET	0.0376118713	0.428380018
## HGSRE_align.W.PET	0.2944792501	0.270940954
## LGHRE_align.W.PET	-0.0187473390	0.292935583
## HGLRE_align.W.PET	0.3200268257	0.282230938
## GLNU_norm_align.W.PET	0.0454626684	0.432500740
## RLNU_norm_align.W.PET	0.3915329173	0.714701108
## GLVAR_align.W.PET	0.2689240475	0.252041171
## RLVAR_align.W.PET	0.0850177053	0.297584209
## Entropy_align.W.PET	0.4581845291	0.665357736
## SZSE.W.PET	0.4027243966	0.710818660
## LZSE.W.PET	-0.0394638492	0.094568664
## LGLZE.W.PET	0.0430751670	0.416696152
## HGLZE.W.PET	0.2916667511	0.274914131
## SZLGE.W.PET	0.0964181920	0.471362758
## SZHGE.W.PET	0.2721007996	0.270642683
## LZLGE.W.PET	-0.0714801130	0.021857730
## LZHGE.W.PET	0.3232323335	0.225043743
## GLNU_area.W.PET	0.3078205793	0.139668910
## ZSNU.W.PET	0.3209588530	0.205324052
## ZSP.W.PET	0.3942258653	0.649484660
## GLNU_norm.W.PET	0.0505294225	0.454762451
## ZSNU_norm.W.PET	0.3893678901	0.641572700
## GLVAR_area.W.PET	0.2664484362	0.251669108
## ZSVAR.W.PET	-0.0602284075	0.030682993
## Entropy_area.W.PET	0.4576569733	0.689228769
## Min_hist.ADC	-0.2600530062	0.447767106
## Max_hist.ADC	0.5866902229	0.604106930
## Mean_hist.ADC	0.2091216638	0.654792745
## Variance_hist.ADC	0.4882782297	0.469481630
## Standard_Deviation_hist.ADC	0.5206225856	0.637568401
## Skewness_hist.ADC	0.2566101692	0.120055387
## Kurtosis_hist.ADC	0.2393696348	-0.019990520
## Energy_hist.ADC	0.1706500917	0.371054073
## Entropy_hist.ADC	0.5257961741	0.697136895
## AUC_hist.ADC	0.4600332374	0.701143756
## Volume.ADC	0.3699209352	0.221136517
## X3D_surface.ADC	0.8686651786	0.217780011
## ratio_3ds_vol.ADC	-0.1569873732	0.583973025

## ratio_3ds_vol_norm.ADC	0.4375830065	0.675822178
## irregularity.ADC	0.2231288298	0.733179736
## Compactness_v1.ADC	0.2594538253	0.547430592
##	Strength_vdif_.L.ADC	SRE_align.L.ADC
## Failure	0.3472910001	0.009403187
## Entropy_cooc.W.ADC	-0.3101856642	0.017470704
## GLNU_align.H.PET	-0.2182998981	-0.050546406
## Min_hist.PET	-0.0426392645	0.529715880
## Max_hist.PET	-0.0919950974	0.540769568
## Mean_hist.PET	-0.0551491406	0.528483144
## Variance_hist.PET	-0.0956403513	0.260087935
## Standard_Deviation_hist.PET	-0.0525249910	0.533917436
## Skewness_hist.PET	0.1121451674	0.534562791
## Kurtosis_hist.PET	-0.0553301724	0.147625585
## Energy_hist.PET	0.3148326109	0.459540580
## Entropy_hist.PET	0.0851234645	0.866166520
## AUC_hist.PET	0.2518457446	0.994225404
## H_suv.PET	0.0044655958	0.558485225
## Volume.PET	-0.1689282528	0.312026332
## X3D_surface.PET	-0.1415374101	0.215890887
## ratio_3ds_vol.PET	0.3593055689	0.584762978
## ratio_3ds_vol_norm.PET	0.1845200725	0.585562337
## irregularity.PET	0.3048913934	0.971140806
## tumor_length.PET	-0.0224517498	0.594873532
## Compactness_v1.PET	0.2475817064	0.561157760
## Compactness_v2.PET	-0.0636459180	0.223954640
## Spherical_disproportion.PET	0.1845200725	0.585562337
## Sphericity.PET	-0.0802580704	0.221855975
## Asphericity.PET	0.1798337920	0.563722683
## Center_of_mass.PET	-0.0145733498	0.364768688
## Max_3D_diam.PET	-0.0990028752	0.450558137
## Major_axis_length.PET	-0.0516209618	0.497940655
## Minor_axis_length.PET	-0.0732481044	0.646398428
## Least_axis_length.PET	-0.1143761193	0.544161869
## Elongation.PET	0.1952219320	0.856626054
## Flatness.PET	0.1419790808	0.791576127
## Max_cooc.L.PET	0.2842541350	0.482411303
## Average_cooc.L.PET	0.3621041075	0.817581088
## Variance_cooc.L.PET	0.4478818195	0.657246284
## Entropy_cooc.L.PET	0.2283204866	0.977634644
## DAVE_cooc.L.PET	0.3873251873	0.765125511
## DVAR_cooc.L.PET	0.3392235054	0.676107721
## DENT_cooc.L.PET	0.3034631035	0.971566589
## SAVE_cooc.L.PET	0.3619295326	0.817380039
## SVAR_cooc.L.PET	0.4491358473	0.665221016
## SENT_cooc.L.PET	0.3073139404	0.977594800
## ASM_cooc.L.PET	0.2659112685	0.453064149
## Contrast_cooc.L.PET	0.3855578403	0.556030022
## Dissimilarity_cooc.L.PET	0.3873251873	0.765125511
## Inv_diff_cooc.L.PET	0.1073217125	0.849554320
## Inv_diff_norm_cooc.L.PET	0.2236362507	0.992199519
## IDM_cooc.L.PET	0.0823357274	0.761006164
## IDM_norm_cooc.L.PET	0.2372537347	0.996359191
## Inv_var_cooc.L.PET	0.0761498830	0.764679768

## Correlation_cooc.L.PET	0.1170399921	0.654771668
## Autocorrelation_cooc.L.PET	0.3965335919	0.614307436
## Tendency_cooc.L.PET	0.4491358473	0.665221016
## Shade_cooc.L.PET	0.2117743180	0.328089758
## Prominence_cooc.L.PET	0.4584563278	0.473631231
## IC1_.L.PET	-0.4035038438	-0.371711419
## IC2_.L.PET	0.4102147388	0.908862949
## Coarseness_vdif_.L.PET	0.3963646111	0.497362371
## Contrast_vdif_.L.PET	0.2876213729	0.244613058
## Busyness_vdif_.L.PET	-0.1754603753	0.299782875
## Complexity_vdif_.L.PET	0.3359130032	0.723930208
## Strength_vdif_.L.PET	0.3538745369	0.313130203
## SRE_align.L.PET	0.2633737864	0.998826576
## LRE_align.L.PET	0.2248980847	0.989711906
## GLNU_align.L.PET	-0.1830197682	0.246405480
## RLNU_align.L.PET	-0.1880449973	0.221645899
## RP_align.L.PET	0.2658060059	0.998741916
## LGRE_align.L.PET	0.2001165574	0.634574874
## HGRE_align.L.PET	0.3860015616	0.635538658
## LGSRE_align.L.PET	0.2044314699	0.639600761
## HGSRE_align.L.PET	0.3886134631	0.634140379
## LGHRE_align.L.PET	0.1814918016	0.611200480
## HGLRE_align.L.PET	0.3739300121	0.639298714
## GLNU_norm_align.L.PET	0.2696508890	0.687381992
## RLNU_norm_align.L.PET	0.2742643513	0.997672199
## GLVAR_align.L.PET	0.4335578149	0.683155983
## RLVAR_align.L.PET	0.1448290985	0.645357729
## Entropy_align.L.PET	0.2423966497	0.982936483
## SZSE.L.PET	0.2676969858	0.977135197
## LZSE.L.PET	0.1083999206	0.688946980
## LGLZE.L.PET	0.2014076224	0.646217327
## HGLZE.L.PET	0.3839346481	0.645072389
## SZLGE.L.PET	0.2135404093	0.656110572
## SZHGE.L.PET	0.3822838137	0.640186276
## LZLGE.L.PET	0.1190410640	0.510299828
## LZHGE.L.PET	0.3021030217	0.527164507
## GLNU_area.L.PET	-0.1831766037	0.247960156
## ZSNU.L.PET	-0.1860304350	0.222878844
## ZSP.L.PET	0.2782736950	0.984110160
## GLNU_norm.L.PET	0.2679962844	0.687670247
## ZSNU_norm.L.PET	0.2921681644	0.986790598
## GLVAR_area.L.PET	0.4326213091	0.694050426
## ZSVAR.L.PET	-0.0125555590	0.443742869
## Entropy_area.L.PET	0.2284414458	0.982750307
## Max_cooc.H.PET	0.3333777266	0.320945746
## Average_cooc.H.PET	0.3136679604	0.975237486
## Variance_cooc.H.PET	0.1154080675	0.853645679
## Entropy_cooc.H.PET	0.1988424027	0.833640582
## DAVE_cooc.H.PET	0.1853279680	0.878153900
## DVAR_cooc.H.PET	0.1980139073	0.855110607
## DENT_cooc.H.PET	0.0135087988	0.767885342
## SAVE_cooc.H.PET	0.2928170117	0.980340274
## SVAR_cooc.H.PET	0.0623785356	0.841055263
## SENT_cooc.H.PET	0.1294357821	0.695600265

## ASM_cooc.H.PET	0.3653648610	0.307201960
## Contrast_cooc.H.PET	0.1767367535	0.784384793
## Dissimilarity_cooc.H.PET	0.1853279680	0.878153900
## Inv_diff_cooc.H.PET	0.3407348092	0.680665388
## Inv_diff_norm_cooc.H.PET	0.2648883153	0.995360106
## IDM_cooc.H.PET	0.3390609817	0.577450370
## IDM_norm_cooc.H.PET	0.2576565079	0.997839673
## Inv_var_cooc_.H.PET	0.1906311623	0.600776608
## Correlation_cooc.H.PET	0.0856435055	0.661913902
## Autocorrelation_cooc.H.PET	0.3518716068	0.919668137
## Tendency_cooc.H.PET	0.0719268476	0.814713854
## Shade_cooc.H.PET	-0.0620024513	-0.416553805
## Prominence_cooc.H.PET	-0.0425679211	0.597747319
## IC1_d.H.PET	-0.0185762929	-0.107426658
## IC2_d.H.PET	0.1512584659	0.779679382
## Coarseness_vdif.H.PET	0.2912004631	0.447494453
## Contrast_vdif.H.PET	0.3676356635	0.303244566
## Busyness_vdif.H.PET	-0.1370996087	0.106253910
## Complexity_vdif.H.PET	0.2662072772	0.670705945
## Strength_vdif.H.PET	0.2512109651	0.031022995
## SRE_align.H.PET	0.2085575000	0.971754069
## LRE_align.H.PET	0.2960190361	0.642013205
## RLNU_align.H.PET	-0.1855929804	0.221560583
## RP_align.H.PET	0.2032907798	0.960126508
## LGRE_align.H.PET	0.2541378195	0.470119498
## HGRE_align.H.PET	0.3383707977	0.924504463
## LGSRE_align.H.PET	0.2544303922	0.467731248
## HGSRE_align.H.PET	0.2942725571	0.968118650
## LGHRE_align.H.PET	0.2537518533	0.482922130
## HGLRE_align.H.PET	0.2881440137	0.443087409
## GLNU_norm_align.H.PET	0.3951140361	0.523521341
## RLNU_norm_align.H.PET	0.1678141904	0.909468049
## GLVAR_align.H.PET	0.0858281799	0.819683969
## RLVAR_align.H.PET	0.2023545054	0.287226338
## Entropy_align.H.PET	0.0928399209	0.896137917
## SZSE.H.PET	0.0860391997	0.853601350
## LZSE.H.PET	0.0113081500	-0.058534478
## LGLZE.H.PET	0.2523640521	0.470807939
## HGLZE.H.PET	0.2215104682	0.869064705
## SZLGE.H.PET	0.2526216878	0.464520586
## SZHGE.H.PET	0.1140259498	0.831647332
## LZLGE.H.PET	0.0316648813	0.006552284
## LZHGE.H.PET	0.0700340022	-0.048442055
## GLNU_area.H.PET	-0.1877833092	0.256066836
## ZSNU.H.PET	-0.1742703698	0.193813355
## ZSP.H.PET	0.0268026622	0.670238612
## GLNU_norm.H.PET	0.4151639651	0.536317534
## ZSNU_norm.H.PET	0.0199502737	0.723106510
## GLVAR_area.H.PET	0.0619112475	0.798633836
## ZSVAR_H.PET	0.0222502822	-0.055175040
## Entropy_area.H.PET	0.1407772604	0.942995572
## Max_cooc.W.PET	0.3571562764	0.360870770
## Average_cooc.W.PET	-0.0497178435	0.523374365
## Variance_cooc.W.PET	-0.0851985246	0.260367585

## Entropy_cooc.W.PET	0.0715253012	0.853426838
## DAVE_cooc.W.PET	-0.0057160001	0.550238884
## DVAR_cooc.W.PET	-0.0637712584	0.294642199
## DENT_cooc.W.PET	0.0827900953	0.839027002
## SAVE_cooc.W.PET	-0.0502696264	0.522589681
## SVAR_cooc.W.PET	-0.0951756868	0.234513561
## SENT_cooc.W.PET	0.1262319171	0.894530664
## ASM_cooc.W.PET	0.3705002583	0.397625820
## Contrast_cooc.W.PET	-0.0517979702	0.304256100
## Dissimilarity_cooc.W.PET	-0.0057160001	0.550238884
## Inv_diff_cooc.W.PET	0.3486864079	0.759257207
## Inv_diff_norm_cooc.W.PET	0.2272321672	0.992674863
## IDM_cooc.W.PET	0.3491478045	0.627184292
## IDM_norm_cooc.W.PET	0.2381608690	0.996559464
## Inv_var_cooc.W.PET	0.3472676174	0.696391392
## Correlation_cooc.W.PET	0.1106690396	0.653994764
## Autocorrelation_cooc.W.PET	-0.1062685590	0.257367523
## Tendency_cooc.W.PET	-0.0951756868	0.234513561
## Shade_cooc.W.PET	-0.0457122265	0.043978171
## Prominence_cooc.W.PET	-0.0467821329	0.012527930
## IC1_d.W.PET	-0.0276189917	-0.126197562
## IC2_d.W.PET	0.2210443567	0.848751547
## Coarseness_vdif.W.PET	0.4197384052	0.468082965
## Contrast_vdif.W.PET	0.1303418912	0.490075772
## Busyness_vdif.W.PET	0.1376055580	0.228512137
## Complexity_vdif.W.PET	-0.0940713559	0.168470570
## Strength_vdif.W.PET	0.0529696527	0.257742854
## SRE_align.W.PET	0.2340558032	0.992089199
## LRE_align.W.PET	0.3055788169	0.869096724
## GLNU_align.W.PET	-0.1651313402	0.251436510
## RLNU_align.W.PET	-0.1866436906	0.222072875
## RP_align.W.PET	0.2286850705	0.987831113
## LGRE_align.W.PET	0.3543390427	0.505619380
## HGRE_align.W.PET	-0.1089403035	0.259768615
## LGSRE_align.W.PET	0.3572055449	0.541721514
## HGSRE_align.W.PET	-0.1078382602	0.255614141
## LGHRE_align.W.PET	0.3179406774	0.341431276
## HGLRE_align.W.PET	-0.1133910681	0.276172483
## GLNU_norm_align.W.PET	0.4056898135	0.525867437
## RLNU_norm_align.W.PET	0.2066476725	0.968485398
## GLVAR_align.W.PET	-0.0967048369	0.259824324
## RLVAR_align.W.PET	0.2615459081	0.364681577
## Entropy_align.W.PET	0.0958440996	0.898602514
## SZSE.W.PET	0.1747832004	0.941065984
## LZSE.W.PET	0.1919890550	0.132128659
## LGLZE.W.PET	0.3432728936	0.529521620
## HGLZE.W.PET	-0.1069841087	0.263354764
## SZLGE.W.PET	0.3194465668	0.603170146
## SZHGE.W.PET	-0.1034195588	0.251712428
## LZLGE.W.PET	0.1498822100	0.002837454
## LZHGE.W.PET	-0.0757735167	0.297105927
## GLNU_area.W.PET	-0.1791959415	0.260641024
## ZSNU.W.PET	-0.1819296833	0.211099144
## ZSP.W.PET	0.1180603885	0.870338946

## GLNU_norm.W.PET	0.4074832213	0.546156941	
## ZSNU_norm.W.PET	0.1093649883	0.866306043	
## GLVAR_area.W.PET	-0.0968257930	0.263609890	
## ZSVAR.W.PET	0.1408756719	0.042869962	
## Entropy_area.W.PET	0.1355810092	0.935983498	
## Min_hist.ADC	0.5806126305	0.352925593	
## Max_hist.ADC	0.0220653326	0.866439190	
## Mean_hist.ADC	0.2494714829	0.866079749	
## Variance_hist.ADC	-0.0915366949	0.443229445	
## Standard_Deviation_hist.ADC	0.0232848801	0.720250782	
## Skewness_hist.ADC	0.2176603445	0.224341264	
## Kurtosis_hist.ADC	-0.0769925714	0.250746083	
## Energy_hist.ADC	0.3676813186	0.468755550	
## Entropy_hist.ADC	-0.0149025209	0.941767249	
## AUC_hist.ADC	0.2234495602	0.971666923	
## Volume.ADC	-0.1849069276	0.298869321	
## X3D_surface.ADC	-0.3699186989	0.395867266	
## ratio_3ds_vol.ADC	0.7893706500	0.680979686	
## ratio_3ds_vol_norm.ADC	0.1236134723	0.933052654	
## irregularity.ADC	0.4591327571	0.967850580	
## Compactness_v1.ADC	0.3623297127	0.702717186	
##	LRE_align.L.ADC	GLNU_align.L.ADC	RLNU_align.L.ADC
## Failure	-0.027275808	-0.1603096079	-1.692904e-01
## Entropy_cooc.W.ADC	0.061400557	0.2385017178	2.677813e-01
## GLNU_align.H.PET	-0.005442710	0.1437312088	1.677641e-01
## Min_hist.PET	0.524175591	0.2737955800	2.763215e-01
## Max_hist.PET	0.560595279	0.3384451867	3.119736e-01
## Mean_hist.PET	0.531932423	0.3045018004	2.870002e-01
## Variance_hist.PET	0.275238350	0.2363297865	1.765652e-01
## Standard_Deviation_hist.PET	0.552190866	0.3325669854	2.900913e-01
## Skewness_hist.PET	0.535943930	0.1801063112	2.211622e-01
## Kurtosis_hist.PET	0.171067069	0.0699766964	1.031405e-01
## Energy_hist.PET	0.404887665	0.0526624755	7.846619e-02
## Entropy_hist.PET	0.874105163	0.3728283916	4.169498e-01
## AUC_hist.PET	0.980228707	0.3448461162	3.632886e-01
## H_suv.PET	0.578695255	0.3635780881	3.134492e-01
## Volume.PET	0.381030523	0.3391934018	3.488783e-01
## X3D_surface.PET	0.249352263	0.2224609006	2.482306e-01
## ratio_3ds_vol.PET	0.527731176	0.0402754180	4.650194e-02
## ratio_3ds_vol_norm.PET	0.578674315	0.2777609045	2.583960e-01
## irregularity.PET	0.937948118	0.2467989434	2.668258e-01
## tumor_length.PET	0.627424603	0.3860614289	3.901042e-01
## Compactness_v1.PET	0.530235915	0.1711317027	1.920338e-01
## Compactness_v2.PET	0.252248319	0.1673853847	1.508103e-01
## Spherical_disproportion.PET	0.578674315	0.2777609045	2.583960e-01
## Sphericity.PET	0.254952282	0.1635796615	1.484856e-01
## Asphericity.PET	0.557167199	0.2719599299	2.518175e-01
## Center_of_mass.PET	0.397031468	0.3024159362	3.000528e-01
## Max_3D_diam.PET	0.493042672	0.3387299853	3.238945e-01
## Major_axis_length.PET	0.527638559	0.3529093293	3.435532e-01
## Minor_axis_length.PET	0.700894953	0.4712738572	4.639649e-01
## Least_axis_length.PET	0.602653498	0.4475563397	4.316587e-01
## Elongation.PET	0.850120797	0.3059693594	3.278310e-01
## Flatness.PET	0.792612852	0.3234720714	3.367353e-01

## Max_cooc.L.PET	0.437790738	0.0880518376	1.154073e-01
## Average_cooc.L.PET	0.775632628	0.1855407032	1.813303e-01
## Variance_cooc.L.PET	0.596052631	0.0386523795	4.316968e-02
## Entropy_cooc.L.PET	0.969469230	0.3537364749	3.628761e-01
## DAVE_cooc.L.PET	0.715482099	0.1051023041	1.137871e-01
## DVAR_cooc.L.PET	0.639083347	0.0474909882	4.679022e-02
## DENT_cooc.L.PET	0.945663025	0.2786644358	2.908291e-01
## SAVE_cooc.L.PET	0.775466163	0.1855044349	1.812600e-01
## SVAR_cooc.L.PET	0.606736585	0.0630482509	6.663315e-02
## SENT_cooc.L.PET	0.949722624	0.2943933117	3.070098e-01
## ASM_cooc.L.PET	0.410793114	0.0937319805	1.206400e-01
## Contrast_cooc.L.PET	0.498778742	-0.0053206413	6.164358e-05
## Dissimilarity_cooc.L.PET	0.715482099	0.1051023041	1.137871e-01
## Inv_diff_cooc.L.PET	0.855581890	0.3651028973	3.827105e-01
## Inv_diff_norm_cooc.L.PET	0.982009742	0.3511192395	3.660316e-01
## IDM_cooc.L.PET	0.768362767	0.3387025700	3.576422e-01
## IDM_norm_cooc.L.PET	0.983753493	0.3430661999	3.578075e-01
## Inv_var_cooc.L.PET	0.776243542	0.3560377742	3.754530e-01
## Correlation_cooc.L.PET	0.659233064	0.3206820301	3.251523e-01
## Autocorrelation_cooc.L.PET	0.562848978	0.0795319290	7.171765e-02
## Tendency_cooc.L.PET	0.606736585	0.0630482509	6.663315e-02
## Shade_cooc.L.PET	0.300824390	0.0675055786	8.603188e-02
## Prominence_cooc.L.PET	0.411795704	-0.0197535925	-1.126610e-02
## IC1_.L.PET	-0.291446776	0.1437121937	1.519528e-01
## IC2_.L.PET	0.850475265	0.1690494686	1.807256e-01
## Coarseness_vdif_.L.PET	0.424835608	-0.0102018429	1.469901e-02
## Contrast_vdif_.L.PET	0.185726748	-0.1037245843	-1.038400e-01
## Busyness_vdif_.L.PET	0.369210112	0.3352943629	3.360066e-01
## Complexity_vdif_.L.PET	0.677634836	0.1019573232	1.146792e-01
## Strength_vdif_.L.PET	0.235060989	-0.1770736192	-1.616964e-01
## SRE_align.L.PET	0.981251409	0.3250468070	3.399871e-01
## LRE_align.L.PET	0.978935832	0.3442773691	3.569473e-01
## GLNU_align.L.PET	0.308841863	0.2862049251	2.801917e-01
## RLNU_align.L.PET	0.277811847	0.3060100039	2.972180e-01
## RP_align.L.PET	0.980553552	0.3229406716	3.380165e-01
## LGRE_align.L.PET	0.611963516	0.1387209691	1.766279e-01
## HGRE_align.L.PET	0.584486071	0.0981490140	8.968938e-02
## LGSRE_align.L.PET	0.616236777	0.1405004771	1.783298e-01
## HGSRE_align.L.PET	0.582532926	0.0945568146	8.659477e-02
## LGHRE_align.L.PET	0.591666563	0.1310645107	1.690940e-01
## HGLRE_align.L.PET	0.590705125	0.1129069863	1.022323e-01
## GLNU_norm_align.L.PET	0.652609191	0.1660659699	2.010023e-01
## RLNU_norm_align.L.PET	0.977514242	0.3156360384	3.309915e-01
## GLVAR_align.L.PET	0.627703270	0.0762784647	7.741738e-02
## RLVAR_align.L.PET	0.637356827	0.2648397420	2.804763e-01
## Entropy_align.L.PET	0.971484944	0.3493565150	3.564178e-01
## SZSE.L.PET	0.959537415	0.3189906606	3.359000e-01
## LZSE.L.PET	0.687068109	0.2513306835	2.479807e-01
## LGLZE.L.PET	0.624171345	0.1430512279	1.802787e-01
## HGLZE.L.PET	0.594203429	0.0993676281	9.088422e-02
## SZLGE.L.PET	0.632201057	0.1478439346	1.857812e-01
## SZHGE.L.PET	0.590187404	0.0964602713	9.057646e-02
## LZLGE.L.PET	0.500345139	0.1117656747	1.474092e-01
## LZHGE.L.PET	0.485083885	0.1016029173	7.973995e-02

## GLNU_area.L.PET	0.309944497	0.2919528298	2.879381e-01
## ZSNU.L.PET	0.278107481	0.3084056958	3.028108e-01
## ZSP.L.PET	0.962986785	0.3102463046	3.289477e-01
## GLNU_norm.L.PET	0.652974484	0.1683167081	2.033039e-01
## ZSNU_norm.L.PET	0.960536168	0.2966417466	3.157569e-01
## GLVAR_area.L.PET	0.638755701	0.0774504506	7.780315e-02
## ZSVAR.L.PET	0.466154370	0.2429713212	2.221095e-01
## Entropy_area.L.PET	0.975253334	0.3597482319	3.652797e-01
## Max_cooc.H.PET	0.269125260	-0.0663519220	-2.795482e-02
## Average_cooc.H.PET	0.949093211	0.2640424756	2.874125e-01
## Variance_cooc.H.PET	0.856504532	0.3652672523	3.521783e-01
## Entropy_cooc.H.PET	0.832440221	0.3275163832	3.017225e-01
## DAVE_cooc.H.PET	0.869446450	0.3012408005	3.047700e-01
## DVAR_cooc.H.PET	0.842109867	0.2821134723	2.810097e-01
## DENT_cooc.H.PET	0.780147992	0.3363403122	3.792182e-01
## SAVE_cooc.H.PET	0.959929691	0.3005916353	3.268199e-01
## SVAR_cooc.H.PET	0.841285217	0.3988554277	4.343393e-01
## SENT_cooc.H.PET	0.681208979	0.2756830676	2.747640e-01
## ASM_cooc.H.PET	0.252520002	-0.0555219150	-2.132955e-02
## Contrast_cooc.H.PET	0.773295405	0.2602504490	2.595354e-01
## Dissimilarity_cooc.H.PET	0.869446450	0.3012408005	3.047700e-01
## Inv_diff_cooc.H.PET	0.641234646	0.1216686688	1.581527e-01
## Inv_diff_norm_cooc.H.PET	0.977692479	0.3250669162	3.413709e-01
## IDM_cooc.H.PET	0.535402681	0.0691844056	1.087780e-01
## IDM_norm_cooc.H.PET	0.981486789	0.3295450531	3.449699e-01
## Inv_var_cooc.H.PET	0.575053761	0.2292625904	2.353937e-01
## Correlation_cooc.H.PET	0.667796969	0.3248002418	3.227614e-01
## Autocorrelation_cooc.H.PET	0.886019807	0.2079456251	2.361982e-01
## Tendency_cooc.H.PET	0.824858269	0.3893424236	3.707350e-01
## Shade_cooc.H.PET	-0.405437432	-0.0715346069	-6.899447e-02
## Prominence_cooc.H.PET	0.619423427	0.3675544494	3.358830e-01
## IC1_d.H.PET	-0.109463616	-0.0818924930	-7.360961e-02
## IC2_d.H.PET	0.773627231	0.3440058109	3.396436e-01
## Coarseness_vdif.H.PET	0.399904230	0.0741184092	9.919769e-02
## Contrast_vdif.H.PET	0.244949447	-0.1078051395	-1.003165e-01
## Busyness_vdif.H.PET	0.174194704	0.2440213121	2.174890e-01
## Complexity_vdif.H.PET	0.625897671	0.1268029559	1.488026e-01
## Strength_vdif.H.PET	-0.002862656	-0.0966863474	-9.817704e-02
## SRE_align.H.PET	0.961684013	0.3442037519	3.508888e-01
## LRE_align.H.PET	0.613493910	0.1285732943	1.637768e-01
## RLNU_align.H.PET	0.275422287	0.3070430841	2.949293e-01
## RP_align.H.PET	0.949480332	0.3404968952	3.454311e-01
## LGRE_align.H.PET	0.428342951	0.1142287138	1.359613e-01
## HGRE_align.H.PET	0.891759029	0.2295316679	2.581061e-01
## LGSRE_align.H.PET	0.425856147	0.1128207779	1.346323e-01
## HGSRE_align.H.PET	0.941413420	0.2685480469	2.912266e-01
## LGHRE_align.H.PET	0.441566344	0.1213757742	1.432065e-01
## HGLRE_align.H.PET	0.412705803	0.0605473814	9.081568e-02
## GLNU_norm_align.H.PET	0.470144429	-0.0112118363	3.357150e-02
## RLNU_norm_align.H.PET	0.902391274	0.3373752756	3.366810e-01
## GLVAR_align.H.PET	0.826720777	0.3737605361	3.596614e-01
## RLVAR_align.H.PET	0.267678299	0.0422457484	7.704972e-02
## Entropy_align.H.PET	0.906136735	0.4159189360	4.058975e-01
## SZSE.H.PET	0.858099883	0.3620924785	3.611431e-01

## LZSE.H.PET	-0.062639589	-0.0247648391	-5.100973e-03
## LGLZE.H.PET	0.428948387	0.1150111465	1.361877e-01
## HGLZE.H.PET	0.851572197	0.2487204913	2.989598e-01
## SZLGE.H.PET	0.422443357	0.1108793731	1.328315e-01
## SZHGE.H.PET	0.822855023	0.2840965806	3.043789e-01
## LZLGE.H.PET	-0.002400407	-0.0003646886	2.154184e-02
## LZHGE.H.PET	-0.056927334	-0.0429881181	-3.106658e-02
## GLNU_area.H.PET	0.322426853	0.3110715690	3.077599e-01
## ZSNU.H.PET	0.237047076	0.2842786416	2.744663e-01
## ZSP.H.PET	0.677522469	0.3041410088	2.941599e-01
## GLNU_norm.H.PET	0.483393335	-0.0146436763	2.031784e-02
## ZSNU_norm.H.PET	0.727829786	0.3314007788	3.231690e-01
## GLVAR_area.H.PET	0.805132706	0.3743460791	3.658173e-01
## ZSVAR.H.PET	-0.059960293	-0.0312105880	-1.490762e-02
## Entropy_area.H.PET	0.950895636	0.4086826889	4.095400e-01
## Max_cooc.W.PET	0.305847195	-0.0296134533	4.372846e-03
## Average_cooc.W.PET	0.538424324	0.3248752743	2.783289e-01
## Variance_cooc.W.PET	0.272536819	0.2184188338	1.633020e-01
## Entropy_cooc.W.PET	0.864668767	0.3953290762	3.818973e-01
## DAVE_cooc.W.PET	0.557453100	0.2754000122	2.441795e-01
## DVAR_cooc.W.PET	0.300427657	0.1965807678	1.488215e-01
## DENT_cooc.W.PET	0.845644005	0.3630474076	3.518644e-01
## SAVE_cooc.W.PET	0.537729538	0.3247579101	2.781475e-01
## SVAR_cooc.W.PET	0.250021963	0.2251428947	1.675471e-01
## SENT_cooc.W.PET	0.894213684	0.3765718813	3.694682e-01
## ASM_cooc.W.PET	0.341114117	0.0040704445	3.627106e-02
## Contrast_cooc.W.PET	0.306648605	0.1811899587	1.374532e-01
## Dissimilarity_cooc.W.PET	0.557453100	0.2754000122	2.441795e-01
## Inv_diff_cooc.W.PET	0.721722016	0.1520619415	1.909868e-01
## Inv_diff_norm_cooc.W.PET	0.981729074	0.3482785632	3.632527e-01
## IDM_cooc.W.PET	0.585350869	0.0868551680	1.282198e-01
## IDM_norm_cooc.W.PET	0.983691649	0.3419638823	3.566438e-01
## Inv_var_cooc.W.PET	0.658208401	0.1244160547	1.649279e-01
## Correlation_cooc.W.PET	0.659484386	0.3250099307	3.293582e-01
## Autocorrelation_cooc.W.PET	0.271966302	0.2500134754	1.838699e-01
## Tendency_cooc.W.PET	0.250021963	0.2251428947	1.675471e-01
## Shade_cooc.W.PET	0.055952322	0.0965933764	5.726502e-02
## Prominence_cooc.W.PET	0.021563994	0.0752437490	3.130691e-02
## IC1_d.W.PET	-0.122058410	-0.0540191729	-3.802885e-02
## IC2_d.W.PET	0.828966456	0.3132436620	3.104336e-01
## Coarseness_vdif.W.PET	0.387765730	-0.0467049858	-2.554053e-02
## Contrast_vdif.W.PET	0.462160613	0.1146215428	1.001739e-01
## Busyness_vdif.W.PET	0.237897730	0.0856770217	1.110063e-01
## Complexity_vdif.W.PET	0.185621997	0.1919967839	1.261551e-01
## Strength_vdif.W.PET	0.231530480	-0.0430818376	-4.475532e-02
## SRE_align.W.PET	0.979143445	0.3395688559	3.502467e-01
## LRE_align.W.PET	0.843147624	0.2418516235	2.692837e-01
## GLNU_align.W.PET	0.314142260	0.2825839472	2.890244e-01
## RLNU_align.W.PET	0.277391484	0.3055052826	2.945207e-01
## RP_align.W.PET	0.975118497	0.3399589253	3.495388e-01
## LGRE_align.W.PET	0.458227439	-0.0086011733	4.137893e-02
## HGRE_align.W.PET	0.275477796	0.2577413802	1.905527e-01
## LGSRE_align.W.PET	0.494700619	0.0037280403	5.360228e-02
## HGSRE_align.W.PET	0.270772543	0.2530354933	1.862241e-01

## LGHRE_align.W.PET	0.297413879	-0.0462420606	8.851937e-04
## HGLRE_align.W.PET	0.294119029	0.2759766261	2.072093e-01
## GLNU_norm_align.W.PET	0.469345413	-0.0077684536	3.668123e-02
## RLNU_norm_align.W.PET	0.958646385	0.3436714785	3.492829e-01
## GLVAR_align.W.PET	0.275335261	0.2371758537	1.771656e-01
## RLVAR_align.W.PET	0.335409630	0.0423518846	7.719080e-02
## Entropy_align.W.PET	0.907989150	0.4106531175	4.006007e-01
## SZSE.W.PET	0.936287411	0.3538845160	3.604541e-01
## LZSE.W.PET	0.110984554	-0.0448870678	-3.367695e-02
## LGLZE.W.PET	0.486362416	0.0075938811	5.503150e-02
## HGLZE.W.PET	0.278561647	0.2515204985	1.853042e-01
## SZLGE.W.PET	0.566471998	0.0555362156	1.018376e-01
## SZHGE.W.PET	0.264830442	0.2334573648	1.701311e-01
## LZLGE.W.PET	-0.019391799	-0.0780222186	-5.729785e-02
## LZHGE.W.PET	0.320794753	0.2886936542	2.036522e-01
## GLNU_area.W.PET	0.326337128	0.3030459198	3.059848e-01
## ZSNU.W.PET	0.261380287	0.2962025230	2.875907e-01
## ZSP.W.PET	0.869357908	0.3503771338	3.526823e-01
## GLNU_norm.W.PET	0.488059916	-0.0049467401	3.729459e-02
## ZSNU_norm.W.PET	0.864970667	0.3467335395	3.458963e-01
## GLVAR_area.W.PET	0.279493478	0.2348377302	1.744175e-01
## ZSVAR.W.PET	0.029164526	-0.0598855957	-5.261498e-02
## Entropy_area.W.PET	0.943147468	0.4079967284	4.038411e-01
## Min_hist.ADC	0.273365870	-0.2606172344	-2.953401e-01
## Max_hist.ADC	0.915300057	0.5301600094	5.387470e-01
## Mean_hist.ADC	0.859568307	0.2154223664	2.289850e-01
## Variance_hist.ADC	0.458996577	0.3615685339	4.757334e-01
## Standard_Deviation_hist.ADC	0.725889987	0.4045243094	4.929777e-01
## Skewness_hist.ADC	0.247016809	0.2148111389	1.232138e-01
## Kurtosis_hist.ADC	0.358961250	0.3437894805	1.697212e-01
## Energy_hist.ADC	0.414631867	0.0616658190	8.341938e-02
## Entropy_hist.ADC	0.962416410	0.4640436162	4.984255e-01
## AUC_hist.ADC	0.975358690	0.4052118673	3.966790e-01
## Volume.ADC	0.371459631	0.3446730433	3.546331e-01
## X3D_surface.ADC	0.529937124	0.8285303066	8.324667e-01
## ratio_3ds_vol.ADC	0.549820282	-0.1951821805	-1.873003e-01
## ratio_3ds_vol_norm.ADC	0.942570653	0.3899481270	4.138581e-01
## irregularity.ADC	0.916341580	0.1678076203	1.705796e-01
## Compactness_v1.ADC	0.654112050	0.1567800842	1.744153e-01
##	RP_align.L.ADC	LGRE_align.L.ADC	HGRE_align.L.ADC
## Failure	0.012176659	0.0570465979	-0.057347079
## Entropy_cooc.W.ADC	0.014163577	0.0026002422	-0.034347083
## GLNU_align.H.PET	-0.053808778	0.0800972801	-0.112783821
## Min_hist.PET	0.529066112	0.0966102487	0.381204747
## Max_hist.PET	0.538216573	0.1140433613	0.348345214
## Mean_hist.PET	0.527163087	0.0933397007	0.348121629
## Variance_hist.PET	0.258421308	0.0272008062	0.107490831
## Standard_Deviation_hist.PET	0.531473660	0.1314487949	0.340269509
## Skewness_hist.PET	0.533486741	0.2990316210	0.460550055
## Kurtosis_hist.PET	0.145814864	0.1326860307	0.109393163
## Energy_hist.PET	0.462675968	0.9465854569	0.316392176
## Entropy_hist.PET	0.863746412	0.3175502248	0.590840668
## AUC_hist.PET	0.993196965	0.5099653300	0.693818943
## H_suv.PET	0.555892802	0.2098445747	0.370792172

## Volume.PET	0.306213003	-0.1140817784	0.052199508
## X3D_surface.PET	0.212865572	0.1472646123	0.115853083
## ratio_3ds_vol.PET	0.587844234	0.6134435284	0.512603593
## ratio_3ds_vol_norm.PET	0.584897008	0.6297554833	0.400058738
## irregularity.PET	0.971591231	0.4773975728	0.723382227
## tumor_length.PET	0.591193222	0.3598508767	0.359763212
## Compactness_v1.PET	0.562301408	0.8895630047	0.324268374
## Compactness_v2.PET	0.221346676	-0.2373964476	0.096395836
## Spherical_disproportion.PET	0.584897008	0.6297554833	0.400058738
## Sphericity.PET	0.218895888	-0.3773903763	0.103311335
## Asphericity.PET	0.563079115	0.6272873100	0.384311154
## Center_of_mass.PET	0.361495180	0.2070915137	0.216818000
## Max_3D_diam.PET	0.446424881	-0.1184934806	0.219408414
## Major_axis_length.PET	0.494652892	0.0217549340	0.234376628
## Minor_axis_length.PET	0.641014496	0.1714233444	0.369683945
## Least_axis_length.PET	0.538656632	0.0533766307	0.277210545
## Elongation.PET	0.855390040	0.4840914494	0.657823300
## Flatness.PET	0.789876952	0.3815696857	0.566144195
## Max_cooc.L.PET	0.484758830	0.9598422015	0.303171823
## Average_cooc.L.PET	0.818942551	0.3719121031	0.554339922
## Variance_cooc.L.PET	0.660404939	0.3290456491	0.522308981
## Entropy_cooc.L.PET	0.976182529	0.3915266669	0.668052729
## DAVE_cooc.L.PET	0.767224025	0.3582270999	0.610934250
## DVAR_cooc.L.PET	0.677529625	0.3668665752	0.579990736
## DENT_cooc.L.PET	0.971458811	0.4236590470	0.707477372
## SAVE_cooc.L.PET	0.818739293	0.3708811447	0.554239996
## SVAR_cooc.L.PET	0.668135193	0.3255685749	0.489952768
## SENT_cooc.L.PET	0.977615727	0.5083744662	0.697821700
## ASM_cooc.L.PET	0.455295964	0.9625012443	0.281826068
## Contrast_cooc.L.PET	0.559151339	0.2900040382	0.503350404
## Dissimilarity_cooc.L.PET	0.767224025	0.3582270999	0.610934250
## Inv_diff_cooc.L.PET	0.847350812	0.5512809357	0.563121133
## Inv_diff_norm_cooc.L.PET	0.990884990	0.4706516853	0.690142988
## IDM_cooc.L.PET	0.758898427	0.6005221288	0.498075422
## IDM_norm_cooc.L.PET	0.995214091	0.4682270297	0.696035456
## Inv_var_cooc.L.PET	0.762258751	0.5990145816	0.498585220
## Correlation_cooc.L.PET	0.652977587	0.3622630908	0.364883888
## Autocorrelation_cooc.L.PET	0.616786654	0.3135355142	0.391336369
## Tendency_cooc.L.PET	0.668135193	0.3255685749	0.489952768
## Shade_cooc.L.PET	0.329485575	0.1322895564	0.308350144
## Prominence_cooc.L.PET	0.477235592	0.2579326801	0.391897537
## IC1_.L.PET	-0.376834890	0.0052798528	-0.392812626
## IC2_.L.PET	0.911268554	0.5469093676	0.692227262
## Coarseness_vdif_.L.PET	0.501727950	0.8964714371	0.356870885
## Contrast_vdif_.L.PET	0.248501537	0.1997172905	0.330145472
## Busyness_vdif_.L.PET	0.293983585	-0.0159937360	0.144585297
## Complexity_vdif_.L.PET	0.725903364	0.4044698368	0.632009640
## Strength_vdif_.L.PET	0.318315812	0.2945253809	0.363729865
## SRE_align.L.PET	0.998048194	0.4734376372	0.705963828
## LRE_align.L.PET	0.988442286	0.4570374112	0.696848504
## GLNU_align.L.PET	0.241221443	0.0001441920	0.109767847
## RLNU_align.L.PET	0.216938972	-0.0466379141	0.083712461
## RP_align.L.PET	0.998009205	0.4733613963	0.707032280
## LGRE_align.L.PET	0.634993572	0.6449406781	0.507024100

## HGRE_align.L.PET	0.637955883	0.3219838185	0.415370616
## LGSRE_align.L.PET	0.640064586	0.6546487969	0.509594636
## HGSRE_align.L.PET	0.636603096	0.3231094441	0.415694097
## LGHRE_align.L.PET	0.611440145	0.6047060074	0.493226764
## HGLRE_align.L.PET	0.641520321	0.3162397778	0.413138994
## GLNU_norm_align.L.PET	0.688605697	0.8763316474	0.486218404
## RLNU_norm_align.L.PET	0.997088286	0.4740951607	0.709230672
## GLVAR_align.L.PET	0.685821781	0.3357897044	0.515886346
## RLVAR_align.L.PET	0.644619481	0.8136201489	0.396187019
## Entropy_align.L.PET	0.981711777	0.4082444645	0.672173470
## SZSE.L.PET	0.976406746	0.4794906773	0.675913963
## LZSE.L.PET	0.687645581	0.2830710616	0.522445510
## LGLZE.L.PET	0.646569868	0.6565987464	0.515840024
## HGLZE.L.PET	0.647458583	0.3232278016	0.425941035
## SZLGE.L.PET	0.656575754	0.6868681886	0.514772600
## SZHGE.L.PET	0.642528280	0.3303640904	0.417886259
## LZLGE.L.PET	0.510042402	0.4736503877	0.424037641
## LZHGE.L.PET	0.529127575	0.2308959329	0.364337565
## GLNU_area.L.PET	0.242801321	-0.0046081879	0.107106239
## ZSNU.L.PET	0.218235722	-0.0560624163	0.079993121
## ZSP.L.PET	0.983623818	0.4764615312	0.688340532
## GLNU_norm.L.PET	0.688886408	0.8803284170	0.484871669
## ZSNU_norm.L.PET	0.986672665	0.4764005016	0.698805281
## GLVAR_area.L.PET	0.696681316	0.3432170569	0.522344820
## ZSVAR.L.PET	0.441199925	0.3375403226	0.296499490
## Entropy_area.L.PET	0.981236963	0.4057069586	0.670292047
## Max_cooc.H.PET	0.324128069	0.4499824909	0.191740608
## Average_cooc.H.PET	0.975137251	0.4561243387	0.694357046
## Variance_cooc.H.PET	0.851641322	0.3126988961	0.588161840
## Entropy_cooc.H.PET	0.832043800	0.2597722056	0.606312089
## DAVE_cooc.H.PET	0.877007737	0.3321396258	0.661434421
## DVAR_cooc.H.PET	0.854329506	0.3478184666	0.606188998
## DENT_cooc.H.PET	0.765362110	0.2271657438	0.565708144
## SAVE_cooc.H.PET	0.979791641	0.4422261717	0.710311712
## SVAR_cooc.H.PET	0.839204151	0.3525764915	0.560558673
## SENT_cooc.H.PET	0.695264926	0.5615239248	0.533458581
## ASM_cooc.H.PET	0.310626845	0.5354695617	0.142901726
## Contrast_cooc.H.PET	0.783630510	0.2929737512	0.592834022
## Dissimilarity_cooc.H.PET	0.877007737	0.3321396258	0.661434421
## Inv_diff_cooc.H.PET	0.682132509	0.5158194328	0.427140466
## Inv_diff_norm_cooc.H.PET	0.994587840	0.4871745480	0.694504655
## IDM_cooc.H.PET	0.579324093	0.4904787798	0.352847996
## IDM_norm_cooc.H.PET	0.996966928	0.4767061928	0.701111776
## Inv_var_cooc.H.PET	0.601477960	0.8530164059	0.398122354
## Correlation_cooc.H.PET	0.659984738	0.3570545137	0.370852700
## Autocorrelation_cooc.H.PET	0.920230600	0.4638318648	0.646836766
## Tendency_cooc.H.PET	0.812212989	0.2952651335	0.533041505
## Shade_cooc.H.PET	-0.416401708	-0.1603179369	-0.318885581
## Prominence_cooc.H.PET	0.594844118	0.1727255057	0.371513690
## IC1_d.H.PET	-0.106927125	0.2878579512	-0.045686047
## IC2_d.H.PET	0.778426629	0.4022913264	0.508557841
## Coarseness_vdif.H.PET	0.450134503	0.9577735484	0.286407885
## Contrast_vdif.H.PET	0.306845016	0.3049261273	0.164416252
## Busyness_vdif.H.PET	0.100954785	-0.3857759373	0.032102803

## Complexity_vdif.H.PET	0.672697241	0.6325578837	0.557046628
## Strength_vdif.H.PET	0.033545772	0.1231146763	0.016438992
## SRE_align.H.PET	0.970493397	0.4336456947	0.703800522
## LRE_align.H.PET	0.642725186	0.3829673237	0.408035541
## RLNU_align.H.PET	0.217040449	-0.0367160077	0.071713968
## RP_align.H.PET	0.958936275	0.4256671894	0.698255636
## LGRE_align.H.PET	0.472279573	0.9571609959	0.279075005
## HGRE_align.H.PET	0.925002311	0.4589729147	0.642828360
## LGSRE_align.H.PET	0.469904076	0.9571559639	0.277747866
## HGSRE_align.H.PET	0.968098060	0.4402090633	0.703994914
## LGHRE_align.H.PET	0.485020119	0.9581735193	0.286234800
## HGLRE_align.H.PET	0.444369712	0.3062004599	0.252371277
## GLNU_norm_align.H.PET	0.526380690	0.4918566470	0.342495208
## RLNU_norm_align.H.PET	0.908131874	0.3883698457	0.674252152
## GLVAR_align.H.PET	0.817437662	0.2898349440	0.558989777
## RLVAR_align.H.PET	0.288009033	0.2734884850	0.148834949
## Entropy_align.H.PET	0.893527684	0.3214168531	0.602997571
## SZSE.H.PET	0.851527602	0.3566217187	0.622315883
## LZSE.H.PET	-0.058157649	-0.0132916840	-0.048146275
## LGLZE.H.PET	0.472974322	0.9554389090	0.278148276
## HGLZE.H.PET	0.868535214	0.3930538551	0.644318115
## SZLGE.H.PET	0.466716764	0.9560791720	0.274077512
## SZHGE.H.PET	0.830604342	0.3142318745	0.657953992
## LZLGE.H.PET	0.007155873	0.1232212454	-0.018540128
## LZHGE.H.PET	-0.047762721	0.0269547558	-0.056723466
## GLNU_area.H.PET	0.250537077	-0.0610879470	0.119941490
## ZSNU.H.PET	0.190152003	-0.0429510815	0.035227730
## ZSP.H.PET	0.668353933	0.2284186945	0.504006180
## GLNU_norm.H.PET	0.539094973	0.4949114882	0.344412459
## ZSNU_norm.H.PET	0.721303107	0.2772880059	0.541677489
## GLVAR_area.H.PET	0.796472829	0.2782620748	0.534654924
## ZSVAR.H.PET	-0.054759673	0.0117828794	-0.054330911
## Entropy_area.H.PET	0.940436066	0.3695104229	0.633223170
## Max_cooc.W.PET	0.364232219	0.6497936514	0.203274001
## Average_cooc.W.PET	0.521191144	0.1077831763	0.303141400
## Variance_cooc.W.PET	0.258922224	0.0345272247	0.123288022
## Entropy_cooc.W.PET	0.850835241	0.2776662126	0.598612673
## DAVE_cooc.W.PET	0.548615458	0.1251299023	0.392497837
## DVAR_cooc.W.PET	0.293635736	0.0211328687	0.180996059
## DENT_cooc.W.PET	0.836828231	0.2824484458	0.613824221
## SAVE_cooc.W.PET	0.520401360	0.1058311716	0.302658710
## SVAR_cooc.W.PET	0.232857057	0.0386535372	0.092533548
## SENT_cooc.W.PET	0.892711521	0.4017893013	0.642545461
## ASM_cooc.W.PET	0.401017493	0.8131117047	0.209926701
## Contrast_cooc.W.PET	0.303489832	0.0194260860	0.192465410
## Dissimilarity_cooc.W.PET	0.548615458	0.1251299023	0.392497837
## Inv_diff_cooc.W.PET	0.760411560	0.5264080228	0.499072244
## Inv_diff_norm_cooc.W.PET	0.991415115	0.4728024288	0.690981474
## IDM_cooc.W.PET	0.628925808	0.5004376599	0.392704512
## IDM_norm_cooc.W.PET	0.995433348	0.4689971745	0.697164990
## Inv_var_cooc.W.PET	0.697718773	0.5285688303	0.456261399
## Correlation_cooc.W.PET	0.652127233	0.3593351677	0.363680861
## Autocorrelation_cooc.W.PET	0.255755825	0.0011430321	0.068545118
## Tendency_cooc.W.PET	0.232857057	0.0386535372	0.092533548

## Shade_cooc.W.PET	0.042936286	0.0367407879	0.003540275
## Prominence_cooc.W.PET	0.011754959	0.0104490707	-0.040684622
## IC1_d.W.PET	-0.126135122	0.3578373930	-0.102790749
## IC2_d.W.PET	0.848405884	0.4530986972	0.599272956
## Coarseness_vdif.W.PET	0.473081829	0.8281882832	0.358195743
## Contrast_vdif.W.PET	0.491189739	0.2378489500	0.392520613
## Busyness_vdif.W.PET	0.227248334	-0.0143875650	0.082995407
## Complexity_vdif.W.PET	0.166850616	0.0209281179	0.042810640
## Strength_vdif.W.PET	0.259199958	0.1631308830	0.270964023
## SRE_align.W.PET	0.990990322	0.4554770494	0.710104519
## LRE_align.W.PET	0.869166499	0.4576408294	0.578653922
## GLNU_align.W.PET	0.246188253	-0.0483980580	0.132552597
## RLNU_align.W.PET	0.217436544	-0.0374570279	0.078861373
## RP_align.W.PET	0.986726915	0.4501569324	0.709759947
## LGRE_align.W.PET	0.508069050	0.4647531045	0.366900345
## HGRE_align.W.PET	0.258074910	-0.0076150795	0.073150299
## LGSRE_align.W.PET	0.544068539	0.4896809560	0.403935040
## HGSRE_align.W.PET	0.253970522	-0.0094953249	0.071423583
## LGHRE_align.W.PET	0.343972671	0.3464933455	0.214252400
## HGLRE_align.W.PET	0.274275143	-0.0001271704	0.080791041
## GLNU_norm_align.W.PET	0.528967693	0.5843765531	0.341250033
## RLNU_norm_align.W.PET	0.967217447	0.4293873881	0.706142473
## GLVAR_align.W.PET	0.258131311	0.0248627169	0.107721745
## RLVAR_align.W.PET	0.366022670	0.4093936744	0.186761511
## Entropy_align.W.PET	0.896036124	0.3188691248	0.611605222
## SZSE.W.PET	0.939479524	0.4267782384	0.677173337
## LZSE.W.PET	0.133376023	0.1537274329	0.060318788
## LGLZE.W.PET	0.531599345	0.4855582036	0.372039514
## HGLZE.W.PET	0.261688167	-0.0068971435	0.079970874
## SZLGE.W.PET	0.604622669	0.5550776244	0.443787782
## SZHGE.W.PET	0.250223842	-0.0109355920	0.074880710
## LZLGE.W.PET	0.004474915	0.0725967097	-0.027953432
## LZHGE.W.PET	0.294724465	0.0479497435	0.126652573
## GLNU_area.W.PET	0.255150905	-0.0535671257	0.131237656
## ZSNU.W.PET	0.206865713	-0.0381264637	0.061910252
## ZSP.W.PET	0.868629095	0.3559728392	0.640062474
## GLNU_norm.W.PET	0.549316845	0.6017724887	0.347053279
## ZSNU_norm.W.PET	0.864628728	0.3587475606	0.655156277
## GLVAR_area.W.PET	0.261881082	0.0289186415	0.112825206
## ZSVAR.W.PET	0.043753600	0.1132195296	0.004198193
## Entropy_area.W.PET	0.933498232	0.3539399691	0.630621266
## Min_hist.ADC	0.358190081	0.2187637957	0.227042580
## Max_hist.ADC	0.861063621	0.3738757009	0.560451298
## Mean_hist.ADC	0.864842572	0.3470177142	0.825998585
## Variance_hist.ADC	0.441030039	0.3488728300	0.253984343
## Standard_Deviation_hist.ADC	0.718249640	0.4168771889	0.470846931
## Skewness_hist.ADC	0.222148168	0.1263442663	-0.388054810
## Kurtosis_hist.ADC	0.242365658	0.0553263300	0.197175606
## Energy_hist.ADC	0.471823996	0.9661590875	0.290570630
## Entropy_hist.ADC	0.938281044	0.3868469297	0.637551385
## AUC_hist.ADC	0.969358192	0.4634553808	0.595848925
## Volume.ADC	0.292799800	-0.1234443240	0.048135826
## X3D_surface.ADC	0.385124784	0.1208996482	0.073702899
## ratio_3ds_vol.ADC	0.689260039	0.5088032299	0.587671655

## ratio_3ds_vol_norm.ADC	0.930399919	0.3732563994	0.658915759
## irregularity.ADC	0.969611980	0.4839245906	0.691441894
## Compactness_v1.ADC	0.704885141	0.9171578381	0.458998605
##	LGSRE_align.L.ADC	HGSRE_align.L.ADC	
## Failure	0.0600711597	-0.052738110	
## Entropy_cooc.W.ADC	-0.0022335201	-0.039516171	
## GLNU_align.H.PET	0.0762641853	-0.118240627	
## Min_hist.PET	0.0966899614	0.383247636	
## Max_hist.PET	0.1133437394	0.348237623	
## Mean_hist.PET	0.0932415143	0.349914321	
## Variance_hist.PET	0.0270136024	0.108652183	
## Standard_Deviation_hist.PET	0.1312982472	0.340596488	
## Skewness_hist.PET	0.2987485590	0.456429538	
## Kurtosis_hist.PET	0.1327132348	0.104282408	
## Energy_hist.PET	0.9504092110	0.321977214	
## Entropy_hist.PET	0.3147063398	0.590237666	
## AUC_hist.PET	0.5095411742	0.695965037	
## H_suv.PET	0.2112414567	0.371542778	
## Volume.PET	-0.1186983074	0.047800865	
## X3D_surface.PET	0.1439437850	0.112923973	
## ratio_3ds_vol.PET	0.6173609891	0.516164951	
## ratio_3ds_vol_norm.PET	0.6305619182	0.399757323	
## irregularity.PET	0.4777086260	0.726458340	
## tumor_length.PET	0.3565464043	0.356857652	
## Compactness_v1.PET	0.8921175832	0.327854046	
## Compactness_v2.PET	-0.2396312314	0.094308039	
## Spherical_disproportion.PET	0.6305619182	0.399757323	
## Sphericity.PET	-0.3800490503	0.101488728	
## Asphericity.PET	0.6281231911	0.383933355	
## Center_of_mass.PET	0.2041598223	0.214081296	
## Max_3D_diam.PET	-0.1221379337	0.217094444	
## Major_axis_length.PET	0.0182662666	0.233366408	
## Minor_axis_length.PET	0.1680070576	0.365499657	
## Least_axis_length.PET	0.0495938483	0.273740052	
## Elongation.PET	0.4845299711	0.658175509	
## Flatness.PET	0.3813454943	0.567820055	
## Max_cooc.L.PET	0.9632793025	0.307388440	
## Average_cooc.L.PET	0.3734860355	0.560998393	
## Variance_cooc.L.PET	0.3315984463	0.529165793	
## Entropy_cooc.L.PET	0.3909480267	0.669930819	
## DAVE_cooc.L.PET	0.3607635581	0.617341869	
## DVAR_cooc.L.PET	0.3706832869	0.584394392	
## DENT_cooc.L.PET	0.4242891130	0.711008334	
## SAVE_cooc.L.PET	0.3724515410	0.560896109	
## SVAR_cooc.L.PET	0.3274214701	0.496006079	
## SENT_cooc.L.PET	0.5089341963	0.701437532	
## ASM_cooc.L.PET	0.9658792786	0.285952061	
## Contrast_cooc.L.PET	0.2933239307	0.510559623	
## Dissimilarity_cooc.L.PET	0.3607635581	0.617341869	
## Inv_diff_cooc.L.PET	0.5497412855	0.562538374	
## Inv_diff_norm_cooc.L.PET	0.4699667536	0.691777456	
## IDM_cooc.L.PET	0.5991223746	0.497177733	
## IDM_norm_cooc.L.PET	0.4677171962	0.697974541	
## Inv_var_cooc.L.PET	0.5974734351	0.496863043	

## Correlation_cooc.L.PET	0.3589122200	0.363651147
## Autocorrelation_cooc.L.PET	0.3159315613	0.399067839
## Tendency_cooc.L.PET	0.3274214701	0.496006079
## Shade_cooc.L.PET	0.1322721704	0.306054837
## Prominence_cooc.L.PET	0.2603062404	0.396151934
## IC1_.L.PET	0.0043234988	-0.401115327
## IC2_.L.PET	0.5476856691	0.698224268
## Coarseness_vdif_.L.PET	0.9007698036	0.364004015
## Contrast_vdif_.L.PET	0.2026924959	0.338378028
## Busyness_vdif_.L.PET	-0.0193752278	0.139679072
## Complexity_vdif_.L.PET	0.4074060966	0.637666537
## Strength_vdif_.L.PET	0.2978914125	0.370163137
## SRE_align.L.PET	0.4732967219	0.708466366
## LRE_align.L.PET	0.4563443608	0.698750567
## GLNU_align.L.PET	-0.0035996285	0.105061545
## RLNU_align.L.PET	-0.0506870243	0.080157698
## RP_align.L.PET	0.4732644478	0.709597473
## LGRE_align.L.PET	0.6458082314	0.507928251
## HGRE_align.L.PET	0.3245669621	0.423289368
## LGSRE_align.L.PET	0.6555905417	0.510619742
## HGSRE_align.L.PET	0.3257343088	0.423620616
## LGHRE_align.L.PET	0.6052775158	0.493656862
## HGLRE_align.L.PET	0.3186317095	0.420997685
## GLNU_norm_align.L.PET	0.8786211381	0.489015674
## RLNU_norm_align.L.PET	0.4741367000	0.711990004
## GLVAR_align.L.PET	0.3381749697	0.522777579
## RLVAR_align.L.PET	0.8138003950	0.397335372
## Entropy_align.L.PET	0.4077092294	0.674515379
## SZSE.L.PET	0.4794068650	0.678300746
## LZSE.L.PET	0.2821405295	0.523682825
## LGLZE.L.PET	0.6575172947	0.516728339
## HGLZE.L.PET	0.3258241041	0.433715789
## SZLGE.L.PET	0.6879573075	0.515932181
## SZHGE.L.PET	0.3329364913	0.425253680
## LZLGE.L.PET	0.4732938210	0.423529757
## LZHGE.L.PET	0.2328527892	0.371903447
## GLNU_area.L.PET	-0.0084336640	0.102479373
## ZSNU.L.PET	-0.0600740584	0.076560662
## ZSP.L.PET	0.4765389748	0.691098923
## GLNU_norm.L.PET	0.8825778209	0.487701575
## ZSNU_norm.L.PET	0.4766976770	0.702204655
## GLVAR_area.L.PET	0.3456106643	0.529114620
## ZSVAR.L.PET	0.3358754673	0.295239839
## Entropy_area.L.PET	0.4050065906	0.672174660
## Max_cooc.H.PET	0.4498918035	0.194392544
## Average_cooc.H.PET	0.4556935400	0.697157217
## Variance_cooc.H.PET	0.3131739583	0.590493398
## Entropy_cooc.H.PET	0.2605631888	0.607376019
## DAVE_cooc.H.PET	0.3337489955	0.664492571
## DVAR_cooc.H.PET	0.3498834872	0.609969792
## DENT_cooc.H.PET	0.2240298655	0.563970245
## SAVE_cooc.H.PET	0.4411773665	0.712491853
## SVAR_cooc.H.PET	0.3504167893	0.561947295
## SENT_cooc.H.PET	0.5632952925	0.535521606

## ASM_cooc.H.PET	0.5361730157	0.146964994
## Contrast_cooc.H.PET	0.2954291609	0.596688628
## Dissimilarity_cooc.H.PET	0.3337489955	0.664492571
## Inv_diff_cooc.H.PET	0.5146594678	0.429890386
## Inv_diff_norm_cooc.H.PET	0.4866149983	0.696759926
## IDM_cooc.H.PET	0.4894024327	0.355628561
## IDM_norm_cooc.H.PET	0.4762431148	0.703340901
## Inv_var_cooc_.H.PET	0.8556020196	0.400364878
## Correlation_cooc.H.PET	0.3537054904	0.370030447
## Autocorrelation_cooc.H.PET	0.4632224962	0.649931381
## Tendency_cooc.H.PET	0.2946274822	0.534341370
## Shade_cooc.H.PET	-0.1610739565	-0.323124516
## Prominence_cooc.H.PET	0.1719567958	0.372193509
## IC1_d.H.PET	0.2931903458	-0.045041993
## IC2_d.H.PET	0.3997442777	0.509510654
## Coarseness_vdif.H.PET	0.9614417119	0.291089741
## Contrast_vdif.H.PET	0.3071402556	0.171725723
## Busyness_vdif.H.PET	-0.3879216630	0.028529193
## Complexity_vdif.H.PET	0.6362109796	0.562329763
## Strength_vdif.H.PET	0.1248249157	0.019478872
## SRE_align.H.PET	0.4339822059	0.705939250
## LRE_align.H.PET	0.3801549401	0.410242622
## RLNU_align.H.PET	-0.0405124441	0.068531562
## RP_align.H.PET	0.4261894765	0.700581568
## LGRE_align.H.PET	0.9605225477	0.283485587
## HGRE_align.H.PET	0.4584310336	0.645921964
## LGSRE_align.H.PET	0.9605328002	0.282159929
## HGSRE_align.H.PET	0.4402712176	0.706786042
## LGHRE_align.H.PET	0.9614037409	0.290628748
## HGLRE_align.H.PET	0.3040476534	0.254535141
## GLNU_norm_align.H.PET	0.4919714358	0.346394910
## RLNU_norm_align.H.PET	0.3892309246	0.676440890
## GLVAR_align.H.PET	0.2900755490	0.560956012
## RLVAR_align.H.PET	0.2704350452	0.149340220
## Entropy_align.H.PET	0.3203329127	0.603536566
## SZSE.H.PET	0.3569989763	0.622516791
## LZSE.H.PET	-0.0172933835	-0.048792639
## LGLZE.H.PET	0.9587902121	0.282607796
## HGLZE.H.PET	0.3910380582	0.645019766
## SZLGE.H.PET	0.9594498948	0.278500189
## SZHGE.H.PET	0.3144255634	0.658080118
## LZLGE.H.PET	0.1191567711	-0.018728604
## LZHGE.H.PET	0.0239745317	-0.056756957
## GLNU_area.H.PET	-0.0645994327	0.115321925
## ZSNU.H.PET	-0.0464403983	0.033038327
## ZSP.H.PET	0.2297246416	0.504251505
## GLNU_norm.H.PET	0.4954838066	0.348657153
## ZSNU_norm.H.PET	0.2781731334	0.541924975
## GLVAR_area.H.PET	0.2782970334	0.536708543
## ZSVAR_H.PET	0.0079382235	-0.054876790
## Entropy_area.H.PET	0.3681599334	0.633953396
## Max_cooc.W.PET	0.6513202334	0.207069862
## Average_cooc.W.PET	0.1075294779	0.304501523
## Variance_cooc.W.PET	0.0345761905	0.124468081

## Entropy_cooc.W.PET	0.2773163748	0.599179280
## DAVE_cooc.W.PET	0.1260754990	0.393877942
## DVAR_cooc.W.PET	0.0220427595	0.182827422
## DENT_cooc.W.PET	0.2827639388	0.614600962
## SAVE_cooc.W.PET	0.1055704357	0.304010605
## SVAR_cooc.W.PET	0.0383221116	0.093259734
## SENT_cooc.W.PET	0.4019095556	0.643897534
## ASM_cooc.W.PET	0.8154702543	0.214674786
## Contrast_cooc.W.PET	0.0204623834	0.194723230
## Dissimilarity_cooc.W.PET	0.1260754990	0.393877942
## Inv_diff_cooc.W.PET	0.5255686842	0.502198681
## Inv_diff_norm_cooc.W.PET	0.4721398247	0.692696353
## IDM_cooc.W.PET	0.4995229125	0.395908739
## IDM_norm_cooc.W.PET	0.4685025979	0.699142803
## Inv_var_cooc.W.PET	0.5277897844	0.459206815
## Correlation_cooc.W.PET	0.3559784819	0.362346594
## Autocorrelation_cooc.W.PET	0.0006171405	0.070273582
## Tendency_cooc.W.PET	0.0383221116	0.093259734
## Shade_cooc.W.PET	0.0369183062	0.003564676
## Prominence_cooc.W.PET	0.0104946622	-0.039625603
## IC1_d.W.PET	0.3624953182	-0.102524734
## IC2_d.W.PET	0.4516071787	0.601414618
## Coarseness_vdif.W.PET	0.8326202359	0.366730451
## Contrast_vdif.W.PET	0.2407542369	0.397457969
## Busyness_vdif.W.PET	-0.0182596635	0.082448572
## Complexity_vdif.W.PET	0.0206955995	0.043971149
## Strength_vdif.W.PET	0.1653800862	0.272397805
## SRE_align.W.PET	0.4554950593	0.712316408
## LRE_align.W.PET	0.4560961575	0.581164298
## GLNU_align.W.PET	-0.0525886918	0.127689382
## RLNU_align.W.PET	-0.0413642403	0.075439309
## RP_align.W.PET	0.4502859217	0.712020326
## LGRE_align.W.PET	0.4643915154	0.369802445
## HGRE_align.W.PET	-0.0081001806	0.074829592
## LGSRE_align.W.PET	0.4895813658	0.406909347
## HGSRE_align.W.PET	-0.0099302635	0.073129210
## LGHRE_align.W.PET	0.3449889233	0.216547432
## HGLRE_align.W.PET	-0.0008273517	0.082364059
## GLNU_norm_align.W.PET	0.5850967523	0.345413931
## RLNU_norm_align.W.PET	0.4297465941	0.708236435
## GLVAR_align.W.PET	0.0246717197	0.108847861
## RLVAR_align.W.PET	0.4073468638	0.188379199
## Entropy_align.W.PET	0.3180162646	0.612323798
## SZSE.W.PET	0.4270031815	0.678379023
## LZSE.W.PET	0.1517608663	0.060963602
## LGLZE.W.PET	0.4853254791	0.374626996
## HGLZE.W.PET	-0.0073105573	0.081600539
## SZLGE.W.PET	0.5554460554	0.445417296
## SZHGE.W.PET	-0.0111931406	0.076559738
## LZLGE.W.PET	0.0701417807	-0.027281788
## LZHGE.W.PET	0.0468385575	0.127579366
## GLNU_area.W.PET	-0.0574432650	0.126365079
## ZSNU.W.PET	-0.0418119883	0.058981059
## ZSP.W.PET	0.3566032512	0.641446629

## GLNU_norm.W.PET	0.6026961138	0.351571952
## ZSNU_norm.W.PET	0.3595240613	0.656131456
## GLVAR_area.W.PET	0.0287687902	0.113821453
## ZSVAR.W.PET	0.1111433413	0.003860575
## Entropy_area.W.PET	0.3526889618	0.631437123
## Min_hist.ADC	0.2238573084	0.233079793
## Max_hist.ADC	0.3705042468	0.555502034
## Mean_hist.ADC	0.3484257316	0.823469173
## Variance_hist.ADC	0.3410081339	0.254612468
## Standard_Deviation_hist.ADC	0.4108924795	0.472477735
## Skewness_hist.ADC	0.1285024441	-0.382106933
## Kurtosis_hist.ADC	0.0565814909	0.181812167
## Energy_hist.ADC	0.9700235722	0.296262006
## Entropy_hist.ADC	0.3841673876	0.635453401
## AUC_hist.ADC	0.4637280460	0.598233653
## Volume.ADC	-0.1280081453	0.043258602
## X3D_surface.ADC	0.1135270694	0.061212705
## ratio_3ds_vol.ADC	0.5137900541	0.603945818
## ratio_3ds_vol_norm.ADC	0.3718161344	0.659135923
## irregularity.ADC	0.4853082105	0.699232017
## Compactness_v1.ADC	0.9202090587	0.464037778
##	LGHRE_align.L.ADC	HGLRE_align.L.ADC
## Failure	0.040487232	-0.074019024
## Entropy_cooc.W.ADC	0.028114150	-0.013569168
## GLNU_align.H.PET	0.100076517	-0.090320411
## Min_hist.PET	0.095287292	0.368523449
## Max_hist.PET	0.116901340	0.344804830
## Mean_hist.PET	0.092954684	0.336846845
## Variance_hist.PET	0.027730397	0.101915168
## Standard_Deviation_hist.PET	0.131235239	0.335179970
## Skewness_hist.PET	0.298910281	0.472424100
## Kurtosis_hist.PET	0.132105569	0.128829744
## Energy_hist.PET	0.922134100	0.290903638
## Entropy_hist.PET	0.329878622	0.586249700
## AUC_hist.PET	0.509002569	0.677472921
## H_suv.PET	0.201202084	0.363594300
## Volume.PET	-0.090317308	0.069617706
## X3D_surface.PET	0.163065426	0.126139084
## ratio_3ds_vol.PET	0.589814086	0.493687161
## ratio_3ds_vol_norm.PET	0.622305557	0.397180987
## irregularity.PET	0.472639445	0.703324545
## tumor_length.PET	0.374560129	0.366993237
## Compactness_v1.PET	0.871835720	0.306643283
## Compactness_v2.PET	-0.224891613	0.104176693
## Spherical_disproportion.PET	0.622305557	0.397180987
## Sphericity.PET	-0.362117058	0.109590101
## Asphericity.PET	0.619721355	0.381922214
## Center_of_mass.PET	0.220626790	0.226309117
## Max_3D_diam.PET	-0.099642781	0.226192345
## Major_axis_length.PET	0.038943536	0.236096420
## Minor_axis_length.PET	0.187938860	0.381873760
## Least_axis_length.PET	0.072312909	0.287380848
## Elongation.PET	0.479326260	0.648490396
## Flatness.PET	0.380750674	0.551787726

## Max_cooc.L.PET	0.937314420	0.283231750
## Average_cooc.L.PET	0.360727954	0.521850227
## Variance_cooc.L.PET	0.313153250	0.489836179
## Entropy_cooc.L.PET	0.391589169	0.652977854
## DAVE_cooc.L.PET	0.342256063	0.578953687
## DVAR_cooc.L.PET	0.344467873	0.557226093
## DENT_cooc.L.PET	0.417267486	0.685637164
## SAVE_cooc.L.PET	0.359719876	0.521760733
## SVAR_cooc.L.PET	0.313266436	0.461108647
## SENT_cooc.L.PET	0.502053593	0.675585167
## ASM_cooc.L.PET	0.940285185	0.262393780
## Contrast_cooc.L.PET	0.270554541	0.469489008
## Dissimilarity_cooc.L.PET	0.342256063	0.578953687
## Inv_diff_cooc.L.PET	0.556391390	0.558808424
## Inv_diff_norm_cooc.L.PET	0.471143642	0.675816583
## IDM_cooc.L.PET	0.604888562	0.495703392
## IDM_norm_cooc.L.PET	0.467772254	0.680457729
## Inv_var_cooc.L.PET	0.604117648	0.499670354
## Correlation_cooc.L.PET	0.377603747	0.365643144
## Autocorrelation_cooc.L.PET	0.298373598	0.356655522
## Tendency_cooc.L.PET	0.313266436	0.461108647
## Shade_cooc.L.PET	0.131460705	0.315150374
## Prominence_cooc.L.PET	0.243596063	0.371850406
## IC1_.L.PET	0.010400851	-0.355985123
## IC2_.L.PET	0.539589684	0.660796042
## Coarseness_vdif_.L.PET	0.869596665	0.325064866
## Contrast_vdif_.L.PET	0.183148949	0.293906821
## Busyness_vdif_.L.PET	0.001077923	0.162798791
## Complexity_vdif_.L.PET	0.386472628	0.602727204
## Strength_vdif_.L.PET	0.275358866	0.335110971
## SRE_align.L.PET	0.470986089	0.688098295
## LRE_align.L.PET	0.457676754	0.681321359
## GLNU_align.L.PET	0.019326573	0.127856782
## RLNU_align.L.PET	-0.025922422	0.097142064
## RP_align.L.PET	0.470674193	0.688908455
## LGRE_align.L.PET	0.637359878	0.497746387
## HGRE_align.L.PET	0.305836225	0.379571549
## LGSRE_align.L.PET	0.646617536	0.499805845
## HGSRE_align.L.PET	0.306742031	0.379887433
## LGHRE_align.L.PET	0.598939041	0.485994685
## HGLRE_align.L.PET	0.301111171	0.377491633
## GLNU_norm_align.L.PET	0.860034977	0.469833384
## RLNU_norm_align.L.PET	0.470664758	0.690327558
## GLVAR_align.L.PET	0.320693988	0.483250079
## RLVAR_align.L.PET	0.808918221	0.386887820
## Entropy_align.L.PET	0.408068890	0.655223162
## SZSE.L.PET	0.476627912	0.658978585
## LZSE.L.PET	0.286496154	0.511049139
## LGLZE.L.PET	0.648666577	0.506582999
## HGLZE.L.PET	0.307001303	0.390616208
## SZLGE.L.PET	0.677817123	0.504541413
## SZHGE.L.PET	0.314187686	0.384392878
## LZLGE.L.PET	0.473695930	0.421112824
## LZHGE.L.PET	0.218901079	0.329941706

## GLNU_area.L.PET	0.014942723	0.124866765
## ZSNU.L.PET	-0.035596020	0.092930540
## ZSP.L.PET	0.472713760	0.669768264
## GLNU_norm.L.PET	0.864202275	0.468353345
## ZSNU_norm.L.PET	0.471474093	0.677496122
## GLVAR_area.L.PET	0.328040469	0.490136337
## ZSVAR.L.PET	0.345356597	0.297463837
## Entropy_area.L.PET	0.406477813	0.655186933
## Max_cooc.H.PET	0.447527992	0.179768095
## Average_cooc.H.PET	0.455134743	0.675563713
## Variance_cooc.H.PET	0.308194287	0.571968441
## Entropy_cooc.H.PET	0.254123689	0.595980770
## DAVE_cooc.H.PET	0.321460552	0.641681064
## DVAR_cooc.H.PET	0.334496691	0.584274180
## DENT_cooc.H.PET	0.241499992	0.565893535
## SAVE_cooc.H.PET	0.444513307	0.693738224
## SVAR_cooc.H.PET	0.361449482	0.548071256
## SENT_cooc.H.PET	0.549338762	0.518982949
## ASM_cooc.H.PET	0.528517103	0.125663423
## Contrast_cooc.H.PET	0.278113101	0.570595686
## Dissimilarity_cooc.H.PET	0.321460552	0.641681064
## Inv_diff_cooc.H.PET	0.518508770	0.411591571
## Inv_diff_norm_cooc.H.PET	0.486844140	0.677748091
## IDM_cooc.H.PET	0.492919031	0.338027302
## IDM_norm_cooc.H.PET	0.475938149	0.684374222
## Inv_var_cooc.H.PET	0.835298538	0.385054348
## Correlation_cooc.H.PET	0.372525799	0.369787398
## Autocorrelation_cooc.H.PET	0.463671328	0.627528530
## Tendency_cooc.H.PET	0.296760580	0.521563397
## Shade_cooc.H.PET	-0.155797691	-0.297361558
## Prominence_cooc.H.PET	0.175743449	0.364070153
## IC1_d.H.PET	0.258497430	-0.046952800
## IC2_d.H.PET	0.413327822	0.498822933
## Coarseness_vdif.H.PET	0.934060561	0.264769200
## Contrast_vdif.H.PET	0.291074319	0.134460835
## Busyness_vdif.H.PET	-0.372956276	0.045651950
## Complexity_vdif.H.PET	0.610037467	0.529524832
## Strength_vdif.H.PET	0.113567153	0.004609258
## SRE_align.H.PET	0.429036716	0.687381629
## LRE_align.H.PET	0.394932584	0.394668398
## RLNU_align.H.PET	-0.017499105	0.084020258
## RP_align.H.PET	0.420137832	0.681165216
## LGRE_align.H.PET	0.935009197	0.258494047
## HGRE_align.H.PET	0.458507594	0.623483215
## LGSRE_align.H.PET	0.934925513	0.257180441
## HGSRE_align.H.PET	0.436801649	0.685160534
## LGHRE_align.H.PET	0.936699779	0.265604204
## HGLRE_align.H.PET	0.315087096	0.240954233
## GLNU_norm_align.H.PET	0.487943524	0.323585703
## RLNU_norm_align.H.PET	0.381359207	0.657959934
## GLVAR_align.H.PET	0.286721687	0.544515329
## RLVAR_align.H.PET	0.287631362	0.144935767
## Entropy_align.H.PET	0.324855267	0.593818526
## SZSE.H.PET	0.352387446	0.614457714

## LZSE.H.PET	0.008034125	-0.045166340
## LGLZE.H.PET	0.933349586	0.257366062
## HGLZE.H.PET	0.400500602	0.633517294
## SZLGE.H.PET	0.933887346	0.253501940
## SZHGE.H.PET	0.311121126	0.649888502
## LZLGE.H.PET	0.144590704	-0.017843973
## LZHGE.H.PET	0.042447405	-0.055829855
## GLNU_area.H.PET	-0.043111167	0.137309234
## ZSNU.H.PET	-0.025460169	0.044126191
## ZSP.H.PET	0.219984919	0.497392956
## GLNU_norm.H.PET	0.488665261	0.324416617
## ZSNU_norm.H.PET	0.270959918	0.534380299
## GLVAR_area.H.PET	0.276253877	0.519756328
## ZSVAR_H.PET	0.032168941	-0.051575344
## Entropy_area.H.PET	0.373949543	0.622880723
## Max_cooc.W.PET	0.638159120	0.186510350
## Average_cooc.W.PET	0.108125932	0.294221073
## Variance_cooc.W.PET	0.033793975	0.117451544
## Entropy_cooc.W.PET	0.277538263	0.589480517
## DAVE_cooc.W.PET	0.119178264	0.382468777
## DVAR_cooc.W.PET	0.016028183	0.171690445
## DENT_cooc.W.PET	0.278832194	0.603777237
## SAVE_cooc.W.PET	0.106219869	0.293776236
## SVAR_cooc.W.PET	0.039884870	0.088994144
## SENT_cooc.W.PET	0.398644721	0.629729557
## ASM_cooc.W.PET	0.796499901	0.189113788
## Contrast_cooc.W.PET	0.013642554	0.181160124
## Dissimilarity_cooc.W.PET	0.119178264	0.382468777
## Inv_diff_cooc.W.PET	0.527398026	0.481103661
## Inv_diff_norm_cooc.W.PET	0.473165835	0.676335513
## IDM_cooc.W.PET	0.502003028	0.375659169
## IDM_norm_cooc.W.PET	0.468462035	0.681426235
## Inv_var_cooc.W.PET	0.529359955	0.439636440
## Correlation_cooc.W.PET	0.374726520	0.364847044
## Autocorrelation_cooc.W.PET	0.003477405	0.061103670
## Tendency_cooc.W.PET	0.039884870	0.088994144
## Shade_cooc.W.PET	0.035604015	0.004180462
## Prominence_cooc.W.PET	0.010083823	-0.043760207
## IC1_d.W.PET	0.331657913	-0.102028966
## IC2_d.W.PET	0.458364764	0.583803952
## Coarseness_vdif.W.PET	0.800968864	0.320892170
## Contrast_vdif.W.PET	0.221133245	0.367966360
## Busyness_vdif.W.PET	0.004957616	0.083956695
## Complexity_vdif.W.PET	0.021905151	0.038241582
## Strength_vdif.W.PET	0.150771503	0.262528783
## SRE_align.W.PET	0.452363260	0.693346099
## LRE_align.W.PET	0.462537226	0.562047215
## GLNU_align.W.PET	-0.026610488	0.150205054
## RLNU_align.W.PET	-0.017580167	0.091975251
## RP_align.W.PET	0.446500752	0.692812577
## LGRE_align.W.PET	0.463615801	0.351495975
## HGRE_align.W.PET	-0.005419373	0.065807846
## LGSRE_align.W.PET	0.487081951	0.387840201
## HGSRE_align.W.PET	-0.007549003	0.064013509

## LGHRE_align.W.PET	0.351882730	0.202910847
## HGLRE_align.W.PET	0.003150196	0.073702334
## GLNU_norm_align.W.PET	0.576948466	0.321319539
## RLNU_norm_align.W.PET	0.424699217	0.689915219
## GLVAR_align.W.PET	0.025429707	0.102290636
## RLVAR_align.W.PET	0.417577026	0.178118614
## Entropy_align.W.PET	0.321115708	0.601645450
## SZSE.W.PET	0.422762114	0.664944804
## LZSE.W.PET	0.163023661	0.057609285
## LGLZE.W.PET	0.483611639	0.357980431
## HGLZE.W.PET	-0.005067508	0.072775346
## SZLGE.W.PET	0.549732535	0.432983754
## SZHGE.W.PET	-0.009913412	0.067601729
## LZLGE.W.PET	0.084890392	-0.030172704
## LZHGE.W.PET	0.053396512	0.121654557
## GLNU_area.W.PET	-0.033558954	0.149175408
## ZSNU.W.PET	-0.019546952	0.073393671
## ZSP.W.PET	0.350259048	0.627294501
## GLNU_norm.W.PET	0.593189829	0.325748953
## ZSNU_norm.W.PET	0.352318896	0.644025051
## GLVAR_area.W.PET	0.029276008	0.107870186
## ZSVAR.W.PET	0.123384027	0.006192142
## Entropy_area.W.PET	0.358041917	0.620010639
## Min_hist.ADC	0.190277085	0.205155709
## Max_hist.ADC	0.388705796	0.574011554
## Mean_hist.ADC	0.337153050	0.828989559
## Variance_hist.ADC	0.387059308	0.246034443
## Standard_Deviation_hist.ADC	0.444900913	0.456809733
## Skewness_hist.ADC	0.113780317	-0.407168823
## Kurtosis_hist.ADC	0.048683501	0.261179386
## Energy_hist.ADC	0.941371303	0.265101250
## Entropy_hist.ADC	0.398056839	0.637737181
## AUC_hist.ADC	0.458850373	0.579505887
## Volume.ADC	-0.099922098	0.067394618
## X3D_surface.ADC	0.158550523	0.122116178
## ratio_3ds_vol.ADC	0.479960401	0.517321454
## ratio_3ds_vol_norm.ADC	0.378274596	0.650651492
## irregularity.ADC	0.473557559	0.652928054
## Compactness_v1.ADC	0.896426273	0.433894427
##	GLNU_norm_align.L.ADC	RLNU_norm_align.L.ADC
## Failure	0.003078968	0.020789416
## Entropy_cooc.W.ADC	0.008603367	0.003815902
## GLNU_align.H.PET	0.046518056	-0.063702954
## Min_hist.PET	0.313515770	0.525945008
## Max_hist.PET	0.353418602	0.529723312
## Mean_hist.PET	0.321591460	0.522193001
## Variance_hist.PET	0.166801663	0.253251580
## Standard_Deviation_hist.PET	0.373272597	0.523390637
## Skewness_hist.PET	0.442514770	0.528879510
## Kurtosis_hist.PET	0.161375251	0.139334179
## Energy_hist.PET	0.843306293	0.471664258
## Entropy_hist.PET	0.570708034	0.854934985
## AUC_hist.PET	0.777878329	0.988639723
## H_suv.PET	0.458402053	0.547188519

## Volume.PET	0.067604450	0.289394961
## X3D_surface.PET	0.187172940	0.204313622
## ratio_3ds_vol.PET	0.671728735	0.596144709
## ratio_3ds_vol_norm.PET	0.719327191	0.582230511
## irregularity.PET	0.725342692	0.971353322
## tumor_length.PET	0.515660198	0.579577641
## Compactness_v1.PET	0.860480532	0.565331068
## Compactness_v2.PET	-0.063190997	0.213800291
## Spherical_disproportion.PET	0.719327191	0.582230511
## Sphericity.PET	-0.166022754	0.210107499
## Asphericity.PET	0.708897717	0.560514820
## Center_of_mass.PET	0.295360207	0.352473082
## Max_3D_diam.PET	0.117277719	0.434120358
## Major_axis_length.PET	0.218697525	0.485007916
## Minor_axis_length.PET	0.434886415	0.624292561
## Least_axis_length.PET	0.307342245	0.521978741
## Elongation.PET	0.732640180	0.849735973
## Flatness.PET	0.635082863	0.783062117
## Max_cooc.L.PET	0.868520369	0.491262777
## Average_cooc.L.PET	0.581763926	0.822095076
## Variance_cooc.L.PET	0.471607210	0.668982311
## Entropy_cooc.L.PET	0.696985792	0.970334517
## DAVE_cooc.L.PET	0.560230872	0.772358357
## DVAR_cooc.L.PET	0.562359865	0.681103902
## DENT_cooc.L.PET	0.705983091	0.969667948
## SAVE_cooc.L.PET	0.580949825	0.821885368
## SVAR_cooc.L.PET	0.463982064	0.676031995
## SENT_cooc.L.PET	0.767613885	0.976188512
## ASM_cooc.L.PET	0.862267098	0.461502255
## Contrast_cooc.L.PET	0.420008544	0.567653759
## Dissimilarity_cooc.L.PET	0.560230872	0.772358357
## Inv_diff_cooc.L.PET	0.754179913	0.839476182
## Inv_diff_norm_cooc.L.PET	0.751775307	0.985453055
## IDM_cooc.L.PET	0.751404909	0.751459696
## IDM_norm_cooc.L.PET	0.750894262	0.990285403
## Inv_var_cooc.L.PET	0.754070317	0.753876049
## Correlation_cooc.L.PET	0.511598129	0.646980947
## Autocorrelation_cooc.L.PET	0.435977608	0.623778382
## Tendency_cooc.L.PET	0.463982064	0.676031995
## Shade_cooc.L.PET	0.214529425	0.332626504
## Prominence_cooc.L.PET	0.329225740	0.487393095
## IC1_.L.PET	-0.063466815	-0.391889158
## IC2_.L.PET	0.729216290	0.917137866
## Coarseness_vdif_.L.PET	0.800532610	0.514411497
## Contrast_vdif_.L.PET	0.213446340	0.260220327
## Busyness_vdif_.L.PET	0.150614100	0.277366201
## Complexity_vdif_.L.PET	0.591395111	0.730611502
## Strength_vdif_.L.PET	0.279530182	0.333521687
## SRE_align.L.PET	0.753343776	0.994206447
## LRE_align.L.PET	0.742460237	0.983174981
## GLNU_align.L.PET	0.132192050	0.226711921
## RLNU_align.L.PET	0.079832357	0.203812577
## RP_align.L.PET	0.753128480	0.994301896
## LGRE_align.L.PET	0.722349352	0.635188941

## HGRE_align.L.PET	0.458482825	0.644698569
## LGSRE_align.L.PET	0.731747745	0.640388066
## HGSRE_align.L.PET	0.458201386	0.643481670
## LGHRE_align.L.PET	0.682507069	0.611135522
## HGLRE_align.L.PET	0.458298239	0.647678503
## GLNU_norm_align.L.PET	0.896866903	0.691217746
## RLNU_norm_align.L.PET	0.752648355	0.993819605
## GLVAR_align.L.PET	0.492079072	0.693001930
## RLVAR_align.L.PET	0.852758713	0.641702172
## Entropy_align.L.PET	0.706789353	0.976614947
## SZSE.L.PET	0.742199037	0.972744785
## LZSE.L.PET	0.514785056	0.682674317
## LGLZE.L.PET	0.737156899	0.646601543
## HGLZE.L.PET	0.465177104	0.654061412
## SZLGE.L.PET	0.760968118	0.656988710
## SZHGE.L.PET	0.465152534	0.648943355
## LZLGE.L.PET	0.548011309	0.508276038
## LZHGE.L.PET	0.371862153	0.534667110
## GLNU_area.L.PET	0.125978897	0.228349288
## ZSNU.L.PET	0.069798145	0.205255399
## ZSP.L.PET	0.741927653	0.980673616
## GLNU_norm.L.PET	0.899770176	0.691476702
## ZSNU_norm.L.PET	0.742173637	0.984794580
## GLVAR_area.L.PET	0.503628501	0.703719893
## ZSVAR.L.PET	0.461768478	0.432798542
## Entropy_area.L.PET	0.708766867	0.975278674
## Max_cooc.H.PET	0.363881519	0.333262793
## Average_cooc.H.PET	0.708260375	0.973334494
## Variance_cooc.H.PET	0.620294492	0.844499016
## Entropy_cooc.H.PET	0.575546227	0.826623431
## DAVE_cooc.H.PET	0.639665573	0.872152400
## DVAR_cooc.H.PET	0.627142996	0.850681571
## DENT_cooc.H.PET	0.480399109	0.756182466
## SAVE_cooc.H.PET	0.700139698	0.976674659
## SVAR_cooc.H.PET	0.593930653	0.832329568
## SENT_cooc.H.PET	0.734421403	0.692921847
## ASM_cooc.H.PET	0.422666477	0.320525808
## Contrast_cooc.H.PET	0.575332317	0.780029431
## Dissimilarity_cooc.H.PET	0.639665573	0.872152400
## Inv_diff_cooc.H.PET	0.578533855	0.685604398
## Inv_diff_norm_cooc.H.PET	0.755250188	0.990793582
## IDM_cooc.H.PET	0.509218817	0.584175135
## IDM_norm_cooc.H.PET	0.753011397	0.992861693
## Inv_var_cooc_.H.PET	0.875837405	0.602865693
## Correlation_cooc.H.PET	0.521020970	0.653613661
## Autocorrelation_cooc.H.PET	0.670952574	0.920515908
## Tendency_cooc.H.PET	0.589024062	0.803795024
## Shade_cooc.H.PET	-0.296737145	-0.415386904
## Prominence_cooc.H.PET	0.425251196	0.585520076
## IC1_d.H.PET	0.208611921	-0.105369431
## IC2_d.H.PET	0.601381252	0.773894621
## Coarseness_vdif.H.PET	0.854732480	0.457566283
## Contrast_vdif.H.PET	0.250932090	0.318127383
## Busyness_vdif.H.PET	-0.180522202	0.085701161

## Complexity_vdif.H.PET	0.741136242	0.677243620
## Strength_vdif.H.PET	0.075069542	0.040948365
## SRE_align.H.PET	0.735577424	0.965217790
## LRE_align.H.PET	0.467215522	0.644094085
## RLNU_align.H.PET	0.084311439	0.204504850
## RP_align.H.PET	0.726952994	0.953888107
## LGRE_align.H.PET	0.867279931	0.478217792
## HGRE_align.H.PET	0.671934124	0.925043505
## LGSRE_align.H.PET	0.866226148	0.475883431
## HGSRE_align.H.PET	0.701469307	0.966465725
## LGHRE_align.H.PET	0.872961878	0.490758590
## HGLRE_align.H.PET	0.327722395	0.447588327
## GLNU_norm_align.H.PET	0.482065650	0.534136779
## RLNU_norm_align.H.PET	0.691668564	0.902687316
## GLVAR_align.H.PET	0.591572348	0.809613956
## RLVAR_align.H.PET	0.244994228	0.289962277
## Entropy_align.H.PET	0.638954601	0.884364940
## SZSE.H.PET	0.651624684	0.843797186
## LZSE.H.PET	-0.091015895	-0.057002160
## LGLZE.H.PET	0.865977699	0.478910848
## HGLZE.H.PET	0.605334820	0.864877491
## SZLGE.H.PET	0.863089309	0.472747899
## SZHGE.H.PET	0.587548011	0.825689568
## LZLGE.H.PET	0.029920246	0.008928692
## LZHGE.H.PET	-0.055107559	-0.045422998
## GLNU_area.H.PET	0.097393770	0.234999198
## ZSNU.H.PET	0.052747279	0.180112857
## ZSP.H.PET	0.496630571	0.661432245
## GLNU_norm.H.PET	0.495757670	0.546981840
## ZSNU_norm.H.PET	0.553001866	0.714433448
## GLVAR_area.H.PET	0.571943292	0.788627134
## ZSVAR_H.PET	-0.072700877	-0.053317124
## Entropy_area.H.PET	0.683007938	0.931330930
## Max_cooc.W.PET	0.545446308	0.373884302
## Average_cooc.W.PET	0.342819374	0.513893181
## Variance_cooc.W.PET	0.170057545	0.254341638
## Entropy_cooc.W.PET	0.602835969	0.841741752
## DAVE_cooc.W.PET	0.375996477	0.542689493
## DVAR_cooc.W.PET	0.180472351	0.290082694
## DENT_cooc.W.PET	0.602335344	0.828838707
## SAVE_cooc.W.PET	0.341135641	0.513088868
## SVAR_cooc.W.PET	0.158857447	0.227815441
## SENT_cooc.W.PET	0.700224502	0.885809970
## ASM_cooc.W.PET	0.685928108	0.410756611
## Contrast_cooc.W.PET	0.183114916	0.300517534
## Dissimilarity_cooc.W.PET	0.375996477	0.542689493
## Inv_diff_cooc.W.PET	0.628353637	0.762860934
## Inv_diff_norm_cooc.W.PET	0.752711174	0.986153447
## IDM_cooc.W.PET	0.539938594	0.633351319
## IDM_norm_cooc.W.PET	0.751482693	0.990567261
## Inv_var_cooc.W.PET	0.598625382	0.700899885
## Correlation_cooc.W.PET	0.510817485	0.645898794
## Autocorrelation_cooc.W.PET	0.140313770	0.250778607
## Tendency_cooc.W.PET	0.158857447	0.227815441

## Shade_cooc.W.PET	0.062896392	0.040281756
## Prominence_cooc.W.PET	0.024388282	0.009993551
## IC1_d.W.PET	0.247466077	-0.125700087
## IC2_d.W.PET	0.664585888	0.846289544
## Coarseness_vdif.W.PET	0.727969463	0.487890869
## Contrast_vdif.W.PET	0.406773403	0.493190411
## Busyness_vdif.W.PET	0.029718668	0.223491279
## Complexity_vdif.W.PET	0.116062114	0.162248969
## Strength_vdif.W.PET	0.225341981	0.262597013
## SRE_align.W.PET	0.749192879	0.986198719
## LRE_align.W.PET	0.647170460	0.868095613
## GLNU_align.W.PET	0.097525818	0.231119020
## RLNU_align.W.PET	0.086011883	0.204566554
## RP_align.W.PET	0.745957924	0.981918890
## LGRE_align.W.PET	0.468469998	0.514554566
## HGRE_align.W.PET	0.139820133	0.252840453
## LGSRE_align.W.PET	0.507441167	0.550228206
## HGSRE_align.W.PET	0.136431118	0.248888781
## LGHRE_align.W.PET	0.299758908	0.350861673
## HGLRE_align.W.PET	0.153557450	0.268422344
## GLNU_norm_align.W.PET	0.553300090	0.537449701
## RLNU_norm_align.W.PET	0.732968660	0.961939466
## GLVAR_align.W.PET	0.165571169	0.252888922
## RLVAR_align.W.PET	0.371082566	0.369614569
## Entropy_align.W.PET	0.640292657	0.887006078
## SZSE.W.PET	0.717174627	0.933320723
## LZSE.W.PET	0.108340614	0.137391414
## LGLZE.W.PET	0.502145382	0.537030437
## HGLZE.W.PET	0.142206642	0.256526674
## SZLGE.W.PET	0.601771696	0.608174552
## SZHGE.W.PET	0.131056294	0.245597169
## LZLGE.W.PET	-0.018360622	0.009233943
## LZHGE.W.PET	0.219861227	0.287831390
## GLNU_area.W.PET	0.101380383	0.239519055
## ZSNU.W.PET	0.072196920	0.195193774
## ZSP.W.PET	0.651334982	0.862050777
## GLNU_norm.W.PET	0.573186879	0.558118179
## ZSNU_norm.W.PET	0.656965263	0.858283716
## GLVAR_area.W.PET	0.172036312	0.256514138
## ZSVAR.W.PET	0.048003514	0.046899294
## Entropy_area.W.PET	0.671823747	0.924633785
## Min_hist.ADC	0.218083395	0.375696042
## Max_hist.ADC	0.659943979	0.843308549
## Mean_hist.ADC	0.620609466	0.860685195
## Variance_hist.ADC	0.299078758	0.432415158
## Standard_Deviation_hist.ADC	0.496596343	0.709921255
## Skewness_hist.ADC	0.249441187	0.215606687
## Kurtosis_hist.ADC	0.433751381	0.219147373
## Energy_hist.ADC	0.860590519	0.480837575
## Entropy_hist.ADC	0.688685295	0.925446164
## AUC_hist.ADC	0.767262095	0.961137616
## Volume.ADC	0.060094408	0.275200535
## X3D_surface.ADC	0.336573741	0.352335131
## ratio_3ds_vol.ADC	0.532698153	0.714600716

## ratio_3ds_vol_norm.ADC	0.669721726	0.921222745
## irregularity.ADC	0.716367775	0.974028397
## Compactness_v1.ADC	0.930953508	0.710434478
##	GLVAR_align.L.ADC	RLVAR_align.L.ADC
## Failure	0.229711656	-0.078455396
## Entropy_cooc.W.ADC	-0.098625526	0.126404326
## GLNU_align.H.PET	-0.174437572	0.131674656
## Min_hist.PET	0.255975242	0.307599540
## Max_hist.PET	0.214596900	0.396790593
## Mean_hist.PET	0.243081884	0.332245636
## Variance_hist.PET	0.104611534	0.198323933
## Standard_Deviation_hist.PET	0.227020140	0.399487739
## Skewness_hist.PET	0.292195405	0.420526350
## Kurtosis_hist.PET	0.045756345	0.213433025
## Energy_hist.PET	0.426438837	0.559022633
## Entropy_hist.PET	0.480222408	0.602322581
## AUC_hist.PET	0.586693273	0.708715025
## H_suv.PET	0.250914662	0.466346967
## Volume.PET	0.058017078	0.289797228
## X3D_surface.PET	0.064356537	0.265886315
## ratio_3ds_vol.PET	0.476302114	0.443307541
## ratio_3ds_vol_norm.PET	0.364432689	0.592128585
## irregularity.PET	0.622925863	0.622590716
## tumor_length.PET	0.274840978	0.559340390
## Compactness_v1.PET	0.421234399	0.649065428
## Compactness_v2.PET	0.034136054	0.070114870
## Spherical_disproportion.PET	0.364432689	0.592128585
## Sphericity.PET	0.020562329	0.010219429
## Asphericity.PET	0.352133727	0.581141797
## Center_of_mass.PET	0.213505192	0.369361824
## Max_3D_diam.PET	0.146023618	0.277979771
## Major_axis_length.PET	0.232458336	0.332999988
## Minor_axis_length.PET	0.219170786	0.560643481
## Least_axis_length.PET	0.146008544	0.461803179
## Elongation.PET	0.433669241	0.655817293
## Flatness.PET	0.360351543	0.594178683
## Max_cooc.L.PET	0.418359897	0.605512010
## Average_cooc.L.PET	0.590907046	0.469804157
## Variance_cooc.L.PET	0.556570225	0.311536751
## Entropy_cooc.L.PET	0.557300536	0.657855884
## DAVE_cooc.L.PET	0.556979461	0.421480619
## DVAR_cooc.L.PET	0.469678077	0.433755859
## DENT_cooc.L.PET	0.602946963	0.622023662
## SAVE_cooc.L.PET	0.590676122	0.469268379
## SVAR_cooc.L.PET	0.569762453	0.315231018
## SENT_cooc.L.PET	0.611729761	0.660286566
## ASM_cooc.L.PET	0.394155000	0.600205119
## Contrast_cooc.L.PET	0.460627084	0.263576161
## Dissimilarity_cooc.L.PET	0.556979461	0.421480619
## Inv_diff_cooc.L.PET	0.445247606	0.714548247
## Inv_diff_norm_cooc.L.PET	0.568570462	0.698184157
## IDM_cooc.L.PET	0.395650536	0.700300856
## IDM_norm_cooc.L.PET	0.578044450	0.692342837
## Inv_var_cooc.L.PET	0.396495249	0.713357220

## Correlation_cooc.L.PET	0.372415742	0.498296398
## Autocorrelation_cooc.L.PET	0.536263257	0.309371852
## Tendency_cooc.L.PET	0.569762453	0.315231018
## Shade_cooc.L.PET	0.266887269	0.138937535
## Prominence_cooc.L.PET	0.492740925	0.175476515
## IC1_.L.PET	-0.411505147	0.074581471
## IC2_.L.PET	0.650376610	0.546915173
## Coarseness_vdif_.L.PET	0.497541857	0.495030080
## Contrast_vdif_.L.PET	0.267409249	0.059337364
## Busyness_vdif_.L.PET	0.033972682	0.340623526
## Complexity_vdif_.L.PET	0.500379382	0.441798602
## Strength_vdif_.L.PET	0.372009320	0.077680943
## SRE_align.L.PET	0.594855120	0.682538284
## LRE_align.L.PET	0.561896684	0.688548099
## GLNU_align.L.PET	0.007762222	0.298945771
## RLNU_align.L.PET	0.007226864	0.240462161
## RP_align.L.PET	0.596076056	0.680792992
## LGRE_align.L.PET	0.399861033	0.581658098
## HGRE_align.L.PET	0.526773510	0.327437314
## LGSRE_align.L.PET	0.404581433	0.587232492
## HGSRE_align.L.PET	0.528024050	0.325752778
## LGHRE_align.L.PET	0.378473916	0.557293018
## HGLRE_align.L.PET	0.519550888	0.333282122
## GLNU_norm_align.L.PET	0.494254079	0.691310418
## RLNU_norm_align.L.PET	0.600178591	0.675190007
## GLVAR_align.L.PET	0.557771834	0.345136272
## RLVAR_align.L.PET	0.385862599	0.711283478
## Entropy_align.L.PET	0.568860649	0.658217379
## SZSE.L.PET	0.601827473	0.674140327
## LZSE.L.PET	0.315155366	0.479212048
## LGLZE.L.PET	0.404113456	0.595743587
## HGLZE.L.PET	0.529471375	0.333903012
## SZLGE.L.PET	0.420960279	0.611228101
## SZHGE.L.PET	0.535945216	0.337367983
## LZLGE.L.PET	0.283839391	0.464236271
## LZHGE.L.PET	0.387031978	0.254829305
## GLNU_area.L.PET	0.014528540	0.294965711
## ZSNU.L.PET	0.016028808	0.233256121
## ZSP.L.PET	0.609912346	0.666237588
## GLNU_norm.L.PET	0.493938240	0.693565175
## ZSNU_norm.L.PET	0.615116049	0.653051193
## GLVAR_area.L.PET	0.561158153	0.354954936
## ZSVAR.L.PET	0.137899384	0.454909416
## Entropy_area.L.PET	0.557337030	0.668430835
## Max_cooc.H.PET	0.359982058	0.209613792
## Average_cooc.H.PET	0.618273891	0.630147650
## Variance_cooc.H.PET	0.436241998	0.601137303
## Entropy_cooc.H.PET	0.460537084	0.556829227
## DAVE_cooc.H.PET	0.482873072	0.594949965
## DVAR_cooc.H.PET	0.499231013	0.576477610
## DENT_cooc.H.PET	0.377809773	0.525599841
## SAVE_cooc.H.PET	0.619947485	0.640428395
## SVAR_cooc.H.PET	0.454657543	0.590402241
## SENT_cooc.H.PET	0.400073426	0.604625627

## ASM_cooc.H.PET	0.371944658	0.239847195
## Contrast_cooc.H.PET	0.436034875	0.525311191
## Dissimilarity_cooc.H.PET	0.482873072	0.594949965
## Inv_diff_cooc.H.PET	0.513506492	0.457461143
## Inv_diff_norm_cooc.H.PET	0.595531282	0.683915302
## IDM_cooc.H.PET	0.467228489	0.383920745
## IDM_norm_cooc.H.PET	0.591030545	0.685350018
## Inv_var_cooc_.H.PET	0.420062333	0.670320817
## Correlation_cooc.H.PET	0.352797936	0.507149488
## Autocorrelation_cooc.H.PET	0.622811438	0.578539059
## Tendency_cooc.H.PET	0.397314054	0.588291146
## Shade_cooc.H.PET	-0.248253244	-0.264370263
## Prominence_cooc.H.PET	0.238578395	0.456020352
## IC1_d.H.PET	-0.027420968	0.126866365
## IC2_d.H.PET	0.446682291	0.557391185
## Coarseness_vdif.H.PET	0.404825075	0.579648517
## Contrast_vdif.H.PET	0.392279735	0.116902131
## Busyness_vdif.H.PET	-0.077024915	0.059676485
## Complexity_vdif.H.PET	0.470368259	0.539193861
## Strength_vdif.H.PET	0.126091607	-0.029011903
## SRE_align.H.PET	0.548431529	0.679220776
## LRE_align.H.PET	0.469786289	0.397759744
## RLNU_align.H.PET	0.024770245	0.239839241
## RP_align.H.PET	0.541815505	0.669218326
## LGRE_align.H.PET	0.403721370	0.608093382
## HGRE_align.H.PET	0.609609955	0.580976133
## LGSRE_align.H.PET	0.402886712	0.606678769
## HGSRE_align.H.PET	0.599024189	0.620612462
## LGHRE_align.H.PET	0.408184770	0.615429957
## HGLRE_align.H.PET	0.370970138	0.254694166
## GLNU_norm_align.H.PET	0.480598628	0.329525114
## RLNU_norm_align.H.PET	0.497870921	0.640567475
## GLVAR_align.H.PET	0.408087091	0.584910783
## RLVAR_align.H.PET	0.247281986	0.191136206
## Entropy_align.H.PET	0.447473094	0.640460646
## SZSE.H.PET	0.441497571	0.630998121
## LZSE.H.PET	0.010099381	-0.073872983
## LGLZE.H.PET	0.404729516	0.607252382
## HGLZE.H.PET	0.541969572	0.563246100
## SZLGE.H.PET	0.402765779	0.603781447
## SZHGE.H.PET	0.453160312	0.554286583
## LZLGE.H.PET	0.046668596	0.011838298
## LZHGE.H.PET	0.035236232	-0.059990304
## GLNU_area.H.PET	0.009620706	0.286290389
## ZSNU.H.PET	0.045890600	0.190675782
## ZSP.H.PET	0.332864269	0.491358576
## GLNU_norm.H.PET	0.490297289	0.341714344
## ZSNU_norm.H.PET	0.343194619	0.532396816
## GLVAR_area.H.PET	0.389431855	0.565724090
## ZSVAR_H.PET	0.015550615	-0.062022198
## Entropy_area.H.PET	0.489269545	0.677780587
## Max_cooc.W.PET	0.383932719	0.332546959
## Average_cooc.W.PET	0.235810291	0.371119210
## Variance_cooc.W.PET	0.112411003	0.193836228

## Entropy_cooc.W.PET	0.414706880	0.607988223
## DAVE_cooc.W.PET	0.250836713	0.376533048
## DVAR_cooc.W.PET	0.127607334	0.190286150
## DENT_cooc.W.PET	0.416774350	0.593609680
## SAVE_cooc.W.PET	0.235069217	0.369982989
## SVAR_cooc.W.PET	0.100411462	0.190701782
## SENT_cooc.W.PET	0.471880412	0.656540473
## ASM_cooc.W.PET	0.420366228	0.434744068
## Contrast_cooc.W.PET	0.133303430	0.183983765
## Dissimilarity_cooc.W.PET	0.250836713	0.376533048
## Inv_diff_cooc.W.PET	0.545578592	0.511819030
## Inv_diff_norm_cooc.W.PET	0.570833640	0.697184332
## IDM_cooc.W.PET	0.491801957	0.415971251
## IDM_norm_cooc.W.PET	0.578585249	0.692163504
## Inv_var_cooc.W.PET	0.521733286	0.479106106
## Correlation_cooc.W.PET	0.369149922	0.499928570
## Autocorrelation_cooc.W.PET	0.113369801	0.180385901
## Tendency_cooc.W.PET	0.100411462	0.190701782
## Shade_cooc.W.PET	0.016485223	0.083516739
## Prominence_cooc.W.PET	0.009851664	0.045387261
## IC1_d.W.PET	-0.051034908	0.167840618
## IC2_d.W.PET	0.517689187	0.579850569
## Coarseness_vdif.W.PET	0.497358266	0.421654435
## Contrast_vdif.W.PET	0.303263273	0.302262107
## Busyness_vdif.W.PET	0.170638046	0.102906824
## Complexity_vdif.W.PET	0.057121192	0.155175752
## Strength_vdif.W.PET	0.203988641	0.148232950
## SRE_align.W.PET	0.573294894	0.687690723
## LRE_align.W.PET	0.560676034	0.567667031
## GLNU_align.W.PET	-0.009221615	0.273536442
## RLNU_align.W.PET	0.015994706	0.243672777
## RP_align.W.PET	0.568517418	0.684750970
## LGRE_align.W.PET	0.434735823	0.327445129
## HGRE_align.W.PET	0.102384607	0.181176390
## LGSRE_align.W.PET	0.450782688	0.362207468
## HGSRE_align.W.PET	0.101604926	0.176724575
## LGHRE_align.W.PET	0.347668466	0.185923997
## HGLRE_align.W.PET	0.104259483	0.198895016
## GLNU_norm_align.W.PET	0.490366646	0.371566627
## RLNU_norm_align.W.PET	0.545526499	0.676775957
## GLVAR_align.W.PET	0.103245783	0.198201447
## RLVAR_align.W.PET	0.320780242	0.272408466
## Entropy_align.W.PET	0.448483579	0.640283710
## SZSE.W.PET	0.531854276	0.676631812
## LZSE.W.PET	0.154594362	0.054951091
## LGLZE.W.PET	0.434197879	0.364533003
## HGLZE.W.PET	0.104636908	0.182261012
## SZLGE.W.PET	0.456687675	0.463561046
## SZHGE.W.PET	0.106264055	0.168604644
## LZLGE.W.PET	0.103882115	-0.055898769
## LZHGE.W.PET	0.068326204	0.248423331
## GLNU_area.W.PET	0.001359480	0.287363304
## ZSNU.W.PET	0.034100116	0.223087419
## ZSP.W.PET	0.469368411	0.623304440

## GLNU_norm.W.PET	0.503928199	0.386877285	
## ZSNU_norm.W.PET	0.456251079	0.623218491	
## GLVAR_area.W.PET	0.102893856	0.203750463	
## ZSVAR.W.PET	0.093911350	0.014130184	
## Entropy_area.W.PET	0.482552187	0.665306811	
## Min_hist.ADC	0.590704970	0.052995964	
## Max_hist.ADC	0.399970693	0.755555816	
## Mean_hist.ADC	0.551906541	0.600924146	
## Variance_hist.ADC	0.377021918	0.395670835	
## Standard_Deviation_hist.ADC	0.504566869	0.548587750	
## Skewness_hist.ADC	0.140774492	0.243296968	
## Kurtosis_hist.ADC	-0.253513343	0.509339794	
## Energy_hist.ADC	0.451213904	0.572083319	
## Entropy_hist.ADC	0.425069230	0.721325293	
## AUC_hist.ADC	0.541414981	0.733312937	
## Volume.ADC	0.036665487	0.290384756	
## X3D_surface.ADC	-0.066437320	0.638440061	
## ratio_3ds_vol.ADC	0.783821272	0.201033506	
## ratio_3ds_vol_norm.ADC	0.489239809	0.679269401	
## irregularity.ADC	0.694765602	0.569868810	
## Compactness_v1.ADC	0.544322472	0.678232779	
##	Entropy_align.L.ADC	SZSE.L.ADC	LZSE.L.ADC
## Failure	0.004339297	0.016739915	-0.069823938
## Entropy_cooc.W.ADC	0.040371652	0.005360804	0.104826086
## GLNU_align.H.PET	-0.048421149	-0.058983361	0.049701221
## Min_hist.PET	0.535759620	0.529403967	0.410486334
## Max_hist.PET	0.547072976	0.532928273	0.500055878
## Mean_hist.PET	0.533552891	0.526878995	0.436791798
## Variance_hist.PET	0.265043302	0.259232480	0.251553222
## Standard_Deviation_hist.PET	0.534640613	0.528682417	0.483334249
## Skewness_hist.PET	0.536049888	0.521337658	0.439170264
## Kurtosis_hist.PET	0.160502961	0.127477744	0.194716375
## Energy_hist.PET	0.421116399	0.469201048	0.241009262
## Entropy_hist.PET	0.880334305	0.857491620	0.726178344
## AUC_hist.PET	0.987281081	0.989728505	0.783780448
## H_suv.PET	0.551066735	0.554716295	0.497340725
## Volume.PET	0.339292036	0.296380840	0.488949116
## X3D_surface.PET	0.229508071	0.209427490	0.270396394
## ratio_3ds_vol.PET	0.557055046	0.587271837	0.342855910
## ratio_3ds_vol_norm.PET	0.563131029	0.578312919	0.468357411
## irregularity.PET	0.965384616	0.970012422	0.712456086
## tumor_length.PET	0.600198858	0.582513108	0.572768253
## Compactness_v1.PET	0.529283951	0.566535139	0.382226683
## Compactness_v2.PET	0.239741024	0.218457803	0.258110530
## Spherical_disproportion.PET	0.563131029	0.578312919	0.468357411
## Sphericity.PET	0.244718848	0.215923976	0.272410527
## Asphericity.PET	0.541023511	0.556502525	0.451283670
## Center_of_mass.PET	0.379524978	0.355693446	0.406588748
## Max_3D_diam.PET	0.472469390	0.438206677	0.514761426
## Major_axis_length.PET	0.518559932	0.488167978	0.525598515
## Minor_axis_length.PET	0.655081296	0.630488577	0.675925746
## Least_axis_length.PET	0.556839221	0.530297250	0.614613099
## Elongation.PET	0.838858625	0.853010730	0.644903476
## Flatness.PET	0.778048852	0.789569179	0.623229259

## Max_cooc.L.PET	0.446060055	0.488583606	0.284675863
## Average_cooc.L.PET	0.808789268	0.825240361	0.561864476
## Variance_cooc.L.PET	0.643800187	0.668947960	0.375272517
## Entropy_cooc.L.PET	0.973282022	0.973701386	0.776283515
## DAVE_cooc.L.PET	0.750438545	0.773295479	0.492585422
## DVAR_cooc.L.PET	0.656594957	0.679363341	0.461317385
## DENT_cooc.L.PET	0.963515400	0.971085136	0.728125418
## SAVE_cooc.L.PET	0.808631352	0.825033406	0.561788856
## SVAR_cooc.L.PET	0.655412969	0.675774333	0.391482636
## SENT_cooc.L.PET	0.966001542	0.976722702	0.733982731
## ASM_cooc.L.PET	0.415704067	0.459853851	0.263742003
## Contrast_cooc.L.PET	0.538626717	0.567979052	0.298967442
## Dissimilarity_cooc.L.PET	0.750438545	0.773295479	0.492585422
## Inv_diff_cooc.L.PET	0.844767299	0.838558882	0.724176069
## Inv_diff_norm_cooc.L.PET	0.987451505	0.986019662	0.792821095
## IDM_cooc.L.PET	0.754009701	0.749809607	0.656395735
## IDM_norm_cooc.L.PET	0.991105201	0.990950136	0.789246330
## Inv_var_cooc.L.PET	0.758946579	0.752744541	0.668136839
## Correlation_cooc.L.PET	0.656992339	0.647302178	0.562044387
## Autocorrelation_cooc.L.PET	0.606534073	0.626382538	0.370816402
## Tendency_cooc.L.PET	0.655412969	0.675774333	0.391482636
## Shade_cooc.L.PET	0.324877598	0.328521248	0.183781153
## Prominence_cooc.L.PET	0.465011933	0.485072413	0.218015400
## IC1_.L.PET	-0.370123954	-0.384494153	-0.122362948
## IC2_.L.PET	0.892156416	0.915124073	0.596910462
## Coarseness_vdif_.L.PET	0.460794984	0.509015812	0.233898340
## Contrast_vdif_.L.PET	0.228380125	0.258888736	0.060605262
## Busyness_vdif_.L.PET	0.318450962	0.284386752	0.465876807
## Complexity_vdif_.L.PET	0.705266132	0.730178708	0.467866505
## Strength_vdif_.L.PET	0.299603999	0.321597053	0.086755056
## SRE_align.L.PET	0.992322292	0.994952786	0.776822287
## LRE_align.L.PET	0.984177969	0.983476859	0.790939959
## GLNU_align.L.PET	0.262468962	0.231047825	0.408239702
## RLNU_align.L.PET	0.238822198	0.211286581	0.364790747
## RP_align.L.PET	0.992047665	0.995016624	0.775090753
## LGRE_align.L.PET	0.617002217	0.626881628	0.478222395
## HGRE_align.L.PET	0.624442660	0.647772945	0.388046204
## LGSRE_align.L.PET	0.621361294	0.632155139	0.480228295
## HGSRE_align.L.PET	0.622970321	0.646453811	0.385442227
## LGHRE_align.L.PET	0.596240985	0.602546795	0.467759658
## HGLRE_align.L.PET	0.628449656	0.651136408	0.397653005
## GLNU_norm_align.L.PET	0.662103525	0.686570657	0.482944683
## RLNU_norm_align.L.PET	0.990329277	0.994464320	0.768710827
## GLVAR_align.L.PET	0.669925036	0.694556368	0.408784812
## RLVAR_align.L.PET	0.622412578	0.640725080	0.520226892
## Entropy_align.L.PET	0.977585084	0.979525363	0.775718967
## SZSE.L.PET	0.973020850	0.974145622	0.756101382
## LZSE.L.PET	0.677791065	0.679623384	0.577613930
## LGLZE.L.PET	0.628039976	0.638474789	0.490078827
## HGLZE.L.PET	0.633883396	0.657112838	0.395644367
## SZLGE.L.PET	0.637169117	0.649589572	0.492315139
## SZHGE.L.PET	0.630946676	0.652120752	0.391751303
## LZLGE.L.PET	0.499903665	0.498290349	0.412157312
## LZHGE.L.PET	0.510330607	0.536402963	0.330488364

## GLNU_area.L.PET	0.265368094	0.233386005	0.406834737
## ZSNU.L.PET	0.241858615	0.213270393	0.361487919
## ZSP.L.PET	0.979141158	0.981765670	0.753298362
## GLNU_norm.L.PET	0.662223136	0.687078880	0.482949311
## ZSNU_norm.L.PET	0.979707207	0.984709503	0.744908175
## GLVAR_area.L.PET	0.680253896	0.705231886	0.417810300
## ZSVAR.L.PET	0.432270177	0.428966979	0.442072277
## Entropy_area.L.PET	0.977691168	0.978300940	0.786019866
## Max_cooc.H.PET	0.311292205	0.330203011	0.128264983
## Average_cooc.H.PET	0.971693301	0.972772942	0.735169719
## Variance_cooc.H.PET	0.846919309	0.847305503	0.718579947
## Entropy_cooc.H.PET	0.827484684	0.828922643	0.693585923
## DAVE_cooc.H.PET	0.869681495	0.874009334	0.698148519
## DVAR_cooc.H.PET	0.848267959	0.853091192	0.670631020
## DENT_cooc.H.PET	0.781654509	0.755936881	0.643248274
## SAVE_cooc.H.PET	0.980325109	0.977189641	0.748159783
## SVAR_cooc.H.PET	0.848757675	0.833833227	0.691311255
## SENT_cooc.H.PET	0.675256156	0.691928697	0.531607305
## ASM_cooc.H.PET	0.291118917	0.318674047	0.110411591
## Contrast_cooc.H.PET	0.773921599	0.782908591	0.611401860
## Dissimilarity_cooc.H.PET	0.869681495	0.874009334	0.698148519
## Inv_diff_cooc.H.PET	0.674276259	0.684102177	0.459038210
## Inv_diff_norm_cooc.H.PET	0.989487094	0.991257973	0.774907985
## IDM_cooc.H.PET	0.570988652	0.582303032	0.366928753
## IDM_norm_cooc.H.PET	0.991997096	0.993382115	0.780340341
## Inv_var_cooc_.H.PET	0.571045770	0.601377258	0.429794695
## Correlation_cooc.H.PET	0.662291610	0.653529308	0.578074623
## Autocorrelation_cooc.H.PET	0.917040263	0.919094665	0.670919477
## Tendency_cooc.H.PET	0.810612899	0.806311660	0.712227865
## Shade_cooc.H.PET	-0.415247529	-0.416393890	-0.326289916
## Prominence_cooc.H.PET	0.595533958	0.590069891	0.562286954
## IC1_d.H.PET	-0.124066888	-0.106788927	-0.094799408
## IC2_d.H.PET	0.777340532	0.774460516	0.639566009
## Coarseness_vdif.H.PET	0.408467750	0.455786255	0.245541535
## Contrast_vdif.H.PET	0.298471267	0.314040235	0.126969640
## Busyness_vdif.H.PET	0.127975811	0.093757454	0.313590812
## Complexity_vdif.H.PET	0.644822284	0.674243478	0.428214963
## Strength_vdif.H.PET	0.014958607	0.040112712	-0.055207313
## SRE_align.H.PET	0.964685415	0.966053970	0.775257456
## LRE_align.H.PET	0.642772698	0.644743512	0.450429780
## RLNU_align.H.PET	0.239877856	0.211761317	0.360357635
## RP_align.H.PET	0.952866472	0.954650845	0.764727799
## LGRE_align.H.PET	0.433838709	0.477691359	0.278077402
## HGRE_align.H.PET	0.920486991	0.924029574	0.677092792
## LGSRE_align.H.PET	0.431406829	0.475331039	0.275772532
## HGSRE_align.H.PET	0.963092536	0.965072751	0.730459587
## LGHRE_align.H.PET	0.446798227	0.490358705	0.290003690
## HGLRE_align.H.PET	0.442207412	0.448515146	0.276396302
## GLNU_norm_align.H.PET	0.515433447	0.530816764	0.293027177
## RLNU_norm_align.H.PET	0.901498869	0.903661555	0.731301471
## GLVAR_align.H.PET	0.814696816	0.812733592	0.699822018
## RLVAR_align.H.PET	0.286515114	0.291083450	0.170506929
## Entropy_align.H.PET	0.894138498	0.888428838	0.761074236
## SZSE.H.PET	0.850587824	0.846098997	0.707199284

## LZSE.H.PET	-0.047195277	-0.055225290	-0.080993853
## LGLZE.H.PET	0.434851876	0.478457964	0.278463831
## HGLZE.H.PET	0.876315971	0.863968559	0.646505452
## SZLGE.H.PET	0.428635292	0.472254106	0.272238882
## SZHGE.H.PET	0.833450501	0.825489196	0.648207064
## LZLGE.H.PET	0.011227957	0.009950456	-0.033915380
## LZHGE.H.PET	-0.043125620	-0.043343005	-0.074648084
## GLNU_area.H.PET	0.274825181	0.242082178	0.426324821
## ZSNU.H.PET	0.214641321	0.187335185	0.305330225
## ZSP.H.PET	0.668653311	0.663616548	0.562747288
## GLNU_norm.H.PET	0.525736577	0.543833339	0.313926737
## ZSNU_norm.H.PET	0.718327127	0.716467404	0.599045863
## GLVAR_area.H.PET	0.795187271	0.791846724	0.674805410
## ZSVAR_H.PET	-0.045793993	-0.051669303	-0.072998861
## Entropy_area.H.PET	0.940821308	0.934692608	0.794023984
## Max_cooc.W.PET	0.337036095	0.371539891	0.157119439
## Average_cooc.W.PET	0.526238300	0.519712779	0.469394675
## Variance_cooc.W.PET	0.265185255	0.259886843	0.242942263
## Entropy_cooc.W.PET	0.850989883	0.845465779	0.729120201
## DAVE_cooc.W.PET	0.547111828	0.547314821	0.461162749
## DVAR_cooc.W.PET	0.296156069	0.295939087	0.245453009
## DENT_cooc.W.PET	0.835143754	0.831760097	0.703493926
## SAVE_cooc.W.PET	0.525532227	0.518912162	0.468983728
## SVAR_cooc.W.PET	0.241155666	0.233104027	0.234720442
## SENT_cooc.W.PET	0.886842744	0.887685439	0.737281311
## ASM_cooc.W.PET	0.366863397	0.408902029	0.181672651
## Contrast_cooc.W.PET	0.303914407	0.306240893	0.242456786
## Dissimilarity_cooc.W.PET	0.547111828	0.547314821	0.461162749
## Inv_diff_cooc.W.PET	0.752284090	0.761008586	0.531980306
## Inv_diff_norm_cooc.W.PET	0.987746130	0.986665960	0.791443259
## IDM_cooc.W.PET	0.620504759	0.631161164	0.411681452
## IDM_norm_cooc.W.PET	0.991202549	0.991203042	0.788888327
## Inv_var_cooc.W.PET	0.689506236	0.698597874	0.480203159
## Correlation_cooc.W.PET	0.656485728	0.646158526	0.563804367
## Autocorrelation_cooc.W.PET	0.265472085	0.256807225	0.253873587
## Tendency_cooc.W.PET	0.241155666	0.233104027	0.234720442
## Shade_cooc.W.PET	0.047959464	0.043793660	0.067093267
## Prominence_cooc.W.PET	0.017747186	0.013671099	0.036043247
## IC1_d.W.PET	-0.144983285	-0.125703786	-0.093546155
## IC2_d.W.PET	0.841447929	0.846550706	0.652125006
## Coarseness_vdif.W.PET	0.433313264	0.482418730	0.195146160
## Contrast_vdif.W.PET	0.475514349	0.495310732	0.316029835
## Busyness_vdif.W.PET	0.244044649	0.231783658	0.209069345
## Complexity_vdif.W.PET	0.174121510	0.166547832	0.191263426
## Strength_vdif.W.PET	0.258924812	0.252122369	0.162590082
## SRE_align.W.PET	0.985518240	0.987002438	0.784140138
## LRE_align.W.PET	0.864644496	0.868428567	0.645562111
## GLNU_align.W.PET	0.267082164	0.236918567	0.402190605
## RLNU_align.W.PET	0.239567118	0.211835768	0.364439936
## RP_align.W.PET	0.981115816	0.982699959	0.781525362
## LGRE_align.W.PET	0.497092594	0.509851222	0.292025019
## HGRE_align.W.PET	0.266322119	0.259140205	0.257445339
## LGSRE_align.W.PET	0.531967864	0.545146004	0.324112687
## HGSRE_align.W.PET	0.262154946	0.255103863	0.252457275

## LGHRE_align.W.PET	0.338181550	0.348161933	0.158193723
## HGLRE_align.W.PET	0.282549702	0.275032604	0.277466153
## GLNU_norm_align.W.PET	0.512277357	0.533873173	0.287436652
## RLNU_norm_align.W.PET	0.961191796	0.962766718	0.773029864
## GLVAR_align.W.PET	0.264831625	0.258835851	0.252405602
## RLVAR_align.W.PET	0.357902798	0.369788639	0.214653399
## Entropy_align.W.PET	0.896148972	0.890976483	0.762044621
## SZSE.W.PET	0.937585416	0.935154360	0.759590614
## LZSE.W.PET	0.127131381	0.137603618	0.054313404
## LGLZE.W.PET	0.519345918	0.532322374	0.326233882
## HGLZE.W.PET	0.269878839	0.262570035	0.259133098
## SZLGE.W.PET	0.590714290	0.603584173	0.402609581
## SZHGE.W.PET	0.259080327	0.251453367	0.242910899
## LZLGE.W.PET	0.006672066	0.011098218	-0.073271195
## LZHGE.W.PET	0.288815055	0.292525588	0.329673092
## GLNU_area.W.PET	0.278421372	0.246131009	0.422034535
## ZSNU.W.PET	0.230900674	0.202628674	0.340074656
## ZSP.W.PET	0.867753847	0.864039089	0.709814002
## GLNU_norm.W.PET	0.532089265	0.554243265	0.304512107
## ZSNU_norm.W.PET	0.861089326	0.859734161	0.707054934
## GLVAR_area.W.PET	0.268104349	0.262418751	0.256113771
## ZSVAR.W.PET	0.040234654	0.047682676	-0.001243467
## Entropy_area.W.PET	0.933183000	0.928284323	0.786772690
## Min_hist.ADC	0.349498446	0.367907197	0.141169509
## Max_hist.ADC	0.877435550	0.848837685	0.816139821
## Mean_hist.ADC	0.869789181	0.859222216	0.684664147
## Variance_hist.ADC	0.496323424	0.437449543	0.354444877
## Standard_Deviation_hist.ADC	0.758973701	0.714241200	0.566450136
## Skewness_hist.ADC	0.199918419	0.216924963	0.330366790
## Kurtosis_hist.ADC	0.186819853	0.219851414	0.542158670
## Energy_hist.ADC	0.427259040	0.478670374	0.252658038
## Entropy_hist.ADC	0.950881001	0.929849022	0.798093654
## AUC_hist.ADC	0.962572397	0.964187391	0.826791957
## Volume.ADC	0.326015622	0.282811128	0.485269150
## X3D_surface.ADC	0.418300343	0.368071738	0.660551765
## ratio_3ds_vol.ADC	0.651013299	0.703013038	0.283133822
## ratio_3ds_vol_norm.ADC	0.935126755	0.921891258	0.821708436
## irregularity.ADC	0.953138292	0.972196830	0.688005530
## Compactness_v1.ADC	0.668293343	0.710131989	0.440074555
##	LGLZE.L.ADC	HGLZE.L.ADC	SZLGE.L.ADC
## Failure	0.0658068245	-0.056775786	0.0729493291
## Entropy_cooc.W.ADC	-0.0067300984	-0.032327849	-0.0177617351
## GLNU_align.H.PET	0.0712921742	-0.112617248	0.0621749074
## Min_hist.PET	0.0980195364	0.385289827	0.0976684542
## Max_hist.PET	0.1144226516	0.353569913	0.1123797938
## Mean_hist.PET	0.0948001113	0.352808464	0.0941844600
## Variance_hist.PET	0.0290625412	0.109710059	0.0288198449
## Standard_Deviation_hist.PET	0.1330431414	0.345111553	0.1324041130
## Skewness_hist.PET	0.2998835494	0.463229990	0.2983340884
## Kurtosis_hist.PET	0.1339511713	0.109214908	0.1334503179
## Energy_hist.PET	0.9540162994	0.320862192	0.9615457501
## Entropy_hist.PET	0.3131657894	0.602137450	0.3051253034
## AUC_hist.PET	0.5111147442	0.706110079	0.5087737275
## H_suv.PET	0.2151403188	0.376238078	0.2183408697

## Volume.PET	-0.1203829457	0.062474511	-0.1310910433
## X3D_surface.PET	0.1396104444	0.118852546	0.1306546730
## ratio_3ds_vol.PET	0.6239244607	0.516336794	0.6318570809
## ratio_3ds_vol_norm.PET	0.6336259060	0.405711880	0.6342714655
## irregularity.PET	0.4798496762	0.734177517	0.4789662743
## tumor_length.PET	0.3536535336	0.367513149	0.3444012569
## Compactness_v1.PET	0.8940969811	0.330782549	0.8986719558
## Compactness_v2.PET	-0.2424547485	0.099818342	-0.2475716776
## Spherical_disproportion.PET	0.6336259060	0.405711880	0.6342714655
## Sphericity.PET	-0.3827699873	0.108135289	-0.3886724497
## Asphericity.PET	0.6311899375	0.389669368	0.6319292967
## Center_of_mass.PET	0.2008304634	0.223149738	0.1928102635
## Max_3D_diam.PET	-0.1243938845	0.227684989	-0.1333836102
## Major_axis_length.PET	0.0162280496	0.242538409	0.0072807846
## Minor_axis_length.PET	0.1655424643	0.379978365	0.1563977412
## Least_axis_length.PET	0.0466752175	0.287071116	0.0370876791
## Elongation.PET	0.4860198220	0.666967607	0.4857462885
## Flatness.PET	0.3817541152	0.576162626	0.3803434358
## Max_cooc.L.PET	0.9666689199	0.307978186	0.9732229409
## Average_cooc.L.PET	0.3767440143	0.565149110	0.3790336957
## Variance_cooc.L.PET	0.3346249435	0.529763620	0.3391793007
## Entropy_cooc.L.PET	0.3921831945	0.680315612	0.3894391371
## DAVE_cooc.L.PET	0.3643780205	0.619727585	0.3690192554
## DVAR_cooc.L.PET	0.3747533833	0.586552169	0.3823700342
## DENT_cooc.L.PET	0.4268146738	0.719046160	0.4268405209
## SAVE_cooc.L.PET	0.3757071936	0.565048359	0.3779897716
## SVAR_cooc.L.PET	0.3298196289	0.497699491	0.3326309490
## SENT_cooc.L.PET	0.5118003933	0.709690314	0.5115786221
## ASM_cooc.L.PET	0.9689123747	0.286300488	0.9753703386
## Contrast_cooc.L.PET	0.2969402742	0.509337006	0.3036481707
## Dissimilarity_cooc.L.PET	0.3643780205	0.619727585	0.3690192554
## Inv_diff_cooc.L.PET	0.5497942591	0.573695412	0.5448321171
## Inv_diff_norm_cooc.L.PET	0.4713201977	0.702322431	0.4682445641
## IDM_cooc.L.PET	0.5989972518	0.507525999	0.5944006863
## IDM_norm_cooc.L.PET	0.4692518391	0.708238388	0.4665766564
## Inv_var_cooc.L.PET	0.5971370448	0.508004158	0.5921704525
## Correlation_cooc.L.PET	0.3569219721	0.374183343	0.3478638485
## Autocorrelation_cooc.L.PET	0.3197088760	0.400060054	0.3239963927
## Tendency_cooc.L.PET	0.3298196289	0.497699491	0.3326309490
## Shade_cooc.L.PET	0.1320777148	0.307857712	0.1312014346
## Prominence_cooc.L.PET	0.2628285010	0.395627290	0.2671224151
## IC1_.L.PET	0.0016392680	-0.396025963	0.0001079436
## IC2_.L.PET	0.5501778265	0.701585208	0.5504588942
## Coarseness_vdif_.L.PET	0.9055954148	0.361441766	0.9140192600
## Contrast_vdif_.L.PET	0.2054888757	0.333856978	0.2119157327
## Busyness_vdif_.L.PET	-0.0226315500	0.153113973	-0.0313724364
## Complexity_vdif_.L.PET	0.4114379424	0.639358297	0.4171665989
## Strength_vdif_.L.PET	0.3027602452	0.364343248	0.3099127222
## SRE_align.L.PET	0.4751322888	0.718084954	0.4732897785
## LRE_align.L.PET	0.4576773297	0.709157142	0.4546040041
## GLNU_align.L.PET	-0.0072314446	0.116111006	-0.0167178480
## RLNU_align.L.PET	-0.0545714093	0.089659485	-0.0646751593
## RP_align.L.PET	0.4751404345	0.719134698	0.4733973814
## LGRE_align.L.PET	0.6471623686	0.512615945	0.6479628946

## HGRE_align.L.PET	0.3285969699	0.424488424	0.3332351338
## LGSRE_align.L.PET	0.6570395023	0.515254292	0.6580027081
## HGSRE_align.L.PET	0.3297855842	0.424757700	0.3345133680
## LGHRE_align.L.PET	0.6062541445	0.498528595	0.6064158810
## HGLRE_align.L.PET	0.3225453169	0.422452424	0.3267738116
## GLNU_norm_align.L.PET	0.8816607575	0.493207188	0.8854216294
## RLNU_norm_align.L.PET	0.4761263909	0.721260031	0.4746951508
## GLVAR_align.L.PET	0.3411000391	0.524152444	0.3452259586
## RLVAR_align.L.PET	0.8145321845	0.404341110	0.8136121153
## Entropy_align.L.PET	0.4090661648	0.684626166	0.4063779167
## SZSE.L.PET	0.4812322583	0.687696592	0.4795229304
## LZSE.L.PET	0.2826477264	0.531579452	0.2794862493
## LGLZE.L.PET	0.6590800478	0.521916002	0.6599889611
## HGLZE.L.PET	0.3298140716	0.435091573	0.3344740344
## SZLGE.L.PET	0.6897604443	0.521233722	0.6910427508
## SZHGE.L.PET	0.3367867287	0.426834389	0.3413653495
## LZLGE.L.PET	0.4729470414	0.428245498	0.4710656215
## LZHGE.L.PET	0.2363235973	0.372526758	0.2398787305
## GLNU_area.L.PET	-0.0121345530	0.113465481	-0.0218143944
## ZSNU.L.PET	-0.0639184040	0.085941221	-0.0739278005
## ZSP.L.PET	0.4785393781	0.700153109	0.4771862284
## GLNU_norm.L.PET	0.8855833481	0.491867823	0.8892488919
## ZSNU_norm.L.PET	0.4788832805	0.710686060	0.4779702361
## GLVAR_area.L.PET	0.3486204109	0.530866930	0.3527577184
## ZSVAR.L.PET	0.3349085386	0.303369213	0.3302344503
## Entropy_area.L.PET	0.4062010783	0.682824971	0.4031504638
## Max_cooc.H.PET	0.4512951329	0.195056495	0.4500576407
## Average_cooc.H.PET	0.4574273694	0.706189966	0.4549344486
## Variance_cooc.H.PET	0.3153304144	0.599217348	0.3152470907
## Entropy_cooc.H.PET	0.2621980522	0.615325730	0.2631630006
## DAVE_cooc.H.PET	0.3369141006	0.671899688	0.3395085927
## DVAR_cooc.H.PET	0.3542009906	0.616680704	0.3578244997
## DENT_cooc.H.PET	0.2218764480	0.573242948	0.2133741261
## SAVE_cooc.H.PET	0.4421418756	0.721500494	0.4382971292
## SVAR_cooc.H.PET	0.3502597808	0.571114530	0.3439553294
## SENT_cooc.H.PET	0.5664107987	0.539404757	0.5693374490
## ASM_cooc.H.PET	0.5381732764	0.146741568	0.5386538096
## Contrast_cooc.H.PET	0.2994351044	0.601877435	0.3041796016
## Dissimilarity_cooc.H.PET	0.3369141006	0.671899688	0.3395085927
## Inv_diff_cooc.H.PET	0.5152336817	0.436149485	0.5110809901
## Inv_diff_norm_cooc.H.PET	0.4880909252	0.706678152	0.4852531862
## IDM_cooc.H.PET	0.4898382527	0.360720105	0.4859776233
## IDM_norm_cooc.H.PET	0.4777760820	0.713305957	0.4751795967
## Inv_var_cooc.H.PET	0.8588367305	0.403387825	0.8635122104
## Correlation_cooc.H.PET	0.3515656786	0.380396418	0.3425997781
## Autocorrelation_cooc.H.PET	0.4648330265	0.658061428	0.4619546539
## Tendency_cooc.H.PET	0.2955917349	0.544195374	0.2929069656
## Shade_cooc.H.PET	-0.1619420387	-0.324603077	-0.1637451814
## Prominence_cooc.H.PET	0.1723029769	0.379902488	0.1697589830
## IC1_d.H.PET	0.2982379390	-0.047256387	0.3105815180
## IC2_d.H.PET	0.3987932684	0.517714840	0.3916532649
## Coarseness_vdif.H.PET	0.9647773245	0.290513854	0.9719506287
## Contrast_vdif.H.PET	0.3124186231	0.171109348	0.3165410914
## Busyness_vdif.H.PET	-0.3892084654	0.041744988	-0.3935644610

## Complexity_vdif.H.PET	0.6411644154	0.562835973	0.6482334470
## Strength_vdif.H.PET	0.1268987466	0.016486913	0.1306749764
## SRE_align.H.PET	0.4361441334	0.715266220	0.4355295325
## LRE_align.H.PET	0.3783469764	0.416570118	0.3707543982
## RLNU_align.H.PET	-0.0440212830	0.077497159	-0.0536656068
## RP_align.H.PET	0.4285271210	0.709475746	0.4283540277
## LGRE_align.H.PET	0.9636649154	0.283661637	0.9701311011
## HGRE_align.H.PET	0.4603223056	0.654403627	0.4574862792
## LGSRE_align.H.PET	0.9636853899	0.282294824	0.9701895333
## HGSRE_align.H.PET	0.4426987148	0.715718024	0.4412591213
## LGHRE_align.H.PET	0.9644154671	0.291049376	0.9705608360
## HGLRE_align.H.PET	0.3027101329	0.258334219	0.2969256056
## GLNU_norm_align.H.PET	0.4936798901	0.349599558	0.4926920012
## RLNU_norm_align.H.PET	0.3916765603	0.684459150	0.3924259425
## GLVAR_align.H.PET	0.2919421868	0.569389127	0.2914210329
## RLVAR_align.H.PET	0.2672185662	0.152934431	0.2596535653
## Entropy_align.H.PET	0.3211774410	0.613538779	0.3176104622
## SZSE.H.PET	0.3580282221	0.630837078	0.3577164460
## LZSE.H.PET	-0.0246738740	-0.049482838	-0.0337944777
## LGLZE.H.PET	0.9619329685	0.282738017	0.9683812462
## HGLZE.H.PET	0.3907301864	0.654021273	0.3845558081
## SZLGE.H.PET	0.9625818779	0.278550678	0.9690793291
## SZHGE.H.PET	0.3145582486	0.665634706	0.3137695252
## LZLGE.H.PET	0.1124546242	-0.018993159	0.1035075735
## LZHGE.H.PET	0.0179016839	-0.057564663	0.0109123717
## GLNU_area.H.PET	-0.0681676092	0.127218975	-0.0770785563
## ZSNU.H.PET	-0.0495707396	0.039822354	-0.0585090501
## ZSP.H.PET	0.2319271239	0.509682713	0.2342313994
## GLNU_norm.H.PET	0.4973360710	0.352093141	0.4973144432
## ZSNU_norm.H.PET	0.2794858869	0.547364130	0.2806584591
## GLVAR_area.H.PET	0.2800944108	0.544548606	0.2792206669
## ZSVAR.H.PET	0.0009914463	-0.055414635	-0.0076985802
## Entropy_area.H.PET	0.3692969172	0.645460344	0.3650419697
## Max_cooc.W.PET	0.6540997996	0.207201190	0.6564795833
## Average_cooc.W.PET	0.1094461980	0.308569815	0.1086775156
## Variance_cooc.W.PET	0.0366921788	0.125072820	0.0369610228
## Entropy_cooc.W.PET	0.2787119809	0.608250168	0.2769458416
## DAVE_cooc.W.PET	0.1286806137	0.396291898	0.1306084853
## DVAR_cooc.W.PET	0.0248997086	0.181489721	0.0272441220
## DENT_cooc.W.PET	0.2847845246	0.622539044	0.2846201761
## SAVE_cooc.W.PET	0.1074814489	0.308079480	0.1066991745
## SVAR_cooc.W.PET	0.0400687336	0.094851909	0.0394260280
## SENT_cooc.W.PET	0.4040151453	0.652500884	0.4031518605
## ASM_cooc.W.PET	0.8184308853	0.214386199	0.8224761350
## Contrast_cooc.W.PET	0.0233527532	0.192688331	0.0259760862
## Dissimilarity_cooc.W.PET	0.1286806137	0.396291898	0.1306084853
## Inv_diff_cooc.W.PET	0.5263594913	0.509701294	0.5228318540
## Inv_diff_norm_cooc.W.PET	0.4735010570	0.703178163	0.4704690043
## IDM_cooc.W.PET	0.5001007307	0.401784633	0.4965169683
## IDM_norm_cooc.W.PET	0.4700384410	0.709374800	0.4673974209
## Inv_var_cooc.W.PET	0.5284198427	0.466321822	0.5250583877
## Correlation_cooc.W.PET	0.3540188085	0.372890133	0.3449622993
## Autocorrelation_cooc.W.PET	0.0027771937	0.071567932	0.0018950730
## Tendency_cooc.W.PET	0.0400687336	0.094851909	0.0394260280

## Shade_cooc.W.PET	0.0381388496	0.004766951	0.0386686354
## Prominence_cooc.W.PET	0.0118319348	-0.038646324	0.0122121358
## IC1_d.W.PET	0.3664323771	-0.102399266	0.3770185924
## IC2_d.W.PET	0.4519795437	0.607106904	0.4473040403
## Coarseness_vdif.W.PET	0.8377085811	0.362994992	0.8464617682
## Contrast_vdif.W.PET	0.2444927233	0.394976367	0.2508192686
## Busyness_vdif.W.PET	-0.0233588871	0.089872947	-0.0327227440
## Complexity_vdif.W.PET	0.0226898839	0.044929074	0.0223968977
## Strength_vdif.W.PET	0.1684593798	0.268490544	0.1736774897
## SRE_align.W.PET	0.4574013832	0.721990765	0.4559837878
## LRE_align.W.PET	0.4562361918	0.589901700	0.4512216910
## GLNU_align.W.PET	-0.0567011733	0.139729242	-0.0668495582
## RLNU_align.W.PET	-0.0450552786	0.084718518	-0.0549066736
## RP_align.W.PET	0.4523114994	0.721529543	0.4511608003
## LGRE_align.W.PET	0.4651457915	0.373064678	0.4631765643
## HGRE_align.W.PET	-0.0058718627	0.076098183	-0.0066384411
## LGSRE_align.W.PET	0.4904862841	0.410537690	0.4890581444
## HGSRE_align.W.PET	-0.0076557071	0.074246627	-0.0082961708
## LGHRE_align.W.PET	0.3444044043	0.218250535	0.3401083586
## HGLRE_align.W.PET	0.0011748216	0.084252910	-0.0001289238
## GLNU_norm_align.W.PET	0.5873459157	0.347977949	0.5876800805
## RLNU_norm_align.W.PET	0.4318498821	0.717439973	0.4313035696
## GLVAR_align.W.PET	0.0267261381	0.109962512	0.0264819248
## RLVAR_align.W.PET	0.4051733860	0.192042683	0.3995689309
## Entropy_align.W.PET	0.3190635160	0.622232082	0.3160120418
## SZSE.W.PET	0.4287694051	0.687714829	0.4279010990
## LZSE.W.PET	0.1487245015	0.062164234	0.1437285461
## LGLZE.W.PET	0.4862314213	0.378902247	0.4844773376
## HGLZE.W.PET	-0.0050296902	0.082817252	-0.0056230139
## SZLGE.W.PET	0.5567366614	0.450913908	0.5562182221
## SZHGE.W.PET	-0.0088347475	0.077256133	-0.0090522983
## LZLGE.W.PET	0.0657970475	-0.028589928	0.0598209053
## LZHGE.W.PET	0.0480218010	0.131625135	0.0456192856
## GLNU_area.W.PET	-0.0612927936	0.138601809	-0.0708862177
## ZSNU.W.PET	-0.0452955587	0.067225082	-0.0547065479
## ZSP.W.PET	0.3586260820	0.649464521	0.3589328377
## GLNU_norm.W.PET	0.6050862218	0.354241738	0.6057538517
## ZSNU_norm.W.PET	0.3615084381	0.663848787	0.3620865255
## GLVAR_area.W.PET	0.0309102040	0.115085390	0.0308006432
## ZSVAR.W.PET	0.1073622692	0.004643408	0.1022682353
## Entropy_area.W.PET	0.3535448782	0.642245491	0.3495216777
## Min_hist.ADC	0.2311686648	0.227644889	0.2412094572
## Max_hist.ADC	0.3704167200	0.572384762	0.3620309990
## Mean_hist.ADC	0.3515701524	0.831258874	0.3536413148
## Variance_hist.ADC	0.3336036482	0.262382307	0.3147168447
## Standard_Deviation_hist.ADC	0.4061392576	0.482155105	0.3912742336
## Skewness_hist.ADC	0.1361172498	-0.369509582	0.1413101872
## Kurtosis_hist.ADC	0.0622125440	0.198539430	0.0660035923
## Energy_hist.ADC	0.9738422703	0.295238872	0.9813725705
## Entropy_hist.ADC	0.3829966349	0.649263177	0.3755858810
## AUC_hist.ADC	0.4667200000	0.611374089	0.4661362912
## Volume.ADC	-0.1295728771	0.058464717	-0.1400535644
## X3D_surface.ADC	0.1087747779	0.085703388	0.0920329644
## ratio_3ds_vol.ADC	0.5207384066	0.594055126	0.5303856708

## ratio_3ds_vol_norm.ADC	0.3723120893	0.672969314	0.3675970175
## irregularity.ADC	0.4889722849	0.703900171	0.4906229500
## Compactness_v1.ADC	0.9237453750	0.465820623	0.9292597632
##	SZHGE.L.ADC	LZLGE.L.ADC	LZHGE.L.ADC
## Failure	-0.045288564	-0.0035122156	-0.099748611
## Entropy_cooc.W.ADC	-0.044969425	0.1000768824	0.028262709
## GLNU_align.H.PET	-0.124280633	0.1454149176	-0.043537593
## Min_hist.PET	0.389814858	0.0764788472	0.324216814
## Max_hist.PET	0.351054745	0.1090674934	0.333031328
## Mean_hist.PET	0.356575954	0.0790135072	0.301025734
## Variance_hist.PET	0.111554654	0.0197236714	0.093839629
## Standard_Deviation_hist.PET	0.344284627	0.1170683478	0.317342833
## Skewness_hist.PET	0.449559168	0.2710981664	0.467246270
## Kurtosis_hist.PET	0.090104682	0.1227290954	0.168814940
## Energy_hist.PET	0.336123331	0.8148640207	0.221583123
## Entropy_hist.PET	0.600624417	0.3338166430	0.546358743
## AUC_hist.PET	0.712377553	0.4726462441	0.617998337
## H_suv.PET	0.377840550	0.1616245628	0.330777877
## Volume.PET	0.052639792	-0.0326516804	0.133156501
## X3D_surface.PET	0.113150783	0.1864824154	0.147448039
## ratio_3ds_vol.PET	0.523344875	0.4965397700	0.430437690
## ratio_3ds_vol_norm.PET	0.403625903	0.5667572329	0.377743964
## irregularity.PET	0.742525048	0.4249825509	0.630807163
## tumor_length.PET	0.360495921	0.3911428287	0.374479155
## Compactness_v1.PET	0.341787335	0.7816599720	0.255624109
## Compactness_v2.PET	0.096187961	-0.1870465506	0.123547218
## Spherical_disproportion.PET	0.403625903	0.5667572329	0.377743964
## Sphericity.PET	0.105474455	-0.3103917096	0.124738162
## Asphericity.PET	0.387349435	0.5642840092	0.364088241
## Center_of_mass.PET	0.216386488	0.2307376823	0.252944351
## Max_3D_diam.PET	0.221742106	-0.0489939912	0.253362747
## Major_axis_length.PET	0.239693145	0.0780707988	0.253083773
## Minor_axis_length.PET	0.370958723	0.2075238605	0.398054480
## Least_axis_length.PET	0.280207110	0.1042345288	0.312776043
## Elongation.PET	0.670631320	0.4245410331	0.580054667
## Flatness.PET	0.583842629	0.3406014705	0.489791853
## Max_cooc.L.PET	0.319020440	0.8332965670	0.228089183
## Average_cooc.L.PET	0.584818138	0.3118727082	0.434505893
## Variance_cooc.L.PET	0.549876868	0.2517203606	0.394255787
## Entropy_cooc.L.PET	0.686603333	0.3616474185	0.595072498
## DAVE_cooc.L.PET	0.638539906	0.2794213794	0.480171977
## DVAR_cooc.L.PET	0.599042162	0.2692798381	0.484015997
## DENT_cooc.L.PET	0.729368321	0.3702854616	0.610182325
## SAVE_cooc.L.PET	0.584711352	0.3109715183	0.434447916
## SVAR_cooc.L.PET	0.515309816	0.2592906130	0.378518785
## SENT_cooc.L.PET	0.719620858	0.4507781087	0.603083823
## ASM_cooc.L.PET	0.297540421	0.8371228533	0.207366440
## Contrast_cooc.L.PET	0.530716046	0.2055748281	0.366152293
## Dissimilarity_cooc.L.PET	0.638539906	0.2794213794	0.480171977
## Inv_diff_cooc.L.PET	0.571114384	0.5302027673	0.535198482
## Inv_diff_norm_cooc.L.PET	0.706678636	0.4370925428	0.622343060
## IDM_cooc.L.PET	0.503830885	0.5753750636	0.479035230
## IDM_norm_cooc.L.PET	0.713511528	0.4316662342	0.623635856
## Inv_var_cooc.L.PET	0.502495668	0.5765201436	0.488464551

## Correlation_cooc.L.PET	0.370926240	0.3841774550	0.365931351
## Autocorrelation_cooc.L.PET	0.422885131	0.2477200027	0.272121883
## Tendency_cooc.L.PET	0.515309816	0.2592906130	0.378518785
## Shade_cooc.L.PET	0.300847311	0.1097843541	0.295962511
## Prominence_cooc.L.PET	0.408248954	0.1883667833	0.300957882
## IC1_.L.PET	-0.416546550	0.0318468828	-0.267848798
## IC2_.L.PET	0.717610646	0.4805955463	0.564712759
## Coarseness_vdif_.L.PET	0.379588140	0.7573856530	0.244964216
## Contrast_vdif_.L.PET	0.358778800	0.1319652198	0.197020169
## Busyness_vdif_.L.PET	0.142693431	0.0376967304	0.215503649
## Complexity_vdif_.L.PET	0.655472634	0.3141445333	0.506902865
## Strength_vdif_.L.PET	0.377039480	0.2073069567	0.268329445
## SRE_align.L.PET	0.725105665	0.4301338804	0.624509169
## LRE_align.L.PET	0.714035245	0.4246239630	0.626303789
## GLNU_align.L.PET	0.104582468	0.0595186675	0.188003240
## RLNU_align.L.PET	0.082469228	0.0194154746	0.141842034
## RP_align.L.PET	0.726312809	0.4292653537	0.624663424
## LGRE_align.L.PET	0.510964774	0.5772196136	0.464935077
## HGRE_align.L.PET	0.448507449	0.2530365876	0.287727271
## LGSRE_align.L.PET	0.513959162	0.5847921082	0.465848173
## HGSRE_align.L.PET	0.448804607	0.2534222845	0.287783297
## LGHRE_align.L.PET	0.495485459	0.5458667216	0.457959087
## HGLRE_align.L.PET	0.446260999	0.2507780714	0.287025596
## GLNU_norm_align.L.PET	0.499289639	0.7701710420	0.416408118
## RLNU_norm_align.L.PET	0.728960529	0.4275728804	0.623992209
## GLVAR_align.L.PET	0.544949499	0.2622460303	0.388378785
## RLVAR_align.L.PET	0.406826528	0.7510973921	0.358580167
## Entropy_align.L.PET	0.692008463	0.3769152150	0.594841254
## SZSE.L.PET	0.694964713	0.4354512018	0.596399092
## LZSE.L.PET	0.532045982	0.2700695940	0.480669594
## LGLZE.L.PET	0.520651646	0.5864125390	0.473858117
## HGLZE.L.PET	0.458761020	0.2537182997	0.298821402
## SZLGE.L.PET	0.521411937	0.6110783348	0.469009477
## SZHGE.L.PET	0.449749408	0.2610216480	0.294723336
## LZLGE.L.PET	0.421264176	0.4440385434	0.407955863
## LZHGE.L.PET	0.393624840	0.1774392869	0.251020165
## GLNU_area.L.PET	0.102534934	0.0560230205	0.182673913
## ZSNU.L.PET	0.079366223	0.0102411203	0.134842859
## ZSP.L.PET	0.708247586	0.4295858336	0.603473460
## GLNU_norm.L.PET	0.498157458	0.7742703112	0.414416088
## ZSNU_norm.L.PET	0.719684124	0.4257136425	0.607552632
## GLVAR_area.L.PET	0.551514405	0.2689108263	0.395377862
## ZSVAR.L.PET	0.296465164	0.3392362431	0.306173252
## Entropy_area.L.PET	0.689019007	0.3775275061	0.598986478
## Max_cooc.H.PET	0.205512695	0.4084405221	0.133716908
## Average_cooc.H.PET	0.714175942	0.4163062676	0.609860739
## Variance_cooc.H.PET	0.604359249	0.2782831397	0.527073968
## Entropy_cooc.H.PET	0.618450229	0.2235843407	0.553918535
## DAVE_cooc.H.PET	0.679515799	0.2753545384	0.575797381
## DVAR_cooc.H.PET	0.626650238	0.2832894569	0.516682142
## DENT_cooc.H.PET	0.567154295	0.2577874112	0.538328906
## SAVE_cooc.H.PET	0.727629311	0.4169768192	0.628204016
## SVAR_cooc.H.PET	0.573015328	0.3529487143	0.507913625
## SENT_cooc.H.PET	0.541948433	0.4884093557	0.469809813

## ASM_cooc.H.PET	0.160811617	0.4760769535	0.074969139
## Contrast_cooc.H.PET	0.611820854	0.2274728857	0.499259823
## Dissimilarity_cooc.H.PET	0.679515799	0.2753545384	0.575797381
## Inv_diff_cooc.H.PET	0.446168569	0.4858135875	0.357858949
## Inv_diff_norm_cooc.H.PET	0.713110570	0.4492161720	0.617479263
## IDM_cooc.H.PET	0.371141559	0.4618898493	0.287402355
## IDM_norm_cooc.H.PET	0.719540828	0.4381554332	0.624172963
## Inv_var_cooc_.H.PET	0.408007045	0.7470658463	0.340875267
## Correlation_cooc.H.PET	0.377270630	0.3805929046	0.372592126
## Autocorrelation_cooc.H.PET	0.667052077	0.4248625749	0.563025608
## Tendency_cooc.H.PET	0.546282373	0.2807353947	0.494972008
## Shade_cooc.H.PET	-0.332526864	-0.1423934976	-0.263311274
## Prominence_cooc.H.PET	0.380318545	0.1735348835	0.352212281
## IC1_d.H.PET	-0.046344574	0.1836295811	-0.049473231
## IC2_d.H.PET	0.519080652	0.4068074713	0.470865007
## Coarseness_vdif.H.PET	0.303063794	0.8273809055	0.204910990
## Contrast_vdif.H.PET	0.192469932	0.2396245112	0.079418496
## Busyness_vdif.H.PET	0.034988059	-0.3186521749	0.091499795
## Complexity_vdif.H.PET	0.575208461	0.5228829378	0.444289815
## Strength_vdif.H.PET	0.025537682	0.0824094783	-0.020701945
## SRE_align.H.PET	0.720397315	0.3869150344	0.628776586
## LRE_align.H.PET	0.425287216	0.3914945679	0.346150454
## RLNU_align.H.PET	0.071046856	0.0229449283	0.128811250
## RP_align.H.PET	0.714895172	0.3766159834	0.621793123
## LGRE_align.H.PET	0.295719519	0.8325345779	0.201499276
## HGRE_align.H.PET	0.664087660	0.4208284250	0.554808801
## LGSRE_align.H.PET	0.294351699	0.8322911023	0.200203171
## HGSRE_align.H.PET	0.723612336	0.3948929916	0.615922802
## LGHRE_align.H.PET	0.303115648	0.8355947215	0.208417335
## HGLRE_align.H.PET	0.267377955	0.3080030643	0.200196515
## GLNU_norm_align.H.PET	0.362777738	0.4406573019	0.263603619
## RLNU_norm_align.H.PET	0.688998338	0.3377527073	0.601075515
## GLVAR_align.H.PET	0.573159801	0.2628624103	0.504836590
## RLVAR_align.H.PET	0.157832061	0.2978550367	0.119184129
## Entropy_align.H.PET	0.614634895	0.3084613045	0.555227552
## SZSE.H.PET	0.630250184	0.3200595693	0.570999710
## LZSE.H.PET	-0.048917332	0.0666966883	-0.054981124
## LGLZE.H.PET	0.294890211	0.8311686097	0.200142122
## HGLZE.H.PET	0.656165357	0.3793340431	0.569052553
## SZLGE.H.PET	0.290634740	0.8315550717	0.196435744
## SZHGE.H.PET	0.665644441	0.2824618349	0.592703533
## LZLGE.H.PET	-0.017089091	0.2047026385	-0.031307869
## LZHGE.H.PET	-0.054822818	0.0796273488	-0.062279528
## GLNU_area.H.PET	0.117043938	-0.0005294084	0.192179733
## ZSNU.H.PET	0.035970938	0.0116364691	0.080234522
## ZSP.H.PET	0.507893892	0.1881994978	0.463023920
## GLNU_norm.H.PET	0.366037425	0.4365552625	0.270628760
## ZSNU_norm.H.PET	0.545400745	0.2402507026	0.495309729
## GLVAR_area.H.PET	0.548220159	0.2551864574	0.477016651
## ZSVAR_H.PET	-0.054255102	0.0890514641	-0.057474447
## Entropy_area.H.PET	0.647795494	0.3542420033	0.581149569
## Max_cooc.W.PET	0.220185927	0.5702438201	0.135310529
## Average_cooc.W.PET	0.310694885	0.0992179700	0.272464714
## Variance_cooc.W.PET	0.126683381	0.0220114166	0.107258387

## Entropy_cooc.W.PET	0.608900363	0.2557436209	0.551087045
## DAVE_cooc.W.PET	0.397830761	0.0932853081	0.346089805
## DVAR_cooc.W.PET	0.184410753	-0.0038283182	0.144574164
## DENT_cooc.W.PET	0.623233275	0.2483682168	0.560729466
## SAVE_cooc.W.PET	0.310181385	0.0975218863	0.272127922
## SVAR_cooc.W.PET	0.095538174	0.0319971233	0.087867690
## SENT_cooc.W.PET	0.654560449	0.3625179652	0.582648653
## ASM_cooc.W.PET	0.229236009	0.7103721680	0.130740857
## Contrast_cooc.W.PET	0.196560656	-0.0071554566	0.148206924
## Dissimilarity_cooc.W.PET	0.397830761	0.0932853081	0.346089805
## Inv_diff_cooc.W.PET	0.520307638	0.4913897908	0.423066955
## Inv_diff_norm_cooc.W.PET	0.707773055	0.4386453966	0.622199528
## IDM_cooc.W.PET	0.413026352	0.4692786486	0.322189911
## IDM_norm_cooc.W.PET	0.714755001	0.4321228740	0.624281159
## Inv_var_cooc.W.PET	0.476687742	0.4944585608	0.385631898
## Correlation_cooc.W.PET	0.369160736	0.3816359397	0.366360570
## Autocorrelation_cooc.W.PET	0.075022440	0.0036358861	0.054161311
## Tendency_cooc.W.PET	0.095538174	0.0319971233	0.087867690
## Shade_cooc.W.PET	0.004792760	0.0236516937	0.011817535
## Prominence_cooc.W.PET	-0.035692885	0.0023289502	-0.040505845
## IC1_d.W.PET	-0.100126518	0.2614644626	-0.098662185
## IC2_d.W.PET	0.610805613	0.4345866905	0.533541657
## Coarseness_vdif.W.PET	0.385779220	0.6919939418	0.229053810
## Contrast_vdif.W.PET	0.405448575	0.1654084419	0.296262675
## Busyness_vdif.W.PET	0.095064670	0.0431796971	0.074240650
## Complexity_vdif.W.PET	0.046555843	0.0139625770	0.040720538
## Strength_vdif.W.PET	0.261422646	0.1074007718	0.254391163
## SRE_align.W.PET	0.727790725	0.4116555586	0.632919635
## LRE_align.W.PET	0.598313073	0.4377774079	0.503239426
## GLNU_align.W.PET	0.128963752	0.0246216724	0.198568330
## RLNU_align.W.PET	0.077723932	0.0247833203	0.137715430
## RP_align.W.PET	0.727315194	0.4050043242	0.632250210
## LGRE_align.W.PET	0.382413585	0.4221056852	0.297405603
## HGRE_align.W.PET	0.079604801	-0.0050649989	0.057291005
## LGSRE_align.W.PET	0.419756773	0.4408472629	0.332158037
## HGSRE_align.W.PET	0.077770582	-0.0077043182	0.055281608
## LGHRE_align.W.PET	0.227046135	0.3329832293	0.157900962
## HGLRE_align.W.PET	0.087666360	0.0057450916	0.066165292
## GLNU_norm_align.W.PET	0.361474482	0.5177701982	0.259229297
## RLNU_norm_align.W.PET	0.722400621	0.3827486186	0.631286343
## GLVAR_align.W.PET	0.111702064	0.0176977629	0.094643357
## RLVAR_align.W.PET	0.199590180	0.4071250855	0.144667734
## Entropy_align.W.PET	0.623825942	0.3019158555	0.561390794
## SZSE.W.PET	0.690942645	0.3840172772	0.611961589
## LZSE.W.PET	0.066877190	0.1732355705	0.047391715
## LGLZE.W.PET	0.387223174	0.4384809747	0.311892077
## HGLZE.W.PET	0.085989400	-0.0058022460	0.064632673
## SZLGE.W.PET	0.456448521	0.4940069306	0.389544568
## SZHGE.W.PET	0.080422329	-0.0123567033	0.058877115
## LZLGE.W.PET	-0.023204094	0.1078365796	-0.052511049
## LZHGE.W.PET	0.132779362	0.0567893269	0.132938605
## GLNU_area.W.PET	0.127936527	0.0133509673	0.200678921
## ZSNU.W.PET	0.061614597	0.0196025817	0.114980236
## ZSP.W.PET	0.652107891	0.3129208507	0.575501221

## GLNU_norm.W.PET	0.368549062	0.5311512182	0.263963946
## ZSNU_norm.W.PET	0.665122924	0.3135200354	0.594517493
## GLVAR_area.W.PET	0.116492596	0.0206655047	0.100740304
## ZSVAR.W.PET	0.006983130	0.1400774102	0.006788371
## Entropy_area.W.PET	0.644523338	0.3394154646	0.577774016
## Min_hist.ADC	0.242526768	0.1121230600	0.177734925
## Max_hist.ADC	0.562087093	0.4000676739	0.568241650
## Mean_hist.ADC	0.824794787	0.2870667537	0.787551107
## Variance_hist.ADC	0.265517722	0.4525190657	0.186429893
## Standard_Deviation_hist.ADC	0.487578739	0.4803989578	0.381722065
## Skewness_hist.ADC	-0.353746985	0.0835408143	-0.347070163
## Kurtosis_hist.ADC	0.160085522	0.0370731017	0.417458370
## Energy_hist.ADC	0.310482750	0.8321060787	0.200572963
## Entropy_hist.ADC	0.645344591	0.3927615084	0.601380749
## AUC_hist.ADC	0.618571298	0.4160175254	0.538150474
## Volume.ADC	0.047720335	-0.0430136654	0.134153255
## X3D_surface.ADC	0.059504994	0.2408237731	0.216930955
## ratio_3ds_vol.ADC	0.632189794	0.3813977305	0.368831643
## ratio_3ds_vol_norm.ADC	0.673403579	0.3654173515	0.619105256
## irregularity.ADC	0.723624814	0.4150650350	0.560359061
## Compactness_v1.ADC	0.479992266	0.7933500908	0.357410539
##	GLNU_area.L.ADC	ZSNU.L.ADC	ZSP.L.ADC
## Failure	-0.1617292256	-0.1709267730	0.028901300
## Entropy_cooc.W.ADC	0.2452856524	0.2703199632	-0.009623678
## GLNU_align.H.PET	0.1501342590	0.1743190155	-0.070319466
## Min_hist.PET	0.2780717029	0.2811676402	0.523363271
## Max_hist.PET	0.3306003127	0.3067663801	0.516522579
## Mean_hist.PET	0.3022162397	0.2872596122	0.517492497
## Variance_hist.PET	0.2189941179	0.1687128861	0.249801697
## Standard_Deviation_hist.PET	0.3223554628	0.2838791745	0.513803455
## Skewness_hist.PET	0.1903142268	0.2209099297	0.511122634
## Kurtosis_hist.PET	0.0733810828	0.0947461142	0.114783182
## Energy_hist.PET	0.0611520071	0.0877858147	0.479324441
## Entropy_hist.PET	0.3808436091	0.4201749165	0.840292697
## AUC_hist.PET	0.3514619784	0.3643669161	0.976961256
## H_suv.PET	0.3533166012	0.3061380295	0.540620743
## Volume.PET	0.3231564676	0.3333205488	0.263095625
## X3D_surface.PET	0.2211898456	0.2524286962	0.195386464
## ratio_3ds_vol.PET	0.0460705647	0.0504493841	0.593365493
## ratio_3ds_vol_norm.PET	0.2743982062	0.2560978556	0.569204586
## irregularity.PET	0.2550964762	0.2708275666	0.963623768
## tumor_length.PET	0.3845410333	0.3898306255	0.561778896
## Compactness_v1.PET	0.1780183118	0.1982361373	0.567984504
## Compactness_v2.PET	0.1645817573	0.1443514378	0.206036360
## Spherical_disproportion.PET	0.2743982062	0.2560978556	0.569204586
## Sphericity.PET	0.1582283693	0.1399096696	0.201594955
## Asphericity.PET	0.2683465478	0.2494603176	0.547648612
## Center_of_mass.PET	0.2928885409	0.2943857721	0.336398264
## Max_3D_diam.PET	0.3246142396	0.3121265660	0.413081925
## Major_axis_length.PET	0.3386352810	0.3342541321	0.466015860
## Minor_axis_length.PET	0.4657669937	0.4562456523	0.602000460
## Least_axis_length.PET	0.4369246125	0.4208676794	0.501351833
## Elongation.PET	0.3238547567	0.3343622453	0.845894632
## Flatness.PET	0.3368020125	0.3396985034	0.780751863

## Max_cooc.L.PET	0.0963321190	0.1236981046	0.494920199
## Average_cooc.L.PET	0.1910084210	0.1846794893	0.825924069
## Variance_cooc.L.PET	0.0482703245	0.0500432318	0.679317271
## Entropy_cooc.L.PET	0.3601294029	0.3639873043	0.960417330
## DAVE_cooc.L.PET	0.1151248681	0.1196927040	0.778135910
## DVAR_cooc.L.PET	0.0551542388	0.0480401830	0.681360480
## DENT_cooc.L.PET	0.2864899689	0.2935152543	0.963444917
## SAVE_cooc.L.PET	0.1909638986	0.1845993231	0.825708766
## SVAR_cooc.L.PET	0.0716050933	0.0728259896	0.684600114
## SENT_cooc.L.PET	0.3010538210	0.3097271140	0.968663090
## ASM_cooc.L.PET	0.1022160840	0.1294363736	0.466432934
## Contrast_cooc.L.PET	0.0046860229	0.0070887694	0.579402660
## Dissimilarity_cooc.L.PET	0.1151248681	0.1196927040	0.778135910
## Inv_diff_cooc.L.PET	0.3672216250	0.3809954900	0.820291344
## Inv_diff_norm_cooc.L.PET	0.3564789612	0.3662997587	0.971689306
## IDM_cooc.L.PET	0.3401000217	0.3559121063	0.732466593
## IDM_norm_cooc.L.PET	0.3488070742	0.3584117356	0.977481053
## Inv_var_cooc.L.PET	0.3576161697	0.3737266517	0.734050560
## Correlation_cooc.L.PET	0.3198463437	0.3242140922	0.632314757
## Autocorrelation_cooc.L.PET	0.0850270928	0.0759092575	0.633915559
## Tendency_cooc.L.PET	0.0716050933	0.0728259896	0.684600114
## Shade_cooc.L.PET	0.0761773145	0.0903003289	0.332638498
## Prominence_cooc.L.PET	-0.0095579325	-0.0040922087	0.498982512
## IC1_.L.PET	0.1433729471	0.1482367794	-0.401223969
## IC2_.L.PET	0.1771971502	0.1878845103	0.918462097
## Coarseness_vdif_.L.PET	-0.0015545132	0.0244510098	0.523025143
## Contrast_vdif_.L.PET	-0.1010265856	-0.1000363438	0.273823817
## Busyness_vdif_.L.PET	0.3198406813	0.3238390128	0.253527790
## Complexity_vdif_.L.PET	0.1120652590	0.1208560883	0.734178217
## Strength_vdif_.L.PET	-0.1734726143	-0.1579980030	0.337437634
## SRE_align.L.PET	0.3316356562	0.3413697360	0.983359910
## LRE_align.L.PET	0.3490562684	0.3568144012	0.969221108
## GLNU_align.L.PET	0.2701998584	0.2690670885	0.202784121
## RLNU_align.L.PET	0.2895144984	0.2887482634	0.186251890
## RP_align.L.PET	0.3296497543	0.3395020594	0.983633335
## LGRE_align.L.PET	0.1468115070	0.1791504004	0.620888443
## HGRE_align.L.PET	0.1042623486	0.0940947361	0.655041763
## LGSRE_align.L.PET	0.1487134853	0.1810312255	0.626342033
## HGSRE_align.L.PET	0.1008532101	0.0911001769	0.653927662
## LGHRE_align.L.PET	0.1386463098	0.1708655265	0.595862832
## HGLRE_align.L.PET	0.1182095602	0.1061908795	0.657515083
## GLNU_norm_align.L.PET	0.1747179085	0.2061471286	0.685274770
## RLNU_norm_align.L.PET	0.3227253333	0.3328201651	0.983793276
## GLVAR_align.L.PET	0.0857113711	0.0838075433	0.703076212
## RLVAR_align.L.PET	0.2666440943	0.2818406228	0.631233496
## Entropy_align.L.PET	0.3549162731	0.3573557094	0.966804587
## SZSE.L.PET	0.3262440483	0.3377678683	0.963407567
## LZSE.L.PET	0.2502324452	0.2444439565	0.665659001
## LGLZE.L.PET	0.1508472358	0.1826470653	0.631962095
## HGLZE.L.PET	0.1056102618	0.0952768658	0.664195545
## SZLGE.L.PET	0.1561495941	0.1889144552	0.643692975
## SZHGE.L.PET	0.1033713529	0.0951887232	0.659258333
## LZLGE.L.PET	0.1178402867	0.1470226054	0.489636064
## LZHGE.L.PET	0.1024114639	0.0816104999	0.541095837

## GLNU_area.L.PET	0.2762677331	0.2774019953	0.205479854
## ZSNU.L.PET	0.2928129283	0.2948680342	0.188809109
## ZSP.L.PET	0.3183050986	0.3314472043	0.971969754
## GLNU_norm.L.PET	0.1769672479	0.2085827758	0.685814873
## ZSNU_norm.L.PET	0.3054077405	0.3186922570	0.976035983
## GLVAR_area.L.PET	0.0867624555	0.0841835452	0.713459735
## ZSVAR.L.PET	0.2336485652	0.2130835625	0.410644682
## Entropy_area.L.PET	0.3644815811	0.3655106013	0.964231943
## Max_cooc.H.PET	-0.0580816623	-0.0206025697	0.342185242
## Average_cooc.H.PET	0.2720218276	0.2897427855	0.964354725
## Variance_cooc.H.PET	0.3653803910	0.3495176323	0.830747174
## Entropy_cooc.H.PET	0.3223981931	0.2929609799	0.814893778
## DAVE_cooc.H.PET	0.3073136290	0.3047326355	0.862285855
## DVAR_cooc.H.PET	0.2859632276	0.2799764574	0.843217123
## DENT_cooc.H.PET	0.3507620181	0.3860132273	0.739759710
## SAVE_cooc.H.PET	0.3093851157	0.3294590132	0.967650902
## SVAR_cooc.H.PET	0.4089879085	0.4394017941	0.818537991
## SENT_cooc.H.PET	0.2802534418	0.2779215158	0.684343603
## ASM_cooc.H.PET	-0.0475584098	-0.0135147415	0.332377458
## Contrast_cooc.H.PET	0.2660062600	0.2596539943	0.774554774
## Dissimilarity_cooc.H.PET	0.3073136290	0.3047326355	0.862285855
## Inv_diff_cooc.H.PET	0.1305394965	0.1638499247	0.685350806
## Inv_diff_norm_cooc.H.PET	0.3312234946	0.3426947906	0.979541190
## IDM_cooc.H.PET	0.0786307813	0.1152385090	0.586322199
## IDM_norm_cooc.H.PET	0.3356911654	0.3461131890	0.981177192
## Inv_var_cooc.H.PET	0.2313186975	0.2390718667	0.599057243
## Correlation_cooc.H.PET	0.3220854207	0.3209598092	0.636989159
## Autocorrelation_cooc.H.PET	0.2163303643	0.2394673172	0.914000623
## Tendency_cooc.H.PET	0.3863960890	0.3668092738	0.786799929
## Shade_cooc.H.PET	-0.0725354752	-0.0707317958	-0.411318361
## Prominence_cooc.H.PET	0.3603517717	0.3306784716	0.570842160
## IC1_d.H.PET	-0.0786920446	-0.0722896366	-0.104246993
## IC2_d.H.PET	0.3413911825	0.3378398867	0.760999487
## Coarseness_vdif.H.PET	0.0825305908	0.1083487832	0.464287001
## Contrast_vdif.H.PET	-0.1062458932	-0.0981223391	0.325033753
## Busyness_vdif.H.PET	0.2207433062	0.1943387863	0.064680584
## Complexity_vdif.H.PET	0.1397284710	0.1578635396	0.678031052
## Strength_vdif.H.PET	-0.0971186113	-0.0972442111	0.051267266
## SRE_align.H.PET	0.3489320824	0.3507658002	0.952167102
## LRE_align.H.PET	0.1358751939	0.1682945916	0.644185418
## RLNU_align.H.PET	0.2892128074	0.2865142497	0.187294323
## RP_align.H.PET	0.3448875888	0.3451895852	0.941092791
## LGRE_align.H.PET	0.1213797455	0.1444540926	0.484081797
## HGRE_align.H.PET	0.2381640139	0.2613987230	0.918676985
## LGSRE_align.H.PET	0.1200053429	0.1431455907	0.481802923
## HGSRE_align.H.PET	0.2763449359	0.2933073488	0.956418859
## LGHRE_align.H.PET	0.1284966544	0.1516785339	0.496371401
## HGLRE_align.H.PET	0.0687529383	0.0960432159	0.453052553
## GLNU_norm_align.H.PET	-0.0002452917	0.0411535396	0.539547962
## RLNU_norm_align.H.PET	0.3407409706	0.3358326530	0.889936070
## GLVAR_align.H.PET	0.3735698006	0.3565060928	0.795458114
## RLVAR_align.H.PET	0.0514409449	0.0831228125	0.295228484
## Entropy_align.H.PET	0.4154597284	0.4028849607	0.869938518
## SZSE.H.PET	0.3657571997	0.3607754645	0.830562793

## LZSE.H.PET	-0.0200226408	-0.0007167027	-0.049265182
## LGLZE.H.PET	0.1219706175	0.1446152327	0.484868508
## HGLZE.H.PET	0.2632004596	0.3064464491	0.856730971
## SZLGE.H.PET	0.1180634515	0.1414052596	0.478916810
## SZHGE.H.PET	0.2936635724	0.3074660225	0.815297647
## LZLGE.H.PET	0.0055958532	0.0260501057	0.015375700
## LZHGE.H.PET	-0.0402958804	-0.0278840295	-0.036906206
## GLNU_area.H.PET	0.2949370011	0.2961169401	0.212452228
## ZSNU.H.PET	0.2677912837	0.2685421009	0.167568783
## ZSP.H.PET	0.3057188941	0.2925273874	0.650511373
## GLNU_norm.H.PET	-0.0061947202	0.0262300271	0.551288504
## ZSNU_norm.H.PET	0.3337770271	0.3227392042	0.703373422
## GLVAR_area.H.PET	0.3760312489	0.3639001449	0.775749106
## ZSVAR.H.PET	-0.0276362543	-0.0115471829	-0.046438077
## Entropy_area.H.PET	0.4104466577	0.4070772527	0.915891804
## Max_cooc.W.PET	-0.0214705593	0.0123093184	0.383615285
## Average_cooc.W.PET	0.3128123436	0.2714199153	0.505820831
## Variance_cooc.W.PET	0.2027036967	0.1563363058	0.251611685
## Entropy_cooc.W.PET	0.3945201491	0.3784364924	0.827242913
## DAVE_cooc.W.PET	0.2705402955	0.2406179470	0.537084559
## DVAR_cooc.W.PET	0.1850798808	0.1437965101	0.290754507
## DENT_cooc.W.PET	0.3633307659	0.3491593774	0.815481008
## SAVE_cooc.W.PET	0.3126748031	0.2712182479	0.505002782
## SVAR_cooc.W.PET	0.2075963913	0.1596221772	0.223372821
## SENT_cooc.W.PET	0.3768622478	0.3676417085	0.871762049
## ASM_cooc.W.PET	0.0128042702	0.0454543644	0.421443005
## Contrast_cooc.W.PET	0.1716627256	0.1336098475	0.302508387
## Dissimilarity_cooc.W.PET	0.2705402955	0.2406179470	0.537084559
## Inv_diff_cooc.W.PET	0.1623535245	0.1965281491	0.759711150
## Inv_diff_norm_cooc.W.PET	0.3536701567	0.3635905821	0.972564295
## IDM_cooc.W.PET	0.0971651617	0.1346656748	0.633725273
## IDM_norm_cooc.W.PET	0.3476939083	0.3572581032	0.977801847
## Inv_var_cooc.W.PET	0.1346618641	0.1706859558	0.698332169
## Correlation_cooc.W.PET	0.3241966960	0.3283713872	0.630847531
## Autocorrelation_cooc.W.PET	0.2293772663	0.1744180182	0.246818127
## Tendency_cooc.W.PET	0.2075963913	0.1596221772	0.223372821
## Shade_cooc.W.PET	0.0845740224	0.0514020349	0.038441800
## Prominence_cooc.W.PET	0.0607165011	0.0250199089	0.009230402
## IC1_d.W.PET	-0.0498438067	-0.0360224447	-0.124746501
## IC2_d.W.PET	0.3133004835	0.3109530579	0.837735161
## Coarseness_vdif.W.PET	-0.0394557103	-0.0164741575	0.499141716
## Contrast_vdif.W.PET	0.1176263328	0.1027673412	0.498588670
## Busyness_vdif.W.PET	0.0845307780	0.1095573423	0.227548898
## Complexity_vdif.W.PET	0.1702227902	0.1154182824	0.156889414
## Strength_vdif.W.PET	-0.0443793920	-0.0472491317	0.252469562
## SRE_align.W.PET	0.3450623807	0.3506928234	0.973829736
## LRE_align.W.PET	0.2504769164	0.2729793037	0.862495405
## GLNU_align.W.PET	0.2712105047	0.2786801229	0.209528948
## RLNU_align.W.PET	0.2881195821	0.2859587236	0.186912886
## RP_align.W.PET	0.3452330948	0.3498494008	0.969475523
## LGRE_align.W.PET	0.0036408047	0.0493217654	0.516668159
## HGRE_align.W.PET	0.2373160549	0.1810318507	0.249031735
## LGSRE_align.W.PET	0.0162377748	0.0614413119	0.550932927
## HGSRE_align.W.PET	0.2327471909	0.1767969503	0.245271071

## LGHRE_align.W.PET	-0.0355664401	0.0088125319	0.358180850
## HGLRE_align.W.PET	0.2550049118	0.1973305399	0.263784661
## GLNU_norm_align.W.PET	0.0033069722	0.0449042157	0.543536217
## RLNU_norm_align.W.PET	0.3481896745	0.3490210030	0.948896301
## GLVAR_align.W.PET	0.2197804520	0.1691936781	0.249252907
## RLVAR_align.W.PET	0.0515547704	0.0840930194	0.375070330
## Entropy_align.W.PET	0.4103712425	0.3976193855	0.872573469
## SZSE.W.PET	0.3586390944	0.3604183525	0.920642879
## LZSE.W.PET	-0.0429459100	-0.0316007375	0.143211459
## LGLZE.W.PET	0.0194969362	0.0624600303	0.536698060
## HGLZE.W.PET	0.2314191173	0.1758779440	0.252528815
## SZLGE.W.PET	0.0681443377	0.1094004588	0.604358959
## SZHGE.W.PET	0.2142629077	0.1613288482	0.242497613
## LZLGE.W.PET	-0.0741949206	-0.0522593307	0.022014710
## LZHGE.W.PET	0.2632209865	0.1896932638	0.276101100
## GLNU_area.W.PET	0.2898055523	0.2950736745	0.217228445
## ZSNU.W.PET	0.2796553628	0.2805843606	0.179930160
## ZSP.W.PET	0.3545806426	0.3523502375	0.849671422
## GLNU_norm.W.PET	0.0057397398	0.0453219989	0.563511401
## ZSNU_norm.W.PET	0.3503226875	0.3453295355	0.845218092
## GLVAR_area.W.PET	0.2173959549	0.1664082779	0.252627777
## ZSVAR.W.PET	-0.0592392653	-0.0512737141	0.052556789
## Entropy_area.W.PET	0.4087552990	0.4012670413	0.909985074
## Min_hist.ADC	-0.2707946510	-0.2999518145	0.383961540
## Max_hist.ADC	0.5313283439	0.5325600474	0.818720650
## Mean_hist.ADC	0.2211565870	0.2272750088	0.846996392
## Variance_hist.ADC	0.3815829157	0.4913525575	0.428549694
## Standard_Deviation_hist.ADC	0.4212940030	0.5046558617	0.702815033
## Skewness_hist.ADC	0.1860672489	0.1020838474	0.195241962
## Kurtosis_hist.ADC	0.3001395343	0.1323359508	0.171325332
## Energy_hist.ADC	0.0690026453	0.0919528093	0.488564517
## Entropy_hist.ADC	0.4767894278	0.5025151515	0.909190396
## AUC_hist.ADC	0.4027004604	0.3907548556	0.944092183
## Volume.ADC	0.3290843734	0.3392723636	0.248404978
## X3D_surface.ADC	0.8207153830	0.8167137474	0.317351831
## ratio_3ds_vol.ADC	-0.1944039710	-0.1830184455	0.729548176
## ratio_3ds_vol_norm.ADC	0.3903480697	0.4079160559	0.898602486
## irregularity.ADC	0.1690959520	0.1714190294	0.970134199
## Compactness_v1.ADC	0.1670616091	0.1841218408	0.716220933
##	GLNU_norm.L.ADC	ZSNU_norm.L.ADC	GLVAR_area.L.ADC
## Failure	0.005924277	0.03665388	0.228766373
## Entropy_cooc.W.ADC	0.003774600	-0.02278913	-0.095708078
## GLNU_align.H.PET	0.047173133	-0.08057433	-0.175111020
## Min_hist.PET	0.309781075	0.51892327	0.258998397
## Max_hist.PET	0.345876945	0.50684172	0.219265905
## Mean_hist.PET	0.315809342	0.51264717	0.246445187
## Variance_hist.PET	0.159521780	0.24921330	0.105731177
## Standard_Deviation_hist.PET	0.365621551	0.50633782	0.231239220
## Skewness_hist.PET	0.443242106	0.49348338	0.299784597
## Kurtosis_hist.PET	0.162736806	0.09400741	0.049555431
## Energy_hist.PET	0.858690840	0.48837656	0.431271403
## Entropy_hist.PET	0.565786513	0.82541790	0.489557819
## AUC_hist.PET	0.777017823	0.96735082	0.598049377
## H_suv.PET	0.451700879	0.53337646	0.255002397

## Volume.PET	0.049643693	0.25363076	0.062129303
## X3D_surface.PET	0.184073104	0.18913529	0.065402415
## ratio_3ds_vol.PET	0.678428392	0.59431479	0.487126076
## ratio_3ds_vol_norm.PET	0.720825531	0.56027291	0.375912903
## irregularity.PET	0.725843147	0.95717130	0.633841759
## tumor_length.PET	0.511773497	0.54681310	0.282180136
## Compactness_v1.PET	0.872180995	0.57167361	0.426390203
## Compactness_v2.PET	-0.071483898	0.19936907	0.035121495
## Spherical_disproportion.PET	0.720825531	0.56027291	0.375912903
## Sphericity.PET	-0.177216636	0.19455599	0.020817220
## Asphericity.PET	0.710497815	0.53889335	0.363442888
## Center_of_mass.PET	0.288151951	0.32992381	0.217534725
## Max_3D_diam.PET	0.103378165	0.40267888	0.151003608
## Major_axis_length.PET	0.206650166	0.45867956	0.237822386
## Minor_axis_length.PET	0.424354984	0.58321242	0.227344048
## Least_axis_length.PET	0.295603396	0.48743431	0.151208904
## Elongation.PET	0.735859098	0.83172743	0.444306550
## Flatness.PET	0.638099523	0.77060198	0.367130889
## Max_cooc.L.PET	0.883216173	0.49999536	0.424135287
## Average_cooc.L.PET	0.582888547	0.82906291	0.599471602
## Variance_cooc.L.PET	0.476212405	0.68648593	0.562101447
## Entropy_cooc.L.PET	0.694033512	0.95020331	0.568119130
## DAVE_cooc.L.PET	0.563566952	0.78089146	0.564101078
## DVAR_cooc.L.PET	0.566245713	0.68076891	0.475652837
## DENT_cooc.L.PET	0.705275108	0.95697547	0.613655073
## SAVE_cooc.L.PET	0.582056341	0.82884130	0.599238436
## SVAR_cooc.L.PET	0.467698755	0.69088940	0.575735976
## SENT_cooc.L.PET	0.767593512	0.96267793	0.623413175
## ASM_cooc.L.PET	0.877226676	0.47206520	0.399121302
## Contrast_cooc.L.PET	0.425400634	0.58700165	0.464710316
## Dissimilarity_cooc.L.PET	0.563566952	0.78089146	0.564101078
## Inv_diff_cooc.L.PET	0.753268396	0.80604894	0.456352361
## Inv_diff_norm_cooc.L.PET	0.749773840	0.96036040	0.580382020
## IDM_cooc.L.PET	0.752194576	0.71884212	0.405995452
## IDM_norm_cooc.L.PET	0.749090167	0.96678588	0.589799882
## Inv_var_cooc.L.PET	0.754107593	0.71971064	0.406847718
## Correlation_cooc.L.PET	0.507686385	0.62322489	0.382173368
## Autocorrelation_cooc.L.PET	0.439300297	0.64277510	0.542852768
## Tendency_cooc.L.PET	0.467698755	0.69088940	0.575735976
## Shade_cooc.L.PET	0.214929435	0.32877918	0.268594203
## Prominence_cooc.L.PET	0.334179547	0.50627608	0.496979478
## IC1_.L.PET	-0.065237968	-0.41407073	-0.416833610
## IC2_.L.PET	0.733704453	0.91957003	0.660828399
## Coarseness_vdif_.L.PET	0.815852027	0.53429507	0.503895746
## Contrast_vdif_.L.PET	0.218898535	0.28948569	0.267560552
## Busyness_vdif_.L.PET	0.137115384	0.24269681	0.036961092
## Complexity_vdif_.L.PET	0.595675124	0.73574360	0.507077755
## Strength_vdif_.L.PET	0.286509809	0.34750906	0.376467333
## SRE_align.L.PET	0.752185740	0.97400401	0.606351686
## LRE_align.L.PET	0.740351261	0.95794944	0.573871299
## GLNU_align.L.PET	0.120203982	0.19264692	0.010871449
## RLNU_align.L.PET	0.066871288	0.18063285	0.009340593
## RP_align.L.PET	0.752039896	0.97440712	0.607560307
## LGRE_align.L.PET	0.729578687	0.61116570	0.407966586

## HGRE_align.L.PET	0.461595227	0.66381478	0.533559154
## LGSRE_align.L.PET	0.739128237	0.61685022	0.412720840
## HGSRE_align.L.PET	0.461408134	0.66278740	0.534764984
## LGHRE_align.L.PET	0.689134685	0.58526856	0.386430909
## HGLRE_align.L.PET	0.460989311	0.66588199	0.526508346
## GLNU_norm_align.L.PET	0.907694020	0.68214793	0.502576676
## RLNU_norm_align.L.PET	0.751802190	0.97502234	0.611590811
## GLVAR_align.L.PET	0.496191702	0.70971190	0.563638352
## RLVAR_align.L.PET	0.859471320	0.62519676	0.394544322
## Entropy_align.L.PET	0.704020699	0.95758200	0.580061863
## SZSE.L.PET	0.741479768	0.95486072	0.612408436
## LZSE.L.PET	0.511728015	0.65385283	0.326107659
## LGLZE.L.PET	0.744210955	0.62248295	0.412599957
## HGLZE.L.PET	0.468219991	0.67266783	0.536179107
## SZLGE.L.PET	0.768363471	0.63556446	0.429421924
## SZHGE.L.PET	0.468425219	0.66749696	0.542012649
## LZLGE.L.PET	0.553100428	0.47598128	0.291272368
## LZHGE.L.PET	0.372892795	0.54810454	0.395087818
## GLNU_area.L.PET	0.113866829	0.19597692	0.017332073
## ZSNU.L.PET	0.056917668	0.18365533	0.017731577
## ZSP.L.PET	0.741518471	0.96395689	0.620536145
## GLNU_norm.L.PET	0.910659496	0.68290887	0.502137229
## ZSNU_norm.L.PET	0.742324798	0.96829376	0.625977815
## GLVAR_area.L.PET	0.507592199	0.71982222	0.567342327
## ZSVAR.L.PET	0.459173026	0.39606043	0.147085741
## Entropy_area.L.PET	0.705449449	0.95409697	0.568791983
## Max_cooc.H.PET	0.372838028	0.34959464	0.364175106
## Average_cooc.H.PET	0.708350930	0.95628765	0.629737120
## Variance_cooc.H.PET	0.614885041	0.82078261	0.446695767
## Entropy_cooc.H.PET	0.569690755	0.80761106	0.467834692
## DAVE_cooc.H.PET	0.637374646	0.85276587	0.492389655
## DVAR_cooc.H.PET	0.625424460	0.83622432	0.508390356
## DENT_cooc.H.PET	0.477103903	0.71990626	0.387335307
## SAVE_cooc.H.PET	0.699487958	0.95798238	0.631435764
## SVAR_cooc.H.PET	0.590825344	0.80598445	0.465024277
## SENT_cooc.H.PET	0.736545187	0.67692301	0.408732733
## ASM_cooc.H.PET	0.433250844	0.34214458	0.375770778
## Contrast_cooc.H.PET	0.574105236	0.76759055	0.443763096
## Dissimilarity_cooc.H.PET	0.637374646	0.85276587	0.492389655
## Inv_diff_cooc.H.PET	0.583996275	0.68504991	0.522005899
## Inv_diff_norm_cooc.H.PET	0.754212055	0.97014379	0.607202699
## IDM_cooc.H.PET	0.515861972	0.58790259	0.474598666
## IDM_norm_cooc.H.PET	0.751677979	0.97140288	0.602717066
## Inv_var_cooc.H.PET	0.883632197	0.59790941	0.427633406
## Correlation_cooc.H.PET	0.516365018	0.62767711	0.362982718
## Autocorrelation_cooc.H.PET	0.672484637	0.90819582	0.633905613
## Tendency_cooc.H.PET	0.581836434	0.77610409	0.408305285
## Shade_cooc.H.PET	-0.296530980	-0.40970313	-0.255003715
## Prominence_cooc.H.PET	0.416618785	0.56216625	0.246944707
## IC1_d.H.PET	0.214499695	-0.10238732	-0.027515911
## IC2_d.H.PET	0.598021000	0.75371664	0.455975645
## Coarseness_vdif.H.PET	0.869938431	0.47141971	0.409523084
## Contrast_vdif.H.PET	0.256425599	0.33785760	0.400721203
## Busyness_vdif.H.PET	-0.199936903	0.05882553	-0.076676348

## Complexity_vdif.H.PET	0.749757419	0.67686369	0.478979185
## Strength_vdif.H.PET	0.077781816	0.06085051	0.126347065
## SRE_align.H.PET	0.732980190	0.94139260	0.559624722
## LRE_align.H.PET	0.470578159	0.64254076	0.475882964
## RLNU_align.H.PET	0.071158989	0.18256038	0.026804737
## RP_align.H.PET	0.724320625	0.93066830	0.552825712
## LGRE_align.H.PET	0.881668598	0.49031387	0.408236558
## HGRE_align.H.PET	0.672927694	0.91280449	0.620879677
## LGSRE_align.H.PET	0.880659581	0.48806681	0.407376532
## HGSRE_align.H.PET	0.700696538	0.94803799	0.610916953
## LGHRE_align.H.PET	0.887177693	0.50240997	0.412827773
## HGLRE_align.H.PET	0.332520333	0.45430207	0.374675328
## GLNU_norm_align.H.PET	0.490650326	0.54375964	0.487234403
## RLNU_norm_align.H.PET	0.688528723	0.87936127	0.507938385
## GLVAR_align.H.PET	0.585820551	0.78490336	0.418098114
## RLVAR_align.H.PET	0.250558774	0.29510933	0.248858196
## Entropy_align.H.PET	0.632811208	0.85727802	0.457077570
## SZSE.H.PET	0.647915864	0.81741145	0.449479465
## LZSE.H.PET	-0.088391938	-0.04930088	0.005411393
## LGLZE.H.PET	0.880312881	0.49116540	0.409154696
## HGLZE.H.PET	0.606813379	0.84217643	0.552050387
## SZLGE.H.PET	0.877591189	0.48525426	0.407062103
## SZHGE.H.PET	0.585964937	0.80203353	0.459928824
## LZLGE.H.PET	0.034768958	0.01613965	0.043428912
## LZHGE.H.PET	-0.052152190	-0.03342052	0.030812250
## GLNU_area.H.PET	0.083345120	0.20375639	0.012281866
## ZSNU.H.PET	0.041043138	0.16546325	0.046590777
## ZSP.H.PET	0.492646195	0.63890785	0.338421936
## GLNU_norm.H.PET	0.503953748	0.55739623	0.497048505
## ZSNU_norm.H.PET	0.549687043	0.69118109	0.348859688
## GLVAR_area.H.PET	0.566896938	0.76420878	0.398838310
## ZSVAR.H.PET	-0.069862294	-0.04501816	0.011168612
## Entropy_area.H.PET	0.677608079	0.90241862	0.500590553
## Max_cooc.W.PET	0.557065878	0.39333861	0.388484825
## Average_cooc.W.PET	0.334717039	0.50030718	0.239744032
## Variance_cooc.W.PET	0.163739915	0.25104649	0.113234109
## Entropy_cooc.W.PET	0.596299907	0.81460999	0.423679096
## DAVE_cooc.W.PET	0.370979142	0.53010749	0.253897467
## DVAR_cooc.W.PET	0.175976780	0.28995653	0.126989436
## DENT_cooc.W.PET	0.596853406	0.80328007	0.425162697
## SAVE_cooc.W.PET	0.333000567	0.49947524	0.238994172
## SVAR_cooc.W.PET	0.151749350	0.22294184	0.101882700
## SENT_cooc.W.PET	0.695985952	0.86058250	0.481916783
## ASM_cooc.W.PET	0.699961360	0.43134166	0.425120227
## Contrast_cooc.W.PET	0.179412213	0.30163446	0.132350070
## Dissimilarity_cooc.W.PET	0.370979142	0.53010749	0.253897467
## Inv_diff_cooc.W.PET	0.633141735	0.75760734	0.555676338
## Inv_diff_norm_cooc.W.PET	0.750791361	0.96143393	0.582638023
## IDM_cooc.W.PET	0.546254492	0.63448477	0.500338572
## IDM_norm_cooc.W.PET	0.749692488	0.96718896	0.590335792
## Inv_var_cooc.W.PET	0.603963628	0.69748622	0.531360370
## Correlation_cooc.W.PET	0.506812863	0.62130782	0.378938760
## Autocorrelation_cooc.W.PET	0.131335913	0.24732187	0.114579620
## Tendency_cooc.W.PET	0.151749350	0.22294184	0.101882700

## Shade_cooc.W.PET	0.060046454	0.04034626	0.017782835
## Prominence_cooc.W.PET	0.020835022	0.01317794	0.011124515
## IC1_d.W.PET	0.253918158	-0.12233089	-0.050562538
## IC2_d.W.PET	0.663743618	0.83160368	0.526577233
## Coarseness_vdif.W.PET	0.742581219	0.51414711	0.503380524
## Contrast_vdif.W.PET	0.409790592	0.49869740	0.304159528
## Busyness_vdif.W.PET	0.027688025	0.22935878	0.168384954
## Complexity_vdif.W.PET	0.109530703	0.15726096	0.058348592
## Strength_vdif.W.PET	0.228533286	0.24654238	0.205113086
## SRE_align.W.PET	0.747158567	0.96348440	0.584724223
## LRE_align.W.PET	0.648840586	0.85624061	0.570607183
## GLNU_align.W.PET	0.086089052	0.19843853	-0.006268129
## RLNU_align.W.PET	0.072937828	0.18169056	0.018133472
## RP_align.W.PET	0.743806107	0.95915015	0.579891010
## LGRE_align.W.PET	0.476969782	0.51748857	0.441041461
## HGRE_align.W.PET	0.130703402	0.24920270	0.103637443
## LGSRE_align.W.PET	0.515948575	0.55101265	0.457640966
## HGSRE_align.W.PET	0.127423974	0.24554661	0.102755273
## LGHRE_align.W.PET	0.307689285	0.36111227	0.351029009
## HGLRE_align.W.PET	0.144014729	0.26351879	0.105921110
## GLNU_norm_align.W.PET	0.563374862	0.54865463	0.497127422
## RLNU_norm_align.W.PET	0.730257503	0.93813889	0.556536455
## GLVAR_align.W.PET	0.158208339	0.24856038	0.104420462
## RLVAR_align.W.PET	0.378454933	0.37654260	0.324085901
## Entropy_align.W.PET	0.634161828	0.86010732	0.458203873
## SZSE.W.PET	0.714277419	0.90953321	0.541998165
## LZSE.W.PET	0.111844739	0.14820651	0.154894645
## LGLZE.W.PET	0.510278891	0.53670135	0.441158758
## HGLZE.W.PET	0.133233752	0.25248353	0.105936233
## SZLGE.W.PET	0.609314359	0.60178217	0.465150832
## SZHGE.W.PET	0.122728524	0.24281021	0.107075311
## LZLGE.W.PET	-0.014222825	0.02715088	0.100899578
## LZHGE.W.PET	0.208819375	0.27568653	0.073085827
## GLNU_area.W.PET	0.088671120	0.20694977	0.004165017
## ZSNU.W.PET	0.059748358	0.17619165	0.035484298
## ZSP.W.PET	0.648017991	0.83807840	0.478017020
## GLNU_norm.W.PET	0.583510672	0.56930567	0.510928404
## ZSNU_norm.W.PET	0.653399238	0.83365660	0.465261541
## GLVAR_area.W.PET	0.164633742	0.25170887	0.104288056
## ZSVAR.W.PET	0.050924719	0.05751014	0.092754890
## Entropy_area.W.PET	0.666230675	0.89717794	0.493175530
## Min_hist.ADC	0.219986848	0.40484301	0.597361986
## Max_hist.ADC	0.650605605	0.79611161	0.410443514
## Mean_hist.ADC	0.617012052	0.83597582	0.564572494
## Variance_hist.ADC	0.303198871	0.41382081	0.372984086
## Standard_Deviation_hist.ADC	0.498583505	0.68755711	0.505993152
## Skewness_hist.ADC	0.237842784	0.19931223	0.145788480
## Kurtosis_hist.ADC	0.401481196	0.15366181	-0.231973022
## Energy_hist.ADC	0.875986679	0.49802728	0.456607734
## Entropy_hist.ADC	0.685572421	0.88831696	0.434656488
## AUC_hist.ADC	0.761819007	0.93437893	0.552865826
## Volume.ADC	0.042096610	0.23875498	0.040759649
## X3D_surface.ADC	0.316867173	0.29070532	-0.062629709
## ratio_3ds_vol.ADC	0.543871849	0.75328539	0.792613179

## ratio_3ds_vol_norm.ADC	0.661975390	0.88640364	0.500504198
## irregularity.ADC	0.717827910	0.97204702	0.705996147
## Compactness_v1.ADC	0.944418527	0.71899825	0.551863181
##	ZSVAR.L.ADC	Entropy_area.L.ADC	Max_cooc.H.ADC
## Failure	-0.091582411	-0.008889040	0.044689791
## Entropy_cooc.W.ADC	0.108914571	0.056621765	-0.008722520
## GLNU_align.H.PET	0.097229074	-0.037134317	0.058688674
## Min_hist.PET	0.195373148	0.537233717	0.115100911
## Max_hist.PET	0.315442646	0.557671151	0.135598812
## Mean_hist.PET	0.236750620	0.537234035	0.112454733
## Variance_hist.PET	0.174778067	0.269513268	0.045693870
## Standard_Deviation_hist.PET	0.300906305	0.542445037	0.155101873
## Skewness_hist.PET	0.213241173	0.545998342	0.308295121
## Kurtosis_hist.PET	0.136609339	0.178150126	0.161583252
## Energy_hist.PET	0.069376004	0.407176172	0.978761061
## Entropy_hist.PET	0.398040830	0.888280363	0.289356394
## AUC_hist.PET	0.402503834	0.988683272	0.501858113
## H_suv.PET	0.309236240	0.556309504	0.252624931
## Volume.PET	0.484091093	0.361931123	-0.146201052
## X3D_surface.PET	0.240340138	0.239009557	0.112427417
## ratio_3ds_vol.PET	0.078377156	0.548148358	0.632594538
## ratio_3ds_vol_norm.PET	0.253874886	0.568099932	0.643779255
## irregularity.PET	0.311664524	0.961891979	0.463040783
## tumor_length.PET	0.382891130	0.613540728	0.336015406
## Compactness_v1.PET	0.192614521	0.521617586	0.919494399
## Compactness_v2.PET	0.189200486	0.247790541	-0.251096795
## Spherical_disproportion.PET	0.253874886	0.568099932	0.643779255
## Sphericity.PET	0.206520100	0.253488100	-0.400248511
## Asphericity.PET	0.245608368	0.546027019	0.641948807
## Center_of_mass.PET	0.328815217	0.390483940	0.176783015
## Max_3D_diam.PET	0.401937986	0.489305874	-0.149161232
## Major_axis_length.PET	0.394279352	0.531892989	-0.013013629
## Minor_axis_length.PET	0.487912829	0.674319499	0.156555620
## Least_axis_length.PET	0.481403185	0.576059450	0.035246834
## Elongation.PET	0.288670417	0.839029614	0.495734857
## Flatness.PET	0.313290295	0.778981200	0.393900384
## Max_cooc.L.PET	0.110666261	0.436071111	0.993171664
## Average_cooc.L.PET	0.223884873	0.795900403	0.354492682
## Variance_cooc.L.PET	0.070418694	0.624303940	0.311276135
## Entropy_cooc.L.PET	0.396725629	0.974530888	0.380271532
## DAVE_cooc.L.PET	0.157708101	0.735281633	0.355330073
## DVAR_cooc.L.PET	0.177738511	0.646096610	0.392751572
## DENT_cooc.L.PET	0.336342844	0.959501277	0.415760005
## SAVE_cooc.L.PET	0.223857772	0.795750338	0.353410620
## SVAR_cooc.L.PET	0.085972368	0.637597153	0.296497067
## SENT_cooc.L.PET	0.346060498	0.962882575	0.499310485
## ASM_cooc.L.PET	0.104360926	0.405458271	0.998009508
## Contrast_cooc.L.PET	0.036213602	0.519087684	0.292563321
## Dissimilarity_cooc.L.PET	0.157708101	0.735281633	0.355330073
## Inv_diff_cooc.L.PET	0.421541830	0.855361777	0.548858340
## Inv_diff_norm_cooc.L.PET	0.411628791	0.991011305	0.460653461
## IDM_cooc.L.PET	0.393975328	0.765118138	0.603564967
## IDM_norm_cooc.L.PET	0.403928149	0.993605525	0.458190281
## Inv_var_cooc.L.PET	0.406408242	0.771014110	0.601628688

## Correlation_cooc.L.PET	0.328389200	0.665484153	0.318726475
## Autocorrelation_cooc.L.PET	0.104127192	0.588273248	0.291682299
## Tendency_cooc.L.PET	0.085972368	0.637597153	0.296497067
## Shade_cooc.L.PET	0.006563425	0.321283562	0.110345160
## Prominence_cooc.L.PET	-0.028619735	0.445924165	0.230904565
## IC1_.L.PET	0.096662629	-0.350052424	0.066575229
## IC2_.L.PET	0.205017531	0.879690891	0.518454410
## Coarseness_vdif_.L.PET	0.027676105	0.443021393	0.913031773
## Contrast_vdif_.L.PET	-0.065877729	0.209708650	0.206495491
## Busyness_vdif_.L.PET	0.460386652	0.339800795	-0.035964193
## Complexity_vdif_.L.PET	0.151880795	0.692620097	0.420118152
## Strength_vdif_.L.PET	-0.091005601	0.284745651	0.290629441
## SRE_align.L.PET	0.385691721	0.992692691	0.464111241
## LRE_align.L.PET	0.410438549	0.987697074	0.446707155
## GLNU_align.L.PET	0.415352680	0.283371329	-0.025291529
## RLNU_align.L.PET	0.376127456	0.255673169	-0.081947473
## RP_align.L.PET	0.383354296	0.992212409	0.464156050
## LGRE_align.L.PET	0.230912176	0.620887389	0.669809226
## HGRE_align.L.PET	0.114464350	0.606235568	0.303486535
## LGSRE_align.L.PET	0.230939214	0.624940147	0.680191087
## HGSRE_align.L.PET	0.111742487	0.604592495	0.304701963
## LGHRE_align.L.PET	0.229834981	0.601340963	0.627012932
## HGLRE_align.L.PET	0.125378441	0.611035308	0.297357480
## GLNU_norm_align.L.PET	0.224378750	0.658657016	0.903272632
## RLNU_norm_align.L.PET	0.375319717	0.989778455	0.465149552
## GLVAR_align.L.PET	0.100663469	0.651224397	0.319058930
## RLVAR_align.L.PET	0.309398732	0.626300610	0.830270868
## Entropy_align.L.PET	0.394467460	0.978221614	0.394349275
## SZSE.L.PET	0.373427544	0.972313585	0.469592066
## LZSE.L.PET	0.316860756	0.686184813	0.279374616
## LGLZE.L.PET	0.240279526	0.632045294	0.682158093
## HGLZE.L.PET	0.117535329	0.615868167	0.305707349
## SZLGE.L.PET	0.239986533	0.639910310	0.713166974
## SZHGE.L.PET	0.114906468	0.612857738	0.313075792
## LZLGE.L.PET	0.212587946	0.508877598	0.489021337
## LZHGE.L.PET	0.106775466	0.497276463	0.215948970
## GLNU_area.L.PET	0.413218875	0.285600639	-0.032351506
## ZSNU.L.PET	0.370845736	0.257877137	-0.092084648
## ZSP.L.PET	0.364635977	0.977500834	0.466368282
## GLNU_norm.L.PET	0.224856387	0.658626408	0.906914392
## ZSNU_norm.L.PET	0.350344797	0.977265941	0.466527519
## GLVAR_area.L.PET	0.105247886	0.661812597	0.326810469
## ZSVAR.L.PET	0.303901119	0.448375971	0.345527481
## Entropy_area.L.PET	0.408211115	0.979748751	0.392599394
## Max_cooc.H.PET	-0.029533802	0.297624607	0.400524250
## Average_cooc.H.PET	0.340559250	0.969575994	0.433313797
## Variance_cooc.H.PET	0.409289308	0.852438998	0.324253677
## Entropy_cooc.H.PET	0.386443733	0.831087563	0.276382814
## DAVE_cooc.H.PET	0.358677742	0.870404204	0.354285327
## DVAR_cooc.H.PET	0.342472434	0.846758757	0.363841714
## DENT_cooc.H.PET	0.331867890	0.791627694	0.215202951
## SAVE_cooc.H.PET	0.353317491	0.979190060	0.416187023
## SVAR_cooc.H.PET	0.372562021	0.855148383	0.336152102
## SENT_cooc.H.PET	0.264844062	0.676845522	0.597497454

## ASM_cooc.H.PET	-0.033102675	0.275356744	0.492225620
## Contrast_cooc.H.PET	0.306976691	0.771843118	0.321203138
## Dissimilarity_cooc.H.PET	0.358677742	0.870404204	0.354285327
## Inv_diff_cooc.H.PET	0.174585453	0.666592253	0.464378650
## Inv_diff_norm_cooc.H.PET	0.385761313	0.990306296	0.471856956
## IDM_cooc.H.PET	0.119489887	0.561768357	0.436279150
## IDM_norm_cooc.H.PET	0.390920672	0.993196223	0.464302369
## Inv_var_cooc_.H.PET	0.217783787	0.568834627	0.893375834
## Correlation_cooc.H.PET	0.347728202	0.672271739	0.320583191
## Autocorrelation_cooc.H.PET	0.290842984	0.912516437	0.430205730
## Tendency_cooc.H.PET	0.427969285	0.819745390	0.296774689
## Shade_cooc.H.PET	-0.172153763	-0.414899160	-0.171814254
## Prominence_cooc.H.PET	0.373842857	0.606404690	0.182084023
## IC1_d.H.PET	-0.032961273	-0.126494516	0.370916896
## IC2_d.H.PET	0.352776183	0.782970223	0.370750398
## Coarseness_vdif.H.PET	0.083671860	0.396506354	0.992520435
## Contrast_vdif.H.PET	-0.010396238	0.281048337	0.259290462
## Busyness_vdif.H.PET	0.376465188	0.147292445	-0.395969010
## Complexity_vdif.H.PET	0.142389737	0.635259972	0.666181451
## Strength_vdif.H.PET	-0.083518038	0.005172806	0.108052452
## SRE_align.H.PET	0.401197030	0.967596424	0.440445449
## LRE_align.H.PET	0.183058566	0.636312125	0.318403195
## RLNU_align.H.PET	0.371442406	0.256071707	-0.070359748
## RP_align.H.PET	0.395008573	0.955547297	0.435042328
## LGRE_align.H.PET	0.114275028	0.423207741	0.993157122
## HGRE_align.H.PET	0.297598330	0.916180177	0.424514744
## LGSRE_align.H.PET	0.112718433	0.420729615	0.993317891
## HGSRE_align.H.PET	0.338606262	0.961685817	0.424081848
## LGHRE_align.H.PET	0.121959752	0.436383638	0.992491293
## HGLRE_align.H.PET	0.079562897	0.433387183	0.244101589
## GLNU_norm_align.H.PET	0.054596585	0.502039337	0.446562615
## RLNU_norm_align.H.PET	0.383186397	0.904913076	0.407375580
## GLVAR_align.H.PET	0.405680819	0.821369641	0.302564368
## RLVAR_align.H.PET	0.039415666	0.280289928	0.213255401
## Entropy_align.H.PET	0.432445286	0.902011161	0.322932433
## SZSE.H.PET	0.385992607	0.856957553	0.379652401
## LZSE.H.PET	-0.079163692	-0.051479672	-0.059794302
## LGLZE.H.PET	0.114389460	0.424176017	0.991292380
## HGLZE.H.PET	0.275409209	0.876808814	0.364332357
## SZLGE.H.PET	0.110060494	0.417813992	0.992031367
## SZHGE.H.PET	0.308735966	0.837103488	0.328572120
## LZLGE.H.PET	-0.050505374	0.006545805	0.077693305
## LZHGE.H.PET	-0.068812860	-0.049003068	-0.020322311
## GLNU_area.H.PET	0.437698964	0.295001343	-0.085959569
## ZSNU.H.PET	0.314435918	0.226942093	-0.078897402
## ZSP.H.PET	0.311346144	0.674422251	0.265219048
## GLNU_norm.H.PET	0.079530224	0.511989458	0.451140860
## ZSNU_norm.H.PET	0.325763728	0.724560676	0.311352687
## GLVAR_area.H.PET	0.382492031	0.801734167	0.291167035
## ZSVAR_H.PET	-0.065773653	-0.050206323	-0.036366461
## Entropy_area.H.PET	0.444238545	0.948497176	0.364483790
## Max_cooc.W.PET	0.001101920	0.322483866	0.625642555
## Average_cooc.W.PET	0.291352394	0.532736043	0.126665555
## Variance_cooc.W.PET	0.161952937	0.268737325	0.053787245

## Entropy_cooc.W.PET	0.415907017	0.858958739	0.292361052
## DAVE_cooc.W.PET	0.255514880	0.550665800	0.155497795
## DVAR_cooc.W.PET	0.138136870	0.296840791	0.048570930
## DENT_cooc.W.PET	0.389195223	0.841727040	0.304686513
## SAVE_cooc.W.PET	0.291216540	0.532053376	0.124644491
## SVAR_cooc.W.PET	0.170049210	0.246134370	0.054654843
## SENT_cooc.W.PET	0.403972321	0.892832555	0.416478344
## ASM_cooc.W.PET	0.021305391	0.351404307	0.803691818
## Contrast_cooc.W.PET	0.126167326	0.303427331	0.045453431
## Dissimilarity_cooc.W.PET	0.255514880	0.550665800	0.155497795
## Inv_diff_cooc.W.PET	0.220318957	0.745761407	0.482209990
## Inv_diff_norm_cooc.W.PET	0.409576153	0.991090616	0.462520079
## IDM_cooc.W.PET	0.147144772	0.611749444	0.448508548
## IDM_norm_cooc.W.PET	0.403387091	0.993641340	0.459111914
## Inv_var_cooc.W.PET	0.194008555	0.682445883	0.483414715
## Correlation_cooc.W.PET	0.330798372	0.665378362	0.317038088
## Autocorrelation_cooc.W.PET	0.181383536	0.270437251	0.015114288
## Tendency_cooc.W.PET	0.170049210	0.246134370	0.054654843
## Shade_cooc.W.PET	0.071448643	0.049943646	0.053135906
## Prominence_cooc.W.PET	0.051535274	0.018770819	0.025232379
## IC1_d.W.PET	-0.009921189	-0.146368312	0.436995464
## IC2_d.W.PET	0.320749105	0.842231056	0.425232073
## Coarseness_vdif.W.PET	-0.004680873	0.412656115	0.838005474
## Contrast_vdif.W.PET	0.102400051	0.467252711	0.272028499
## Busyness_vdif.W.PET	0.141636442	0.240507772	-0.082371803
## Complexity_vdif.W.PET	0.158163159	0.179453403	0.039794877
## Strength_vdif.W.PET	0.031936321	0.261129716	0.196272113
## SRE_align.W.PET	0.399812064	0.987526217	0.454041307
## LRE_align.W.PET	0.294012179	0.861412048	0.415436477
## GLNU_align.W.PET	0.397436711	0.287023401	-0.079168934
## RLNU_align.W.PET	0.376422534	0.256250579	-0.071621586
## RP_align.W.PET	0.399166532	0.983209559	0.450872478
## LGRE_align.W.PET	0.058213447	0.486892444	0.428921840
## HGRE_align.W.PET	0.184327415	0.271449399	0.007647147
## LGSRE_align.W.PET	0.077829105	0.522365330	0.459896111
## HGSRE_align.W.PET	0.180143002	0.267093338	0.006051731
## LGHRE_align.W.PET	-0.014803643	0.326618141	0.291569455
## HGLRE_align.W.PET	0.201263470	0.288484013	0.013868008
## GLNU_norm_align.W.PET	0.052154914	0.498260752	0.547281203
## RLNU_norm_align.W.PET	0.400132998	0.964140811	0.437219932
## GLVAR_align.W.PET	0.175919153	0.269459370	0.043637434
## RLVAR_align.W.PET	0.055907849	0.349670640	0.354205967
## Entropy_align.W.PET	0.432078257	0.903764504	0.323139123
## SZSE.W.PET	0.401352790	0.941203010	0.435581605
## LZSE.W.PET	-0.010358200	0.119984535	0.097752682
## LGLZE.W.PET	0.089961922	0.510665652	0.453103545
## HGLZE.W.PET	0.183585903	0.275031142	0.009157557
## SZLGE.W.PET	0.146356684	0.584585940	0.539267816
## SZHGE.W.PET	0.168646100	0.263403683	0.005590154
## LZLGE.W.PET	-0.101573423	-0.003130574	0.018126110
## LZHGE.W.PET	0.262499225	0.299183349	0.055551390
## GLNU_area.W.PET	0.423146755	0.298742332	-0.080966508
## ZSNU.W.PET	0.351025447	0.245504661	-0.072954739
## ZSP.W.PET	0.379473968	0.872197088	0.377744828

## GLNU_norm.W.PET	0.064137832	0.517686132	0.564821724
## ZSNU_norm.W.PET	0.378455988	0.866115177	0.382119532
## GLVAR_area.W.PET	0.178116018	0.272956352	0.048816470
## ZSVAR.W.PET	-0.025557820	0.034413995	0.062040060
## Entropy_area.W.PET	0.439751953	0.940367118	0.349905678
## Min_hist.ADC	-0.018086707	0.326481426	0.188987720
## Max_hist.ADC	0.512776914	0.895860202	0.369706453
## Mean_hist.ADC	0.332678510	0.873015476	0.362312706
## Variance_hist.ADC	0.167707248	0.499171537	0.282677090
## Standard_Deviation_hist.ADC	0.271256435	0.761628900	0.363742164
## Skewness_hist.ADC	0.347013631	0.209269244	0.133075470
## Kurtosis_hist.ADC	0.577353104	0.229824939	0.122080488
## Energy_hist.ADC	0.083003406	0.412695581	0.991859448
## Entropy_hist.ADC	0.434087111	0.962726792	0.387284640
## AUC_hist.ADC	0.486755949	0.968829904	0.469195431
## Volume.ADC	0.487347238	0.349410990	-0.152487147
## X3D_surface.ADC	0.643053171	0.456457903	0.115075525
## ratio_3ds_vol.ADC	-0.036558860	0.616606442	0.463502031
## ratio_3ds_vol_norm.ADC	0.500880837	0.946034453	0.362846674
## irregularity.ADC	0.300033986	0.942443950	0.460439270
## Compactness_v1.ADC	0.161168930	0.655716076	0.939458381
##	Average_cooc.H.ADC	Variance_cooc.H.ADC	
## Failure	-0.003579544	-0.001771023	
## Entropy_cooc.W.ADC	0.018939092	0.026147599	
## GLNU_align.H.PET	-0.052136189	-0.047137825	
## Min_hist.PET	0.538427336	0.546597802	
## Max_hist.PET	0.544892979	0.559216673	
## Mean_hist.PET	0.533437604	0.545413338	
## Variance_hist.PET	0.253986081	0.270985280	
## Standard_Deviation_hist.PET	0.532227496	0.547266712	
## Skewness_hist.PET	0.535184574	0.535171087	
## Kurtosis_hist.PET	0.145623538	0.150049987	
## Energy_hist.PET	0.414354727	0.395389634	
## Entropy_hist.PET	0.858170654	0.877287822	
## AUC_hist.PET	0.983413601	0.987987686	
## H_suv.PET	0.552533321	0.566315291	
## Volume.PET	0.307122236	0.343341161	
## X3D_surface.PET	0.224687432	0.218777094	
## ratio_3ds_vol.PET	0.573169709	0.545371312	
## ratio_3ds_vol_norm.PET	0.567513351	0.555359357	
## irregularity.PET	0.966742124	0.964616549	
## tumor_length.PET	0.590947955	0.594175273	
## Compactness_v1.PET	0.513230102	0.512625804	
## Compactness_v2.PET	0.240695748	0.261538531	
## Spherical_disproportion.PET	0.567513351	0.555359357	
## Sphericity.PET	0.243507949	0.270633001	
## Asphericity.PET	0.545511925	0.532978393	
## Center_of_mass.PET	0.358959841	0.366095633	
## Max_3D_diam.PET	0.463244408	0.489161520	
## Major_axis_length.PET	0.504584140	0.527713540	
## Minor_axis_length.PET	0.648842001	0.665713856	
## Least_axis_length.PET	0.550222110	0.568944572	
## Elongation.PET	0.853846124	0.839620697	
## Flatness.PET	0.789459010	0.782448039	

## Max_cooc.L.PET	0.432976932	0.420421599
## Average_cooc.L.PET	0.807369881	0.805456142
## Variance_cooc.L.PET	0.650502280	0.639730634
## Entropy_cooc.L.PET	0.968089124	0.979382821
## DAVE_cooc.L.PET	0.761962495	0.751106747
## DVAR_cooc.L.PET	0.675250215	0.656615686
## DENT_cooc.L.PET	0.965343287	0.967195269
## SAVE_cooc.L.PET	0.807229064	0.805328377
## SVAR_cooc.L.PET	0.653349813	0.650101601
## SENT_cooc.L.PET	0.964999720	0.965616898
## ASM_cooc.L.PET	0.401878885	0.390050558
## Contrast_cooc.L.PET	0.558352407	0.537084800
## Dissimilarity_cooc.L.PET	0.761962495	0.751106747
## Inv_diff_cooc.L.PET	0.836043939	0.841296985
## Inv_diff_norm_cooc.L.PET	0.983861833	0.990049103
## IDM_cooc.L.PET	0.744296157	0.746319962
## IDM_norm_cooc.L.PET	0.988011130	0.993810384
## Inv_var_cooc.L.PET	0.746269838	0.751455543
## Correlation_cooc.L.PET	0.639147918	0.653587341
## Autocorrelation_cooc.L.PET	0.601127863	0.596009695
## Tendency_cooc.L.PET	0.653349813	0.650101601
## Shade_cooc.L.PET	0.322817333	0.331123644
## Prominence_cooc.L.PET	0.465148947	0.457695055
## IC1_.L.PET	-0.400817397	-0.368970028
## IC2_.L.PET	0.901214744	0.887443292
## Coarseness_vdif_.L.PET	0.457233665	0.435517309
## Contrast_vdif_.L.PET	0.262512660	0.222717670
## Busyness_vdif_.L.PET	0.305615786	0.322640844
## Complexity_vdif_.L.PET	0.725980409	0.706737676
## Strength_vdif_.L.PET	0.325719666	0.293088881
## SRE_align.L.PET	0.990253726	0.994674122
## LRE_align.L.PET	0.984262364	0.987287443
## GLNU_align.L.PET	0.259314741	0.264278139
## RLNU_align.L.PET	0.236899886	0.242263132
## RP_align.L.PET	0.990219608	0.994433926
## LGRE_align.L.PET	0.616943280	0.608941617
## HGRE_align.L.PET	0.624383959	0.617095815
## LGSRE_align.L.PET	0.621146833	0.613341156
## HGSRE_align.L.PET	0.622817866	0.615519682
## LGHRE_align.L.PET	0.596676167	0.587954036
## HGLRE_align.L.PET	0.628999823	0.621597792
## GLNU_norm_align.L.PET	0.652320617	0.641885091
## RLNU_norm_align.L.PET	0.989080958	0.992721089
## GLVAR_align.L.PET	0.674680845	0.666113723
## RLVAR_align.L.PET	0.610931689	0.605869602
## Entropy_align.L.PET	0.974223027	0.982886567
## SZSE.L.PET	0.964276761	0.973668275
## LZSE.L.PET	0.699016248	0.684902591
## LGLZE.L.PET	0.627897814	0.618960731
## HGLZE.L.PET	0.634367939	0.626734113
## SZLGE.L.PET	0.634080581	0.626530318
## SZHGE.L.PET	0.627060355	0.622705582
## LZLGE.L.PET	0.504748943	0.492477814
## LZHGE.L.PET	0.528713965	0.509692279

## GLNU_area.L.PET	0.260299002	0.266996617
## ZSNU.L.PET	0.237067781	0.245061253
## ZSP.L.PET	0.972483794	0.980133812
## GLNU_norm.L.PET	0.652058643	0.641909470
## ZSNU_norm.L.PET	0.977277600	0.981460990
## GLVAR_area.L.PET	0.685000032	0.676239043
## ZSVAR.L.PET	0.442434878	0.432319982
## Entropy_area.L.PET	0.974386175	0.983234399
## Max_cooc.H.PET	0.304031123	0.293327265
## Average_cooc.H.PET	0.968406400	0.970374865
## Variance_cooc.H.PET	0.851697280	0.857222398
## Entropy_cooc.H.PET	0.835355682	0.839720940
## DAVE_cooc.H.PET	0.877242946	0.878942031
## DVAR_cooc.H.PET	0.851322221	0.853892941
## DENT_cooc.H.PET	0.774889554	0.788234663
## SAVE_cooc.H.PET	0.977274703	0.977579771
## SVAR_cooc.H.PET	0.837611190	0.848010784
## SENT_cooc.H.PET	0.678640112	0.669699363
## ASM_cooc.H.PET	0.281546041	0.271252679
## Contrast_cooc.H.PET	0.784173370	0.783816268
## Dissimilarity_cooc.H.PET	0.877242946	0.878942031
## Inv_diff_cooc.H.PET	0.663121390	0.661008559
## Inv_diff_norm_cooc.H.PET	0.986108665	0.990562562
## IDM_cooc.H.PET	0.559501700	0.555617327
## IDM_norm_cooc.H.PET	0.989349764	0.993895187
## Inv_var_cooc_.H.PET	0.558088093	0.554889166
## Correlation_cooc.H.PET	0.648290479	0.661486104
## Autocorrelation_cooc.H.PET	0.911380744	0.911425149
## Tendency_cooc.H.PET	0.812009301	0.820219895
## Shade_cooc.H.PET	-0.420991249	-0.407607944
## Prominence_cooc.H.PET	0.599288911	0.606419796
## IC1_d.H.PET	-0.130117145	-0.135510054
## IC2_d.H.PET	0.772273027	0.777982011
## Coarseness_vdif.H.PET	0.397507029	0.383721361
## Contrast_vdif.H.PET	0.298795485	0.276411485
## Busyness_vdif.H.PET	0.114225114	0.150762352
## Complexity_vdif.H.PET	0.652679594	0.630644204
## Strength_vdif.H.PET	0.032852821	0.018028552
## SRE_align.H.PET	0.965760661	0.970447325
## LRE_align.H.PET	0.631954448	0.632934679
## RLNU_align.H.PET	0.235074797	0.242765508
## RP_align.H.PET	0.954780628	0.959008630
## LGRE_align.H.PET	0.417476409	0.408368521
## HGRE_align.H.PET	0.917224729	0.917351648
## LGSRE_align.H.PET	0.415045757	0.405890335
## HGSRE_align.H.PET	0.963848941	0.964356260
## LGHRE_align.H.PET	0.430552026	0.421534814
## HGLRE_align.H.PET	0.433164076	0.432965673
## GLNU_norm_align.H.PET	0.504605221	0.497212933
## RLNU_norm_align.H.PET	0.905738488	0.909802934
## GLVAR_align.H.PET	0.818459498	0.824954982
## RLVAR_align.H.PET	0.274987754	0.275446047
## Entropy_align.H.PET	0.892185566	0.905184505
## SZSE.H.PET	0.848818322	0.861060994

## LZSE.H.PET	-0.055063377	-0.052473865
## LGLZE.H.PET	0.417993285	0.409207019
## HGLZE.H.PET	0.864396443	0.873037404
## SZLGE.H.PET	0.411461041	0.402690045
## SZHGE.H.PET	0.835279572	0.842113003
## LZLGE.H.PET	0.003357952	0.003695771
## LZHGE.H.PET	-0.047437937	-0.046284057
## GLNU_area.H.PET	0.269767477	0.279435458
## ZSNU.H.PET	0.205257222	0.216889509
## ZSP.H.PET	0.670499693	0.680220484
## GLNU_norm.H.PET	0.515730266	0.508509364
## ZSNU_norm.H.PET	0.724121567	0.733172660
## GLVAR_area.H.PET	0.795210183	0.804862599
## ZSVAR_H.PET	-0.052853649	-0.050664022
## Entropy_area.H.PET	0.935483504	0.947335175
## Max_cooc.W.PET	0.330688884	0.319036073
## Average_cooc.W.PET	0.520930974	0.537821628
## Variance_cooc.W.PET	0.254263896	0.270398243
## Entropy_cooc.W.PET	0.852283346	0.863772602
## DAVE_cooc.W.PET	0.551683706	0.562751434
## DVAR_cooc.W.PET	0.293832322	0.307377323
## DENT_cooc.W.PET	0.838837632	0.848152990
## SAVE_cooc.W.PET	0.520253227	0.537170662
## SVAR_cooc.W.PET	0.226181884	0.243204449
## SENT_cooc.W.PET	0.887275530	0.893874143
## ASM_cooc.W.PET	0.355695960	0.343259308
## Contrast_cooc.W.PET	0.304597177	0.316979063
## Dissimilarity_cooc.W.PET	0.551683706	0.562751434
## Inv_diff_cooc.W.PET	0.743047586	0.740286640
## Inv_diff_norm_cooc.W.PET	0.984307300	0.990256731
## IDM_cooc.W.PET	0.609457249	0.605403069
## IDM_norm_cooc.W.PET	0.988296835	0.993890110
## Inv_var_cooc.W.PET	0.678051291	0.674139102
## Correlation_cooc.W.PET	0.638487153	0.653255849
## Autocorrelation_cooc.W.PET	0.251259258	0.271680575
## Tendency_cooc.W.PET	0.226181884	0.243204449
## Shade_cooc.W.PET	0.029696805	0.038858452
## Prominence_cooc.W.PET	-0.005338924	0.005825981
## IC1_d.W.PET	-0.157592259	-0.160556470
## IC2_d.W.PET	0.844124350	0.843230860
## Coarseness_vdif.W.PET	0.438423328	0.408000218
## Contrast_vdif.W.PET	0.483282917	0.483560794
## Busyness_vdif.W.PET	0.221163350	0.239614210
## Complexity_vdif.W.PET	0.161773774	0.176669907
## Strength_vdif.W.PET	0.257431221	0.259020002
## SRE_align.W.PET	0.984989204	0.989566229
## LRE_align.W.PET	0.859005307	0.861424507
## GLNU_align.W.PET	0.264789007	0.270596884
## RLNU_align.W.PET	0.236424514	0.242595555
## RP_align.W.PET	0.981225596	0.985526614
## LGRE_align.W.PET	0.489725966	0.483876521
## HGRE_align.W.PET	0.255154126	0.274920278
## LGSRE_align.W.PET	0.525345042	0.519031020
## HGSRE_align.W.PET	0.250963902	0.270698345

## LGHRE_align.W.PET	0.328523461	0.325070187	
## HGLRE_align.W.PET	0.271836516	0.291472378	
## GLNU_norm_align.W.PET	0.501748402	0.492755890	
## RLNU_norm_align.W.PET	0.963099533	0.967227000	
## GLVAR_align.W.PET	0.253905062	0.270867813	
## RLVAR_align.W.PET	0.344874859	0.344306540	
## Entropy_align.W.PET	0.895517184	0.907348138	
## SZSE.W.PET	0.934489445	0.942917798	
## LZSE.W.PET	0.129927551	0.124198106	
## LGLZE.W.PET	0.509583975	0.506501857	
## HGLZE.W.PET	0.259006865	0.278368149	
## SZLGE.W.PET	0.580437425	0.578938705	
## SZHGE.W.PET	0.247053072	0.266939276	
## LZLGE.W.PET	0.002661308	0.001822530	
## LZHGE.W.PET	0.299995558	0.303279738	
## GLNU_area.W.PET	0.273683994	0.282281540	
## ZSNU.W.PET	0.223829077	0.232943866	
## ZSP.W.PET	0.867402778	0.875339921	
## GLNU_norm.W.PET	0.519855124	0.512059044	
## ZSNU_norm.W.PET	0.867618456	0.871163704	
## GLVAR_area.W.PET	0.257486645	0.274158040	
## ZSVAR.W.PET	0.041712816	0.037377219	
## Entropy_area.W.PET	0.930143529	0.941997558	
## Min_hist.ADC	0.362118251	0.329205220	
## Max_hist.ADC	0.863251867	0.881881221	
## Mean_hist.ADC	0.891655751	0.864972295	
## Variance_hist.ADC	0.428387596	0.458713649	
## Standard_Deviation_hist.ADC	0.707078286	0.733169615	
## Skewness_hist.ADC	0.147044738	0.223505370	
## Kurtosis_hist.ADC	0.262110300	0.239669653	
## Energy_hist.ADC	0.417558704	0.402241039	
## Entropy_hist.ADC	0.935320171	0.953861920	
## AUC_hist.ADC	0.950455398	0.970803074	
## Volume.ADC	0.293897520	0.331667304	
## X3D_surface.ADC	0.388116674	0.432484841	
## ratio_3ds_vol.ADC	0.673479641	0.637459970	
## ratio_3ds_vol_norm.ADC	0.921525762	0.936768946	
## irregularity.ADC	0.956218021	0.952586508	
## Compactness_v1.ADC	0.662681996	0.651392151	
##	Entropy_cooc.H.ADC	DAVE_cooc.H.ADC	DVAR_cooc.H.ADC
## Failure	-0.027553433	0.02724605	0.004081227
## Entropy_cooc.W.ADC	0.064275178	-0.03372833	0.003175596
## GLNU_align.H.PET	-0.037849367	-0.10923509	-0.095207724
## Min_hist.PET	0.552169312	0.53826120	0.526223237
## Max_hist.PET	0.572999145	0.51935946	0.511509630
## Mean_hist.PET	0.555317762	0.53620863	0.522421833
## Variance_hist.PET	0.284332438	0.27562638	0.278356863
## Standard_Deviation_hist.PET	0.559990285	0.52360441	0.513903919
## Skewness_hist.PET	0.526332631	0.43915787	0.449841930
## Kurtosis_hist.PET	0.150300143	0.03932559	0.059939001
## Energy_hist.PET	0.377123845	0.40562517	0.390493785
## Entropy_hist.PET	0.890993824	0.74799229	0.701460772
## AUC_hist.PET	0.985482886	0.90340451	0.854120512
## H_suv.PET	0.570930909	0.53769947	0.519089409

## Volume.PET	0.373660750	0.21447297	0.174260646
## X3D_surface.PET	0.238262675	0.13805099	0.139928949
## ratio_3ds_vol.PET	0.520553716	0.57711134	0.580296329
## ratio_3ds_vol_norm.PET	0.547722123	0.53215059	0.540854234
## irregularity.PET	0.955509912	0.90128638	0.859571801
## tumor_length.PET	0.614510333	0.48375400	0.478557341
## Compactness_v1.PET	0.501850634	0.48377583	0.459709248
## Compactness_v2.PET	0.269080804	0.22036887	0.207096512
## Spherical_disproportion.PET	0.547722123	0.53215059	0.540854234
## Sphericity.PET	0.278175273	0.20644595	0.174215470
## Asphericity.PET	0.525283815	0.51192069	0.522366240
## Center_of_mass.PET	0.379714215	0.27440160	0.282961798
## Max_3D_diam.PET	0.507392484	0.39107854	0.360844105
## Major_axis_length.PET	0.540301651	0.44651149	0.424159207
## Minor_axis_length.PET	0.686801848	0.54034038	0.510857077
## Least_axis_length.PET	0.594796053	0.44632550	0.405120933
## Elongation.PET	0.842670970	0.78471355	0.743674827
## Flatness.PET	0.791010720	0.70892391	0.641379340
## Max_cooc.L.PET	0.405568643	0.41045434	0.396976634
## Average_cooc.L.PET	0.793909848	0.79744410	0.736691805
## Variance_cooc.L.PET	0.609677614	0.65603634	0.608077387
## Entropy_cooc.L.PET	0.979920790	0.90433207	0.854534487
## DAVE_cooc.L.PET	0.728390973	0.75333762	0.705983667
## DVAR_cooc.L.PET	0.630728794	0.66828345	0.646114467
## DENT_cooc.L.PET	0.958009250	0.91187818	0.861801821
## SAVE_cooc.L.PET	0.793793274	0.79731669	0.736553588
## SVAR_cooc.L.PET	0.621444423	0.65335694	0.602607394
## SENT_cooc.L.PET	0.959574422	0.91241338	0.862018167
## ASM_cooc.L.PET	0.376830738	0.38355185	0.371466350
## Contrast_cooc.L.PET	0.508861801	0.57192414	0.534852336
## Dissimilarity_cooc.L.PET	0.728390973	0.75333762	0.705983667
## Inv_diff_cooc.L.PET	0.850230289	0.73344537	0.702302359
## Inv_diff_norm_cooc.L.PET	0.990152299	0.90314351	0.856814028
## IDM_cooc.L.PET	0.755917511	0.63978218	0.615175400
## IDM_norm_cooc.L.PET	0.992641254	0.91075579	0.863270847
## Inv_var_cooc.L.PET	0.761615819	0.63992245	0.619284806
## Correlation_cooc.L.PET	0.664691383	0.57025663	0.537745671
## Autocorrelation_cooc.L.PET	0.578970799	0.61530597	0.555021672
## Tendency_cooc.L.PET	0.621444423	0.65335694	0.602607394
## Shade_cooc.L.PET	0.308763828	0.30781580	0.318912466
## Prominence_cooc.L.PET	0.419999678	0.47431415	0.440319937
## IC1_.L.PET	-0.335601699	-0.43792639	-0.403063290
## IC2_.L.PET	0.868507783	0.88023193	0.836782627
## Coarseness_vdif_.L.PET	0.409198756	0.46265090	0.441767428
## Contrast_vdif_.L.PET	0.200598919	0.28034732	0.253618404
## Busyness_vdif_.L.PET	0.346872748	0.18273512	0.158531506
## Complexity_vdif_.L.PET	0.684677626	0.71230538	0.681011388
## Strength_vdif_.L.PET	0.253835701	0.33580869	0.320086852
## SRE_align.L.PET	0.990630953	0.91894929	0.870416567
## LRE_align.L.PET	0.987931463	0.90413859	0.856608792
## GLNU_align.L.PET	0.290232608	0.15726648	0.148247515
## RLNU_align.L.PET	0.269757101	0.15850447	0.145558990
## RP_align.L.PET	0.990171465	0.91976912	0.871176008
## LGRE_align.L.PET	0.590275124	0.53531005	0.524324884

## HGRE_align.L.PET	0.600665226	0.64241681	0.584013150
## LGSRE_align.L.PET	0.594303797	0.54104752	0.529757845
## HGSRE_align.L.PET	0.598607630	0.64133992	0.583449238
## LGHRE_align.L.PET	0.571034493	0.51011833	0.500531639
## HGLRE_align.L.PET	0.607311720	0.64503541	0.584942908
## GLNU_norm_align.L.PET	0.628853069	0.58435976	0.563843604
## RLNU_norm_align.L.PET	0.987726390	0.92162585	0.873010495
## GLVAR_align.L.PET	0.639811907	0.68010770	0.627746799
## RLVAR_align.L.PET	0.610252556	0.53774838	0.516154801
## Entropy_align.L.PET	0.982680097	0.91289207	0.861697412
## SZSE.L.PET	0.966237978	0.89284602	0.845058885
## LZSE.L.PET	0.698289376	0.63953657	0.608628741
## LGLZE.L.PET	0.602046671	0.54661884	0.535272755
## HGLZE.L.PET	0.610912056	0.65098300	0.593591968
## SZLGE.L.PET	0.609031709	0.55747876	0.545212244
## SZHGE.L.PET	0.605059283	0.63931272	0.584420249
## LZLGE.L.PET	0.483666637	0.41250462	0.409196765
## LZHGE.L.PET	0.505201405	0.55713825	0.503176094
## GLNU_area.L.PET	0.292407322	0.15872481	0.148175570
## ZSNU.L.PET	0.271385817	0.15897966	0.143907326
## ZSP.L.PET	0.972196968	0.90471502	0.856155000
## GLNU_norm.L.PET	0.629287677	0.58501291	0.564317981
## ZSNU_norm.L.PET	0.972868348	0.91461219	0.865424585
## GLVAR_area.L.PET	0.651340310	0.69084530	0.639439395
## ZSVAR.L.PET	0.452906727	0.36544564	0.352897255
## Entropy_area.L.PET	0.984973516	0.90868008	0.858474256
## Max_cooc.H.PET	0.267347683	0.26871557	0.246361368
## Average_cooc.H.PET	0.961229507	0.88962585	0.837843546
## Variance_cooc.H.PET	0.867885742	0.81010992	0.767588460
## Entropy_cooc.H.PET	0.831526952	0.80473110	0.766935088
## DAVE_cooc.H.PET	0.878545020	0.83160298	0.789738103
## DVAR_cooc.H.PET	0.853254038	0.80382392	0.758320522
## DENT_cooc.H.PET	0.800880243	0.68822297	0.665741855
## SAVE_cooc.H.PET	0.971367650	0.88801570	0.836840881
## SVAR_cooc.H.PET	0.864199152	0.76149551	0.716616260
## SENT_cooc.H.PET	0.674672351	0.66067483	0.654574497
## ASM_cooc.H.PET	0.245931908	0.25417202	0.224228752
## Contrast_cooc.H.PET	0.782084570	0.75337267	0.711686391
## Dissimilarity_cooc.H.PET	0.878545020	0.83160298	0.789738103
## Inv_diff_cooc.H.PET	0.646727528	0.59350780	0.549143824
## Inv_diff_norm_cooc.H.PET	0.986788045	0.90985488	0.861177511
## IDM_cooc.H.PET	0.539855187	0.49594983	0.454805207
## IDM_norm_cooc.H.PET	0.990685275	0.91412974	0.865890130
## Inv_var_cooc_.H.PET	0.550776813	0.53900813	0.538424039
## Correlation_cooc.H.PET	0.674648295	0.58918080	0.556622554
## Autocorrelation_cooc.H.PET	0.898297685	0.83195677	0.778966399
## Tendency_cooc.H.PET	0.836627943	0.76831345	0.729142157
## Shade_cooc.H.PET	-0.427066730	-0.41212186	-0.371438695
## Prominence_cooc.H.PET	0.630683967	0.57895399	0.549125899
## IC1_d.H.PET	-0.140496491	-0.11553457	-0.088994249
## IC2_d.H.PET	0.784907183	0.71239820	0.675107340
## Coarseness_vdif.H.PET	0.367601527	0.38650533	0.372699500
## Contrast_vdif.H.PET	0.256042594	0.29332090	0.261113983
## Busyness_vdif.H.PET	0.163387442	0.01458641	-0.045905156

## Complexity_vdif.H.PET	0.623417831	0.64586055	0.633494903
## Strength_vdif.H.PET	-0.006121990	0.04362238	0.018902315
## SRE_align.H.PET	0.969457271	0.90223861	0.860302927
## LRE_align.H.PET	0.623359404	0.55697343	0.512940975
## RLNU_align.H.PET	0.267629098	0.16763070	0.159891713
## RP_align.H.PET	0.957769994	0.89524212	0.854344115
## LGRE_align.H.PET	0.397475320	0.40511496	0.391123691
## HGRE_align.H.PET	0.904715671	0.84029177	0.787772172
## LGSRE_align.H.PET	0.394875128	0.40286396	0.389058689
## HGSRE_align.H.PET	0.954211120	0.89154813	0.845116611
## LGHRE_align.H.PET	0.411325191	0.41679259	0.401677174
## HGLRE_align.H.PET	0.420443339	0.37681955	0.339141184
## GLNU_norm_align.H.PET	0.472259939	0.44955107	0.409403725
## RLNU_norm_align.H.PET	0.909812962	0.85592734	0.821000840
## GLVAR_align.H.PET	0.838861807	0.77665232	0.736950376
## RLVAR_align.H.PET	0.269767464	0.22108393	0.197115347
## Entropy_align.H.PET	0.915595528	0.83388957	0.796436737
## SZSE.H.PET	0.861951381	0.79034876	0.766312334
## LZSE.H.PET	-0.056924383	-0.07825975	-0.075654612
## LGLZE.H.PET	0.398646028	0.40574265	0.391332298
## HGLZE.H.PET	0.867518908	0.75043273	0.705363063
## SZLGE.H.PET	0.391809475	0.39895708	0.385104390
## SZHGE.H.PET	0.835553922	0.75809184	0.739924031
## LZLGE.H.PET	-0.000752605	-0.01747314	-0.013462004
## LZHGE.H.PET	-0.056360966	-0.06315883	-0.060064432
## GLNU_area.H.PET	0.305743268	0.16268690	0.141038612
## ZSNU.H.PET	0.235140303	0.16098323	0.158182074
## ZSP.H.PET	0.682027109	0.63379603	0.616919754
## GLNU_norm.H.PET	0.483485080	0.47307433	0.431319003
## ZSNU_norm.H.PET	0.734459688	0.68711663	0.670714018
## GLVAR_area.H.PET	0.821459659	0.75367345	0.714578816
## ZSVAR.H.PET	-0.057187867	-0.07312931	-0.066047483
## Entropy_area.H.PET	0.958788753	0.85949354	0.814979203
## Max_cooc.W.PET	0.292110407	0.30953237	0.285244708
## Average_cooc.W.PET	0.552456005	0.52279210	0.505531583
## Variance_cooc.W.PET	0.281801993	0.27154812	0.273861895
## Entropy_cooc.W.PET	0.873296882	0.80336628	0.771853708
## DAVE_cooc.W.PET	0.567742553	0.54923527	0.534234461
## DVAR_cooc.W.PET	0.312618198	0.31635968	0.314426713
## DENT_cooc.W.PET	0.853527448	0.79228067	0.764090964
## SAVE_cooc.W.PET	0.551834870	0.52214396	0.504903558
## SVAR_cooc.W.PET	0.257212669	0.23922183	0.244776980
## SENT_cooc.W.PET	0.900256399	0.83625234	0.803200551
## ASM_cooc.W.PET	0.319144929	0.33491250	0.309369531
## Contrast_cooc.W.PET	0.320561306	0.33146860	0.325103403
## Dissimilarity_cooc.W.PET	0.567742553	0.54923527	0.534234461
## Inv_diff_cooc.W.PET	0.727750677	0.66828907	0.618372844
## Inv_diff_norm_cooc.W.PET	0.990071106	0.90405451	0.857683083
## IDM_cooc.W.PET	0.590644794	0.54289396	0.496640152
## IDM_norm_cooc.W.PET	0.992663669	0.91130263	0.863944408
## Inv_var_cooc.W.PET	0.662107337	0.60709297	0.561857762
## Correlation_cooc.W.PET	0.664898779	0.56901116	0.536737389
## Autocorrelation_cooc.W.PET	0.287433543	0.28440072	0.282990607
## Tendency_cooc.W.PET	0.257212669	0.23922183	0.244776980

## Shade_cooc.W.PET	0.050311375	0.03157525	0.047468189
## Prominence_cooc.W.PET	0.020063246	0.01269779	0.027162506
## IC1_d.W.PET	-0.160822064	-0.14760948	-0.124139110
## IC2_d.W.PET	0.842500925	0.79039497	0.750603959
## Coarseness_vdif.W.PET	0.379435998	0.45074144	0.426131436
## Contrast_vdif.W.PET	0.472714413	0.50233491	0.474981728
## Busyness_vdif.W.PET	0.233567413	0.13036924	0.074194107
## Complexity_vdif.W.PET	0.187554839	0.17520851	0.185200946
## Strength_vdif.W.PET	0.242703133	0.22203200	0.224125271
## SRE_align.W.PET	0.987472612	0.91582261	0.870771374
## LRE_align.W.PET	0.854595992	0.78100360	0.729165666
## GLNU_align.W.PET	0.300039226	0.14064574	0.111812958
## RLNU_align.W.PET	0.268685628	0.16342256	0.153888763
## RP_align.W.PET	0.983617949	0.91390375	0.869470884
## LGRE_align.W.PET	0.454425476	0.43004673	0.398208833
## HGRE_align.W.PET	0.290216220	0.29147327	0.290485486
## LGSRE_align.W.PET	0.489547455	0.46370738	0.432447161
## HGSRE_align.W.PET	0.285640792	0.28816508	0.287630030
## LGHRE_align.W.PET	0.297571762	0.27824050	0.248403211
## HGLRE_align.W.PET	0.308413966	0.30458924	0.301804792
## GLNU_norm_align.W.PET	0.466067642	0.45096502	0.412686343
## RLNU_norm_align.W.PET	0.966438084	0.90115673	0.860853752
## GLVAR_align.W.PET	0.284433452	0.27547938	0.278568005
## RLVAR_align.W.PET	0.333913049	0.29350961	0.264441119
## Entropy_align.W.PET	0.917320862	0.83857333	0.801209369
## SZSE.W.PET	0.940482076	0.86630899	0.831167405
## LZSE.W.PET	0.112499966	0.11375758	0.105365054
## LGLZE.W.PET	0.481526642	0.45305468	0.424542341
## HGLZE.W.PET	0.293565203	0.29384939	0.293088089
## SZLGE.W.PET	0.555191358	0.52200995	0.502774069
## SZHGE.W.PET	0.280485531	0.28190608	0.281721893
## LZLGE.W.PET	-0.017001507	-0.01716278	-0.028558675
## LZHGE.W.PET	0.327888602	0.33321321	0.332472498
## GLNU_area.W.PET	0.310508715	0.15331702	0.126817531
## ZSNU.W.PET	0.255143298	0.16227038	0.156346730
## ZSP.W.PET	0.875864562	0.80784860	0.776000534
## GLNU_norm.W.PET	0.486188095	0.47474055	0.437099201
## ZSNU_norm.W.PET	0.871381270	0.81381579	0.788812091
## GLVAR_area.W.PET	0.288341248	0.27879053	0.282469820
## ZSVAR.W.PET	0.026552897	0.02831275	0.031979075
## Entropy_area.W.PET	0.951577312	0.86328707	0.820032680
## Min_hist.ADC	0.298651126	0.42978456	0.400607686
## Max_hist.ADC	0.893946289	0.69787531	0.672838375
## Mean_hist.ADC	0.862960195	0.78676716	0.779690551
## Variance_hist.ADC	0.463210558	0.21329834	0.197664979
## Standard_Deviation_hist.ADC	0.735523864	0.51020785	0.474357785
## Skewness_hist.ADC	0.221588129	0.19566236	0.123648636
## Kurtosis_hist.ADC	0.279329986	0.34801620	0.455036035
## Energy_hist.ADC	0.381924262	0.41801393	0.399172919
## Entropy_hist.ADC	0.970994252	0.80987827	0.772814867
## AUC_hist.ADC	0.970134170	0.87131574	0.809666735
## Volume.ADC	0.360596009	0.19737548	0.156689663
## X3D_surface.ADC	0.467064466	0.19808523	0.184338160
## ratio_3ds_vol.ADC	0.586085073	0.74583374	0.680953970

## ratio_3ds_vol_norm.ADC	0.947063169	0.82115779	0.777145383
## irregularity.ADC	0.934637450	0.93033138	0.867006479
## Compactness_v1.ADC	0.632597308	0.63780163	0.605968032
##	DENT_cooc.H.ADC	SAVE_cooc.H.ADC	SVAR_cooc.H.ADC
## Failure	0.002351003	-0.003627702	-0.0174590368
## Entropy_cooc.W.ADC	0.018362712	0.018966784	0.0597446712
## GLNU_align.H.PET	-0.059707056	-0.052209681	-0.0005162826
## Min_hist.PET	0.546922840	0.538534570	0.4878639320
## Max_hist.PET	0.554143592	0.544987495	0.5203892487
## Mean_hist.PET	0.547143991	0.533546322	0.4883045965
## Variance_hist.PET	0.276005894	0.254049220	0.2346808771
## Standard_Deviation_hist.PET	0.549447898	0.532295840	0.5010400742
## Skewness_hist.PET	0.517326133	0.535106852	0.5364614724
## Kurtosis_hist.PET	0.119936770	0.145535276	0.2002350304
## Energy_hist.PET	0.416027312	0.413552995	0.3494490611
## Entropy_hist.PET	0.857989083	0.858238618	0.8739880333
## AUC_hist.PET	0.985742387	0.983323420	0.9436488839
## H_suv.PET	0.567626471	0.552510415	0.5228317909
## Volume.PET	0.313143673	0.307399595	0.3965260070
## X3D_surface.PET	0.207181013	0.224670688	0.2506953625
## ratio_3ds_vol.PET	0.570233519	0.572774692	0.4636938821
## ratio_3ds_vol_norm.PET	0.569231869	0.567115304	0.5099485896
## irregularity.PET	0.965687089	0.966680378	0.9072103485
## tumor_length.PET	0.583968374	0.590867240	0.6067548947
## Compactness_v1.PET	0.521505065	0.512532085	0.4799415979
## Compactness_v2.PET	0.244923735	0.241051970	0.2579948064
## Spherical_disproportion.PET	0.569231869	0.567115304	0.5099485896
## Sphericity.PET	0.245112919	0.244009434	0.2844537263
## Asphericity.PET	0.547166379	0.545106716	0.4883595985
## Center_of_mass.PET	0.356032156	0.358939783	0.3890428731
## Max_3D_diam.PET	0.463806125	0.463590557	0.5021347901
## Major_axis_length.PET	0.507740239	0.504812257	0.5230095902
## Minor_axis_length.PET	0.646127894	0.648963303	0.6804376727
## Least_axis_length.PET	0.547603241	0.550423349	0.5951360095
## Elongation.PET	0.849489782	0.853705989	0.7920128366
## Flatness.PET	0.784715200	0.789395748	0.7593203444
## Max_cooc.L.PET	0.436396279	0.432171019	0.3850340612
## Average_cooc.L.PET	0.821205958	0.807344961	0.7333965774
## Variance_cooc.L.PET	0.657839142	0.650453167	0.5684038683
## Entropy_cooc.L.PET	0.979095365	0.968111330	0.9298825377
## DAVE_cooc.L.PET	0.766777215	0.761914688	0.6746474244
## DVAR_cooc.L.PET	0.675107325	0.675130016	0.5786452657
## DENT_cooc.L.PET	0.971222450	0.965325991	0.9055273785
## SAVE_cooc.L.PET	0.821062626	0.807205156	0.7332820200
## SVAR_cooc.L.PET	0.665081547	0.653319393	0.5880636154
## SENT_cooc.L.PET	0.973008229	0.964900315	0.9038550100
## ASM_cooc.L.PET	0.407057362	0.401054942	0.3556549189
## Contrast_cooc.L.PET	0.557720405	0.558280474	0.4606118258
## Dissimilarity_cooc.L.PET	0.766777215	0.761914688	0.6746474244
## Inv_diff_cooc.L.PET	0.831492306	0.835852326	0.8253890268
## Inv_diff_norm_cooc.L.PET	0.986466742	0.983812913	0.9461527217
## IDM_cooc.L.PET	0.736510691	0.744013592	0.7391559149
## IDM_norm_cooc.L.PET	0.991281012	0.987965653	0.9471583606
## Inv_var_cooc.L.PET	0.740515369	0.745990619	0.7466407291

## Correlation_cooc.L.PET	0.648256571	0.639105880	0.6461888947
## Autocorrelation_cooc.L.PET	0.616274470	0.601079314	0.5300292747
## Tendency_cooc.L.PET	0.665081547	0.653319393	0.5880636154
## Shade_cooc.L.PET	0.327847060	0.322841349	0.3102680774
## Prominence_cooc.L.PET	0.471414610	0.465106928	0.4055288489
## IC1_.L.PET	-0.389461474	-0.401039305	-0.2876882022
## IC2_.L.PET	0.905258562	0.901067947	0.8024906228
## Coarseness_vdif_.L.PET	0.459049797	0.456511828	0.3744314614
## Contrast_vdif_.L.PET	0.242459200	0.262406706	0.1630228346
## Busyness_vdif_.L.PET	0.292528418	0.305782033	0.3848563637
## Complexity_vdif_.L.PET	0.722329284	0.725854068	0.6290689474
## Strength_vdif_.L.PET	0.304213340	0.325558687	0.2328940161
## SRE_align.L.PET	0.994100071	0.990202060	0.9432422831
## LRE_align.L.PET	0.985038872	0.984227031	0.9413839446
## GLNU_align.L.PET	0.243536839	0.259452398	0.3083429088
## RLNU_align.L.PET	0.226302161	0.237082472	0.2738171121
## RP_align.L.PET	0.994127047	0.990167713	0.9423285498
## LGRE_align.L.PET	0.602463013	0.616541029	0.5917459754
## HGRE_align.L.PET	0.639150196	0.624332244	0.5435865825
## LGSRE_align.L.PET	0.607366111	0.620735843	0.5948336629
## HGSRE_align.L.PET	0.637627451	0.622764209	0.5417417742
## LGHRE_align.L.PET	0.579772797	0.596308708	0.5755572089
## HGLRE_align.L.PET	0.643484861	0.628956510	0.5492320989
## GLNU_norm_align.L.PET	0.645359649	0.651696352	0.6134474157
## RLNU_norm_align.L.PET	0.993365023	0.989027092	0.9384395482
## GLVAR_align.L.PET	0.684981964	0.674635139	0.5942960355
## RLVAR_align.L.PET	0.609037568	0.610367319	0.5896378443
## Entropy_align.L.PET	0.984234330	0.974233792	0.9298676361
## SZSE.L.PET	0.970411019	0.964209337	0.9278219111
## LZSE.L.PET	0.690104649	0.699029288	0.6446928556
## LGLZE.L.PET	0.614007525	0.627487416	0.5999570870
## HGLZE.L.PET	0.648851778	0.634317908	0.5527507729
## SZLGE.L.PET	0.623135991	0.633641448	0.6047669413
## SZHGE.L.PET	0.642098039	0.627000257	0.5538153962
## LZLGE.L.PET	0.482639195	0.504482729	0.4912207216
## LZHGE.L.PET	0.537468714	0.528710454	0.4324515469
## GLNU_area.L.PET	0.245366715	0.260443801	0.3117753222
## ZSNU.L.PET	0.227561806	0.237260187	0.2779963502
## ZSP.L.PET	0.978340301	0.972421865	0.9299814153
## GLNU_norm.L.PET	0.645665970	0.651430509	0.6130927811
## ZSNU_norm.L.PET	0.982008705	0.977216243	0.9254035681
## GLVAR_area.L.PET	0.696023669	0.684950688	0.6027402415
## ZSVAR.L.PET	0.430675927	0.442284882	0.4326198514
## Entropy_area.L.PET	0.983790463	0.974399614	0.9331830588
## Max_cooc.H.PET	0.294096080	0.303758532	0.2840597823
## Average_cooc.H.PET	0.967534270	0.968376162	0.9263097439
## Variance_cooc.H.PET	0.861924770	0.851725593	0.7992566658
## Entropy_cooc.H.PET	0.844268787	0.835426881	0.7737934954
## DAVE_cooc.H.PET	0.882252289	0.877248660	0.8177281263
## DVAR_cooc.H.PET	0.855796453	0.851306262	0.7980389030
## DENT_cooc.H.PET	0.771047773	0.775000097	0.7688942906
## SAVE_cooc.H.PET	0.972980278	0.977266259	0.9385414493
## SVAR_cooc.H.PET	0.839966594	0.837625602	0.8182370640
## SENT_cooc.H.PET	0.689222824	0.678326565	0.6037220473

## ASM_cooc.H.PET	0.275209221	0.281173028	0.2610223986
## Contrast_cooc.H.PET	0.789150032	0.784170613	0.7210370295
## Dissimilarity_cooc.H.PET	0.882252289	0.877248660	0.8177281263
## Inv_diff_cooc.H.PET	0.658397705	0.662936444	0.6436024704
## Inv_diff_norm_cooc.H.PET	0.988917521	0.986048775	0.9433822823
## IDM_cooc.H.PET	0.553290046	0.559301497	0.5443910431
## IDM_norm_cooc.H.PET	0.992440543	0.989298471	0.9454385804
## Inv_var_cooc_.H.PET	0.569926378	0.557435165	0.5047036082
## Correlation_cooc.H.PET	0.659142374	0.648250534	0.6451670798
## Autocorrelation_cooc.H.PET	0.908121927	0.911330340	0.8741834668
## Tendency_cooc.H.PET	0.824158271	0.812051995	0.7700392355
## Shade_cooc.H.PET	-0.422432938	-0.420990542	-0.3666209911
## Prominence_cooc.H.PET	0.612910636	0.599356990	0.5614160677
## IC1_d.H.PET	-0.128746241	-0.130546154	-0.1400946683
## IC2_d.H.PET	0.777922753	0.772232229	0.7439377856
## Coarseness_vdif.H.PET	0.402632459	0.396685653	0.3441335578
## Contrast_vdif.H.PET	0.289629425	0.298655870	0.2417179346
## Busyness_vdif.H.PET	0.109465648	0.114665283	0.2347804746
## Complexity_vdif.H.PET	0.656386861	0.652280565	0.5536498717
## Strength_vdif.H.PET	0.022612725	0.032756813	0.0039503884
## SRE_align.H.PET	0.970980180	0.965722026	0.9145253863
## LRE_align.H.PET	0.626280843	0.631901955	0.6239217381
## RLNU_align.H.PET	0.227720170	0.235244961	0.2666124058
## RP_align.H.PET	0.960177632	0.954742408	0.9009119040
## LGRE_align.H.PET	0.426420626	0.416663207	0.3699682390
## HGRE_align.H.PET	0.914039348	0.917181725	0.8769621652
## LGSRE_align.H.PET	0.423951949	0.414231386	0.3675799689
## HGSRE_align.H.PET	0.962415453	0.963824926	0.9135492774
## LGHRE_align.H.PET	0.439528087	0.429744963	0.3829167332
## HGLRE_align.H.PET	0.427226231	0.433102559	0.4322025391
## GLNU_norm_align.H.PET	0.496094093	0.504369318	0.4839169316
## RLNU_norm_align.H.PET	0.912278804	0.905706900	0.8488520951
## GLVAR_align.H.PET	0.828738278	0.818496727	0.7709623143
## RLVAR_align.H.PET	0.269610418	0.274893858	0.2893331232
## Entropy_align.H.PET	0.903301899	0.892236225	0.8576136439
## SZSE.H.PET	0.855926356	0.848792678	0.8142921197
## LZSE.H.PET	-0.063652417	-0.055021380	-0.0294291707
## LGLZE.H.PET	0.427214945	0.417182053	0.3709631346
## HGLZE.H.PET	0.854131473	0.864393812	0.8668231882
## SZLGE.H.PET	0.420507365	0.410646400	0.3652800201
## SZHGE.H.PET	0.830187736	0.835298727	0.8050309441
## LZLGE.H.PET	-0.002831560	0.003289982	0.0176036079
## LZHGE.H.PET	-0.054595905	-0.047433729	-0.0295398126
## GLNU_area.H.PET	0.255225646	0.269967209	0.3307847069
## ZSNU.H.PET	0.202800590	0.205422420	0.2280361364
## ZSP.H.PET	0.677126078	0.670511128	0.6349528989
## GLNU_norm.H.PET	0.511852430	0.515493565	0.4862896376
## ZSNU_norm.H.PET	0.730212598	0.724110224	0.6812912009
## GLVAR_area.H.PET	0.807037517	0.795249106	0.7547717347
## ZSVAR_H.PET	-0.060580150	-0.052833652	-0.0307231643
## Entropy_area.H.PET	0.944274441	0.935511688	0.9088414033
## Max_cooc.W.PET	0.326500237	0.330203350	0.2969009751
## Average_cooc.W.PET	0.541287957	0.521021737	0.4877994755
## Variance_cooc.W.PET	0.274381196	0.254318269	0.2368112232

## Entropy_cooc.W.PET	0.863291768	0.852346294	0.8116318971
## DAVE_cooc.W.PET	0.565720971	0.551754777	0.5077367930
## DVAR_cooc.W.PET	0.310656677	0.293904722	0.2632737239
## DENT_cooc.W.PET	0.847747851	0.838881336	0.7936953058
## SAVE_cooc.W.PET	0.540600931	0.520345716	0.4872092950
## SVAR_cooc.W.PET	0.246956898	0.226225782	0.2164856889
## SENT_cooc.W.PET	0.897384065	0.887229036	0.8380940201
## ASM_cooc.W.PET	0.354944267	0.355044720	0.3184408671
## Contrast_cooc.W.PET	0.321187220	0.304675167	0.2684523768
## Dissimilarity_cooc.W.PET	0.565720971	0.551754777	0.5077367930
## Inv_diff_cooc.W.PET	0.738325207	0.742877210	0.7177713423
## Inv_diff_norm_cooc.W.PET	0.986861575	0.984256669	0.9458949100
## IDM_cooc.W.PET	0.603555501	0.609265101	0.5913613497
## IDM_norm_cooc.W.PET	0.991496370	0.988250544	0.9468905070
## Inv_var_cooc.W.PET	0.673493187	0.677853151	0.6553178820
## Correlation_cooc.W.PET	0.647621500	0.638446719	0.6463934770
## Autocorrelation_cooc.W.PET	0.277089632	0.251351417	0.2297259400
## Tendency_cooc.W.PET	0.246956898	0.226225782	0.2164856889
## Shade_cooc.W.PET	0.044293643	0.029663086	0.0387913556
## Prominence_cooc.W.PET	0.015252225	-0.005359321	0.0000475859
## IC1_d.W.PET	-0.153178761	-0.158096064	-0.1562274403
## IC2_d.W.PET	0.846793470	0.844055588	0.7931660829
## Coarseness_vdif.W.PET	0.433948071	0.437766699	0.3395700715
## Contrast_vdif.W.PET	0.495464708	0.483204024	0.4190035128
## Busyness_vdif.W.PET	0.215025306	0.221338512	0.3010377677
## Complexity_vdif.W.PET	0.178568289	0.161807266	0.1536608148
## Strength_vdif.W.PET	0.247013890	0.257343426	0.2526796972
## SRE_align.W.PET	0.989289241	0.984945443	0.9362854284
## LRE_align.W.PET	0.857795718	0.858949220	0.8303863388
## GLNU_align.W.PET	0.245187144	0.264981906	0.3348328761
## RLNU_align.W.PET	0.227354252	0.236596611	0.2699944285
## RP_align.W.PET	0.985624907	0.981183203	0.9310070667
## LGRE_align.W.PET	0.479162553	0.489504390	0.4739904554
## HGRE_align.W.PET	0.280989661	0.255255075	0.2294756907
## LGSRE_align.W.PET	0.514929924	0.525107424	0.5060553825
## HGSRE_align.W.PET	0.276835894	0.251064585	0.2249756129
## LGHRE_align.W.PET	0.317790511	0.328371978	0.3278902128
## HGLRE_align.W.PET	0.297431368	0.271938649	0.2470754598
## GLNU_norm_align.W.PET	0.494004057	0.501411311	0.4757372570
## RLNU_norm_align.W.PET	0.968326883	0.963062906	0.9098828531
## GLVAR_align.W.PET	0.275914462	0.253970313	0.2345358957
## RLVAR_align.W.PET	0.341328581	0.344669127	0.3490616152
## Entropy_align.W.PET	0.906141487	0.895568454	0.8576386243
## SZSE.W.PET	0.939318892	0.934443687	0.8940265407
## LZSE.W.PET	0.124484513	0.129885174	0.1215868830
## LGLZE.W.PET	0.503840492	0.509346232	0.4935755531
## HGLZE.W.PET	0.284266452	0.259107899	0.2332620193
## SZLGE.W.PET	0.577294128	0.580143857	0.5580308932
## SZHGE.W.PET	0.271838007	0.247152397	0.2231737523
## LZLGE.W.PET	-0.007642681	0.002646575	0.0174993229
## LZHGE.W.PET	0.320821905	0.300067945	0.2488968467
## GLNU_area.W.PET	0.256167999	0.273881628	0.3433814883
## ZSNU.W.PET	0.217670927	0.223996630	0.2540424912
## ZSP.W.PET	0.871974031	0.867385600	0.8262281967

## GLNU_norm.W.PET	0.515121745	0.519507622	0.4896514024
## ZSNU_norm.W.PET	0.870228915	0.867596382	0.8141869301
## GLVAR_area.W.PET	0.279601454	0.257548183	0.2374165812
## ZSVAR.W.PET	0.036005288	0.041670058	0.0411057186
## Entropy_area.W.PET	0.940105117	0.930183371	0.8971429862
## Min_hist.ADC	0.359754790	0.362072721	0.2290200533
## Max_hist.ADC	0.850982653	0.863253699	0.9131618848
## Mean_hist.ADC	0.862230127	0.891665065	0.8229377213
## Variance_hist.ADC	0.395276891	0.428298910	0.5753505136
## Standard_Deviation_hist.ADC	0.682020667	0.707019849	0.8077571528
## Skewness_hist.ADC	0.222391400	0.146982150	0.2326204333
## Kurtosis_hist.ADC	0.302804958	0.262109599	0.1283639529
## Energy_hist.ADC	0.425232780	0.416746448	0.3526734629
## Entropy_hist.ADC	0.934169399	0.935326687	0.9513723092
## AUC_hist.ADC	0.963846466	0.950384370	0.9408429699
## Volume.ADC	0.299579622	0.294175508	0.3900541991
## X3D_surface.ADC	0.381104704	0.388185446	0.5465195879
## ratio_3ds_vol.ADC	0.675174249	0.673285729	0.5023182270
## ratio_3ds_vol_norm.ADC	0.925931982	0.921546900	0.9179448349
## irregularity.ADC	0.964606947	0.956152044	0.8718449865
## Compactness_v1.ADC	0.667896563	0.662023414	0.5954585261
##	SENT_cooc.H.ADC	ASM_cooc.H.ADC	Contrast_cooc.H.ADC
## Failure	1.320485e-03	0.0502135299	0.030477403
## Entropy_cooc.W.ADC	4.429707e-02	-0.0229249452	-0.049367481
## GLNU_align.H.PET	-2.925173e-02	0.0535965469	-0.127951765
## Min_hist.PET	5.276719e-01	0.0994584180	0.508204373
## Max_hist.PET	5.570630e-01	0.1148933354	0.476899395
## Mean_hist.PET	5.370606e-01	0.0959703238	0.504072391
## Variance_hist.PET	2.904322e-01	0.0335833921	0.266499370
## Standard_Deviation_hist.PET	5.552865e-01	0.1368920260	0.483356908
## Skewness_hist.PET	5.139237e-01	0.2887965457	0.378528761
## Kurtosis_hist.PET	1.405143e-01	0.1471207204	0.005273652
## Energy_hist.PET	3.842531e-01	0.9817496507	0.374366751
## Entropy_hist.PET	8.768771e-01	0.2655467378	0.631524437
## AUC_hist.PET	9.766627e-01	0.4766466510	0.793383741
## H_suv.PET	5.695793e-01	0.2384695211	0.491346783
## Volume.PET	3.907731e-01	-0.1640577385	0.136971753
## X3D_surface.PET	2.241935e-01	0.1036912224	0.091212210
## ratio_3ds_vol.PET	5.065971e-01	0.6284664018	0.553626792
## ratio_3ds_vol_norm.PET	5.496957e-01	0.6285034683	0.487339467
## irregularity.PET	9.373258e-01	0.4412927658	0.803193055
## tumor_length.PET	6.054857e-01	0.3125360579	0.397703663
## Compactness_v1.PET	5.164771e-01	0.9141316454	0.431065114
## Compactness_v2.PET	2.619373e-01	-0.2701444150	0.193545554
## Spherical_disproportion.PET	5.496957e-01	0.6285034683	0.487339467
## Sphericity.PET	2.720637e-01	-0.4173779256	0.164918356
## Asphericity.PET	5.276874e-01	0.6272182849	0.469794307
## Center_of_mass.PET	3.917183e-01	0.1603517155	0.214293325
## Max_3D_diam.PET	4.987638e-01	-0.1733495824	0.322232330
## Major_axis_length.PET	5.320484e-01	-0.0365145614	0.385435308
## Minor_axis_length.PET	6.827049e-01	0.1287099909	0.444371884
## Least_axis_length.PET	5.925505e-01	0.0083500276	0.352262607
## Elongation.PET	8.247449e-01	0.4766775411	0.694314087
## Flatness.PET	7.792551e-01	0.3727512351	0.604069477

## Max_cooc.L.PET	4.177512e-01	0.9931631448	0.370835838
## Average_cooc.L.PET	7.942521e-01	0.3418866594	0.719502926
## Variance_cooc.L.PET	6.176026e-01	0.3060138123	0.599978605
## Entropy_cooc.L.PET	9.766319e-01	0.3557280966	0.797733051
## DAVE_cooc.L.PET	7.222954e-01	0.3477201199	0.689691706
## DVAR_cooc.L.PET	6.261332e-01	0.3875469132	0.625430767
## DENT_cooc.L.PET	9.492711e-01	0.3953887207	0.813667647
## SAVE_cooc.L.PET	7.941164e-01	0.3407968327	0.719385473
## SVAR_cooc.L.PET	6.392775e-01	0.2881092149	0.588570918
## SENT_cooc.L.PET	9.541971e-01	0.4790760110	0.812711231
## ASM_cooc.L.PET	3.908468e-01	0.9993380971	0.347192465
## Contrast_cooc.L.PET	4.999800e-01	0.2929721309	0.537280146
## Dissimilarity_cooc.L.PET	7.222954e-01	0.3477201199	0.689691706
## Inv_diff_cooc.L.PET	8.368357e-01	0.5220200540	0.631336991
## Inv_diff_norm_cooc.L.PET	9.786764e-01	0.4345037368	0.793967910
## IDM_cooc.L.PET	7.428686e-01	0.5790267816	0.545969739
## IDM_norm_cooc.L.PET	9.817280e-01	0.4326770381	0.802224959
## Inv_var_cooc.L.PET	7.522625e-01	0.5763608671	0.544873932
## Correlation_cooc.L.PET	6.744962e-01	0.2926095128	0.480464617
## Autocorrelation_cooc.L.PET	5.896650e-01	0.2859161231	0.558019523
## Tendency_cooc.L.PET	6.392775e-01	0.2881092149	0.588570918
## Shade_cooc.L.PET	3.252097e-01	0.1025155906	0.278052141
## Prominence_cooc.L.PET	4.423003e-01	0.2267590467	0.431550819
## IC1_.L.PET	-3.112219e-01	0.0683557170	-0.427356681
## IC2_.L.PET	8.583281e-01	0.5031181781	0.803956655
## Coarseness_vdif_.L.PET	4.140450e-01	0.9173312796	0.433621385
## Contrast_vdif_.L.PET	1.665070e-01	0.2118773913	0.279411111
## Busyness_vdif_.L.PET	3.514999e-01	-0.0513663430	0.103918632
## Complexity_vdif_.L.PET	6.643095e-01	0.4135254506	0.660516493
## Strength_vdif_.L.PET	2.245220e-01	0.2930537340	0.330528930
## SRE_align.L.PET	9.806403e-01	0.4400063137	0.812512402
## LRE_align.L.PET	9.730011e-01	0.4207733556	0.796066672
## GLNU_align.L.PET	2.819600e-01	-0.0404665401	0.099078459
## RLNU_align.L.PET	2.580661e-01	-0.0952500055	0.108732324
## RP_align.L.PET	9.800481e-01	0.4402366910	0.813704449
## LGRE_align.L.PET	5.851377e-01	0.6523728435	0.468395361
## HGRE_align.L.PET	6.065644e-01	0.2981192089	0.588274400
## LGSRE_align.L.PET	5.898018e-01	0.6629527829	0.474181573
## HGSRE_align.L.PET	6.048570e-01	0.2995093677	0.587695095
## LGHRE_align.L.PET	5.635079e-01	0.6088605114	0.443744365
## HGLRE_align.L.PET	6.115286e-01	0.2912580542	0.589168632
## GLNU_norm_align.L.PET	6.266324e-01	0.8931412874	0.514551006
## RLNU_norm_align.L.PET	9.775677e-01	0.4418443182	0.816888372
## GLVAR_align.L.PET	6.492472e-01	0.3118857692	0.619764029
## RLVAR_align.L.PET	6.102417e-01	0.8151210843	0.464212660
## Entropy_align.L.PET	9.776798e-01	0.3698673653	0.807346672
## SZSE.L.PET	9.643389e-01	0.4460457231	0.786243036
## LZSE.L.PET	6.621211e-01	0.2594800113	0.569188520
## LGLZE.L.PET	5.966478e-01	0.6649570969	0.479188197
## HGLZE.L.PET	6.157906e-01	0.3002524936	0.596099018
## SZLGE.L.PET	6.075770e-01	0.6967634472	0.490157300
## SZHGE.L.PET	6.143860e-01	0.3076908510	0.582919112
## LZLGE.L.PET	4.677986e-01	0.4693559378	0.353224921
## LZHGE.L.PET	4.906898e-01	0.2110465947	0.519343348

## GLNU_area.L.PET	2.854486e-01	-0.0473733418	0.099571781
## ZSNU.L.PET	2.616140e-01	-0.1051822202	0.107932850
## ZSP.L.PET	9.676769e-01	0.4436566655	0.799564451
## GLNU_norm.L.PET	6.273469e-01	0.8969734659	0.515334448
## ZSNU_norm.L.PET	9.635128e-01	0.4449530677	0.812460965
## GLVAR_area.L.PET	6.604562e-01	0.3195955645	0.630377001
## ZSVAR.L.PET	4.311260e-01	0.3255201902	0.307259782
## Entropy_area.L.PET	9.796878e-01	0.3671378267	0.801588905
## Max_cooc.H.PET	2.744697e-01	0.3989083635	0.227596177
## Average_cooc.H.PET	9.517647e-01	0.4099919983	0.780301628
## Variance_cooc.H.PET	8.512476e-01	0.3033210328	0.727862179
## Entropy_cooc.H.PET	8.295712e-01	0.2538416773	0.731522887
## DAVE_cooc.H.PET	8.599365e-01	0.3368670737	0.749898994
## DVAR_cooc.H.PET	8.343152e-01	0.3490118501	0.721204523
## DENT_cooc.H.PET	7.679487e-01	0.1890225586	0.600574968
## SAVE_cooc.H.PET	9.578841e-01	0.3911006663	0.775264928
## SVAR_cooc.H.PET	8.394980e-01	0.3117767427	0.664238995
## SENT_cooc.H.PET	6.650664e-01	0.5848083463	0.610424139
## ASM_cooc.H.PET	2.602247e-01	0.4928976098	0.213795449
## Contrast_cooc.H.PET	7.626485e-01	0.3092179164	0.685313787
## Dissimilarity_cooc.H.PET	8.599365e-01	0.3368670737	0.749898994
## Inv_diff_cooc.H.PET	6.495568e-01	0.4493658510	0.505964468
## Inv_diff_norm_cooc.H.PET	9.775955e-01	0.4468152682	0.800976879
## IDM_cooc.H.PET	5.442621e-01	0.4246106869	0.418390371
## IDM_norm_cooc.H.PET	9.806584e-01	0.4392455396	0.805936025
## Inv_var_cooc.H.PET	5.587194e-01	0.8850305601	0.496599940
## Correlation_cooc.H.PET	6.803355e-01	0.2937098518	0.504145533
## Autocorrelation_cooc.H.PET	8.923247e-01	0.4086366145	0.724500252
## Tendency_cooc.H.PET	8.229856e-01	0.2728789635	0.685755729
## Shade_cooc.H.PET	-3.994543e-01	-0.1646514691	-0.373262013
## Prominence_cooc.H.PET	6.143948e-01	0.1632783866	0.523011166
## IC1_d.H.PET	-1.396069e-01	0.3870584027	-0.087351997
## IC2_d.H.PET	7.802720e-01	0.3433072287	0.622990582
## Coarseness_vdif.H.PET	3.816430e-01	0.9951283733	0.353193829
## Contrast_vdif.H.PET	2.463597e-01	0.2612778309	0.267044443
## Busyness_vdif.H.PET	1.862082e-01	-0.4050650542	-0.062548000
## Complexity_vdif.H.PET	6.070832e-01	0.6628893879	0.604881337
## Strength_vdif.H.PET	8.992328e-05	0.1123206423	0.041306146
## SRE_align.H.PET	9.563924e-01	0.4167544191	0.804348805
## LRE_align.H.PET	6.237929e-01	0.3018157710	0.469018718
## RLNU_align.H.PET	2.583601e-01	-0.0833027735	0.124685714
## RP_align.H.PET	9.437312e-01	0.4119990432	0.800603616
## LGRE_align.H.PET	4.124462e-01	0.9943189984	0.368347352
## HGRE_align.H.PET	8.962918e-01	0.4032818066	0.735094258
## LGSRE_align.H.PET	4.099206e-01	0.9945689627	0.366400020
## HGSRE_align.H.PET	9.406066e-01	0.4016981181	0.789661754
## LGHRE_align.H.PET	4.258036e-01	0.9931407256	0.378167199
## HGLRE_align.H.PET	4.260607e-01	0.2335445589	0.309896253
## GLNU_norm_align.H.PET	4.793176e-01	0.4400161441	0.380972271
## RLNU_norm_align.H.PET	8.945636e-01	0.3858675375	0.771336510
## GLVAR_align.H.PET	8.204044e-01	0.2810920612	0.696841809
## RLVAR_align.H.PET	2.777326e-01	0.2045570053	0.168046989
## Entropy_align.H.PET	9.052416e-01	0.2961992965	0.740990119
## SZSE.H.PET	8.498439e-01	0.3570882610	0.707920234

## LZSE.H.PET	-5.931479e-02	-0.0639667466	-0.084002682
## LGLZE.H.PET	4.136853e-01	0.9924949570	0.368628582
## HGLZE.H.PET	8.514089e-01	0.3408524673	0.634375512
## SZLGE.H.PET	4.072177e-01	0.9934386865	0.362298421
## SZHGE.H.PET	8.121388e-01	0.3062847076	0.674831068
## LZLGE.H.PET	-2.587325e-03	0.0711839940	-0.025535012
## LZHGE.H.PET	-5.199087e-02	-0.0220755655	-0.066852819
## GLNU_area.H.PET	2.994593e-01	-0.0997910528	0.095147863
## ZSNU.H.PET	2.284722e-01	-0.0898442240	0.131959942
## ZSP.H.PET	6.681688e-01	0.2493058693	0.576092623
## GLNU_norm.H.PET	4.947476e-01	0.4452885844	0.407078814
## ZSNU_norm.H.PET	7.150398e-01	0.2933622873	0.627186286
## GLVAR_area.H.PET	8.022524e-01	0.2701762832	0.674635270
## ZSVAR.H.PET	-5.735972e-02	-0.0405847057	-0.076437705
## Entropy_area.H.PET	9.510848e-01	0.3364523925	0.752633032
## Max_cooc.W.PET	3.055862e-01	0.6267686216	0.271891834
## Average_cooc.W.PET	5.463509e-01	0.1095811620	0.484318118
## Variance_cooc.W.PET	2.882081e-01	0.0427127331	0.260578946
## Entropy_cooc.W.PET	8.606258e-01	0.2679285930	0.720747893
## DAVE_cooc.W.PET	5.580337e-01	0.1419909599	0.512172288
## DVAR_cooc.W.PET	3.097826e-01	0.0398937628	0.308205985
## DENT_cooc.W.PET	8.391270e-01	0.2823880431	0.714307204
## SAVE_cooc.W.PET	5.456963e-01	0.1075521089	0.483731934
## SVAR_cooc.W.PET	2.674856e-01	0.0424064334	0.227307117
## SENT_cooc.W.PET	8.897253e-01	0.3935889451	0.749522584
## ASM_cooc.W.PET	3.370183e-01	0.8057801108	0.294529894
## Contrast_cooc.W.PET	3.162508e-01	0.0384390465	0.323998074
## Dissimilarity_cooc.W.PET	5.580337e-01	0.1419909599	0.512172288
## Inv_diff_cooc.W.PET	7.266684e-01	0.4656715439	0.572772889
## Inv_diff_norm_cooc.W.PET	9.785078e-01	0.4364463851	0.795057321
## IDM_cooc.W.PET	5.932507e-01	0.4359177902	0.459549439
## IDM_norm_cooc.W.PET	9.815188e-01	0.4336229521	0.802984980
## Inv_var_cooc.W.PET	6.632570e-01	0.4687379408	0.518176724
## Correlation_cooc.W.PET	6.745120e-01	0.2906706088	0.479144004
## Autocorrelation_cooc.W.PET	2.904563e-01	0.0027693513	0.278438612
## Tendency_cooc.W.PET	2.674856e-01	0.0424064334	0.227307117
## Shade_cooc.W.PET	7.338564e-02	0.0456749840	0.027803479
## Prominence_cooc.W.PET	4.637045e-02	0.0184112636	0.015840172
## IC1_d.W.PET	-1.525007e-01	0.4527559838	-0.123251542
## IC2_d.W.PET	8.324940e-01	0.4002291927	0.701878827
## Coarseness_vdif.W.PET	3.733492e-01	0.8435369394	0.428904417
## Contrast_vdif.W.PET	4.707605e-01	0.2692162610	0.475042636
## Busyness_vdif.W.PET	2.642415e-01	-0.0912486394	0.046390540
## Complexity_vdif.W.PET	1.960027e-01	0.0281373451	0.172408398
## Strength_vdif.W.PET	2.334206e-01	0.1900765658	0.197288893
## SRE_align.W.PET	9.756563e-01	0.4296754285	0.812618812
## LRE_align.W.PET	8.491816e-01	0.3938259816	0.676331710
## GLNU_align.W.PET	2.907753e-01	-0.0944733154	0.062768462
## RLNU_align.W.PET	2.584346e-01	-0.0847406646	0.117376026
## RP_align.W.PET	9.710505e-01	0.4267619867	0.812249203
## LGRE_align.W.PET	4.625430e-01	0.4194007860	0.364576289
## HGRE_align.W.PET	2.918665e-01	-0.0046941919	0.287811816
## LGSRE_align.W.PET	4.966084e-01	0.4496648606	0.395862875
## HGSRE_align.W.PET	2.874605e-01	-0.0060470353	0.285367729

## LGHRE_align.W.PET	3.089481e-01	0.2848474305	0.225773517
## HGLRE_align.W.PET	3.090792e-01	0.0005626488	0.297480502
## GLNU_norm_align.W.PET	4.749293e-01	0.5422419129	0.385304520
## RLNU_norm_align.W.PET	9.526705e-01	0.4136479299	0.804934179
## GLVAR_align.W.PET	2.903423e-01	0.0313905721	0.266471969
## RLVAR_align.W.PET	3.450466e-01	0.3462871727	0.235543177
## Entropy_align.W.PET	9.057199e-01	0.2968844536	0.746859678
## SZSE.W.PET	9.297403e-01	0.4116455130	0.770510323
## LZSE.W.PET	1.158251e-01	0.0952686413	0.093729703
## LGLZE.W.PET	4.920243e-01	0.4435574244	0.386839755
## HGLZE.W.PET	2.949210e-01	-0.0032694941	0.289582434
## SZLGE.W.PET	5.644136e-01	0.5279493630	0.454570102
## SZHGE.W.PET	2.826715e-01	-0.0061499043	0.278728787
## LZLGE.W.PET	-1.034854e-02	0.0172032489	-0.030435061
## LZHGE.W.PET	3.169809e-01	0.0420947214	0.326091297
## GLNU_area.W.PET	3.034307e-01	-0.0959760144	0.077439321
## ZSNU.W.PET	2.473186e-01	-0.0850122054	0.123252298
## ZSP.W.PET	8.607264e-01	0.3558911743	0.722833702
## GLNU_norm.W.PET	4.955557e-01	0.5599279663	0.409957045
## ZSNU_norm.W.PET	8.488520e-01	0.3608608356	0.735775967
## GLVAR_area.W.PET	2.941196e-01	0.0365705793	0.269643195
## ZSVAR.W.PET	3.066570e-02	0.0609808965	0.019062562
## Entropy_area.W.PET	9.435052e-01	0.3223786157	0.761708560
## Min_hist.ADC	2.880903e-01	0.1907045289	0.437221598
## Max_hist.ADC	8.802602e-01	0.3349037352	0.564788850
## Mean_hist.ADC	8.070276e-01	0.3393051131	0.701129523
## Variance_hist.ADC	4.465246e-01	0.2576935251	0.090618817
## Standard_Deviation_hist.ADC	7.165457e-01	0.3358447924	0.371206370
## Skewness_hist.ADC	3.530364e-01	0.1229443518	0.140728227
## Kurtosis_hist.ADC	2.964128e-01	0.1018987303	0.395972895
## Energy_hist.ADC	4.021155e-01	0.9942132067	0.386584856
## Entropy_hist.ADC	9.497838e-01	0.3574241749	0.684405767
## AUC_hist.ADC	9.827150e-01	0.4441835347	0.752049553
## Volume.ADC	3.794476e-01	-0.1699477566	0.118129006
## X3D_surface.ADC	4.847790e-01	0.0794066400	0.077248954
## ratio_3ds_vol.ADC	5.831996e-01	0.4653733365	0.727477505
## ratio_3ds_vol_norm.ADC	9.416353e-01	0.3382818126	0.705295564
## irregularity.ADC	9.338447e-01	0.4427166893	0.841853140
## Compactness_v1.ADC	6.403252e-01	0.9325816281	0.576963092
##	Dissimilarity_cooc.H.ADC	Inv_diff_cooc.H.ADC	
## Failure	0.02724605	-0.0243055490	
## Entropy_cooc.W.ADC	-0.03372833	0.0895652935	
## GLNU_align.H.PET	-0.10923509	0.0413467825	
## Min_hist.PET	0.53826120	0.4364373742	
## Max_hist.PET	0.51935946	0.4843710422	
## Mean_hist.PET	0.53620863	0.4375684426	
## Variance_hist.PET	0.27562638	0.2135437885	
## Standard_Deviation_hist.PET	0.52360441	0.4697412516	
## Skewness_hist.PET	0.43915787	0.5719880070	
## Kurtosis_hist.PET	0.03932559	0.2687505964	
## Energy_hist.PET	0.40562517	0.5947497803	
## Entropy_hist.PET	0.74799229	0.8237121057	
## AUC_hist.PET	0.90340451	0.9367042175	
## H_suv.PET	0.53769947	0.5154870201	

## Volume.PET	0.21447297	0.3036933842
## X3D_surface.PET	0.13805099	0.2682683379
## ratio_3ds_vol.PET	0.57711134	0.5804808542
## ratio_3ds_vol_norm.PET	0.53215059	0.6442586878
## irregularity.PET	0.90128638	0.8861112114
## tumor_length.PET	0.48375400	0.6354450283
## Compactness_v1.PET	0.48377583	0.6877061467
## Compactness_v2.PET	0.22036887	0.1304987789
## Spherical_disproportion.PET	0.53215059	0.6442586878
## Sphericity.PET	0.20644595	0.0983918098
## Asphericity.PET	0.51192069	0.6263199359
## Center_of_mass.PET	0.27440160	0.4067834919
## Max_3D_diam.PET	0.39107854	0.3739735720
## Major_axis_length.PET	0.44651149	0.4350611523
## Minor_axis_length.PET	0.54034038	0.6372304889
## Least_axis_length.PET	0.44632550	0.5204863446
## Elongation.PET	0.78471355	0.8208267205
## Flatness.PET	0.70892391	0.7483676257
## Max_cooc.L.PET	0.41045434	0.6358148108
## Average_cooc.L.PET	0.79744410	0.6895916112
## Variance_cooc.L.PET	0.65603634	0.5322864803
## Entropy_cooc.L.PET	0.90433207	0.8832450000
## DAVE_cooc.L.PET	0.75333762	0.6437850866
## DVAR_cooc.L.PET	0.66828345	0.5979845208
## DENT_cooc.L.PET	0.91187818	0.8675474531
## SAVE_cooc.L.PET	0.79731669	0.6891386198
## SVAR_cooc.L.PET	0.65335694	0.5419854178
## SENT_cooc.L.PET	0.91241338	0.8945105542
## ASM_cooc.L.PET	0.38355185	0.6137698830
## Contrast_cooc.L.PET	0.57192414	0.4450915092
## Dissimilarity_cooc.L.PET	0.75333762	0.6437850866
## Inv_diff_cooc.L.PET	0.73344537	0.8735948096
## Inv_diff_norm_cooc.L.PET	0.90314351	0.9276098997
## IDM_cooc.L.PET	0.63978218	0.8249442423
## IDM_norm_cooc.L.PET	0.91075579	0.9257561939
## Inv_var_cooc.L.PET	0.63992245	0.8329364494
## Correlation_cooc.L.PET	0.57025663	0.6355001605
## Autocorrelation_cooc.L.PET	0.61530597	0.4952002573
## Tendency_cooc.L.PET	0.65335694	0.5419854178
## Shade_cooc.L.PET	0.30781580	0.2800126544
## Prominence_cooc.L.PET	0.47431415	0.3717986695
## IC1_.L.PET	-0.43792639	-0.1689869993
## IC2_.L.PET	0.88023193	0.8046711854
## Coarseness_vdif_.L.PET	0.46265090	0.5829093813
## Contrast_vdif_.L.PET	0.28034732	0.1720402610
## Busyness_vdif_.L.PET	0.18273512	0.3368706854
## Complexity_vdif_.L.PET	0.71230538	0.6356760772
## Strength_vdif_.L.PET	0.33580869	0.2511030818
## SRE_align.L.PET	0.91894929	0.9215310944
## LRE_align.L.PET	0.90413859	0.9188298932
## GLNU_align.L.PET	0.15726648	0.2792059784
## RLNU_align.L.PET	0.15850447	0.2212397795
## RP_align.L.PET	0.91976912	0.9204132087
## LGRE_align.L.PET	0.53531005	0.7160622626

## HGRE_align.L.PET	0.64241681	0.5110552605
## LGSRE_align.L.PET	0.54104752	0.7213034987
## HGSRE_align.L.PET	0.64133992	0.5099193412
## LGHRE_align.L.PET	0.51011833	0.6916389535
## HGLRE_align.L.PET	0.64503541	0.5139789314
## GLNU_norm_align.L.PET	0.58435976	0.8035620499
## RLNU_norm_align.L.PET	0.92162585	0.9164140493
## GLVAR_align.L.PET	0.68010770	0.5571615979
## RLVAR_align.L.PET	0.53774838	0.7686524963
## Entropy_align.L.PET	0.91289207	0.8860553572
## SZSE.L.PET	0.89284602	0.9100740563
## LZSE.L.PET	0.63953657	0.6265407279
## LGLZE.L.PET	0.54661884	0.7283582380
## HGLZE.L.PET	0.65098300	0.5199940488
## SZLGE.L.PET	0.55747876	0.7412849285
## SZHGE.L.PET	0.63931272	0.5247735174
## LZLGE.L.PET	0.41250462	0.5853180201
## LZHGE.L.PET	0.55713825	0.3934300164
## GLNU_area.L.PET	0.15872481	0.2782206051
## ZSNU.L.PET	0.15897966	0.2197331839
## ZSP.L.PET	0.90471502	0.9088680692
## GLNU_norm.L.PET	0.58501291	0.8043213850
## ZSNU_norm.L.PET	0.91461219	0.9025015011
## GLVAR_area.L.PET	0.69084530	0.5679292487
## ZSVAR.L.PET	0.36544564	0.4923584906
## Entropy_area.L.PET	0.90868008	0.8907698199
## Max_cooc.H.PET	0.26871557	0.3429716911
## Average_cooc.H.PET	0.88962585	0.8938596547
## Variance_cooc.H.PET	0.81010992	0.7627632187
## Entropy_cooc.H.PET	0.80473110	0.7247118093
## DAVE_cooc.H.PET	0.83160298	0.7869075957
## DVAR_cooc.H.PET	0.80382392	0.7707774367
## DENT_cooc.H.PET	0.68822297	0.7136684865
## SAVE_cooc.H.PET	0.88801570	0.9035414581
## SVAR_cooc.H.PET	0.76149551	0.7852104762
## SENT_cooc.H.PET	0.66067483	0.7003408541
## ASM_cooc.H.PET	0.25417202	0.3497787353
## Contrast_cooc.H.PET	0.75337267	0.6940244399
## Dissimilarity_cooc.H.PET	0.83160298	0.7869075957
## Inv_diff_cooc.H.PET	0.59350780	0.6648948950
## Inv_diff_norm_cooc.H.PET	0.90985488	0.9242372357
## IDM_cooc.H.PET	0.49594983	0.5730456135
## IDM_norm_cooc.H.PET	0.91412974	0.9241771927
## Inv_var_cooc_.H.PET	0.53900813	0.7124715326
## Correlation_cooc.H.PET	0.58918080	0.6341606080
## Autocorrelation_cooc.H.PET	0.83195677	0.8459568542
## Tendency_cooc.H.PET	0.76831345	0.7316454441
## Shade_cooc.H.PET	-0.41212186	-0.3540847944
## Prominence_cooc.H.PET	0.57895399	0.5250825788
## IC1_d.H.PET	-0.11553457	0.0201825918
## IC2_d.H.PET	0.71239820	0.7275363879
## Coarseness_vdif.H.PET	0.38650533	0.5976047046
## Contrast_vdif.H.PET	0.29332090	0.2611509471
## Busyness_vdif.H.PET	0.01458641	0.0664521995

## Complexity_vdif.H.PET	0.64586055	0.6733390162
## Strength_vdif.H.PET	0.04362238	0.0053684586
## SRE_align.H.PET	0.90223861	0.8946580159
## LRE_align.H.PET	0.55697343	0.6051892806
## RLNU_align.H.PET	0.16763070	0.2186116130
## RP_align.H.PET	0.89524212	0.8812957758
## LGRE_align.H.PET	0.40511496	0.6223517899
## HGRE_align.H.PET	0.84029177	0.8463588565
## LGSRE_align.H.PET	0.40286396	0.6204456674
## HGSRE_align.H.PET	0.89154813	0.8814535819
## LGHRE_align.H.PET	0.41679259	0.6327319123
## HGLRE_align.H.PET	0.37681955	0.4184072366
## GLNU_norm_align.H.PET	0.44955107	0.5228468611
## RLNU_norm_align.H.PET	0.85592734	0.8314830274
## GLVAR_align.H.PET	0.77665232	0.7343286962
## RLVAR_align.H.PET	0.22108393	0.3003403572
## Entropy_align.H.PET	0.83388957	0.8145521007
## SZSE.H.PET	0.79034876	0.7999825567
## LZSE.H.PET	-0.07825975	-0.0456684261
## LGLZE.H.PET	0.40574265	0.6223057998
## HGLZE.H.PET	0.75043273	0.8280284457
## SZLGE.H.PET	0.39895708	0.6180235264
## SZHGE.H.PET	0.75809184	0.7745639622
## LZLGE.H.PET	-0.01747314	0.0378685914
## LZHGE.H.PET	-0.06315883	-0.0377943729
## GLNU_area.H.PET	0.16268690	0.2715888438
## ZSNU.H.PET	0.16098323	0.1783250412
## ZSP.H.PET	0.63379603	0.6158781994
## GLNU_norm.H.PET	0.47307433	0.5247767301
## ZSNU_norm.H.PET	0.68711663	0.6663017845
## GLVAR_area.H.PET	0.75367345	0.7180015096
## ZSVAR_H.PET	-0.07312931	-0.0390070151
## Entropy_area.H.PET	0.85949354	0.8719618982
## Max_cooc.W.PET	0.30953237	0.4233508311
## Average_cooc.W.PET	0.52279210	0.4438610098
## Variance_cooc.W.PET	0.27154812	0.2171742806
## Entropy_cooc.W.PET	0.80336628	0.7686991634
## DAVE_cooc.W.PET	0.54923527	0.4697087845
## DVAR_cooc.W.PET	0.31635968	0.2326421221
## DENT_cooc.W.PET	0.79228067	0.7571752788
## SAVE_cooc.W.PET	0.52214396	0.4427271233
## SVAR_cooc.W.PET	0.23922183	0.2035861130
## SENT_cooc.W.PET	0.83625234	0.8288235721
## ASM_cooc.W.PET	0.33491250	0.5024341660
## Contrast_cooc.W.PET	0.33146860	0.2326005000
## Dissimilarity_cooc.W.PET	0.54923527	0.4697087845
## Inv_diff_cooc.W.PET	0.66828907	0.7331656326
## Inv_diff_norm_cooc.W.PET	0.90405451	0.9275859776
## IDM_cooc.W.PET	0.54289396	0.6157201503
## IDM_norm_cooc.W.PET	0.91130263	0.9257543140
## Inv_var_cooc.W.PET	0.60709297	0.6846614645
## Correlation_cooc.W.PET	0.56901116	0.6357854554
## Autocorrelation_cooc.W.PET	0.28440072	0.1949651092
## Tendency_cooc.W.PET	0.23922183	0.2035861130

## Shade_cooc.W.PET	0.03157525	0.0653199708
## Prominence_cooc.W.PET	0.01269779	0.0231426626
## IC1_d.W.PET	-0.14760948	0.0321246698
## IC2_d.W.PET	0.79039497	0.7806439609
## Coarseness_vdif.W.PET	0.45074144	0.5239410811
## Contrast_vdif.W.PET	0.50233491	0.4179084224
## Busyness_vdif.W.PET	0.13036924	0.2070121245
## Complexity_vdif.W.PET	0.17520851	0.1507761177
## Strength_vdif.W.PET	0.22203200	0.2671877502
## SRE_align.W.PET	0.91582261	0.9155400340
## LRE_align.W.PET	0.78100360	0.8068087509
## GLNU_align.W.PET	0.14064574	0.2777274408
## RLNU_align.W.PET	0.16342256	0.2218022403
## RP_align.W.PET	0.91390375	0.9102736596
## LGRE_align.W.PET	0.43004673	0.5131831522
## HGRE_align.W.PET	0.29147327	0.1927458993
## LGSRE_align.W.PET	0.46370738	0.5512274752
## HGSRE_align.W.PET	0.28816508	0.1884879539
## LGHRE_align.W.PET	0.27824050	0.3449754516
## HGLRE_align.W.PET	0.30458924	0.2094082499
## GLNU_norm_align.W.PET	0.45096502	0.5477790215
## RLNU_norm_align.W.PET	0.90115673	0.8904067375
## GLVAR_align.W.PET	0.27547938	0.2130838653
## RLVAR_align.W.PET	0.29350961	0.3903628224
## Entropy_align.W.PET	0.83857333	0.8147609599
## SZSE.W.PET	0.86630899	0.8796894679
## LZSE.W.PET	0.11375758	0.1169171450
## LGLZE.W.PET	0.45305468	0.5410736918
## HGLZE.W.PET	0.29384939	0.1966734030
## SZLGE.W.PET	0.52200995	0.6300894737
## SZHGE.W.PET	0.28190608	0.1866921246
## LZLGE.W.PET	-0.01716278	0.0005641605
## LZHGE.W.PET	0.33321321	0.2255365578
## GLNU_area.W.PET	0.15331702	0.2847492175
## ZSNU.W.PET	0.16227038	0.2058614294
## ZSP.W.PET	0.80784860	0.8071640719
## GLNU_norm.W.PET	0.47474055	0.5650002792
## ZSNU_norm.W.PET	0.81381579	0.7987173507
## GLVAR_area.W.PET	0.27879053	0.2178705773
## ZSVAR.W.PET	0.02831275	0.0446365549
## Entropy_area.W.PET	0.86328707	0.8553196468
## Min_hist.ADC	0.42978456	0.2082378469
## Max_hist.ADC	0.69787531	0.9027679609
## Mean_hist.ADC	0.78676716	0.8126555140
## Variance_hist.ADC	0.21329834	0.5993319975
## Standard_Deviation_hist.ADC	0.51020785	0.8037169933
## Skewness_hist.ADC	0.19566236	0.1986285597
## Kurtosis_hist.ADC	0.34801620	0.2168329081
## Energy_hist.ADC	0.41801393	0.6006119915
## Entropy_hist.ADC	0.80987827	0.9248379865
## AUC_hist.ADC	0.87131574	0.9196993958
## Volume.ADC	0.19737548	0.2956541003
## X3D_surface.ADC	0.19808523	0.5418645760
## ratio_3ds_vol.ADC	0.74583374	0.5031967074

## ratio_3ds_vol_norm.ADC	0.82115779	0.8856822298
## irregularity.ADC	0.93033138	0.8409397967
## Compactness_v1.ADC	0.63780163	0.7803534959
##	Inv_diff_norm_cooc.H.ADC	IDM_cooc.H.ADC
## Failure	-0.0027824766	-0.0287251742
## Entropy_cooc.W.ADC	0.0371582655	0.1057173521
## GLNU_align.H.PET	-0.0286852755	0.0692340638
## Min_hist.PET	0.5207512804	0.3783121916
## Max_hist.PET	0.5428160671	0.4336268672
## Mean_hist.PET	0.5216212536	0.3791944435
## Variance_hist.PET	0.2577428453	0.1846072504
## Standard_Deviation_hist.PET	0.5336019390	0.4193431165
## Skewness_hist.PET	0.5465017206	0.5587455751
## Kurtosis_hist.PET	0.1719329965	0.2998876885
## Energy_hist.PET	0.4530559778	0.6849294735
## Entropy_hist.PET	0.8782795669	0.7508316104
## AUC_hist.PET	0.9951473797	0.8710956816
## H_suv.PET	0.5603346938	0.4762038007
## Volume.PET	0.3400134899	0.2445306562
## X3D_surface.PET	0.2346636372	0.2658628706
## ratio_3ds_vol.PET	0.5674280053	0.5899116399
## ratio_3ds_vol_norm.PET	0.5878790775	0.6674622735
## irregularity.PET	0.9642225672	0.8136181038
## tumor_length.PET	0.6151618884	0.6140966178
## Compactness_v1.PET	0.5627258844	0.7576979062
## Compactness_v2.PET	0.2272939247	0.0583603817
## Spherical_disproportion.PET	0.5878790775	0.6674622735
## Sphericity.PET	0.2277598419	0.0003834819
## Asphericity.PET	0.5661267882	0.6526092494
## Center_of_mass.PET	0.3836488711	0.3924956180
## Max_3D_diam.PET	0.4641584989	0.2894304144
## Major_axis_length.PET	0.5070644486	0.3659649626
## Minor_axis_length.PET	0.6695200648	0.5788680806
## Least_axis_length.PET	0.5673197742	0.4557766446
## Elongation.PET	0.8580673464	0.7748280389
## Flatness.PET	0.7965526659	0.6941323251
## Max_cooc.L.PET	0.4812783205	0.7288895952
## Average_cooc.L.PET	0.8008915203	0.6114797523
## Variance_cooc.L.PET	0.6348379766	0.4666100888
## Entropy_cooc.L.PET	0.9766432199	0.7976192895
## DAVE_cooc.L.PET	0.7462625010	0.5730280603
## DVAR_cooc.L.PET	0.6611250259	0.5522722180
## DENT_cooc.L.PET	0.9642365967	0.7847726361
## SAVE_cooc.L.PET	0.8006847308	0.6108708738
## SVAR_cooc.L.PET	0.6450090987	0.4733862267
## SENT_cooc.L.PET	0.9708980192	0.8251605623
## ASM_cooc.L.PET	0.4524381703	0.7123059932
## Contrast_cooc.L.PET	0.5331481968	0.3928607457
## Dissimilarity_cooc.L.PET	0.7462625010	0.5730280603
## Inv_diff_cooc.L.PET	0.8619504161	0.8476417320
## Inv_diff_norm_cooc.L.PET	0.9936817593	0.8564490392
## IDM_cooc.L.PET	0.7760153445	0.8236063890
## IDM_norm_cooc.L.PET	0.9965844363	0.8525011778
## Inv_var_cooc.L.PET	0.7812659145	0.8320833036

## Correlation_cooc.L.PET	0.6624968807	0.5936433704
## Autocorrelation_cooc.L.PET	0.5939237166	0.4340261393
## Tendency_cooc.L.PET	0.6450090987	0.4733862267
## Shade_cooc.L.PET	0.3215753336	0.2458644007
## Prominence_cooc.L.PET	0.4528872330	0.3224402883
## IC1_.L.PET	-0.3357280941	-0.0786433159
## IC2_.L.PET	0.8896234627	0.7425446486
## Coarseness_vdif_.L.PET	0.4825403118	0.6511112111
## Contrast_vdif_.L.PET	0.2215849599	0.1522184516
## Busyness_vdif_.L.PET	0.3318520456	0.3005762819
## Complexity_vdif_.L.PET	0.7069130147	0.5851105363
## Strength_vdif_.L.PET	0.2875879451	0.2377544832
## SRE_align.L.PET	0.9968494846	0.8472302649
## LRE_align.L.PET	0.9904155427	0.8448132648
## GLNU_align.L.PET	0.2727977554	0.2518719410
## RLNU_align.L.PET	0.2420648596	0.1833134165
## RP_align.L.PET	0.9964630913	0.8459108492
## LGRE_align.L.PET	0.6408624139	0.7407031629
## HGRE_align.L.PET	0.6140732933	0.4478978989
## LGSRE_align.L.PET	0.6455452901	0.7466600015
## HGSRE_align.L.PET	0.6125210893	0.4471378626
## LGHRE_align.L.PET	0.6187363843	0.7136525152
## HGLRE_align.L.PET	0.6185054762	0.4494267514
## GLNU_norm_align.L.PET	0.6912464341	0.8559706005
## RLNU_norm_align.L.PET	0.9944351687	0.8415282498
## GLVAR_align.L.PET	0.6619838411	0.4894341520
## RLVAR_align.L.PET	0.6564056036	0.8181704675
## Entropy_align.L.PET	0.9805267569	0.8010851152
## SZSE.L.PET	0.9762218878	0.8410435783
## LZSE.L.PET	0.6889611060	0.5682406455
## LGLZE.L.PET	0.6525665452	0.7532241491
## HGLZE.L.PET	0.6237317837	0.4558464111
## SZLGE.L.PET	0.6617757037	0.7693254561
## SZHGE.L.PET	0.6203877029	0.4640792677
## LZLGE.L.PET	0.5205371836	0.6012449238
## LZHGE.L.PET	0.5049119222	0.3304084586
## GLNU_area.L.PET	0.2742035182	0.2493390531
## ZSNU.L.PET	0.2431620223	0.1799235778
## ZSP.L.PET	0.9814139384	0.8369532607
## GLNU_norm.L.PET	0.6914905532	0.8572407820
## ZSNU_norm.L.PET	0.9816127304	0.8283172880
## GLVAR_area.L.PET	0.6728628674	0.4998586239
## ZSVAR.L.PET	0.4580853958	0.4920984414
## Entropy_area.L.PET	0.9819770955	0.8065977284
## Max_cooc.H.PET	0.3146730151	0.3534891465
## Average_cooc.H.PET	0.9724140117	0.8166335355
## Variance_cooc.H.PET	0.8515471787	0.6875401221
## Entropy_cooc.H.PET	0.8279743923	0.6438806786
## DAVE_cooc.H.PET	0.8738651009	0.7124312870
## DVAR_cooc.H.PET	0.8508812460	0.7005402190
## DENT_cooc.H.PET	0.7757560797	0.6440624469
## SAVE_cooc.H.PET	0.9799518810	0.8255655762
## SVAR_cooc.H.PET	0.8449997830	0.7207614844
## SENT_cooc.H.PET	0.6913836251	0.6969930371

## ASM_cooc.H.PET	0.3007136832	0.3758610161
## Contrast_cooc.H.PET	0.7779566696	0.6265949732
## Dissimilarity_cooc.H.PET	0.8738651009	0.7124312870
## Inv_diff_cooc.H.PET	0.6787777834	0.6350894460
## Inv_diff_norm_cooc.H.PET	0.9943847303	0.8521140028
## IDM_cooc.H.PET	0.5752200231	0.5534514043
## IDM_norm_cooc.H.PET	0.9968217852	0.8505918488
## Inv_var_cooc_.H.PET	0.6007052522	0.7749110131
## Correlation_cooc.H.PET	0.6678226455	0.5906521642
## Autocorrelation_cooc.H.PET	0.9160826576	0.7751448110
## Tendency_cooc.H.PET	0.8151417839	0.6589186093
## Shade_cooc.H.PET	-0.4094996674	-0.3166128883
## Prominence_cooc.H.PET	0.5985501136	0.4666006169
## IC1_d.H.PET	-0.1033699499	0.1023490545
## IC2_d.H.PET	0.7804849884	0.6731850212
## Coarseness_vdif.H.PET	0.4441267067	0.6937129356
## Contrast_vdif.H.PET	0.2875602957	0.2453927767
## Busyness_vdif.H.PET	0.1344045846	-0.0104545546
## Complexity_vdif.H.PET	0.6582190833	0.6798383053
## Strength_vdif.H.PET	0.0202458734	0.0030762079
## SRE_align.H.PET	0.9701329565	0.8219364005
## LRE_align.H.PET	0.6423473936	0.5587808609
## RLNU_align.H.PET	0.2399546018	0.1825921088
## RP_align.H.PET	0.9577140699	0.8091895409
## LGRE_align.H.PET	0.4685460404	0.7171029340
## HGRE_align.H.PET	0.9204975946	0.7732458745
## LGSRE_align.H.PET	0.4661446906	0.7155883150
## HGSRE_align.H.PET	0.9638092897	0.8031452505
## LGHRE_align.H.PET	0.4814600958	0.7253835104
## HGLRE_align.H.PET	0.4420602658	0.3875084521
## GLNU_norm_align.H.PET	0.5181312263	0.5109224468
## RLNU_norm_align.H.PET	0.9065801311	0.7628729076
## GLVAR_align.H.PET	0.8188695117	0.6620401418
## RLVAR_align.H.PET	0.2908112910	0.2917625559
## Entropy_align.H.PET	0.8985236185	0.7367204289
## SZSE.H.PET	0.8559849762	0.7404836718
## LZSE.H.PET	-0.0553827138	-0.0439492663
## LGLZE.H.PET	0.4692066488	0.7166049769
## HGLZE.H.PET	0.8756438454	0.7619276762
## SZLGE.H.PET	0.4630489311	0.7134867241
## SZHGE.H.PET	0.8331629014	0.7098694646
## LZLGE.H.PET	0.0089105823	0.0524447557
## LZHGE.H.PET	-0.0473772949	-0.0342188373
## GLNU_area.H.PET	0.2835828565	0.2304455735
## ZSNU.H.PET	0.2065347306	0.1439117784
## ZSP.H.PET	0.6706997064	0.5645625446
## GLNU_norm.H.PET	0.5287879929	0.5102735375
## ZSNU_norm.H.PET	0.7224093621	0.6142738508
## GLVAR_area.H.PET	0.7984287030	0.6480429976
## ZSVAR_H.PET	-0.0524820947	-0.0343306885
## Entropy_area.H.PET	0.9480472262	0.7941222914
## Max_cooc.W.PET	0.3537962968	0.4639813341
## Average_cooc.W.PET	0.5205172772	0.3883887950
## Variance_cooc.W.PET	0.2581359245	0.1894442903

## Entropy_cooc.W.PET	0.8545615065	0.6922323429
## DAVE_cooc.W.PET	0.5456038454	0.4144841330
## DVAR_cooc.W.PET	0.2887365227	0.1979782055
## DENT_cooc.W.PET	0.8388319613	0.6846291440
## SAVE_cooc.W.PET	0.5197339088	0.3870367243
## SVAR_cooc.W.PET	0.2344839921	0.1806552464
## SENT_cooc.W.PET	0.8942223250	0.7657598384
## ASM_cooc.W.PET	0.3922692704	0.5689455580
## Contrast_cooc.W.PET	0.2964591250	0.1946548329
## Dissimilarity_cooc.W.PET	0.5456038454	0.4144841330
## Inv_diff_cooc.W.PET	0.7574937891	0.6946456082
## Inv_diff_norm_cooc.W.PET	0.9938984840	0.8564355686
## IDM_cooc.W.PET	0.6248374625	0.5905309019
## IDM_norm_cooc.W.PET	0.9966628488	0.8525381399
## Inv_var_cooc.W.PET	0.6950093736	0.6565405076
## Correlation_cooc.W.PET	0.6620600693	0.5942269246
## Autocorrelation_cooc.W.PET	0.2527280769	0.1605134594
## Tendency_cooc.W.PET	0.2344839921	0.1806552464
## Shade_cooc.W.PET	0.0485685672	0.0706720993
## Prominence_cooc.W.PET	0.0145277081	0.0267870455
## IC1_d.W.PET	-0.1180412032	0.1289800792
## IC2_d.W.PET	0.8441441575	0.7228672204
## Coarseness_vdif.W.PET	0.4484258349	0.5800434247
## Contrast_vdif.W.PET	0.4759677800	0.3833816618
## Busyness_vdif.W.PET	0.2435111267	0.1566377010
## Complexity_vdif.W.PET	0.1693323488	0.1365201477
## Strength_vdif.W.PET	0.2556331820	0.2659437103
## SRE_align.W.PET	0.9906886919	0.8416466446
## LRE_align.W.PET	0.8679675623	0.7419844253
## GLNU_align.W.PET	0.2812431273	0.2389855621
## RLNU_align.W.PET	0.2415771143	0.1856330958
## RP_align.W.PET	0.9861354174	0.8364601265
## LGRE_align.W.PET	0.5022908064	0.5038399831
## HGRE_align.W.PET	0.2545500107	0.1565586625
## LGSRE_align.W.PET	0.5385592002	0.5421786167
## HGSRE_align.W.PET	0.2501795337	0.1526238471
## LGHRE_align.W.PET	0.3383929640	0.3364752360
## HGLRE_align.W.PET	0.2718090253	0.1718583359
## GLNU_norm_align.W.PET	0.5201910341	0.5520855506
## RLNU_norm_align.W.PET	0.9665862599	0.8176851546
## GLVAR_align.W.PET	0.2575437548	0.1839399914
## RLVAR_align.W.PET	0.3662179964	0.3916670294
## Entropy_align.W.PET	0.9004408823	0.7362462116
## SZSE.W.PET	0.9420753556	0.8137804431
## LZSE.W.PET	0.1285304665	0.1064247516
## LGLZE.W.PET	0.5271174026	0.5331092169
## HGLZE.W.PET	0.2582025569	0.1602776844
## SZLGE.W.PET	0.6025829183	0.6287662265
## SZHGE.W.PET	0.2462957499	0.1516349499
## LZLGE.W.PET	0.0009155986	-0.0023899211
## LZHGE.W.PET	0.2922433148	0.1875206153
## GLNU_area.W.PET	0.2903994790	0.2447893479
## ZSNU.W.PET	0.2279428534	0.1708820223
## ZSP.W.PET	0.8709722607	0.7431210030

## GLNU_norm.W.PET	0.5392571125	0.5691107481
## ZSNU_norm.W.PET	0.8652170616	0.7351208589
## GLVAR_area.W.PET	0.2614826474	0.1891227581
## ZSVAR.W.PET	0.0415209438	0.0443133782
## Entropy_area.W.PET	0.9390243025	0.7752606718
## Min_hist.ADC	0.3154074708	0.1637685372
## Max_hist.ADC	0.8973644841	0.8534420569
## Mean_hist.ADC	0.8682011357	0.7491618111
## Variance_hist.ADC	0.4833977249	0.6126494978
## Standard_Deviation_hist.ADC	0.7508323012	0.7798226127
## Skewness_hist.ADC	0.2305408906	0.1726269509
## Kurtosis_hist.ADC	0.2560371638	0.2022678409
## Energy_hist.ADC	0.4616024464	0.6905672091
## Entropy_hist.ADC	0.9588890575	0.8605069360
## AUC_hist.ADC	0.9782443503	0.8510249639
## Volume.ADC	0.3285255926	0.2376764631
## X3D_surface.ADC	0.4568291982	0.5347574911
## ratio_3ds_vol.ADC	0.6304429550	0.4457251530
## ratio_3ds_vol_norm.ADC	0.9436160122	0.8110119029
## irregularity.ADC	0.9505029157	0.7587745536
## Compactness_v1.ADC	0.6961676260	0.8271520625
##	IDM_norm_cooc.H.ADC	Inv_var_cooc.H.ADC
## Failure	-0.0006699894	0.002685726
## Entropy_cooc.W.ADC	0.0327168358	0.066807766
## GLNU_align.H.PET	-0.0334810793	0.049132433
## Min_hist.PET	0.5239239307	0.370617393
## Max_hist.PET	0.5437505324	0.420722779
## Mean_hist.PET	0.5247593986	0.370043399
## Variance_hist.PET	0.2594883738	0.174522489
## Standard_Deviation_hist.PET	0.5353885781	0.411075524
## Skewness_hist.PET	0.5420345360	0.563372224
## Kurtosis_hist.PET	0.1637169930	0.290820028
## Energy_hist.PET	0.4495924928	0.710587985
## Entropy_hist.PET	0.8768623045	0.749099353
## AUC_hist.PET	0.9956116266	0.884139121
## H_suv.PET	0.5614784404	0.475015457
## Volume.PET	0.3370365020	0.219937128
## X3D_surface.PET	0.2306820417	0.250160345
## ratio_3ds_vol.PET	0.5683206069	0.620818780
## ratio_3ds_vol_norm.PET	0.5853411560	0.674851476
## irregularity.PET	0.9660396754	0.834122839
## tumor_length.PET	0.6110141603	0.603191793
## Compactness_v1.PET	0.5586955169	0.772233891
## Compactness_v2.PET	0.2294345142	0.043655042
## Spherical_disproportion.PET	0.5853411560	0.674851476
## Sphericity.PET	0.2304668461	-0.013621462
## Asphericity.PET	0.5634935139	0.659699541
## Center_of_mass.PET	0.3794969226	0.384865803
## Max_3D_diam.PET	0.4643911591	0.269799060
## Major_axis_length.PET	0.5072119536	0.349769367
## Minor_axis_length.PET	0.6667714395	0.559586083
## Least_axis_length.PET	0.5654488152	0.433851725
## Elongation.PET	0.8583334824	0.784727857
## Flatness.PET	0.7972947725	0.699906021

## Max_cooc.L.PET	0.4766236463	0.749941290
## Average_cooc.L.PET	0.8060673691	0.637884410
## Variance_cooc.L.PET	0.6402784515	0.505177651
## Entropy_cooc.L.PET	0.9786165913	0.808455017
## DAVE_cooc.L.PET	0.7510441834	0.606443415
## DVAR_cooc.L.PET	0.6639198532	0.583485676
## DENT_cooc.L.PET	0.9669994431	0.805091316
## SAVE_cooc.L.PET	0.8058684875	0.637262297
## SVAR_cooc.L.PET	0.6502235692	0.509769380
## SENT_cooc.L.PET	0.9731226201	0.845102846
## ASM_cooc.L.PET	0.4476628942	0.732097743
## Contrast_cooc.L.PET	0.5382171953	0.429703194
## Dissimilarity_cooc.L.PET	0.7510441834	0.606443415
## Inv_diff_cooc.L.PET	0.8587792810	0.846773241
## Inv_diff_norm_cooc.L.PET	0.9942410885	0.866876824
## IDM_cooc.L.PET	0.7714543298	0.821209990
## IDM_norm_cooc.L.PET	0.9974664527	0.864437540
## Inv_var_cooc.L.PET	0.7764014015	0.828318141
## Correlation_cooc.L.PET	0.6618320534	0.589494255
## Autocorrelation_cooc.L.PET	0.5995790203	0.464390354
## Tendency_cooc.L.PET	0.6502235692	0.509769380
## Shade_cooc.L.PET	0.3225573598	0.265977345
## Prominence_cooc.L.PET	0.4574879232	0.361720374
## IC1_.L.PET	-0.3446752448	-0.121295894
## IC2_.L.PET	0.8937128832	0.775252444
## Coarseness_vdif_.L.PET	0.4812023515	0.685834972
## Contrast_vdif_.L.PET	0.2257777970	0.181674144
## Busyness_vdif_.L.PET	0.3268651564	0.278774739
## Complexity_vdif_.L.PET	0.7103622156	0.616107431
## Strength_vdif_.L.PET	0.2910415124	0.273698357
## SRE_align.L.PET	0.9981672581	0.862055309
## LRE_align.L.PET	0.9912511656	0.856196653
## GLNU_align.L.PET	0.2686053619	0.230320058
## RLNU_align.L.PET	0.2398523168	0.161483441
## RP_align.L.PET	0.9978446291	0.861081942
## LGRE_align.L.PET	0.6363021043	0.752012430
## HGRE_align.L.PET	0.6199740560	0.478302760
## LGSRE_align.L.PET	0.6410379404	0.758337354
## HGSRE_align.L.PET	0.6184137555	0.477842631
## LGHRE_align.L.PET	0.6139951626	0.723342974
## HGLRE_align.L.PET	0.6244262649	0.478514232
## GLNU_norm_align.L.PET	0.6863604841	0.874396357
## RLNU_norm_align.L.PET	0.9960095215	0.857802886
## GLVAR_align.L.PET	0.6675155301	0.525163391
## RLVAR_align.L.PET	0.6511055212	0.822483424
## Entropy_align.L.PET	0.9827496786	0.813366156
## SZSE.L.PET	0.9771242732	0.854417333
## LZSE.L.PET	0.6900211825	0.577654003
## LGLZE.L.PET	0.6479895845	0.764327101
## HGLZE.L.PET	0.6295962747	0.486369583
## SZLGE.L.PET	0.6572519761	0.780296230
## SZHGE.L.PET	0.6257076455	0.493489585
## LZLGE.L.PET	0.5155749741	0.608130078
## LZHGE.L.PET	0.5115528941	0.358126121

## GLNU_area.L.PET	0.2701227760	0.227338316
## ZSNU.L.PET	0.2410373026	0.157794567
## ZSP.L.PET	0.9827257746	0.852070251
## GLNU_norm.L.PET	0.6866205377	0.875475553
## ZSNU_norm.L.PET	0.9834347066	0.845707216
## GLVAR_area.L.PET	0.6783702548	0.535470056
## ZSVAR.L.PET	0.4546707659	0.488817230
## Entropy_area.L.PET	0.9838850558	0.817568232
## Max_cooc.H.PET	0.3137449486	0.382029718
## Average_cooc.H.PET	0.9737263332	0.836194081
## Variance_cooc.H.PET	0.8539846991	0.690663779
## Entropy_cooc.H.PET	0.8311195752	0.656739831
## DAVE_cooc.H.PET	0.8761094991	0.725146103
## DVAR_cooc.H.PET	0.8528927093	0.715256410
## DENT_cooc.H.PET	0.7753065766	0.631892285
## SAVE_cooc.H.PET	0.9808463469	0.842000645
## SVAR_cooc.H.PET	0.8454132631	0.716171301
## SENT_cooc.H.PET	0.6912915517	0.706121282
## ASM_cooc.H.PET	0.2995172432	0.406409259
## Contrast_cooc.H.PET	0.7805779240	0.641898353
## Dissimilarity_cooc.H.PET	0.8761094991	0.725146103
## Inv_diff_cooc.H.PET	0.6783065346	0.658053351
## Inv_diff_norm_cooc.H.PET	0.9953909616	0.866451081
## IDM_cooc.H.PET	0.5745181681	0.577341363
## IDM_norm_cooc.H.PET	0.9979168920	0.864403864
## Inv_var_cooc_.H.PET	0.5970146561	0.785466431
## Correlation_cooc.H.PET	0.6677773652	0.583423660
## Autocorrelation_cooc.H.PET	0.9172181467	0.797887721
## Tendency_cooc.H.PET	0.8172629668	0.655180909
## Shade_cooc.H.PET	-0.4123239389	-0.317654807
## Prominence_cooc.H.PET	0.6009010569	0.454540529
## IC1_d.H.PET	-0.1075668325	0.103452714
## IC2_d.H.PET	0.7814447915	0.675891176
## Coarseness_vdif.H.PET	0.4400092014	0.716745538
## Contrast_vdif.H.PET	0.2896748398	0.273802014
## Busyness_vdif.H.PET	0.1327402201	-0.024621764
## Complexity_vdif.H.PET	0.6587143198	0.705105513
## Strength_vdif.H.PET	0.0222804448	0.027455373
## SRE_align.H.PET	0.9715123831	0.832594957
## LRE_align.H.PET	0.6422274717	0.579173290
## RLNU_align.H.PET	0.2379855581	0.160372786
## RP_align.H.PET	0.9592513136	0.819833467
## LGRE_align.H.PET	0.4642315220	0.735932258
## HGRE_align.H.PET	0.9217820935	0.795824116
## LGSRE_align.H.PET	0.4618170447	0.734466780
## HGSRE_align.H.PET	0.9653312155	0.822228394
## LGHRE_align.H.PET	0.4772035336	0.744081381
## HGLRE_align.H.PET	0.4420489941	0.408498989
## GLNU_norm_align.H.PET	0.5175172903	0.541471254
## RLNU_norm_align.H.PET	0.9082434672	0.771674145
## GLVAR_align.H.PET	0.8210945858	0.662120305
## RLVAR_align.H.PET	0.2893943954	0.306024241
## Entropy_align.H.PET	0.9000181569	0.736116147
## SZSE.H.PET	0.8563506715	0.739516134

## LZSE.H.PET	-0.0565087502	-0.042770114
## LGLZE.H.PET	0.4649242980	0.735421494
## HGLZE.H.PET	0.8744636427	0.773043860
## SZLGE.H.PET	0.4586819262	0.732360391
## SZHGE.H.PET	0.8330192534	0.712905098
## LZLGE.H.PET	0.0073717144	0.054869875
## LZHGE.H.PET	-0.0481659626	-0.027425606
## GLNU_area.H.PET	0.2799672391	0.208392555
## ZSNU.H.PET	0.2054851228	0.122336657
## ZSP.H.PET	0.6715501023	0.561947518
## GLNU_norm.H.PET	0.5289151767	0.543106671
## ZSNU_norm.H.PET	0.7234378231	0.611703031
## GLVAR_area.H.PET	0.8004245484	0.646096910
## ZSVAR_H.PET	-0.0536847556	-0.032413199
## Entropy_area.H.PET	0.9487826529	0.796302866
## Max_cooc.W.PET	0.3521862871	0.494431404
## Average_cooc.W.PET	0.5232324973	0.379824493
## Variance_cooc.W.PET	0.2596700127	0.181647066
## Entropy_cooc.W.PET	0.8562824797	0.691267982
## DAVE_cooc.W.PET	0.5481919069	0.414786994
## DVAR_cooc.W.PET	0.2911303983	0.196045645
## DENT_cooc.W.PET	0.8404913692	0.686765597
## SAVE_cooc.W.PET	0.5224593384	0.378430264
## SVAR_cooc.W.PET	0.2354335939	0.170018347
## SENT_cooc.W.PET	0.8954768656	0.770334738
## ASM_cooc.W.PET	0.3894077907	0.599206748
## Contrast_cooc.W.PET	0.2993924904	0.194964475
## Dissimilarity_cooc.W.PET	0.5481919069	0.414786994
## Inv_diff_cooc.W.PET	0.7572786281	0.717199030
## Inv_diff_norm_cooc.W.PET	0.9944944755	0.867220303
## IDM_cooc.W.PET	0.6243511570	0.614404337
## IDM_norm_cooc.W.PET	0.9975606752	0.864571538
## Inv_var_cooc.W.PET	0.6943597019	0.678932908
## Correlation_cooc.W.PET	0.6613363337	0.589335565
## Autocorrelation_cooc.W.PET	0.2553934072	0.147188884
## Tendency_cooc.W.PET	0.2354335939	0.170018347
## Shade_cooc.W.PET	0.0472506267	0.066298496
## Prominence_cooc.W.PET	0.0139135663	0.021933025
## IC1_d.W.PET	-0.1233722656	0.125109499
## IC2_d.W.PET	0.8459828003	0.736347584
## Coarseness_vdif.W.PET	0.4484329526	0.618097967
## Contrast_vdif.W.PET	0.4793700991	0.401641949
## Busyness_vdif.W.PET	0.2421764319	0.169364533
## Complexity_vdif.W.PET	0.1696513524	0.127475290
## Strength_vdif.W.PET	0.2543371229	0.281011179
## SRE_align.W.PET	0.9919595183	0.854048184
## LRE_align.W.PET	0.8687367880	0.761375677
## GLNU_align.W.PET	0.2770024124	0.220252298
## RLNU_align.W.PET	0.2394282979	0.163611060
## RP_align.W.PET	0.9874835090	0.848628564
## LGRE_align.W.PET	0.5011055467	0.530297981
## HGRE_align.W.PET	0.2574361219	0.143132039
## LGSRE_align.W.PET	0.5372540815	0.568548298
## HGSRE_align.W.PET	0.2530792052	0.139490796

## LGHRE_align.W.PET	0.3375171747	0.361153283
## HGLRE_align.W.PET	0.2746499731	0.157358781
## GLNU_norm_align.W.PET	0.5190570102	0.583838783
## RLNU_norm_align.W.PET	0.9680167219	0.828534407
## GLVAR_align.W.PET	0.2592856388	0.173682972
## RLVAR_align.W.PET	0.3646487691	0.410307477
## Entropy_align.W.PET	0.9020425197	0.736231446
## SZSE.W.PET	0.9426654114	0.819369666
## LZSE.W.PET	0.1289439556	0.126835415
## LGLZE.W.PET	0.5257569998	0.558064274
## HGLZE.W.PET	0.2610287142	0.147394059
## SZLGE.W.PET	0.6004977808	0.649100185
## SZHGE.W.PET	0.2490355839	0.139523245
## LZLGE.W.PET	0.0007705799	0.012990897
## LZHGE.W.PET	0.2956611098	0.179115640
## GLNU_area.W.PET	0.2862387089	0.223630165
## ZSNU.W.PET	0.2261616408	0.148752571
## ZSP.W.PET	0.8717692154	0.744963997
## GLNU_norm.W.PET	0.5383467011	0.601078371
## ZSNU_norm.W.PET	0.8663182635	0.737960478
## GLVAR_area.W.PET	0.2631710553	0.179207343
## ZSVAR.W.PET	0.0412287079	0.059689460
## Entropy_area.W.PET	0.9403306014	0.778167321
## Min_hist.ADC	0.3231760760	0.214516868
## Max_hist.ADC	0.8916973690	0.839278209
## Mean_hist.ADC	0.8676471996	0.766842480
## Variance_hist.ADC	0.4718691468	0.591202713
## Standard_Deviation_hist.ADC	0.7426767809	0.768814557
## Skewness_hist.ADC	0.2324374024	0.176463195
## Kurtosis_hist.ADC	0.2581695606	0.184043464
## Energy_hist.ADC	0.4584303698	0.720270899
## Entropy_hist.ADC	0.9563957357	0.846988423
## AUC_hist.ADC	0.9784648197	0.860342425
## Volume.ADC	0.3253047300	0.211353593
## X3D_surface.ADC	0.4463400504	0.482330188
## ratio_3ds_vol.ADC	0.6397760329	0.522370154
## ratio_3ds_vol_norm.ADC	0.9425196021	0.814311278
## irregularity.ADC	0.9549411434	0.795777980
## Compactness_v1.ADC	0.6942972168	0.853020177
##	Correlation_cooc.H.ADC	Autocorrelation_cooc.H.ADC
## Failure	-0.034420837	-0.01232503
## Entropy_cooc.W.ADC	0.100588513	0.02571444
## GLNU_align.H.PET	0.081355514	-0.03871623
## Min_hist.PET	0.290973316	0.52232111
## Max_hist.PET	0.353506343	0.52996902
## Mean_hist.PET	0.295577480	0.51347635
## Variance_hist.PET	0.128315141	0.23192653
## Standard_Deviation_hist.PET	0.330027474	0.51086912
## Skewness_hist.PET	0.448537803	0.54388571
## Kurtosis_hist.PET	0.253137415	0.16626111
## Energy_hist.PET	0.299684752	0.40732446
## Entropy_hist.PET	0.705686880	0.85361824
## AUC_hist.PET	0.716043900	0.97060350
## H_suv.PET	0.360935975	0.53335658

## Volume.PET	0.385940154	0.30570692
## X3D_surface.PET	0.262519237	0.24106820
## ratio_3ds_vol.PET	0.294231697	0.56088656
## ratio_3ds_vol_norm.PET	0.391423371	0.55678188
## irregularity.PET	0.660626940	0.95519504
## tumor_length.PET	0.531166395	0.59520887
## Compactness_v1.PET	0.415863574	0.50233332
## Compactness_v2.PET	0.166370620	0.23477443
## Spherical_disproportion.PET	0.391423371	0.55678188
## Sphericity.PET	0.199695731	0.24189778
## Asphericity.PET	0.375697767	0.53505349
## Center_of_mass.PET	0.361939869	0.36256999
## Max_3D_diam.PET	0.396690803	0.46101625
## Major_axis_length.PET	0.397110951	0.49804274
## Minor_axis_length.PET	0.573128562	0.64767115
## Least_axis_length.PET	0.513872210	0.55168624
## Elongation.PET	0.596058687	0.84442230
## Flatness.PET	0.599990077	0.78569142
## Max_cooc.L.PET	0.346305420	0.42559497
## Average_cooc.L.PET	0.494413841	0.78332105
## Variance_cooc.L.PET	0.359595836	0.63259966
## Entropy_cooc.L.PET	0.684866087	0.94805455
## DAVE_cooc.L.PET	0.438989869	0.74415792
## DVAR_cooc.L.PET	0.367105731	0.65912397
## DENT_cooc.L.PET	0.649017999	0.94761215
## SAVE_cooc.L.PET	0.494234028	0.78318153
## SVAR_cooc.L.PET	0.388229444	0.63373815
## SENT_cooc.L.PET	0.657587830	0.94577836
## ASM_cooc.L.PET	0.325609079	0.39372781
## Contrast_cooc.L.PET	0.265649724	0.54557521
## Dissimilarity_cooc.L.PET	0.438989869	0.74415792
## Inv_diff_cooc.L.PET	0.675042479	0.83271145
## Inv_diff_norm_cooc.L.PET	0.714317165	0.97067910
## IDM_cooc.L.PET	0.627921227	0.74506672
## IDM_norm_cooc.L.PET	0.710377670	0.97396439
## Inv_var_cooc.L.PET	0.637134810	0.74596093
## Correlation_cooc.L.PET	0.526128243	0.62877189
## Autocorrelation_cooc.L.PET	0.340417567	0.57783283
## Tendency_cooc.L.PET	0.388229444	0.63373815
## Shade_cooc.L.PET	0.212644272	0.31607157
## Prominence_cooc.L.PET	0.253312697	0.45167865
## IC1_.L.PET	-0.083993832	-0.39538791
## IC2_.L.PET	0.541567170	0.88230022
## Coarseness_vdif_.L.PET	0.287123963	0.44742763
## Contrast_vdif_.L.PET	0.052183798	0.26853674
## Busyness_vdif_.L.PET	0.402153974	0.32042693
## Complexity_vdif_.L.PET	0.406822752	0.71483909
## Strength_vdif_.L.PET	0.108428474	0.33336537
## SRE_align.L.PET	0.700108019	0.97519038
## LRE_align.L.PET	0.706378155	0.97191688
## GLNU_align.L.PET	0.314795896	0.27351196
## RLNU_align.L.PET	0.261017518	0.24671991
## RP_align.L.PET	0.698289740	0.97502825
## LGRE_align.L.PET	0.499370507	0.62267460

## HGRE_align.L.PET	0.339959366	0.59999978
## LGSRE_align.L.PET	0.500647693	0.62625318
## HGSRE_align.L.PET	0.338134740	0.59837658
## LGHRE_align.L.PET	0.490510422	0.60453870
## HGLRE_align.L.PET	0.345908441	0.60493152
## GLNU_norm_align.L.PET	0.525148123	0.65141822
## RLNU_norm_align.L.PET	0.691819372	0.97333518
## GLVAR_align.L.PET	0.380776825	0.65422185
## RLVAR_align.L.PET	0.521720222	0.60773953
## Entropy_align.L.PET	0.680788593	0.95436730
## SZSE.L.PET	0.696917047	0.94887351
## LZSE.L.PET	0.469545839	0.69469261
## LGLZE.L.PET	0.504859847	0.63259620
## HGLZE.L.PET	0.346610253	0.61011869
## SZLGE.L.PET	0.507452376	0.63638523
## SZHGE.L.PET	0.355817945	0.60343836
## LZLGE.L.PET	0.430363370	0.51719666
## LZHGE.L.PET	0.239661619	0.50788452
## GLNU_area.L.PET	0.317537398	0.27420007
## ZSNU.L.PET	0.264927514	0.24648981
## ZSP.L.PET	0.691254891	0.95663868
## GLNU_norm.L.PET	0.524715966	0.65072484
## ZSNU_norm.L.PET	0.678107603	0.96144096
## GLVAR_area.L.PET	0.385829357	0.66355166
## ZSVAR.L.PET	0.377951613	0.44711382
## Entropy_area.L.PET	0.688305217	0.95522379
## Max_cooc.H.PET	0.248352370	0.30872559
## Average_cooc.H.PET	0.695917414	0.95774393
## Variance_cooc.H.PET	0.563849376	0.83138847
## Entropy_cooc.H.PET	0.525196572	0.81334768
## DAVE_cooc.H.PET	0.574836102	0.85996256
## DVAR_cooc.H.PET	0.569990656	0.83534372
## DENT_cooc.H.PET	0.584772578	0.77270168
## SAVE_cooc.H.PET	0.711703893	0.96965059
## SVAR_cooc.H.PET	0.622183552	0.82869554
## SENT_cooc.H.PET	0.426789189	0.65916828
## ASM_cooc.H.PET	0.239322484	0.28359560
## Contrast_cooc.H.PET	0.493749659	0.76690394
## Dissimilarity_cooc.H.PET	0.574836102	0.85996256
## Inv_diff_cooc.H.PET	0.523336419	0.66082607
## Inv_diff_norm_cooc.H.PET	0.708075129	0.97245386
## IDM_cooc.H.PET	0.453344125	0.55962498
## IDM_norm_cooc.H.PET	0.706749868	0.97526984
## Inv_var_cooc_.H.PET	0.403684390	0.54144779
## Correlation_cooc.H.PET	0.510831285	0.63568290
## Autocorrelation_cooc.H.PET	0.666376472	0.90375171
## Tendency_cooc.H.PET	0.551284869	0.79187478
## Shade_cooc.H.PET	-0.243251272	-0.41118708
## Prominence_cooc.H.PET	0.385715964	0.57991076
## IC1_d.H.PET	-0.078815073	-0.12993262
## IC2_d.H.PET	0.563419494	0.76045403
## Coarseness_vdif.H.PET	0.307315538	0.38886388
## Contrast_vdif.H.PET	0.164036683	0.29783466
## Busyness_vdif.H.PET	0.280223357	0.12780175

## Complexity_vdif.H.PET	0.378428818	0.63611559
## Strength_vdif.H.PET	-0.008887352	0.03803292
## SRE_align.H.PET	0.667408326	0.94923015
## LRE_align.H.PET	0.506132943	0.63116659
## RLNU_align.H.PET	0.243020373	0.24152045
## RP_align.H.PET	0.652431702	0.93792157
## LGRE_align.H.PET	0.329873971	0.40613445
## HGRE_align.H.PET	0.662648856	0.90881137
## LGSRE_align.H.PET	0.328155240	0.40375968
## HGSRE_align.H.PET	0.673297865	0.95254557
## LGHRE_align.H.PET	0.339692148	0.41905906
## HGLRE_align.H.PET	0.362301964	0.43485236
## GLNU_norm_align.H.PET	0.403287501	0.50640386
## RLNU_norm_align.H.PET	0.603836944	0.88793193
## GLVAR_align.H.PET	0.546001635	0.79900457
## RLVAR_align.H.PET	0.272005577	0.27927786
## Entropy_align.H.PET	0.624783735	0.87278793
## SZSE.H.PET	0.594613621	0.83379603
## LZSE.H.PET	0.003584800	-0.04443886
## LGLZE.H.PET	0.330739829	0.40650743
## HGLZE.H.PET	0.699471735	0.86797423
## SZLGE.H.PET	0.327671842	0.40027386
## SZHGE.H.PET	0.595362629	0.83106328
## LZLGE.H.PET	0.040504590	0.01089060
## LZHGE.H.PET	-0.001661511	-0.03912436
## GLNU_area.H.PET	0.337536781	0.28469232
## ZSNU.H.PET	0.188821313	0.20693388
## ZSP.H.PET	0.445193777	0.65660059
## GLNU_norm.H.PET	0.392114679	0.51248954
## ZSNU_norm.H.PET	0.473926044	0.71006603
## GLVAR_area.H.PET	0.538001617	0.77548331
## ZSVAR_H.PET	0.000296579	-0.04337661
## Entropy_area.H.PET	0.685764492	0.91840014
## Max_cooc.W.PET	0.260748985	0.33004695
## Average_cooc.W.PET	0.311405790	0.49678132
## Variance_cooc.W.PET	0.134679954	0.23419638
## Entropy_cooc.W.PET	0.577763611	0.83248052
## DAVE_cooc.W.PET	0.319839857	0.53114316
## DVAR_cooc.W.PET	0.135918523	0.27438027
## DENT_cooc.W.PET	0.560268495	0.82054871
## SAVE_cooc.W.PET	0.310833056	0.49611704
## SVAR_cooc.W.PET	0.130886698	0.20681263
## SENT_cooc.W.PET	0.605999133	0.86784495
## ASM_cooc.W.PET	0.292321864	0.35246454
## Contrast_cooc.W.PET	0.132189915	0.28450515
## Dissimilarity_cooc.W.PET	0.319839857	0.53114316
## Inv_diff_cooc.W.PET	0.575026539	0.73950444
## Inv_diff_norm_cooc.W.PET	0.713542071	0.97111483
## IDM_cooc.W.PET	0.486974204	0.60862591
## IDM_norm_cooc.W.PET	0.709693249	0.97426499
## Inv_var_cooc.W.PET	0.533131262	0.67511288
## Correlation_cooc.W.PET	0.526926258	0.62818037
## Autocorrelation_cooc.W.PET	0.112199439	0.22569795
## Tendency_cooc.W.PET	0.130886698	0.20681263

## Shade_cooc.W.PET	0.039329121	0.01874572
## Prominence_cooc.W.PET	-0.001129109	-0.02182747
## IC1_d.W.PET	-0.067931803	-0.15868525
## IC2_d.W.PET	0.580569123	0.83181756
## Coarseness_vdif.W.PET	0.240635103	0.43207638
## Contrast_vdif.W.PET	0.247124834	0.46366716
## Busyness_vdif.W.PET	0.328620361	0.23292343
## Complexity_vdif.W.PET	0.087130341	0.14514233
## Strength_vdif.W.PET	0.197694324	0.26605005
## SRE_align.W.PET	0.690409672	0.96934814
## LRE_align.W.PET	0.641221063	0.85088960
## GLNU_align.W.PET	0.363923438	0.28492536
## RLNU_align.W.PET	0.251926110	0.24453480
## RP_align.W.PET	0.683856895	0.96537817
## LGRE_align.W.PET	0.396696921	0.49405670
## HGRE_align.W.PET	0.105511087	0.22881869
## LGSRE_align.W.PET	0.419738755	0.52907077
## HGSRE_align.W.PET	0.101319318	0.22457318
## LGHRE_align.W.PET	0.289286351	0.33521153
## HGLRE_align.W.PET	0.121917972	0.24577219
## GLNU_norm_align.W.PET	0.400925690	0.50292847
## RLNU_norm_align.W.PET	0.661123300	0.94633640
## GLVAR_align.W.PET	0.128002917	0.23182387
## RLVAR_align.W.PET	0.318219424	0.34650534
## Entropy_align.W.PET	0.621414132	0.87608369
## SZSE.W.PET	0.660969219	0.91990633
## LZSE.W.PET	0.100554270	0.13242342
## LGLZE.W.PET	0.410469475	0.50964221
## HGLZE.W.PET	0.109125420	0.23313012
## SZLGE.W.PET	0.455897723	0.57733525
## SZHGE.W.PET	0.102574344	0.22189318
## LZLGE.W.PET	0.037136758	0.01291630
## LZHGE.W.PET	0.115612573	0.27488078
## GLNU_area.W.PET	0.364602761	0.29200043
## ZSNU.W.PET	0.227598311	0.22927231
## ZSP.W.PET	0.601254416	0.85337122
## GLNU_norm.W.PET	0.404980843	0.51796460
## ZSNU_norm.W.PET	0.578984663	0.85400689
## GLVAR_area.W.PET	0.130285886	0.23517908
## ZSVAR.W.PET	0.043578615	0.04598751
## Entropy_area.W.PET	0.663873307	0.91143222
## Min_hist.ADC	0.039610549	0.34392653
## Max_hist.ADC	0.798983116	0.87384269
## Mean_hist.ADC	0.611054161	0.90167045
## Variance_hist.ADC	0.656752048	0.47239758
## Standard_Deviation_hist.ADC	0.780365947	0.73714066
## Skewness_hist.ADC	0.216485066	0.09220266
## Kurtosis_hist.ADC	-0.049367018	0.20765656
## Energy_hist.ADC	0.299060156	0.40439686
## Entropy_hist.ADC	0.775235826	0.93337766
## AUC_hist.ADC	0.734387644	0.93222806
## Volume.ADC	0.388201660	0.29396009
## X3D_surface.ADC	0.620274171	0.40970435
## ratio_3ds_vol.ADC	0.223571334	0.64615053

## ratio_3ds_vol_norm.ADC	0.724868979	0.91043866
## irregularity.ADC	0.598569111	0.93248216
## Compactness_v1.ADC	0.470545169	0.64973505
##	Tendency_cooc.H.ADC	Shade_cooc.H.ADC
## Failure	-0.0174590368	0.0383003067
## Entropy_cooc.W.ADC	0.0597446712	0.0231238592
## GLNU_align.H.PET	-0.0005162826	0.0426098001
## Min_hist.PET	0.4878639320	0.1094280256
## Max_hist.PET	0.5203892487	0.1780329455
## Mean_hist.PET	0.4883045965	0.1551930448
## Variance_hist.PET	0.2346808771	0.1772996924
## Standard_Deviation_hist.PET	0.5010400742	0.2077670642
## Skewness_hist.PET	0.5364614724	0.0236674277
## Kurtosis_hist.PET	0.2002350304	-0.0448288890
## Energy_hist.PET	0.3494490611	-0.0105759552
## Entropy_hist.PET	0.8739880333	0.2739542269
## AUC_hist.PET	0.9436488839	0.2347059336
## H_suv.PET	0.5228317909	0.2220791397
## Volume.PET	0.3965260070	0.4401933906
## X3D_surface.PET	0.2506953625	0.0585541761
## ratio_3ds_vol.PET	0.4636938821	-0.0908247104
## ratio_3ds_vol_norm.PET	0.5099485896	0.0226913818
## irregularity.PET	0.9072103485	0.1568812619
## tumor_length.PET	0.6067548947	0.1369609222
## Compactness_v1.PET	0.4799415979	0.1217383641
## Compactness_v2.PET	0.2579948064	0.1665411708
## Spherical_disproportion.PET	0.5099485896	0.0226913818
## Sphericity.PET	0.2844537263	0.2241506170
## Asphericity.PET	0.4883595985	0.0157330312
## Center_of_mass.PET	0.3890428731	0.1634069649
## Max_3D_diam.PET	0.5021347901	0.2809764893
## Major_axis_length.PET	0.5230095902	0.2473711670
## Minor_axis_length.PET	0.6804376727	0.2876275902
## Least_axis_length.PET	0.5951360095	0.3112689505
## Elongation.PET	0.7920128366	0.1218785625
## Flatness.PET	0.7593203444	0.1838644586
## Max_cooc.L.PET	0.3850340612	0.0237006382
## Average_cooc.L.PET	0.7333965774	0.1895121607
## Variance_cooc.L.PET	0.5684038683	0.0819542829
## Entropy_cooc.L.PET	0.9298825377	0.2650291709
## DAVE_cooc.L.PET	0.6746474244	0.0995443342
## DVAR_cooc.L.PET	0.5786452657	0.0230171957
## DENT_cooc.L.PET	0.9055273785	0.2053512927
## SAVE_cooc.L.PET	0.7332820200	0.1895567118
## SVAR_cooc.L.PET	0.5880636154	0.1250773811
## SENT_cooc.L.PET	0.9038550100	0.2145293235
## ASM_cooc.L.PET	0.3556549189	0.0252524049
## Contrast_cooc.L.PET	0.4606118258	0.0024341626
## Dissimilarity_cooc.L.PET	0.6746474244	0.0995443342
## Inv_diff_cooc.L.PET	0.8253890268	0.1940530148
## Inv_diff_norm_cooc.L.PET	0.9461527217	0.2319122666
## IDM_cooc.L.PET	0.7391559149	0.1578993888
## IDM_norm_cooc.L.PET	0.9471583606	0.2310590175
## Inv_var_cooc.L.PET	0.7466407291	0.1774388306

## Correlation_cooc.L.PET	0.6461888947	0.2379373651
## Autocorrelation_cooc.L.PET	0.5300292747	0.1437598026
## Tendency_cooc.L.PET	0.5880636154	0.1250773811
## Shade_cooc.L.PET	0.3102680774	0.0418462129
## Prominence_cooc.L.PET	0.4055288489	0.0454144160
## IC1_.L.PET	-0.2876882022	0.0869003681
## IC2_.L.PET	0.8024906228	0.1083390409
## Coarseness_vdif_.L.PET	0.3744314614	-0.0264879386
## Contrast_vdif_.L.PET	0.1630228346	-0.1406095752
## Busyness_vdif_.L.PET	0.3848563637	0.3032385596
## Complexity_vdif_.L.PET	0.6290689474	0.0218860352
## Strength_vdif_.L.PET	0.2328940161	-0.1723791038
## SRE_align.L.PET	0.9432422831	0.2238482734
## LRE_align.L.PET	0.9413839446	0.2179754017
## GLNU_align.L.PET	0.3083429088	0.1945365295
## RLNU_align.L.PET	0.2738171121	0.1959061397
## RP_align.L.PET	0.9423285498	0.2222557138
## LGRE_align.L.PET	0.5917459754	0.0259184473
## HGRE_align.L.PET	0.5435865825	0.1354808072
## LGSRE_align.L.PET	0.5948336629	0.0284547135
## HGSRE_align.L.PET	0.5417417742	0.1341210964
## LGHRE_align.L.PET	0.5755572089	0.0157738195
## HGLRE_align.L.PET	0.5492320989	0.1395939636
## GLNU_norm_align.L.PET	0.6134474157	0.0545937540
## RLNU_norm_align.L.PET	0.9384395482	0.2178876717
## GLVAR_align.L.PET	0.5942960355	0.1123823100
## RLVAR_align.L.PET	0.5896378443	0.1203840509
## Entropy_align.L.PET	0.9298676361	0.2583826042
## SZSE.L.PET	0.9278219111	0.2434975500
## LZSE.L.PET	0.6446928556	0.0724181547
## LGLZE.L.PET	0.5999570870	0.0285576109
## HGLZE.L.PET	0.5527507729	0.1331062530
## SZLGE.L.PET	0.6047669413	0.0426523248
## SZHGE.L.PET	0.5538153962	0.1430476487
## LZLGE.L.PET	0.4912207216	-0.0188182727
## LZHGE.L.PET	0.4324515469	0.0643736565
## GLNU_area.L.PET	0.3117753222	0.2053095006
## ZSNU.L.PET	0.2779963502	0.2068351183
## ZSP.L.PET	0.9299814153	0.2313668715
## GLNU_norm.L.PET	0.6130927811	0.0567327766
## ZSNU_norm.L.PET	0.9254035681	0.2049902383
## GLVAR_area.L.PET	0.6027402415	0.1142889521
## ZSVAR.L.PET	0.4326198514	0.0660459978
## Entropy_area.L.PET	0.9331830588	0.2638413427
## Max_cooc.H.PET	0.2840597823	-0.0171377335
## Average_cooc.H.PET	0.9263097439	0.1989962264
## Variance_cooc.H.PET	0.7992566658	0.2361497672
## Entropy_cooc.H.PET	0.7737934954	0.2074707172
## DAVE_cooc.H.PET	0.8177281263	0.1923681255
## DVAR_cooc.H.PET	0.7980389030	0.1986291332
## DENT_cooc.H.PET	0.7688942906	0.1351933918
## SAVE_cooc.H.PET	0.9385414493	0.1960731657
## SVAR_cooc.H.PET	0.8182370640	0.2190410586
## SENT_cooc.H.PET	0.6037220473	0.0750965201

## ASM_cooc.H.PET	0.2610223986	0.0156707448
## Contrast_cooc.H.PET	0.7210370295	0.1716616700
## Dissimilarity_cooc.H.PET	0.8177281263	0.1923681255
## Inv_diff_cooc.H.PET	0.6436024704	0.1212670445
## Inv_diff_norm_cooc.H.PET	0.9433822823	0.2230699229
## IDM_cooc.H.PET	0.5443910431	0.0899304355
## IDM_norm_cooc.H.PET	0.9454385804	0.2238811095
## Inv_var_cooc_.H.PET	0.5047036082	0.0839866685
## Correlation_cooc.H.PET	0.6451670798	0.2291480410
## Autocorrelation_cooc.H.PET	0.8741834668	0.1773138942
## Tendency_cooc.H.PET	0.7700392355	0.2498793933
## Shade_cooc.H.PET	-0.3666209911	-0.0564723166
## Prominence_cooc.H.PET	0.5614160677	0.2122604862
## IC1_d.H.PET	-0.1400946683	-0.0898038117
## IC2_d.H.PET	0.7439377856	0.2191214510
## Coarseness_vdif.H.PET	0.3441335578	0.0188533629
## Contrast_vdif.H.PET	0.2417179346	-0.0172383265
## Busyness_vdif.H.PET	0.2347804746	0.4301337359
## Complexity_vdif.H.PET	0.5536498717	-0.0115571174
## Strength_vdif.H.PET	0.0039503884	-0.0144212192
## SRE_align.H.PET	0.9145253863	0.2177149991
## LRE_align.H.PET	0.6239217381	0.1307508965
## RLNU_align.H.PET	0.2666124058	0.1981913034
## RP_align.H.PET	0.9009119040	0.2107492716
## LGRE_align.H.PET	0.3699682390	0.0475357709
## HGRE_align.H.PET	0.8769621652	0.1784624796
## LGSRE_align.H.PET	0.3675799689	0.0465277414
## HGSRE_align.H.PET	0.9135492774	0.1787164875
## LGHRE_align.H.PET	0.3829167332	0.0521554630
## HGLRE_align.H.PET	0.4322025391	0.0940692879
## GLNU_norm_align.H.PET	0.4839169316	0.0527111135
## RLNU_norm_align.H.PET	0.8488520951	0.1971905856
## GLVAR_align.H.PET	0.7709623143	0.2331843814
## RLVAR_align.H.PET	0.2893331232	0.0614385964
## Entropy_align.H.PET	0.8576136439	0.2660786834
## SZSE.H.PET	0.8142921197	0.2046075575
## LZSE.H.PET	-0.0294291707	-0.0602634171
## LGLZE.H.PET	0.3709631346	0.0499911704
## HGLZE.H.PET	0.8668231882	0.1409469208
## SZLGE.H.PET	0.3652800201	0.0479565353
## SZHGE.H.PET	0.8050309441	0.1096184767
## LZLGE.H.PET	0.0176036079	-0.0612028048
## LZHGE.H.PET	-0.0295398126	-0.0465752632
## GLNU_area.H.PET	0.3307847069	0.2398382030
## ZSNU.H.PET	0.2280361364	0.1848639680
## ZSP.H.PET	0.6349528989	0.1599581445
## GLNU_norm.H.PET	0.4862896376	0.0758450168
## ZSNU_norm.H.PET	0.6812912009	0.1472628185
## GLVAR_area.H.PET	0.7547717347	0.2332279564
## ZSVAR_H.PET	-0.0307231643	-0.0621453926
## Entropy_area.H.PET	0.9088414033	0.2823233802
## Max_cooc.W.PET	0.2969009751	0.0074209298
## Average_cooc.W.PET	0.4877994755	0.2199250974
## Variance_cooc.W.PET	0.2368112232	0.1680533467

## Entropy_cooc.W.PET	0.8116318971	0.2415181403
## DAVE_cooc.W.PET	0.5077367930	0.1713839787
## DVAR_cooc.W.PET	0.2632737239	0.1376925332
## DENT_cooc.W.PET	0.7936953058	0.2153160379
## SAVE_cooc.W.PET	0.4872092950	0.2199167937
## SVAR_cooc.W.PET	0.2164856889	0.1760781833
## SENT_cooc.W.PET	0.8380940201	0.2269799168
## ASM_cooc.W.PET	0.3184408671	0.0244614478
## Contrast_cooc.W.PET	0.2684523768	0.1319978885
## Dissimilarity_cooc.W.PET	0.5077367930	0.1713839787
## Inv_diff_cooc.W.PET	0.7177713423	0.1374694933
## Inv_diff_norm_cooc.W.PET	0.9458949100	0.2303750764
## IDM_cooc.W.PET	0.5913613497	0.1042457599
## IDM_norm_cooc.W.PET	0.9468905070	0.2297662083
## Inv_var_cooc.W.PET	0.6553178820	0.1222953654
## Correlation_cooc.W.PET	0.6463934770	0.2396005514
## Autocorrelation_cooc.W.PET	0.2297259400	0.1912424648
## Tendency_cooc.W.PET	0.2164856889	0.1760781833
## Shade_cooc.W.PET	0.0387913556	0.1166141253
## Prominence_cooc.W.PET	0.0000475859	0.1317033869
## IC1_d.W.PET	-0.1562274403	-0.0700428153
## IC2_d.W.PET	0.7931660829	0.1957918673
## Coarseness_vdif.W.PET	0.3395700715	-0.0716187655
## Contrast_vdif.W.PET	0.4190035128	0.1003480215
## Busyness_vdif.W.PET	0.3010377677	0.2365351642
## Complexity_vdif.W.PET	0.1536608148	0.1478427626
## Strength_vdif.W.PET	0.2526796972	-0.0054728762
## SRE_align.W.PET	0.9362854284	0.2225386444
## LRE_align.W.PET	0.8303863388	0.1889529859
## GLNU_align.W.PET	0.3348328761	0.2177827742
## RLNU_align.W.PET	0.2699944285	0.1961343825
## RP_align.W.PET	0.9310070667	0.2195727253
## LGRE_align.W.PET	0.4739904554	0.0310626066
## HGRE_align.W.PET	0.2294756907	0.1881489916
## LGSRE_align.W.PET	0.5060553825	0.0327675719
## HGSRE_align.W.PET	0.2249756129	0.1863556420
## LGHRE_align.W.PET	0.3278902128	0.0185652237
## HGLRE_align.W.PET	0.2470754598	0.1942309994
## GLNU_norm_align.W.PET	0.4757372570	0.0453005207
## RLNU_norm_align.W.PET	0.9098828531	0.2128893985
## GLVAR_align.W.PET	0.2345358957	0.1771984705
## RLVAR_align.W.PET	0.3490616152	0.0711034310
## Entropy_align.W.PET	0.8576386243	0.2604296095
## SZSE.W.PET	0.8940265407	0.2202776885
## LZSE.W.PET	0.1215868830	-0.0160416495
## LGLZE.W.PET	0.4935755531	0.0590795910
## HGLZE.W.PET	0.2332620193	0.1865189615
## SZLGE.W.PET	0.5580308932	0.0719738661
## SZHGE.W.PET	0.2231737523	0.1822654836
## LZLGE.W.PET	0.0174993229	-0.0408997778
## LZHGE.W.PET	0.2488968467	0.1441066793
## GLNU_area.W.PET	0.3433814883	0.2366567614
## ZSNU.W.PET	0.2540424912	0.1944388094
## ZSP.W.PET	0.8262281967	0.1994437687

## GLNU_norm.W.PET	0.4896514024	0.0526484788	
## ZSNU_norm.W.PET	0.8141869301	0.1626898028	
## GLVAR_area.W.PET	0.2374165812	0.1785383313	
## ZSVAR.W.PET	0.0411057186	-0.0374615784	
## Entropy_area.W.PET	0.8971429862	0.2770619898	
## Min_hist.ADC	0.2290200533	-0.0890896160	
## Max_hist.ADC	0.9131618848	0.2684352604	
## Mean_hist.ADC	0.8229377213	-0.0375789331	
## Variance_hist.ADC	0.5753505136	0.1367546275	
## Standard_Deviation_hist.ADC	0.8077571528	0.1940297079	
## Skewness_hist.ADC	0.2326204333	0.7790233586	
## Kurtosis_hist.ADC	0.1283639529	0.1765479595	
## Energy_hist.ADC	0.3526734629	0.0377693135	
## Entropy_hist.ADC	0.9513723092	0.2340331593	
## AUC_hist.ADC	0.9408429699	0.3778513032	
## Volume.ADC	0.3900541991	0.4447274897	
## X3D_surface.ADC	0.5465195879	0.4612358167	
## ratio_3ds_vol.ADC	0.5023182270	0.0008349753	
## ratio_3ds_vol_norm.ADC	0.9179448349	0.3248952272	
## irregularity.ADC	0.8718449865	0.2151220812	
## Compactness_v1.ADC	0.5954585261	0.0637824924	
##	Prominence_cooc.H.ADC	IC1_d.H.ADC	IC2_d.H.ADC
## Failure	-0.03364837	-0.3051073997	0.129886505
## Entropy_cooc.W.ADC	0.08541018	0.2805047606	-0.096552797
## GLNU_align.H.PET	0.02260589	0.1982213092	-0.113209680
## Min_hist.PET	0.46713529	-0.0107596627	0.384197701
## Max_hist.PET	0.51167064	0.0188216360	0.384398272
## Mean_hist.PET	0.46775318	0.0009416630	0.373410122
## Variance_hist.PET	0.23299275	0.0753423442	0.150891478
## Standard_Deviation_hist.PET	0.48803046	0.0040701243	0.379509361
## Skewness_hist.PET	0.54190884	-0.1655815249	0.509549662
## Kurtosis_hist.PET	0.22957935	-0.0182454686	0.172832138
## Energy_hist.PET	0.30991229	-0.0662690777	0.500408775
## Entropy_hist.PET	0.85604178	-0.2018778628	0.735529031
## AUC_hist.PET	0.89859525	-0.2974628926	0.887445721
## H_suv.PET	0.50045298	-0.0468591600	0.437315924
## Volume.PET	0.41693971	-0.0216363747	0.217047032
## X3D_surface.PET	0.26330806	0.1076548993	0.115707428
## ratio_3ds_vol.PET	0.41168201	-0.2358087299	0.598761917
## ratio_3ds_vol_norm.PET	0.48505091	-0.0702807173	0.502962558
## irregularity.PET	0.85666504	-0.3447900177	0.892090051
## tumor_length.PET	0.60457406	-0.0105568611	0.451867191
## Compactness_v1.PET	0.44934750	-0.0598242122	0.558949496
## Compactness_v2.PET	0.26186676	-0.1035633458	0.166234045
## Spherical_disproportion.PET	0.48505091	-0.0702807173	0.502962558
## Sphericity.PET	0.29048315	-0.1517555405	0.172943239
## Asphericity.PET	0.46453641	-0.0612025116	0.483372096
## Center_of_mass.PET	0.41071313	-0.0225456242	0.293671370
## Max_3D_diam.PET	0.50707492	-0.0930036881	0.337570196
## Major_axis_length.PET	0.52225127	-0.0894600290	0.384737347
## Minor_axis_length.PET	0.67905030	-0.0614490273	0.482418665
## Least_axis_length.PET	0.59922220	-0.0297006064	0.379628653
## Elongation.PET	0.74127031	-0.2074353514	0.730249877
## Flatness.PET	0.71912092	-0.1692878786	0.651265784

## Max_cooc.L.PET	0.35237222	-0.0398750459	0.505652853
## Average_cooc.L.PET	0.66597985	-0.3725498726	0.759612507
## Variance_cooc.L.PET	0.50645385	-0.4256867000	0.670093060
## Entropy_cooc.L.PET	0.88299208	-0.2953338593	0.845114085
## DAVE_cooc.L.PET	0.60665663	-0.4009254384	0.749908254
## DVAR_cooc.L.PET	0.51583692	-0.3349132412	0.678302166
## DENT_cooc.L.PET	0.84940269	-0.3563905052	0.880761719
## SAVE_cooc.L.PET	0.66587604	-0.3727000100	0.759365783
## SVAR_cooc.L.PET	0.53401930	-0.4209674313	0.663297787
## SENT_cooc.L.PET	0.84831448	-0.3214082102	0.875441163
## ASM_cooc.L.PET	0.32428416	-0.0121458637	0.471539549
## Contrast_cooc.L.PET	0.39444967	-0.3759161114	0.590600416
## Dissimilarity_cooc.L.PET	0.60665663	-0.4009254384	0.749908254
## Inv_diff_cooc.L.PET	0.80595803	-0.1291325053	0.726855282
## Inv_diff_norm_cooc.L.PET	0.90396544	-0.2825055462	0.870957091
## IDM_cooc.L.PET	0.72639104	-0.0741143916	0.654065542
## IDM_norm_cooc.L.PET	0.90263657	-0.2952711164	0.878476910
## Inv_var_cooc.L.PET	0.73623525	-0.0690952079	0.653211925
## Correlation_cooc.L.PET	0.64023628	-0.1145165000	0.520543644
## Autocorrelation_cooc.L.PET	0.46495216	-0.3716297318	0.605772623
## Tendency_cooc.L.PET	0.53401930	-0.4209674313	0.663297787
## Shade_cooc.L.PET	0.31403043	-0.1947774967	0.315737907
## Prominence_cooc.L.PET	0.36546766	-0.4046507548	0.512877558
## IC1_.L.PET	-0.23413740	0.4566243791	-0.433966725
## IC2_.L.PET	0.73919508	-0.3825695944	0.852002111
## Coarseness_vdif_.L.PET	0.32491364	-0.1680259771	0.560377411
## Contrast_vdif_.L.PET	0.11248314	-0.2713074208	0.336496412
## Busyness_vdif_.L.PET	0.40758141	0.0131498912	0.220746591
## Complexity_vdif_.L.PET	0.56397367	-0.3359569188	0.713548003
## Strength_vdif_.L.PET	0.19258427	-0.3030574891	0.417420113
## SRE_align.L.PET	0.89479980	-0.3163289353	0.890173634
## LRE_align.L.PET	0.89732857	-0.2879692012	0.869620159
## GLNU_align.L.PET	0.32655881	0.0600457576	0.155076414
## RLNU_align.L.PET	0.28716245	0.0710158301	0.114338068
## RP_align.L.PET	0.89342092	-0.3180980217	0.890880227
## LGRE_align.L.PET	0.57627654	-0.1425491502	0.619320257
## HGRE_align.L.PET	0.47445979	-0.3709315709	0.624793153
## LGSRE_align.L.PET	0.57840080	-0.1433761108	0.624268909
## HGSRE_align.L.PET	0.47257462	-0.3729376999	0.625283554
## LGHRE_align.L.PET	0.56378707	-0.1371167813	0.595793467
## HGLRE_align.L.PET	0.48044107	-0.3612872049	0.620696587
## GLNU_norm_align.L.PET	0.58287637	-0.1264536515	0.681812275
## RLNU_norm_align.L.PET	0.88804208	-0.3238197742	0.892572591
## GLVAR_align.L.PET	0.52980223	-0.4169880680	0.681058118
## RLVAR_align.L.PET	0.56987851	-0.0165072720	0.577998272
## Entropy_align.L.PET	0.88080678	-0.3047608817	0.853896202
## SZSE.L.PET	0.88273785	-0.3153497927	0.876890531
## LZSE.L.PET	0.61023751	-0.1656453318	0.583035688
## LGLZE.L.PET	0.58221023	-0.1417634538	0.629194143
## HGLZE.L.PET	0.48362858	-0.3686258020	0.631490102
## SZLGE.L.PET	0.58447815	-0.1412924378	0.639936535
## SZHGE.L.PET	0.48822068	-0.3648589860	0.630314671
## LZLGE.L.PET	0.48843652	-0.1092992784	0.492695931
## LZHGE.L.PET	0.36554639	-0.2933862307	0.497430183

## GLNU_area.L.PET	0.33040270	0.0576677543	0.155526721
## ZSNU.L.PET	0.29193996	0.0645214930	0.116650455
## ZSP.L.PET	0.88199760	-0.3244326788	0.885708976
## GLNU_norm.L.PET	0.58230142	-0.1229654367	0.680620090
## ZSNU_norm.L.PET	0.87347332	-0.3324255881	0.892064584
## GLVAR_area.L.PET	0.53741561	-0.4135183477	0.688108228
## ZSVAR.L.PET	0.42729339	-0.0016951009	0.354415986
## Entropy_area.L.PET	0.88620739	-0.2945488884	0.848502837
## Max_cooc.H.PET	0.25781538	-0.2592945235	0.409669588
## Average_cooc.H.PET	0.87720233	-0.3714028580	0.897539098
## Variance_cooc.H.PET	0.75634111	-0.1837291923	0.700350505
## Entropy_cooc.H.PET	0.73409505	-0.2707803137	0.710360253
## DAVE_cooc.H.PET	0.76611503	-0.2655720591	0.770604416
## DVAR_cooc.H.PET	0.74388181	-0.2769632890	0.769592355
## DENT_cooc.H.PET	0.75529572	-0.1353337462	0.631290535
## SAVE_cooc.H.PET	0.89525790	-0.3621567417	0.889106183
## SVAR_cooc.H.PET	0.79451500	-0.1323993175	0.677912709
## SENT_cooc.H.PET	0.56685552	-0.0343764178	0.560239405
## ASM_cooc.H.PET	0.23066671	-0.2516500735	0.403236293
## Contrast_cooc.H.PET	0.66711802	-0.2545645171	0.697189234
## Dissimilarity_cooc.H.PET	0.76611503	-0.2655720591	0.770604416
## Inv_diff_cooc.H.PET	0.60736482	-0.3206957493	0.679479549
## Inv_diff_norm_cooc.H.PET	0.89742076	-0.3132424585	0.887593382
## IDM_cooc.H.PET	0.51118936	-0.3074467714	0.599921866
## IDM_norm_cooc.H.PET	0.89919234	-0.3098935030	0.886624490
## Inv_var_cooc.H.PET	0.47890194	0.0034641378	0.544250472
## Correlation_cooc.H.PET	0.63708686	-0.0776862281	0.509578420
## Autocorrelation_cooc.H.PET	0.82622966	-0.3926880944	0.869348754
## Tendency_cooc.H.PET	0.73690708	-0.1290476945	0.639408112
## Shade_cooc.H.PET	-0.33291181	0.0528455896	-0.305301209
## Prominence_cooc.H.PET	0.53874068	-0.0001461427	0.408840464
## IC1_d.H.PET	-0.15045617	0.1417943429	-0.033648585
## IC2_d.H.PET	0.72493889	-0.1667009316	0.638902206
## Coarseness_vdif.H.PET	0.30999935	-0.0317992873	0.473540332
## Contrast_vdif.H.PET	0.18948779	-0.3534411740	0.426898485
## Busyness_vdif.H.PET	0.26445846	-0.1229718151	0.100575626
## Complexity_vdif.H.PET	0.49457330	-0.1560379777	0.619848068
## Strength_vdif.H.PET	-0.01485709	-0.1963177154	0.116518085
## SRE_align.H.PET	0.86879151	-0.2667464846	0.847424222
## LRE_align.H.PET	0.59420850	-0.3219350466	0.623965384
## RLNU_align.H.PET	0.27832532	0.0760454747	0.115677426
## RP_align.H.PET	0.85488538	-0.2607207635	0.836667198
## LGRE_align.H.PET	0.33745769	0.0015404650	0.474652869
## HGRE_align.H.PET	0.82771874	-0.3915363529	0.874119282
## LGSRE_align.H.PET	0.33513324	0.0017056702	0.473088431
## HGSRE_align.H.PET	0.86367559	-0.3620802792	0.894360132
## LGHRE_align.H.PET	0.35011065	-0.0005456990	0.483264150
## HGLRE_align.H.PET	0.40876050	-0.2899771669	0.458043495
## GLNU_norm_align.H.PET	0.44527976	-0.3485599927	0.592216617
## RLNU_norm_align.H.PET	0.80542833	-0.2247891564	0.781753388
## GLVAR_align.H.PET	0.73159187	-0.1556669462	0.660705143
## RLVAR_align.H.PET	0.28075068	-0.1872434058	0.296802143
## Entropy_align.H.PET	0.82492236	-0.1690838401	0.722977745
## SZSE.H.PET	0.78595304	-0.1400043217	0.703038348

## LZSE.H.PET	-0.01218924	-0.0308260605	-0.047148430
## LGLZE.H.PET	0.33850863	0.0030896374	0.474219915
## HGLZE.H.PET	0.84308338	-0.3003629251	0.791825381
## SZLGE.H.PET	0.33333041	0.0038034673	0.470400111
## SZHGE.H.PET	0.78222134	-0.1917775447	0.718857397
## LZLGE.H.PET	0.02907727	-0.0189522585	0.013595924
## LZHGE.H.PET	-0.01752336	-0.0707075068	-0.017952268
## GLNU_area.H.PET	0.34945817	0.0394706868	0.162142268
## ZSNU.H.PET	0.23737618	0.0779652235	0.094407859
## ZSP.H.PET	0.61187911	-0.0758888806	0.534935557
## GLNU_norm.H.PET	0.44193513	-0.3618764422	0.600551321
## ZSNU_norm.H.PET	0.65750239	-0.0620267171	0.569243858
## GLVAR_area.H.PET	0.71732118	-0.1309001739	0.631580870
## ZSVAR_H.PET	-0.01467796	-0.0349916324	-0.036979746
## Entropy_area.H.PET	0.87318700	-0.2223235762	0.788118443
## Max_cooc.W.PET	0.26337355	-0.2086190482	0.444353825
## Average_cooc.W.PET	0.46821294	0.0003053675	0.366732461
## Variance_cooc.W.PET	0.23722302	0.0667926064	0.158323729
## Entropy_cooc.W.PET	0.77904787	-0.1517025461	0.685734707
## DAVE_cooc.W.PET	0.48513158	-0.0533891305	0.417086750
## DVAR_cooc.W.PET	0.25476841	0.0230802121	0.200610485
## DENT_cooc.W.PET	0.76051300	-0.1588883225	0.686743565
## SAVE_cooc.W.PET	0.46768290	0.0003121173	0.365877312
## SVAR_cooc.W.PET	0.22191681	0.0864877795	0.133765972
## SENT_cooc.W.PET	0.80150936	-0.1622115643	0.735688077
## ASM_cooc.W.PET	0.28307546	-0.1663207345	0.472592612
## Contrast_cooc.W.PET	0.25572468	0.0092627592	0.207909622
## Dissimilarity_cooc.W.PET	0.48513158	-0.0533891305	0.417086750
## Inv_diff_cooc.W.PET	0.67544734	-0.3443337495	0.745857573
## Inv_diff_norm_cooc.W.PET	0.90326802	-0.2853232943	0.872933269
## IDM_cooc.W.PET	0.55375596	-0.3267533843	0.643261484
## IDM_norm_cooc.W.PET	0.90215836	-0.2959938251	0.879235879
## Inv_var_cooc.W.PET	0.61556213	-0.3297004880	0.696882273
## Correlation_cooc.W.PET	0.64128857	-0.1086004614	0.517323662
## Autocorrelation_cooc.W.PET	0.22226021	0.0847094914	0.137069483
## Tendency_cooc.W.PET	0.22191681	0.0864877795	0.133765972
## Shade_cooc.W.PET	0.05549553	0.0623462137	0.026901842
## Prominence_cooc.W.PET	0.01121864	0.0664691385	-0.002769775
## IC1_d.W.PET	-0.16713602	0.1759111500	-0.055169459
## IC2_d.W.PET	0.76410624	-0.2325637316	0.722089407
## Coarseness_vdif.W.PET	0.28380747	-0.2175764420	0.556582725
## Contrast_vdif.W.PET	0.38303591	-0.1193314753	0.418544757
## Busyness_vdif.W.PET	0.30538286	-0.2362610726	0.244290731
## Complexity_vdif.W.PET	0.15733919	0.0692856813	0.102050733
## Strength_vdif.W.PET	0.26741666	-0.0491004895	0.254607049
## SRE_align.W.PET	0.88958453	-0.2912093200	0.873594101
## LRE_align.W.PET	0.78819560	-0.3442030300	0.801673528
## GLNU_align.W.PET	0.35552261	0.0143942548	0.166441582
## RLNU_align.W.PET	0.28249264	0.0749380029	0.115678714
## RP_align.W.PET	0.88417591	-0.2859777777	0.868379709
## LGRE_align.W.PET	0.44322973	-0.3204762114	0.566162736
## HGRE_align.W.PET	0.22027402	0.0817720557	0.137131629
## LGSRE_align.W.PET	0.47357377	-0.3224439642	0.597289259
## HGSRE_align.W.PET	0.21590760	0.0809672093	0.134809860

## LGHRE_align.W.PET	0.30750159	-0.2887735505	0.412378953
## HGLRE_align.W.PET	0.23726409	0.0851715512	0.145950072
## GLNU_norm_align.W.PET	0.43604677	-0.3233906949	0.598064750
## RLNU_norm_align.W.PET	0.86428534	-0.2646513446	0.843609378
## GLVAR_align.W.PET	0.23292424	0.0755075040	0.150493975
## RLVAR_align.W.PET	0.33223339	-0.2093432721	0.382633473
## Entropy_align.W.PET	0.82326156	-0.1746692776	0.728731394
## SZSE.W.PET	0.85577813	-0.2345517091	0.815936931
## LZSE.W.PET	0.11119287	-0.1769348076	0.170034979
## LGLZE.W.PET	0.46053178	-0.3031213977	0.578090967
## HGLZE.W.PET	0.22484398	0.0792152866	0.142150842
## SZLGE.W.PET	0.52404835	-0.2701098636	0.629988522
## SZHGE.W.PET	0.21627475	0.0758348666	0.137434640
## LZLGE.W.PET	0.02095382	-0.1393965911	0.058514953
## LZHGE.W.PET	0.22862862	0.0701245418	0.157248313
## GLNU_area.W.PET	0.36427509	0.0253709968	0.170922056
## ZSNU.W.PET	0.26576439	0.0760816171	0.108813387
## ZSP.W.PET	0.79155614	-0.1808973435	0.737465561
## GLNU_norm.W.PET	0.44716417	-0.3228587537	0.614773545
## ZSNU_norm.W.PET	0.77845431	-0.1692587660	0.731294987
## GLVAR_area.W.PET	0.23591654	0.0771630322	0.152860967
## ZSVAR.W.PET	0.03938287	-0.1238151781	0.083148377
## Entropy_area.W.PET	0.86084269	-0.2142231251	0.772981710
## Min_hist.ADC	0.17366531	-0.4983124018	0.488976180
## Max_hist.ADC	0.90873290	-0.1669420891	0.758294064
## Mean_hist.ADC	0.78726226	-0.3530537307	0.837500391
## Variance_hist.ADC	0.61526927	-0.0543675107	0.434108069
## Standard_Deviation_hist.ADC	0.82086744	-0.1690138369	0.673762557
## Skewness_hist.ADC	0.21856476	-0.1639991311	0.228461829
## Kurtosis_hist.ADC	0.10433017	0.1418235198	0.080143037
## Energy_hist.ADC	0.31190452	-0.1098489287	0.513035625
## Entropy_hist.ADC	0.93154285	-0.0768328405	0.749215718
## AUC_hist.ADC	0.90006629	-0.2816743529	0.860810023
## Volume.ADC	0.41012289	-0.0081980843	0.202881537
## X3D_surface.ADC	0.59737205	0.1978859831	0.213823425
## ratio_3ds_vol.ADC	0.41074506	-0.7449818916	0.842252706
## ratio_3ds_vol_norm.ADC	0.88740974	-0.2396542356	0.815543313
## irregularity.ADC	0.80447949	-0.4983147014	0.941571700
## Compactness_v1.ADC	0.54759037	-0.1623034097	0.686200598
##	Coarseness_vdif.H.ADC	Contrast_vdif.H.ADC	
## Failure	1.949159e-01	0.013979436	
## Entropy_cooc.W.ADC	-1.709504e-01	-0.024056214	
## GLNU_align.H.PET	-4.953947e-02	-0.103495219	
## Min_hist.PET	5.006561e-02	0.524418005	
## Max_hist.PET	3.934518e-02	0.507763657	
## Mean_hist.PET	4.155641e-02	0.523323395	
## Variance_hist.PET	-2.382065e-02	0.271122335	
## Standard_Deviation_hist.PET	7.365991e-02	0.513390544	
## Skewness_hist.PET	2.673301e-01	0.426949689	
## Kurtosis_hist.PET	8.756001e-02	0.030829545	
## Energy_hist.PET	9.008384e-01	0.415014717	
## Entropy_hist.PET	2.295859e-01	0.722437104	
## AUC_hist.PET	4.693109e-01	0.882965813	
## H_suv.PET	1.830693e-01	0.525868836	

## Volume.PET	-2.099745e-01	0.196065013
## X3D_surface.PET	1.344057e-02	0.135056275
## ratio_3ds_vol.PET	6.400426e-01	0.579662426
## ratio_3ds_vol_norm.PET	5.600570e-01	0.538491543
## irregularity.PET	4.656705e-01	0.880718437
## tumor_length.PET	2.243987e-01	0.476210064
## Compactness_v1.PET	8.169013e-01	0.486888545
## Compactness_v2.PET	-2.383357e-01	0.203674845
## Spherical_disproportion.PET	5.600570e-01	0.538491543
## Sphericity.PET	-3.600685e-01	0.180395767
## Asphericity.PET	5.572208e-01	0.519098763
## Center_of_mass.PET	1.060792e-01	0.271503545
## Max_3D_diam.PET	-1.855699e-01	0.367385686
## Major_axis_length.PET	-5.991286e-02	0.427214232
## Minor_axis_length.PET	5.894852e-02	0.523444252
## Least_axis_length.PET	-5.128014e-02	0.426613499
## Elongation.PET	4.474661e-01	0.774144289
## Flatness.PET	3.458642e-01	0.691524845
## Max_cooc.L.PET	8.942774e-01	0.420188922
## Average_cooc.L.PET	4.142913e-01	0.779436252
## Variance_cooc.L.PET	4.292706e-01	0.638371547
## Entropy_cooc.L.PET	3.638727e-01	0.882910067
## DAVE_cooc.L.PET	4.361158e-01	0.733847830
## DVAR_cooc.L.PET	4.473608e-01	0.655860373
## DENT_cooc.L.PET	4.299601e-01	0.889765244
## SAVE_cooc.L.PET	4.133659e-01	0.779286253
## SVAR_cooc.L.PET	4.123371e-01	0.636091205
## SENT_cooc.L.PET	4.946549e-01	0.894336316
## ASM_cooc.L.PET	8.913229e-01	0.394993442
## Contrast_cooc.L.PET	3.981399e-01	0.555998078
## Dissimilarity_cooc.L.PET	4.361158e-01	0.733847830
## Inv_diff_cooc.L.PET	4.410507e-01	0.721395738
## Inv_diff_norm_cooc.L.PET	4.234196e-01	0.882809336
## IDM_cooc.L.PET	4.757014e-01	0.632232551
## IDM_norm_cooc.L.PET	4.281116e-01	0.890062623
## Inv_var_cooc.L.PET	4.703958e-01	0.633077069
## Correlation_cooc.L.PET	2.613509e-01	0.562393353
## Autocorrelation_cooc.L.PET	3.865546e-01	0.602196664
## Tendency_cooc.L.PET	4.123371e-01	0.636091205
## Shade_cooc.L.PET	1.699828e-01	0.297126672
## Prominence_cooc.L.PET	3.717295e-01	0.461355135
## IC1_.L.PET	-1.222300e-01	-0.422927906
## IC2_.L.PET	5.615240e-01	0.866562556
## Coarseness_vdif_.L.PET	8.849455e-01	0.469386701
## Contrast_vdif_.L.PET	3.019516e-01	0.268060290
## Busyness_vdif_.L.PET	-1.213576e-01	0.166499391
## Complexity_vdif_.L.PET	4.689017e-01	0.696860858
## Strength_vdif_.L.PET	3.848340e-01	0.326048587
## SRE_align.L.PET	4.458557e-01	0.897841978
## LRE_align.L.PET	4.137678e-01	0.883571001
## GLNU_align.L.PET	-1.169922e-01	0.149046207
## RLNU_align.L.PET	-1.611132e-01	0.150077571
## RP_align.L.PET	4.471670e-01	0.898637918
## LGRE_align.L.PET	5.915915e-01	0.527840635

## HGRE_align.L.PET	3.933983e-01	0.628496811
## LGSRE_align.L.PET	6.017283e-01	0.533741464
## HGSRE_align.L.PET	3.956794e-01	0.627412729
## LGHRE_align.L.PET	5.494847e-01	0.502235538
## HGLRE_align.L.PET	3.825751e-01	0.631196785
## GLNU_norm_align.L.PET	8.072783e-01	0.582736114
## RLNU_norm_align.L.PET	4.523320e-01	0.900480334
## GLVAR_align.L.PET	4.268549e-01	0.662752889
## RLVAR_align.L.PET	6.895826e-01	0.540624025
## Entropy_align.L.PET	3.811727e-01	0.892008114
## SZSE.L.PET	4.518140e-01	0.871466678
## LZSE.L.PET	2.435170e-01	0.627543479
## LGLZE.L.PET	6.013182e-01	0.539530657
## HGLZE.L.PET	3.938857e-01	0.636686877
## SZLGE.L.PET	6.305875e-01	0.550950979
## SZHGE.L.PET	3.982086e-01	0.624348425
## LZLGE.L.PET	4.154618e-01	0.405385645
## LZHGE.L.PET	2.927258e-01	0.548386238
## GLNU_area.L.PET	-1.225272e-01	0.149835443
## ZSNU.L.PET	-1.681465e-01	0.149416344
## ZSP.L.PET	4.546538e-01	0.882875713
## GLNU_norm.L.PET	8.095477e-01	0.583544845
## ZSNU_norm.L.PET	4.618586e-01	0.892039844
## GLVAR_area.L.PET	4.317939e-01	0.673491711
## ZSVAR.L.PET	2.445906e-01	0.364097302
## Entropy_area.L.PET	3.729529e-01	0.888251868
## Max_cooc.H.PET	4.603822e-01	0.262575891
## Average_cooc.H.PET	4.455132e-01	0.866629187
## Variance_cooc.H.PET	2.730905e-01	0.794222455
## Entropy_cooc.H.PET	2.788572e-01	0.785033618
## DAVE_cooc.H.PET	3.345383e-01	0.811689455
## DVAR_cooc.H.PET	3.486810e-01	0.783236692
## DENT_cooc.H.PET	1.400485e-01	0.665308543
## SAVE_cooc.H.PET	4.202413e-01	0.865042537
## SVAR_cooc.H.PET	2.522060e-01	0.744671765
## SENT_cooc.H.PET	4.998503e-01	0.662922241
## ASM_cooc.H.PET	5.497086e-01	0.248351628
## Contrast_cooc.H.PET	3.128998e-01	0.734153682
## Dissimilarity_cooc.H.PET	3.345383e-01	0.811689455
## Inv_diff_cooc.H.PET	4.931903e-01	0.579618064
## Inv_diff_norm_cooc.H.PET	4.515778e-01	0.889106275
## IDM_cooc.H.PET	4.750219e-01	0.484252764
## IDM_norm_cooc.H.PET	4.423862e-01	0.893294228
## Inv_var_cooc_.H.PET	7.637244e-01	0.545882304
## Correlation_cooc.H.PET	2.468524e-01	0.583148595
## Autocorrelation_cooc.H.PET	4.620914e-01	0.809571327
## Tendency_cooc.H.PET	2.270477e-01	0.755643355
## Shade_cooc.H.PET	-1.420419e-01	-0.411891901
## Prominence_cooc.H.PET	9.451184e-02	0.572764749
## IC1_d.H.PET	2.936995e-01	-0.104465280
## IC2_d.H.PET	3.192962e-01	0.700979048
## Coarseness_vdif.H.PET	9.006796e-01	0.397017154
## Contrast_vdif.H.PET	3.552029e-01	0.292503918
## Busyness_vdif.H.PET	-3.739101e-01	-0.015663977

## Complexity_vdif.H.PET	6.251205e-01	0.648163693
## Strength_vdif.H.PET	2.163076e-01	0.030810066
## SRE_align.H.PET	4.035979e-01	0.882245858
## LRE_align.H.PET	3.603547e-01	0.540626583
## RLNU_align.H.PET	-1.511686e-01	0.160138044
## RP_align.H.PET	3.977943e-01	0.875481465
## LGRE_align.H.PET	8.811435e-01	0.416136272
## HGRE_align.H.PET	4.536163e-01	0.816785961
## LGSRE_align.H.PET	8.815244e-01	0.413928076
## HGSRE_align.H.PET	4.316993e-01	0.867623616
## LGHRE_align.H.PET	8.798409e-01	0.427577323
## HGLRE_align.H.PET	3.089307e-01	0.363294085
## GLNU_norm_align.H.PET	5.139335e-01	0.437033918
## RLNU_norm_align.H.PET	3.629268e-01	0.837294865
## GLVAR_align.H.PET	2.430934e-01	0.761900354
## RLVAR_align.H.PET	2.488990e-01	0.214157072
## Entropy_align.H.PET	2.582148e-01	0.815632207
## SZSE.H.PET	3.026559e-01	0.772969671
## LZSE.H.PET	-3.778262e-02	-0.081269870
## LGLZE.H.PET	8.788821e-01	0.416678141
## HGLZE.H.PET	3.518767e-01	0.724332876
## SZLGE.H.PET	8.798011e-01	0.409905256
## SZHGE.H.PET	2.770242e-01	0.734977088
## LZLGE.H.PET	7.448042e-02	-0.015251393
## LZHGE.H.PET	2.369039e-02	-0.064892165
## GLNU_area.H.PET	-1.655722e-01	0.150336205
## ZSNU.H.PET	-1.513553e-01	0.154038609
## ZSP.H.PET	1.936976e-01	0.617872079
## GLNU_norm.H.PET	5.253807e-01	0.464481626
## ZSNU_norm.H.PET	2.262916e-01	0.671912510
## GLVAR_area.H.PET	2.241478e-01	0.739027912
## ZSVAR.H.PET	-1.484357e-02	-0.073303727
## Entropy_area.H.PET	3.101571e-01	0.838862289
## Max_cooc.W.PET	6.508658e-01	0.306838416
## Average_cooc.W.PET	5.408178e-02	0.511456663
## Variance_cooc.W.PET	-1.239501e-02	0.266477560
## Entropy_cooc.W.PET	2.276589e-01	0.785720706
## DAVE_cooc.W.PET	1.022608e-01	0.535592813
## DVAR_cooc.W.PET	-5.783736e-05	0.307858086
## DENT_cooc.W.PET	2.451682e-01	0.774224715
## SAVE_cooc.W.PET	5.226475e-02	0.510780807
## SVAR_cooc.W.PET	-1.920880e-02	0.236122863
## SENT_cooc.W.PET	3.479968e-01	0.821195573
## ASM_cooc.W.PET	7.937703e-01	0.336337890
## Contrast_cooc.W.PET	5.429557e-03	0.321673112
## Dissimilarity_cooc.W.PET	1.022608e-01	0.535592813
## Inv_diff_cooc.W.PET	5.073412e-01	0.653174902
## Inv_diff_norm_cooc.W.PET	4.266680e-01	0.883665667
## IDM_cooc.W.PET	4.865359e-01	0.530503639
## IDM_norm_cooc.W.PET	4.293306e-01	0.890605371
## Inv_var_cooc.W.PET	5.085063e-01	0.595508400
## Correlation_cooc.W.PET	2.565492e-01	0.561084531
## Autocorrelation_cooc.W.PET	-5.279542e-02	0.278656497
## Tendency_cooc.W.PET	-1.920880e-02	0.236122863

## Shade_cooc.W.PET	7.358525e-03	0.036495984
## Prominence_cooc.W.PET	-1.343307e-02	0.018564201
## IC1_d.W.PET	3.411859e-01	-0.133518864
## IC2_d.W.PET	3.971158e-01	0.776974874
## Coarseness_vdif.W.PET	8.407044e-01	0.454694959
## Contrast_vdif.W.PET	2.646327e-01	0.489729204
## Busyness_vdif.W.PET	-7.166270e-03	0.110814809
## Complexity_vdif.W.PET	-2.406507e-02	0.174157163
## Strength_vdif.W.PET	1.632064e-01	0.213369554
## SRE_align.W.PET	4.247585e-01	0.895280274
## LRE_align.W.PET	4.319644e-01	0.760946996
## GLNU_align.W.PET	-1.493751e-01	0.126030202
## RLNU_align.W.PET	-1.526263e-01	0.155860688
## RP_align.W.PET	4.201350e-01	0.893493639
## LGRE_align.W.PET	4.815908e-01	0.417639486
## HGRE_align.W.PET	-5.870881e-02	0.285854398
## LGSRE_align.W.PET	5.055190e-01	0.451616901
## HGSRE_align.W.PET	-5.921685e-02	0.282538773
## LGHRE_align.W.PET	3.648952e-01	0.265716412
## HGLRE_align.W.PET	-5.671630e-02	0.299042329
## GLNU_norm_align.W.PET	5.992607e-01	0.440423919
## RLNU_norm_align.W.PET	4.006149e-01	0.881421054
## GLVAR_align.W.PET	-2.601269e-02	0.271025679
## RLVAR_align.W.PET	3.841806e-01	0.287320046
## Entropy_align.W.PET	2.603821e-01	0.820252816
## SZSE.W.PET	3.838437e-01	0.847461613
## LZSE.W.PET	1.673039e-01	0.112519445
## LGLZE.W.PET	4.933695e-01	0.443791337
## HGLZE.W.PET	-5.706198e-02	0.288141015
## SZLGE.W.PET	5.452907e-01	0.516823407
## SZHGE.W.PET	-5.783335e-02	0.275958921
## LZLGE.W.PET	9.185843e-02	-0.023912467
## LZHGE.W.PET	-3.729346e-03	0.335302455
## GLNU_area.W.PET	-1.581516e-01	0.139392600
## ZSNU.W.PET	-1.510652e-01	0.155221864
## ZSP.W.PET	3.154385e-01	0.788684600
## GLNU_norm.W.PET	6.115230e-01	0.466527494
## ZSNU_norm.W.PET	3.169059e-01	0.796839135
## GLVAR_area.W.PET	-2.218177e-02	0.274823894
## ZSVAR.W.PET	1.183193e-01	0.030796564
## Entropy_area.W.PET	2.979296e-01	0.843531606
## Min_hist.ADC	3.924845e-01	0.424298825
## Max_hist.ADC	2.579490e-01	0.671968759
## Mean_hist.ADC	3.655054e-01	0.773000870
## Variance_hist.ADC	1.528460e-01	0.183774597
## Standard_Deviation_hist.ADC	2.616146e-01	0.476091132
## Skewness_hist.ADC	1.777033e-01	0.167564137
## Kurtosis_hist.ADC	3.588394e-02	0.390267590
## Energy_hist.ADC	9.352150e-01	0.427333470
## Entropy_hist.ADC	2.531287e-01	0.789712005
## AUC_hist.ADC	4.309348e-01	0.846077834
## Volume.ADC	-2.215574e-01	0.178623135
## X3D_surface.ADC	-1.078830e-01	0.184741403
## ratio_3ds_vol.ADC	7.189656e-01	0.725373270

## ratio_3ds_vol_norm.ADC	3.043736e-01	0.799351036
## irregularity.ADC	5.414988e-01	0.905842574
## Compactness_v1.ADC	8.793297e-01	0.638415272
##	Busyness_vdif.H.ADC	Complexity_vdif.H.ADC
## Failure	-0.168681924	0.016903120
## Entropy_cooc.W.ADC	0.268248307	-0.032711440
## GLNU_align.H.PET	0.161785864	-0.109740156
## Min_hist.PET	0.288000436	0.524851250
## Max_hist.PET	0.331654844	0.506180022
## Mean_hist.PET	0.305771059	0.524239597
## Variance_hist.PET	0.206473405	0.274421031
## Standard_Deviation_hist.PET	0.318295191	0.512175487
## Skewness_hist.PET	0.210899453	0.415236170
## Kurtosis_hist.PET	0.080803763	0.023332034
## Energy_hist.PET	0.126583788	0.385211730
## Entropy_hist.PET	0.404690008	0.707363757
## AUC_hist.PET	0.378492945	0.862984782
## H_suv.PET	0.337968316	0.523507585
## Volume.PET	0.300170262	0.194654571
## X3D_surface.PET	0.243446064	0.126219070
## ratio_3ds_vol.PET	0.090912069	0.565413323
## ratio_3ds_vol_norm.PET	0.317244824	0.521070311
## irregularity.PET	0.285472123	0.862826971
## tumor_length.PET	0.413819984	0.459695425
## Compactness_v1.PET	0.230416923	0.458272112
## Compactness_v2.PET	0.132057121	0.210999948
## Spherical_disproportion.PET	0.317244824	0.521070311
## Sphericity.PET	0.109837006	0.190254945
## Asphericity.PET	0.311256723	0.501896043
## Center_of_mass.PET	0.304885467	0.259156594
## Max_3D_diam.PET	0.302494886	0.368853730
## Major_axis_length.PET	0.330915513	0.427182641
## Minor_axis_length.PET	0.466879633	0.513232756
## Least_axis_length.PET	0.428190078	0.416518172
## Elongation.PET	0.358580483	0.754508753
## Flatness.PET	0.361191041	0.667893099
## Max_cooc.L.PET	0.162871194	0.389563673
## Average_cooc.L.PET	0.205673676	0.766495396
## Variance_cooc.L.PET	0.062076961	0.626917630
## Entropy_cooc.L.PET	0.377783403	0.868355125
## DAVE_cooc.L.PET	0.126590267	0.723761620
## DVAR_cooc.L.PET	0.061541966	0.646956521
## DENT_cooc.L.PET	0.305054141	0.875113001
## SAVE_cooc.L.PET	0.205552881	0.766377336
## SVAR_cooc.L.PET	0.088687054	0.622715315
## SENT_cooc.L.PET	0.331034388	0.876159602
## ASM_cooc.L.PET	0.169098881	0.364434604
## Contrast_cooc.L.PET	0.011412754	0.549146827
## Dissimilarity_cooc.L.PET	0.126590267	0.723761620
## Inv_diff_cooc.L.PET	0.404904865	0.698447742
## Inv_diff_norm_cooc.L.PET	0.382930174	0.864482548
## IDM_cooc.L.PET	0.382646038	0.607317530
## IDM_norm_cooc.L.PET	0.374501947	0.872082993
## Inv_var_cooc.L.PET	0.400446873	0.608015401

## Correlation_cooc.L.PET	0.355869822	0.542602531
## Autocorrelation_cooc.L.PET	0.096377529	0.590371473
## Tendency_cooc.L.PET	0.088687054	0.622715315
## Shade_cooc.L.PET	0.094560749	0.293176447
## Prominence_cooc.L.PET	0.008108360	0.450540616
## IC1_.L.PET	0.137984329	-0.422642236
## IC2_.L.PET	0.216787616	0.848394102
## Coarseness_vdif_.L.PET	0.061458235	0.442018104
## Contrast_vdif_.L.PET	-0.093468845	0.261644260
## Busyness_vdif_.L.PET	0.300047924	0.159946048
## Complexity_vdif_.L.PET	0.129349763	0.686463142
## Strength_vdif_.L.PET	-0.148932972	0.316642453
## SRE_align.L.PET	0.356813318	0.880121827
## LRE_align.L.PET	0.374061368	0.865776147
## GLNU_align.L.PET	0.262845509	0.143297844
## RLNU_align.L.PET	0.280583239	0.147708573
## RP_align.L.PET	0.354783187	0.881010940
## LGRE_align.L.PET	0.194066793	0.504470620
## HGRE_align.L.PET	0.113661217	0.618053636
## LGSRE_align.L.PET	0.196362288	0.510215218
## HGSRE_align.L.PET	0.110358314	0.616985687
## LGHRE_align.L.PET	0.184343054	0.479635150
## HGLRE_align.L.PET	0.127153901	0.620749186
## GLNU_norm_align.L.PET	0.234326555	0.552320432
## RLNU_norm_align.L.PET	0.347831288	0.883128738
## GLVAR_align.L.PET	0.098458929	0.650946363
## RLVAR_align.L.PET	0.323645060	0.510731971
## Entropy_align.L.PET	0.374356265	0.876758693
## SZSE.L.PET	0.351363812	0.853074211
## LZSE.L.PET	0.267385549	0.617089625
## LGLZE.L.PET	0.198121878	0.515929038
## HGLZE.L.PET	0.115051599	0.626287887
## SZLGE.L.PET	0.204701904	0.526564813
## SZHGE.L.PET	0.113342019	0.613343806
## LZLGE.L.PET	0.158892479	0.386178699
## LZHGE.L.PET	0.107710052	0.542232579
## GLNU_area.L.PET	0.268723839	0.144219487
## ZSNU.L.PET	0.282936668	0.147319030
## ZSP.L.PET	0.343182900	0.865218328
## GLNU_norm.L.PET	0.236967747	0.553116130
## ZSNU_norm.L.PET	0.330327750	0.875320129
## GLVAR_area.L.PET	0.099654887	0.661864880
## ZSVAR.L.PET	0.257180461	0.348098223
## Entropy_area.L.PET	0.383911109	0.872669491
## Max_cooc.H.PET	-0.023112805	0.246411015
## Average_cooc.H.PET	0.298277405	0.848269804
## Variance_cooc.H.PET	0.375757847	0.783664883
## Entropy_cooc.H.PET	0.325589454	0.778345536
## DAVE_cooc.H.PET	0.314507703	0.802338590
## DVAR_cooc.H.PET	0.290128324	0.773841746
## DENT_cooc.H.PET	0.366034102	0.655699030
## SAVE_cooc.H.PET	0.335422778	0.846525652
## SVAR_cooc.H.PET	0.438784287	0.728942239
## SENT_cooc.H.PET	0.325792146	0.646716905

## ASM_cooc.H.PET	-0.009494546	0.229734454
## Contrast_cooc.H.PET	0.266311928	0.728120675
## Dissimilarity_cooc.H.PET	0.314507703	0.802338590
## Inv_diff_cooc.H.PET	0.169348768	0.557909880
## Inv_diff_norm_cooc.H.PET	0.359109424	0.870198475
## IDM_cooc.H.PET	0.117073700	0.463414223
## IDM_norm_cooc.H.PET	0.362354882	0.874913534
## Inv_var_cooc_.H.PET	0.288228814	0.521670710
## Correlation_cooc.H.PET	0.357678135	0.563817491
## Autocorrelation_cooc.H.PET	0.245944833	0.789932273
## Tendency_cooc.H.PET	0.401276582	0.743589727
## Shade_cooc.H.PET	-0.094068174	-0.402701931
## Prominence_cooc.H.PET	0.369313005	0.565684411
## IC1_d.H.PET	-0.074703825	-0.106848858
## IC2_d.H.PET	0.376322053	0.681770792
## Coarseness_vdif.H.PET	0.148832840	0.366989826
## Contrast_vdif.H.PET	-0.092791625	0.280399707
## Busyness_vdif.H.PET	0.151056219	-0.012838083
## Complexity_vdif.H.PET	0.189301963	0.631410027
## Strength_vdif.H.PET	-0.092158279	0.027222159
## SRE_align.H.PET	0.369337740	0.867089980
## LRE_align.H.PET	0.165045672	0.523105115
## RLNU_align.H.PET	0.280740995	0.159293494
## RP_align.H.PET	0.364188674	0.861037279
## LGRE_align.H.PET	0.187154796	0.386192695
## HGRE_align.H.PET	0.264932633	0.798845080
## LGSRE_align.H.PET	0.185765342	0.384010475
## HGSRE_align.H.PET	0.299376210	0.851837299
## LGHRE_align.H.PET	0.194607326	0.397421202
## HGLRE_align.H.PET	0.092266593	0.348531351
## GLNU_norm_align.H.PET	0.035208679	0.417294936
## RLNU_norm_align.H.PET	0.356099928	0.825329510
## GLVAR_align.H.PET	0.384180718	0.751822323
## RLVAR_align.H.PET	0.077734466	0.200118862
## Entropy_align.H.PET	0.428538727	0.804257197
## SZSE.H.PET	0.381254317	0.761379657
## LZSE.H.PET	-0.013545635	-0.083691757
## LGLZE.H.PET	0.187743199	0.386701810
## HGLZE.H.PET	0.289768818	0.706025915
## SZLGE.H.PET	0.183909768	0.379914206
## SZHGE.H.PET	0.309611108	0.723795746
## LZLGE.H.PET	0.022783283	-0.022144916
## LZHGE.H.PET	-0.034160808	-0.067741414
## GLNU_area.H.PET	0.278120047	0.145747383
## ZSNU.H.PET	0.260953105	0.156101497
## ZSP.H.PET	0.308131671	0.613346155
## GLNU_norm.H.PET	0.028413692	0.444503047
## ZSNU_norm.H.PET	0.342929351	0.665472188
## GLVAR_area.H.PET	0.388511663	0.729412108
## ZSVAR_H.PET	-0.020131263	-0.076131359
## Entropy_area.H.PET	0.426719456	0.824218225
## Max_cooc.W.PET	0.024347301	0.286267498
## Average_cooc.W.PET	0.307729303	0.511698497
## Variance_cooc.W.PET	0.190910480	0.268855935

## Entropy_cooc.W.PET	0.402423908	0.777109341
## DAVE_cooc.W.PET	0.263253420	0.536619950
## DVAR_cooc.W.PET	0.169025357	0.313156561
## DENT_cooc.W.PET	0.369969985	0.766288102
## SAVE_cooc.W.PET	0.307453355	0.511084877
## SVAR_cooc.W.PET	0.197628136	0.236990281
## SENT_cooc.W.PET	0.397944321	0.807749875
## ASM_cooc.W.PET	0.068985616	0.310092629
## Contrast_cooc.W.PET	0.156060087	0.327833460
## Dissimilarity_cooc.W.PET	0.263253420	0.536619950
## Inv_diff_cooc.W.PET	0.200699552	0.630658851
## Inv_diff_norm_cooc.W.PET	0.380339471	0.865246613
## IDM_cooc.W.PET	0.135708119	0.508836643
## IDM_norm_cooc.W.PET	0.373461636	0.872585475
## Inv_var_cooc.W.PET	0.174932756	0.572321386
## Correlation_cooc.W.PET	0.359871969	0.541470286
## Autocorrelation_cooc.W.PET	0.216503300	0.284126150
## Tendency_cooc.W.PET	0.197628136	0.236990281
## Shade_cooc.W.PET	0.075790830	0.033629862
## Prominence_cooc.W.PET	0.051301941	0.018145773
## IC1_d.W.PET	-0.038783187	-0.138972182
## IC2_d.W.PET	0.348636304	0.758289769
## Coarseness_vdif.W.PET	0.017727132	0.429382394
## Contrast_vdif.W.PET	0.121134170	0.487135837
## Busyness_vdif.W.PET	0.073056759	0.100309824
## Complexity_vdif.W.PET	0.154420524	0.176925461
## Strength_vdif.W.PET	-0.031466883	0.204026372
## SRE_align.W.PET	0.368094317	0.878605568
## LRE_align.W.PET	0.280127112	0.741967586
## GLNU_align.W.PET	0.257972631	0.118148432
## RLNU_align.W.PET	0.279782876	0.154118417
## RP_align.W.PET	0.367576594	0.877219198
## LGRE_align.W.PET	0.039164217	0.399127329
## HGRE_align.W.PET	0.222499792	0.292377779
## LGSRE_align.W.PET	0.053030214	0.432183026
## HGSRE_align.W.PET	0.217743420	0.289230295
## LGHRE_align.W.PET	-0.006647734	0.251597050
## HGLRE_align.W.PET	0.241031713	0.304878893
## GLNU_norm_align.W.PET	0.044815236	0.418574535
## RLNU_norm_align.W.PET	0.368200555	0.866610161
## GLVAR_align.W.PET	0.207073662	0.274397982
## RLVAR_align.W.PET	0.085864299	0.269854953
## Entropy_align.W.PET	0.422577685	0.809183002
## SZSE.W.PET	0.378430669	0.832132389
## LZSE.W.PET	-0.028959489	0.106155234
## LGLZE.W.PET	0.056406756	0.424813246
## HGLZE.W.PET	0.216514092	0.294418160
## SZLGE.W.PET	0.109337192	0.496422299
## SZHGE.W.PET	0.199148259	0.282202739
## LZLGE.W.PET	-0.064276400	-0.027919890
## LZHGE.W.PET	0.253857799	0.338729903
## GLNU_area.W.PET	0.274630994	0.132447150
## ZSNU.W.PET	0.272393192	0.154982826
## ZSP.W.PET	0.367768034	0.776931809

## GLNU_norm.W.PET	0.048298735	0.444406181	
## ZSNU_norm.W.PET	0.364102196	0.786245728	
## GLVAR_area.W.PET	0.204861141	0.278060220	
## ZSVAR.W.PET	-0.047870592	0.025925328	
## Entropy_area.W.PET	0.424325003	0.830045604	
## Min_hist.ADC	-0.261560745	0.425382212	
## Max_hist.ADC	0.530628778	0.650333368	
## Mean_hist.ADC	0.234814774	0.758418422	
## Variance_hist.ADC	0.416837910	0.158044310	
## Standard_Deviation_hist.ADC	0.453514723	0.449427925	
## Skewness_hist.ADC	0.139517259	0.167224431	
## Kurtosis_hist.ADC	0.262647173	0.400924462	
## Energy_hist.ADC	0.134093889	0.398949114	
## Entropy_hist.ADC	0.503115329	0.768454300	
## AUC_hist.ADC	0.410145173	0.827515831	
## Volume.ADC	0.304556288	0.177432965	
## X3D_surface.ADC	0.798205631	0.166242641	
## ratio_3ds_vol.ADC	-0.160306802	0.718833511	
## ratio_3ds_vol_norm.ADC	0.409620772	0.780951821	
## irregularity.ADC	0.189899224	0.891856291	
## Compactness_v1.ADC	0.225155106	0.610266494	
##	Strength_vdif.H.ADC	SRE_align.H.ADC	LRE_align.H.ADC
## Failure	3.362151e-01	0.0057057899	-0.013893913
## Entropy_cooc.W.ADC	-3.282858e-01	0.0207705969	0.050809900
## GLNU_align.H.PET	-1.906747e-01	-0.0460731546	-0.023771604
## Min_hist.PET	-5.989841e-02	0.5301354277	0.533308896
## Max_hist.PET	-1.054095e-01	0.5444951435	0.555646467
## Mean_hist.PET	-7.139762e-02	0.5303284482	0.534983115
## Variance_hist.PET	-1.080463e-01	0.2629999688	0.268270238
## Standard_Deviation_hist.PET	-6.851586e-02	0.5380966493	0.545249230
## Skewness_hist.PET	9.969221e-02	0.5350410943	0.544029769
## Kurtosis_hist.PET	-5.242415e-02	0.1487528004	0.169878504
## Energy_hist.PET	3.043256e-01	0.4538898981	0.434711952
## Entropy_hist.PET	6.117995e-02	0.8684582920	0.880797512
## AUC_hist.PET	2.218606e-01	0.9951849486	0.994062384
## H_suv.PET	-4.153338e-03	0.5636159419	0.568635875
## Volume.PET	-1.693725e-01	0.3212063620	0.347796019
## X3D_surface.PET	-1.366098e-01	0.2192785896	0.238462209
## ratio_3ds_vol.PET	3.295209e-01	0.5800475285	0.556468368
## ratio_3ds_vol_norm.PET	1.677715e-01	0.5863086659	0.586014853
## irregularity.PET	2.695312e-01	0.9697399623	0.960828339
## tumor_length.PET	-2.575678e-02	0.5993716117	0.620029378
## Compactness_v1.PET	2.402326e-01	0.5584931065	0.549900228
## Compactness_v2.PET	-6.076779e-02	0.2278425455	0.240188945
## Spherical_disproportion.PET	1.677715e-01	0.5863086659	0.586014853
## Sphericity.PET	-7.861454e-02	0.2265860997	0.239559101
## Asphericity.PET	1.638034e-01	0.5644461880	0.564208980
## Center_of_mass.PET	-3.045740e-02	0.3687737396	0.385841086
## Max_3D_diam.PET	-1.025323e-01	0.4565639074	0.476086201
## Major_axis_length.PET	-5.917755e-02	0.5021619083	0.518536542
## Minor_axis_length.PET	-7.480095e-02	0.6545468557	0.679535107
## Least_axis_length.PET	-1.129918e-01	0.5524448431	0.578683106
## Elongation.PET	1.739226e-01	0.8587030773	0.857857870
## Flatness.PET	1.284094e-01	0.7940481151	0.797836185

## Max_cooc.L.PET	2.738446e-01	0.4778124145	0.464044757
## Average_cooc.L.PET	3.226709e-01	0.8155722921	0.797936072
## Variance_cooc.L.PET	4.115395e-01	0.6527060716	0.625715157
## Entropy_cooc.L.PET	1.971070e-01	0.9796291987	0.979129173
## DAVE_cooc.L.PET	3.546861e-01	0.7623689260	0.739743690
## DVAR_cooc.L.PET	3.095161e-01	0.6748511154	0.654442835
## DENT_cooc.L.PET	2.693953e-01	0.9715981079	0.962782525
## SAVE_cooc.L.PET	3.224901e-01	0.8153757584	0.797748725
## SVAR_cooc.L.PET	4.096965e-01	0.6607604529	0.636495799
## SENT_cooc.L.PET	2.714265e-01	0.9773283737	0.968194656
## ASM_cooc.L.PET	2.573857e-01	0.4487040045	0.435569643
## Contrast_cooc.L.PET	3.590254e-01	0.5519754279	0.524289811
## Dissimilarity_cooc.L.PET	3.546861e-01	0.7623689260	0.739743690
## Inv_diff_cooc.L.PET	8.932716e-02	0.8516871711	0.862080866
## Inv_diff_norm_cooc.L.PET	1.942427e-01	0.9935567679	0.994234496
## IDM_cooc.L.PET	6.901785e-02	0.7628345832	0.774375768
## IDM_norm_cooc.L.PET	2.069652e-01	0.9975199523	0.996829326
## Inv_var_cooc.L.PET	6.231817e-02	0.7670288731	0.780245632
## Correlation_cooc.L.PET	9.130930e-02	0.6562503891	0.665265739
## Autocorrelation_cooc.L.PET	3.553460e-01	0.6105640270	0.588368802
## Tendency_cooc.L.PET	4.096965e-01	0.6607604529	0.636495799
## Shade_cooc.L.PET	2.017535e-01	0.3258389630	0.316954020
## Prominence_cooc.L.PET	4.252144e-01	0.4681212349	0.442597436
## IC1_.L.PET	-3.671601e-01	-0.3638656052	-0.328506768
## IC2_.L.PET	3.714327e-01	0.9046939769	0.883066144
## Coarseness_vdif_.L.PET	3.755443e-01	0.4898423692	0.462598969
## Contrast_vdif_.L.PET	2.839603e-01	0.2389858032	0.211107119
## Busyness_vdif_.L.PET	-1.682891e-01	0.3088287260	0.336112975
## Complexity_vdif_.L.PET	3.133858e-01	0.7213705673	0.700310097
## Strength_vdif_.L.PET	3.314930e-01	0.3046885393	0.273472158
## SRE_align.L.PET	2.318174e-01	0.9995168711	0.996217344
## LRE_align.L.PET	1.958308e-01	0.9910944448	0.990946499
## GLNU_align.L.PET	-1.777819e-01	0.2542969251	0.278980440
## RLNU_align.L.PET	-1.817746e-01	0.2289258334	0.250602322
## RP_align.L.PET	2.341561e-01	0.9993742090	0.995756276
## LGRE_align.L.PET	1.913556e-01	0.6324986853	0.631684766
## HGRE_align.L.PET	3.479568e-01	0.6321190577	0.609035411
## LGSRE_align.L.PET	1.954915e-01	0.6374729244	0.636268132
## HGSRE_align.L.PET	3.503704e-01	0.6306516246	0.607314133
## LGHRE_align.L.PET	1.734294e-01	0.6093364472	0.610056059
## HGLRE_align.L.PET	3.367944e-01	0.6361817792	0.614201834
## GLNU_norm_align.L.PET	2.539649e-01	0.6841758677	0.677092256
## RLNU_norm_align.L.PET	2.422529e-01	0.9981180610	0.993457386
## GLVAR_align.L.PET	3.975174e-01	0.6793859184	0.654787703
## RLVAR_align.L.PET	1.351680e-01	0.6452957446	0.648356904
## Entropy_align.L.PET	2.104150e-01	0.9845673812	0.982550621
## SZSE.L.PET	2.343657e-01	0.9775680604	0.975122939
## LZSE.L.PET	9.679401e-02	0.6910940784	0.690880027
## LGLZE.L.PET	1.913556e-01	0.6442825716	0.643384522
## HGLZE.L.PET	3.451822e-01	0.6417192137	0.618661589
## SZLGE.L.PET	2.012419e-01	0.6539714356	0.652319201
## SZHGE.L.PET	3.416360e-01	0.6367600323	0.614832856
## LZLGE.L.PET	1.173740e-01	0.5092809847	0.513830313
## LZHGE.L.PET	2.779030e-01	0.5250135646	0.503008749

## GLNU_area.L.PET	-1.781071e-01	0.2557545685	0.280563494
## ZSNU.L.PET	-1.803328e-01	0.2299683669	0.251795140
## ZSP.L.PET	2.439909e-01	0.9842040376	0.980089205
## GLNU_norm.L.PET	2.524767e-01	0.6844764053	0.677392530
## ZSNU_norm.L.PET	2.564066e-01	0.9863706841	0.979888547
## GLVAR_area.L.PET	3.951926e-01	0.6903661224	0.665680474
## ZSVAR.L.PET	-8.785527e-03	0.4475868986	0.458677189
## Entropy_area.L.PET	1.978416e-01	0.9848540627	0.984397564
## Max_cooc.H.PET	3.297157e-01	0.3148871457	0.298537470
## Average_cooc.H.PET	2.813926e-01	0.9745998890	0.968905514
## Variance_cooc.H.PET	8.526708e-02	0.8570253204	0.857927290
## Entropy_cooc.H.PET	1.826952e-01	0.8366723461	0.834024005
## DAVE_cooc.H.PET	1.579390e-01	0.8802731934	0.876388336
## DVAR_cooc.H.PET	1.674941e-01	0.8565474635	0.851145014
## DENT_cooc.H.PET	-8.325570e-03	0.7700680762	0.786200873
## SAVE_cooc.H.PET	2.598299e-01	0.9801550548	0.978259520
## SVAR_cooc.H.PET	3.021889e-02	0.8422711742	0.852238353
## SENT_cooc.H.PET	1.039022e-01	0.6961083246	0.692187511
## ASM_cooc.H.PET	3.655952e-01	0.3009228481	0.282489674
## Contrast_cooc.H.PET	1.546841e-01	0.7862066201	0.779620383
## Dissimilarity_cooc.H.PET	1.579390e-01	0.8802731934	0.876388336
## Inv_diff_cooc.H.PET	3.212399e-01	0.6769824359	0.667770749
## Inv_diff_norm_cooc.H.PET	2.339954e-01	0.9958765340	0.993310500
## IDM_cooc.H.PET	3.230060e-01	0.5731010698	0.562697439
## IDM_norm_cooc.H.PET	2.264783e-01	0.9985755065	0.996275553
## Inv_var_cooc.H.PET	1.756072e-01	0.5989736068	0.592618954
## Correlation_cooc.H.PET	5.692757e-02	0.6637380412	0.672532793
## Autocorrelation_cooc.H.PET	3.200160e-01	0.9177781596	0.909787637
## Tendency_cooc.H.PET	4.011122e-02	0.8186336700	0.823502070
## Shade_cooc.H.PET	-3.213241e-02	-0.4164272196	-0.412742522
## Prominence_cooc.H.PET	-6.388292e-02	0.6025966265	0.610542984
## IC1_d.H.PET	-2.296089e-02	-0.1075029580	-0.111613994
## IC2_d.H.PET	1.274586e-01	0.7805909911	0.783948399
## Coarseness_vdif.H.PET	2.836524e-01	0.4426626850	0.426450624
## Contrast_vdif.H.PET	3.254742e-01	0.2969889126	0.273427660
## Busyness_vdif.H.PET	-1.268368e-01	0.1160729200	0.135570386
## Complexity_vdif.H.PET	2.379725e-01	0.6674859399	0.650933287
## Strength_vdif.H.PET	2.769427e-01	0.0280552802	0.009212900
## SRE_align.H.PET	1.779345e-01	0.9734884901	0.972041458
## LRE_align.H.PET	2.821110e-01	0.6394438839	0.634950763
## RLNU_align.H.PET	-1.810241e-01	0.2285061887	0.249469494
## RP_align.H.PET	1.726325e-01	0.9617998084	0.959876216
## LGRE_align.H.PET	2.438770e-01	0.4659181394	0.452845251
## HGRE_align.H.PET	3.096010e-01	0.9228728097	0.914618076
## LGSRE_align.H.PET	2.442435e-01	0.4635102211	0.450396232
## HGSRE_align.H.PET	2.630091e-01	0.9675907239	0.960703861
## LGHRE_align.H.PET	2.433464e-01	0.4788055587	0.465951857
## HGLRE_align.H.PET	2.837830e-01	0.4398658544	0.433416959
## GLNU_norm_align.H.PET	3.776813e-01	0.5178040103	0.501882575
## RLNU_norm_align.H.PET	1.396698e-01	0.9115901331	0.910144669
## GLVAR_align.H.PET	5.802279e-02	0.8233545829	0.826576785
## RLVAR_align.H.PET	2.046377e-01	0.2846077102	0.283360170
## Entropy_align.H.PET	6.849062e-02	0.9000522853	0.906736853
## SZSE.H.PET	5.849425e-02	0.8565400550	0.861999348

## LZSE.H.PET	2.872814e-02	-0.0605402813	-0.054907806
## LGLZE.H.PET	2.420567e-01	0.4665981485	0.453521044
## HGLZE.H.PET	1.968573e-01	0.8680657021	0.872265142
## SZLGE.H.PET	2.424101e-01	0.4602465624	0.447165783
## SZHGE.H.PET	8.630197e-02	0.8322946267	0.835929436
## LZLGE.H.PET	4.563317e-02	0.0040945369	0.008286480
## LZHGE.H.PET	9.138473e-02	-0.0505147280	-0.049422051
## GLNU_area.H.PET	-1.834437e-01	0.2647743743	0.289714955
## ZSNU.H.PET	-1.718096e-01	0.1991457155	0.217229439
## ZSP.H.PET	2.685926e-05	0.6732299371	0.677956532
## GLNU_norm.H.PET	3.943030e-01	0.5310106148	0.512962205
## ZSNU_norm.H.PET	-2.077067e-03	0.7258991865	0.730313378
## GLVAR_area.H.PET	3.578168e-02	0.8019757239	0.806521181
## ZSVAR_H.PET	3.882819e-02	-0.0571737114	-0.052502148
## Entropy_area.H.PET	1.148289e-01	0.9466359732	0.953394102
## Max_cooc.W.PET	3.594546e-01	0.3549176685	0.335300191
## Average_cooc.W.PET	-6.534798e-02	0.5271383858	0.533025998
## Variance_cooc.W.PET	-9.902196e-02	0.2628836142	0.267143664
## Entropy_cooc.W.PET	4.731575e-02	0.8575911592	0.863449074
## DAVE_cooc.W.PET	-1.852161e-02	0.5534125742	0.554845905
## DVAR_cooc.W.PET	-6.978836e-02	0.2967137883	0.297519926
## DENT_cooc.W.PET	5.893933e-02	0.8426691278	0.846270992
## SAVE_cooc.W.PET	-6.588635e-02	0.5263634398	0.532279826
## SVAR_cooc.W.PET	-1.121497e-01	0.2372142169	0.243370310
## SENT_cooc.W.PET	9.762796e-02	0.8973606343	0.899104797
## ASM_cooc.W.PET	3.699297e-01	0.3915022795	0.371909039
## Contrast_cooc.W.PET	-5.612713e-02	0.3060694807	0.305001460
## Dissimilarity_cooc.W.PET	-1.852161e-02	0.5534125742	0.554845905
## Inv_diff_cooc.W.PET	3.241898e-01	0.7561413700	0.747340750
## Inv_diff_norm_cooc.W.PET	1.979417e-01	0.9939469715	0.994286112
## IDM_cooc.W.PET	3.289172e-01	0.6230455389	0.612642404
## IDM_norm_cooc.W.PET	2.079523e-01	0.9976935475	0.996864994
## Inv_var_cooc.W.PET	3.217887e-01	0.6929353217	0.683848878
## Correlation_cooc.W.PET	8.420303e-02	0.6555718696	0.665161085
## Autocorrelation_cooc.W.PET	-1.185444e-01	0.2601367771	0.265700575
## Tendency_cooc.W.PET	-1.121497e-01	0.2372142169	0.243370310
## Shade_cooc.W.PET	-6.080344e-02	0.0455975144	0.049519866
## Prominence_cooc.W.PET	-6.053885e-02	0.0137698576	0.016154950
## IC1_d.W.PET	-2.677307e-02	-0.1258036659	-0.126612570
## IC2_d.W.PET	1.968383e-01	0.8485014772	0.845146019
## Coarseness_vdif.W.PET	4.003163e-01	0.4596872584	0.428113869
## Contrast_vdif.W.PET	1.148172e-01	0.4890182243	0.475725210
## Busyness_vdif.W.PET	1.477444e-01	0.2299724545	0.235756735
## Complexity_vdif.W.PET	-9.950204e-02	0.1711571450	0.177093015
## Strength_vdif.W.PET	3.052468e-02	0.2546705178	0.248943750
## SRE_align.W.PET	2.029895e-01	0.9934085074	0.991475265
## LRE_align.W.PET	2.821249e-01	0.8679292607	0.863272968
## GLNU_align.W.PET	-1.555751e-01	0.2594941612	0.284617810
## RLNU_align.W.PET	-1.814238e-01	0.2292346449	0.250544151
## RP_align.W.PET	1.974847e-01	0.9892031803	0.987171970
## LGRE_align.W.PET	3.430796e-01	0.5004294858	0.488043613
## HGRE_align.W.PET	-1.190267e-01	0.2627960281	0.268192111
## LGSRE_align.W.PET	3.440261e-01	0.5367063917	0.524417576
## HGSRE_align.W.PET	-1.180370e-01	0.2585650616	0.263700872

## LGHRE_align.W.PET	3.165848e-01	0.3360869599	0.325147224
## HGLRE_align.W.PET	-1.227683e-01	0.2795195803	0.285914488
## GLNU_norm_align.W.PET	3.907590e-01	0.5198333042	0.502352925
## RLNU_norm_align.W.PET	1.764620e-01	0.9702749991	0.968703537
## GLVAR_align.W.PET	-1.091312e-01	0.2627810329	0.268181893
## RLVAR_align.W.PET	2.598633e-01	0.3611821775	0.355782885
## Entropy_align.W.PET	7.127050e-02	0.9025196396	0.908536508
## SZSE.W.PET	1.434682e-01	0.9430777670	0.944945142
## LZSE.W.PET	2.068228e-01	0.1298140662	0.121811138
## LGLZE.W.PET	3.282973e-01	0.5250295490	0.513585201
## HGLZE.W.PET	-1.180134e-01	0.2663269619	0.271499728
## SZLGE.W.PET	2.989530e-01	0.5997156953	0.590728026
## SZHGE.W.PET	-1.153242e-01	0.2543165957	0.258956001
## LZLGE.W.PET	1.724866e-01	-0.0004787033	-0.005702027
## LZHGE.W.PET	-7.489308e-02	0.3021174612	0.305707532
## GLNU_area.W.PET	-1.727015e-01	0.2691169202	0.294999116
## ZSNU.W.PET	-1.784265e-01	0.2174471630	0.237619469
## ZSP.W.PET	8.703316e-02	0.8726615356	0.875862150
## GLNU_norm.W.PET	3.877263e-01	0.5399774730	0.521721678
## ZSNU_norm.W.PET	8.145353e-02	0.8687726518	0.870659970
## GLVAR_area.W.PET	-1.095837e-01	0.2666642119	0.271962711
## ZSVAR.W.PET	1.575330e-01	0.0410881558	0.036155476
## Entropy_area.W.PET	1.113656e-01	0.9396594286	0.945302896
## Min_hist.ADC	5.241809e-01	0.3454849783	0.302793651
## Max_hist.ADC	4.602788e-03	0.8738083661	0.903068787
## Mean_hist.ADC	2.230736e-01	0.8675710771	0.866885759
## Variance_hist.ADC	-9.536131e-02	0.4407554672	0.481872491
## Standard_Deviation_hist.ADC	8.784933e-03	0.7187822406	0.748784346
## Skewness_hist.ADC	1.837982e-01	0.2304606178	0.226582730
## Kurtosis_hist.ADC	-8.730208e-02	0.2712063733	0.278095814
## Energy_hist.ADC	3.607788e-01	0.4634389242	0.442867565
## Entropy_hist.ADC	-4.371514e-02	0.9455812064	0.966300607
## AUC_hist.ADC	1.940354e-01	0.9754174189	0.977607785
## Volume.ADC	-1.845702e-01	0.3084608736	0.336422916
## X3D_surface.ADC	-3.514566e-01	0.4121389375	0.475242194
## ratio_3ds_vol.ADC	7.696278e-01	0.6684634801	0.607687919
## ratio_3ds_vol_norm.ADC	9.716831e-02	0.9369610572	0.943320900
## irregularity.ADC	4.305195e-01	0.9650849535	0.942797071
## Compactness_v1.ADC	3.438351e-01	0.6984797979	0.683029322
##	GLNU_align.H.ADC	RLNU_align.H.ADC	RP_align.H.ADC
## Failure	-0.1686343820	-0.169115423	0.0071996496
## Entropy_cooc.W.ADC	0.2646079313	0.263897926	0.0185240718
## GLNU_align.H.PET	0.1663278955	0.165631170	-0.0476551269
## Min_hist.PET	0.2754314722	0.276759952	0.5296630729
## Max_hist.PET	0.3168345362	0.318210355	0.5434686240
## Mean_hist.PET	0.2893234534	0.291110162	0.5297453611
## Variance_hist.PET	0.1849041331	0.186570916	0.2624598290
## Standard_Deviation_hist.PET	0.2964388562	0.298495645	0.5373410984
## Skewness_hist.PET	0.2171424252	0.215583152	0.5343003923
## Kurtosis_hist.PET	0.1011177804	0.099004160	0.1473462450
## Energy_hist.PET	0.0741400552	0.072428627	0.4551840322
## Entropy_hist.PET	0.4138205760	0.415208393	0.8672970642
## AUC_hist.PET	0.3626146528	0.363437572	0.9949377828
## H_suv.PET	0.3226032232	0.324302079	0.5630077515

## Volume.PET	0.3565900587	0.358536190	0.3191904833
## X3D_surface.PET	0.2453997630	0.247120029	0.2178101158
## ratio_3ds_vol.PET	0.0431121427	0.042276870	0.5815848900
## ratio_3ds_vol_norm.PET	0.2595189828	0.259198640	0.5861252544
## irregularity.PET	0.2643927550	0.265065480	0.9700644630
## tumor_length.PET	0.3902836709	0.391298248	0.5976686149
## Compactness_v1.PET	0.1903446530	0.189308781	0.5589817514
## Compactness_v2.PET	0.1557801976	0.157244900	0.2268385205
## Spherical_disproportion.PET	0.2595189828	0.259198640	0.5861252544
## Sphericity.PET	0.1546848691	0.156594666	0.2255411483
## Asphericity.PET	0.2529774321	0.252607452	0.5642658570
## Center_of_mass.PET	0.3019305452	0.303733140	0.3673725088
## Max_3D_diam.PET	0.3308382518	0.332790600	0.4549644730
## Major_axis_length.PET	0.3495023948	0.350980283	0.5007648305
## Minor_axis_length.PET	0.4688738213	0.470829700	0.6525153797
## Least_axis_length.PET	0.4379088238	0.440439586	0.5503321754
## Elongation.PET	0.3235688027	0.325078035	0.8585185241
## Flatness.PET	0.3339269439	0.336010620	0.7935198832
## Max_cooc.L.PET	0.1113044793	0.109520637	0.4787172130
## Average_cooc.L.PET	0.1807712859	0.183080801	0.8165323897
## Variance_cooc.L.PET	0.0398140545	0.041371124	0.6543978434
## Entropy_cooc.L.PET	0.3626908835	0.364566866	0.9793204230
## DAVE_cooc.L.PET	0.1115585601	0.113127892	0.7637450536
## DVAR_cooc.L.PET	0.0461175385	0.047193219	0.6761505664
## DENT_cooc.L.PET	0.2897418898	0.291339005	0.9719015127
## SAVE_cooc.L.PET	0.1807058038	0.183018329	0.8163351624
## SVAR_cooc.L.PET	0.0630383682	0.064691284	0.6622264785
## SENT_cooc.L.PET	0.3054321671	0.306813776	0.9776492508
## ASM_cooc.L.PET	0.1165365918	0.114829407	0.4495706943
## Contrast_cooc.L.PET	-0.0024614935	-0.001265587	0.5537978654
## Dissimilarity_cooc.L.PET	0.1115585601	0.113127892	0.7637450536
## Inv_diff_cooc.L.PET	0.3827020763	0.382642247	0.8506886510
## Inv_diff_norm_cooc.L.PET	0.3655460779	0.366639932	0.9931807473
## IDM_cooc.L.PET	0.3575343971	0.356932284	0.7617999516
## IDM_norm_cooc.L.PET	0.3572145698	0.358387754	0.9972395914
## Inv_var_cooc.L.PET	0.3754886123	0.374837092	0.7658683941
## Correlation_cooc.L.PET	0.3244652035	0.325108930	0.6553117994
## Autocorrelation_cooc.L.PET	0.0705399855	0.072720823	0.6119116265
## Tendency_cooc.L.PET	0.0630383682	0.064691284	0.6622264785
## Shade_cooc.L.PET	0.0806811440	0.080722390	0.3263156143
## Prominence_cooc.L.PET	-0.0163034920	-0.015469687	0.4697352149
## IC1_.L.PET	0.1544374536	0.153760964	-0.3662420470
## IC2_.L.PET	0.1771442704	0.177951214	0.9059312636
## Coarseness_vdif_.L.PET	0.0096842609	0.008189115	0.4916964599
## Contrast_vdif_.L.PET	-0.1053170473	-0.105244824	0.2409376403
## Busyness_vdif_.L.PET	0.3427829133	0.344670356	0.3067631860
## Complexity_vdif_.L.PET	0.1122792089	0.113066349	0.7226693131
## Strength_vdif_.L.PET	-0.1661111260	-0.166936552	0.3068429167
## SRE_align.L.PET	0.3391073970	0.340344680	0.9994245123
## LRE_align.L.PET	0.3567208283	0.357863930	0.9907773566
## GLNU_align.L.PET	0.2862544528	0.287645276	0.2524306208
## RLNU_align.L.PET	0.3031515226	0.305354377	0.2272361782
## RP_align.L.PET	0.3370860954	0.338328868	0.9993043369
## LGRE_align.L.PET	0.1722425809	0.170551430	0.6324055607

## HGRE_align.L.PET	0.0888923599	0.091116297	0.6335313796
## LGSRE_align.L.PET	0.1739329438	0.172248216	0.6374045372
## HGSRE_align.L.PET	0.0857104080	0.087911961	0.6320844544
## LGHRE_align.L.PET	0.1647656008	0.163060827	0.6091479799
## HGLRE_align.L.PET	0.1018126372	0.104120998	0.6375056818
## GLNU_norm_align.L.PET	0.1970107226	0.195430997	0.6845487818
## RLNU_norm_align.L.PET	0.3299034845	0.331163429	0.9981227264
## GLVAR_align.L.PET	0.0747587377	0.076579387	0.6808869701
## RLVAR_align.L.PET	0.2797880471	0.278716149	0.6449203064
## Entropy_align.L.PET	0.3564203118	0.358243071	0.9843634761
## SZSE.L.PET	0.3347553731	0.335989861	0.9774283921
## LZSE.L.PET	0.2494118793	0.250044505	0.6908625540
## LGLZE.L.PET	0.1761210818	0.174442276	0.6441934276
## HGLZE.L.PET	0.0900585137	0.092304778	0.6431283719
## SZLGE.L.PET	0.1815506561	0.179904218	0.6539307239
## SZHGE.L.PET	0.0894428299	0.091629118	0.6381009478
## LZLGE.L.PET	0.1434063954	0.141582351	0.5088542136
## LZHGE.L.PET	0.0808893672	0.082902692	0.5263415904
## GLNU_area.L.PET	0.2937945775	0.295313759	0.2538763933
## ZSNU.L.PET	0.3083851177	0.310720097	0.2282686067
## ZSP.L.PET	0.3274384736	0.328707771	0.9841784433
## GLNU_norm.L.PET	0.1992951475	0.197752957	0.6848500441
## ZSNU_norm.L.PET	0.3138631137	0.315182487	0.9865063191
## GLVAR_area.L.PET	0.0752582011	0.077084487	0.6918718377
## ZSVAR.L.PET	0.2262977307	0.225928034	0.4466627718
## Entropy_area.L.PET	0.3656714915	0.367434113	0.9845396587
## Max_cooc.H.PET	-0.0333756692	-0.034854712	0.3160072951
## Average_cooc.H.PET	0.2851896927	0.286095315	0.9746989277
## Variance_cooc.H.PET	0.3551764737	0.357349560	0.8566560830
## Entropy_cooc.H.PET	0.3065446288	0.308568602	0.8365694306
## DAVE_cooc.H.PET	0.3057858793	0.307548521	0.8802828415
## DVAR_cooc.H.PET	0.2829810372	0.284822401	0.8566882277
## DENT_cooc.H.PET	0.3752875194	0.376065349	0.7686367131
## SAVE_cooc.H.PET	0.3243795281	0.325385806	0.9799668236
## SVAR_cooc.H.PET	0.4312148432	0.432333154	0.8412373388
## SENT_cooc.H.PET	0.2727529354	0.273591687	0.6961462773
## ASM_cooc.H.PET	-0.0261350098	-0.027748435	0.3022101620
## Contrast_cooc.H.PET	0.2611883656	0.263025999	0.7864615783
## Dissimilarity_cooc.H.PET	0.3057858793	0.307548521	0.8802828415
## Inv_diff_cooc.H.PET	0.1536865950	0.153117816	0.6774518522
## Inv_diff_norm_cooc.H.PET	0.3403011550	0.341385136	0.9957295889
## IDM_cooc.H.PET	0.1037612787	0.102877579	0.5736993671
## IDM_norm_cooc.H.PET	0.3440514918	0.345207271	0.9984080598
## Inv_var_cooc_.H.PET	0.2341449744	0.233368025	0.5992562430
## Correlation_cooc.H.PET	0.3229796578	0.323785636	0.6627974183
## Autocorrelation_cooc.H.PET	0.2329711867	0.233524516	0.9180655679
## Tendency_cooc.H.PET	0.3741924487	0.376352818	0.8179601127
## Shade_cooc.H.PET	-0.0686719505	-0.070050879	-0.4165765452
## Prominence_cooc.H.PET	0.3408304484	0.343305123	0.6017615675
## IC1_d.H.PET	-0.0733529043	-0.074164313	-0.1070854459
## IC2_d.H.PET	0.3400992337	0.341050274	0.7800162663
## Coarseness_vdif.H.PET	0.0950330944	0.093393469	0.4437471886
## Contrast_vdif.H.PET	-0.1012435225	-0.101915323	0.2986213397
## Busyness_vdif.H.PET	0.2307373903	0.233145169	0.1145879742

## Complexity_vdif.H.PET	0.1432909099	0.143343378	0.6685081114
## Strength_vdif.H.PET	-0.0984564894	-0.099071817	0.0294204414
## SRE_align.H.PET	0.3511787733	0.352665747	0.9732664778
## LRE_align.H.PET	0.1601109926	0.159781393	0.6395687410
## RLNU_align.H.PET	0.3011580174	0.303433872	0.2268671970
## RP_align.H.PET	0.3458829505	0.347406411	0.9616147394
## LGRE_align.H.PET	0.1325224339	0.131093067	0.4667673109
## HGRE_align.H.PET	0.2553646691	0.255873841	0.9231820350
## LGSRE_align.H.PET	0.1311747258	0.129735765	0.4643633595
## HGSRE_align.H.PET	0.2894019871	0.290236951	0.9677823817
## LGHRE_align.H.PET	0.1397935204	0.138405529	0.4796335929
## HGLRE_align.H.PET	0.0868126774	0.086519011	0.4402043827
## GLNU_norm_align.H.PET	0.0277264537	0.026496284	0.5188369407
## RLNU_norm_align.H.PET	0.3377759616	0.339443322	0.9113846640
## GLVAR_align.H.PET	0.3627222687	0.364940964	0.8228215845
## RLVAR_align.H.PET	0.0723067941	0.071679266	0.2846233145
## Entropy_align.H.PET	0.4086346998	0.410682023	0.8992342025
## SZSE.H.PET	0.3622822958	0.364057678	0.8558518913
## LZSE.H.PET	-0.0081675333	-0.008810011	-0.0609476300
## LGLZE.H.PET	0.1328038126	0.131399374	0.4674471422
## HGLZE.H.PET	0.2930743164	0.293629895	0.8675163171
## SZLGE.H.PET	0.1293388053	0.127896204	0.4610990505
## SZHGE.H.PET	0.3022240180	0.303328283	0.8317736020
## LZLGE.H.PET	0.0182760301	0.017139241	0.0037741696
## LZHGE.H.PET	-0.0331313339	-0.033700175	-0.0505869131
## GLNU_area.H.PET	0.3145259176	0.316619423	0.2628658564
## ZSNU.H.PET	0.2797008357	0.282028970	0.1977251289
## ZSP.H.PET	0.2962259656	0.298180877	0.6726516549
## GLNU_norm.H.PET	0.0158220021	0.014741322	0.5321855748
## ZSNU_norm.H.PET	0.3248864078	0.326719957	0.7253142979
## GLVAR_area.H.PET	0.3677825132	0.370030261	0.8013588417
## ZSVAR.H.PET	-0.0174034622	-0.018164076	-0.0575088769
## Entropy_area.H.PET	0.4111234133	0.412853960	0.9458162499
## Max_cooc.W.PET	-0.0004419069	-0.002099787	0.3562745720
## Average_cooc.W.PET	0.2852328821	0.287633051	0.5264716245
## Variance_cooc.W.PET	0.1708258036	0.172401051	0.2624265661
## Entropy_cooc.W.PET	0.3849921088	0.387141167	0.8568526919
## DAVE_cooc.W.PET	0.2488297592	0.250906066	0.5531007638
## DVAR_cooc.W.PET	0.1556501481	0.157117654	0.2965234158
## DENT_cooc.W.PET	0.3545590510	0.356551530	0.8421078088
## SAVE_cooc.W.PET	0.2850614193	0.287465539	0.5256947136
## SVAR_cooc.W.PET	0.1754049474	0.176900600	0.2366159307
## SENT_cooc.W.PET	0.3710293964	0.372807060	0.8969089616
## ASM_cooc.W.PET	0.0315039357	0.029662435	0.3928531335
## Contrast_cooc.W.PET	0.1434357399	0.145080809	0.3060219440
## Dissimilarity_cooc.W.PET	0.2488297592	0.250906066	0.5531007638
## Inv_diff_cooc.W.PET	0.1865132950	0.186135740	0.7565562785
## Inv_diff_norm_cooc.W.PET	0.3627266428	0.363811353	0.9935952999
## IDM_cooc.W.PET	0.1231678259	0.122386178	0.6236270012
## IDM_norm_cooc.W.PET	0.3560461955	0.357217255	0.9974230414
## Inv_var_cooc.W.PET	0.1602138509	0.159553458	0.6933958930
## Correlation_cooc.W.PET	0.3287181685	0.329353862	0.6545906500
## Autocorrelation_cooc.W.PET	0.1932382400	0.195228651	0.2595571360
## Tendency_cooc.W.PET	0.1754049474	0.176900600	0.2366159307

## Shade_cooc.W.PET	0.0628526001	0.062985646	0.0452611634
## Prominence_cooc.W.PET	0.0375822441	0.037873757	0.0135452740
## IC1_d.W.PET	-0.0383080431	-0.039346412	-0.1256086984
## IC2_d.W.PET	0.3102747805	0.311141050	0.8484072016
## Coarseness_vdif.W.PET	-0.0300461715	-0.031518192	0.4618614170
## Contrast_vdif.W.PET	0.1002888982	0.102169611	0.4898201599
## Busyness_vdif.W.PET	0.1113957439	0.112044338	0.2294584520
## Complexity_vdif.W.PET	0.1362953759	0.137061576	0.1706255148
## Strength_vdif.W.PET	-0.0463355050	-0.046626310	0.2550181429
## SRE_align.W.PET	0.3500208738	0.351381118	0.9932172239
## LRE_align.W.PET	0.2664403025	0.266982247	0.8679851868
## GLNU_align.W.PET	0.2939152814	0.295407410	0.2575905191
## RLNU_align.W.PET	0.3006746063	0.302882916	0.2275716314
## RP_align.W.PET	0.3494423917	0.350835042	0.9890193770
## LGRE_align.W.PET	0.0347898758	0.033267959	0.5011943771
## HGRE_align.W.PET	0.2002259352	0.202205257	0.2622295687
## LGSRE_align.W.PET	0.0470356883	0.045534323	0.5374519832
## HGSRE_align.W.PET	0.1958291204	0.197786302	0.2580204792
## LGHRE_align.W.PET	-0.0054171348	-0.006884034	0.3367972502
## HGLRE_align.W.PET	0.2171550180	0.219219602	0.2788685137
## GLNU_norm_align.W.PET	0.0307436154	0.029347768	0.5209822012
## RLNU_norm_align.W.PET	0.3496673311	0.351179019	0.9700613139
## GLVAR_align.W.PET	0.1855554461	0.187214097	0.2622310675
## RLVAR_align.W.PET	0.0723730639	0.071520112	0.3614789623
## Entropy_align.W.PET	0.4033737082	0.405421023	0.9017536441
## SZSE.W.PET	0.3609267991	0.362424505	0.9426298263
## LZSE.W.PET	-0.0353940193	-0.036044204	0.1303488018
## LGLZE.W.PET	0.0488524214	0.047390236	0.5257187497
## HGLZE.W.PET	0.1948485621	0.196788292	0.2657797608
## SZLGE.W.PET	0.0960298576	0.094637370	0.6002009595
## SZHGE.W.PET	0.1792498830	0.181097180	0.2538207413
## LZLGE.W.PET	-0.0603482492	-0.061225759	-0.0001005074
## LZHGE.W.PET	0.2156447065	0.217550372	0.3016296595
## GLNU_area.W.PET	0.3117182585	0.313475690	0.2671496999
## ZSNU.W.PET	0.2931339550	0.295409316	0.2158717311
## ZSP.W.PET	0.3535906942	0.355268605	0.8721332845
## GLNU_norm.W.PET	0.0316105167	0.030252664	0.5411740416
## ZSNU_norm.W.PET	0.3471585279	0.348842829	0.8683309670
## GLVAR_area.W.PET	0.1829021660	0.184518089	0.2661238722
## ZSVAR.W.PET	-0.0537769211	-0.054457408	0.0414312150
## Entropy_area.W.PET	0.4059345422	0.407792562	0.9389174128
## Min_hist.ADC	-0.2912786934	-0.292006175	0.3485622934
## Max_hist.ADC	0.5432192495	0.543416122	0.8713593381
## Mean_hist.ADC	0.2292532178	0.229384860	0.8673720484
## Variance_hist.ADC	0.4657159692	0.463467942	0.4376439565
## Standard_Deviation_hist.ADC	0.4854835860	0.484586193	0.7163765174
## Skewness_hist.ADC	0.1401046139	0.140634600	0.2305681933
## Kurtosis_hist.ADC	0.1943452115	0.195895704	0.2703724680
## Energy_hist.ADC	0.0798898464	0.078140656	0.4648377087
## Entropy_hist.ADC	0.4952606099	0.496690407	0.9437480641
## AUC_hist.ADC	0.4012082364	0.402723393	0.9749117487
## Volume.ADC	0.3623699499	0.364407730	0.3063495666
## X3D_surface.ADC	0.8433556902	0.843577999	0.4072771676
## ratio_3ds_vol.ADC	-0.1904420480	-0.190855335	0.6727247388

## ratio_3ds_vol_norm.ADC	0.4144314652	0.416274726	0.9361870835
## irregularity.ADC	0.1713325331	0.171997575	0.9664120465
## Compactness_v1.ADC	0.1711648036	0.170074087	0.6994121087
##	LGRE_align.H.ADC	HGRE_align.H.ADC	LGSRE_align.H.ADC
## Failure	0.0328158824	0.0039625426	3.695261e-02
## Entropy_cooc.W.ADC	-0.0123595801	0.0230256711	-1.939845e-02
## GLNU_align.H.PET	0.0209178190	-0.0484450473	1.539246e-02
## Min_hist.PET	0.2669207404	0.5351855357	2.605237e-01
## Max_hist.PET	0.2782410925	0.5503521461	2.679653e-01
## Mean_hist.PET	0.2624152342	0.5361203406	2.550014e-01
## Variance_hist.PET	0.1205722901	0.2667689884	1.139809e-01
## Standard_Deviation_hist.PET	0.2940372814	0.5425453040	2.846312e-01
## Skewness_hist.PET	0.4078145062	0.5315592369	3.991554e-01
## Kurtosis_hist.PET	0.1646563207	0.1462549169	1.559413e-01
## Energy_hist.PET	0.9432507441	0.4039101034	9.480833e-01
## Entropy_hist.PET	0.5008927641	0.8746666089	4.893996e-01
## AUC_hist.PET	0.7108618987	0.9913337102	7.005703e-01
## H_suv.PET	0.3870410630	0.5626234448	3.794216e-01
## Volume.PET	-0.0251743385	0.3412899376	-3.535383e-02
## X3D_surface.PET	0.1596515436	0.2187852359	1.519486e-01
## ratio_3ds_vol.PET	0.7012571794	0.5542145922	7.037392e-01
## ratio_3ds_vol_norm.PET	0.6938548594	0.5629629156	6.874071e-01
## irregularity.PET	0.6766536912	0.9665298247	6.687046e-01
## tumor_length.PET	0.4425394204	0.5974945430	4.278866e-01
## Compactness_v1.PET	0.9213586904	0.5167967335	9.206808e-01
## Compactness_v2.PET	-0.1453281883	0.2521802381	-1.555289e-01
## Spherical_disproportion.PET	0.6938548594	0.5629629156	6.874071e-01
## Sphericity.PET	-0.2614646933	0.2593092274	-2.709361e-01
## Asphericity.PET	0.6855178878	0.5406277808	6.793075e-01
## Center_of_mass.PET	0.2516209314	0.3698013885	2.407066e-01
## Max_3D_diam.PET	0.0098174284	0.4795789562	-2.826198e-03
## Major_axis_length.PET	0.1362832732	0.5176286359	1.249084e-01
## Minor_axis_length.PET	0.3131138910	0.6651829770	2.969253e-01
## Least_axis_length.PET	0.1842029157	0.5676723523	1.685461e-01
## Elongation.PET	0.6629788833	0.8517303330	6.537650e-01
## Flatness.PET	0.5576632531	0.7918829963	5.470507e-01
## Max_cooc.L.PET	0.9581401120	0.4285543132	9.607824e-01
## Average_cooc.L.PET	0.5478351221	0.8149347474	5.436695e-01
## Variance_cooc.L.PET	0.4649436814	0.6492289337	4.654243e-01
## Entropy_cooc.L.PET	0.6096376144	0.9832074978	5.983221e-01
## DAVE_cooc.L.PET	0.5379416546	0.7590449319	5.366227e-01
## DVAR_cooc.L.PET	0.5442979403	0.6674512706	5.426775e-01
## DENT_cooc.L.PET	0.6419082671	0.9716442815	6.337129e-01
## SAVE_cooc.L.PET	0.5468925430	0.8148004884	5.427212e-01
## SVAR_cooc.L.PET	0.4503143036	0.6591171488	4.493479e-01
## SENT_cooc.L.PET	0.7090763828	0.9720931535	7.014536e-01
## ASM_cooc.L.PET	0.9539392772	0.3983344723	9.568887e-01
## Contrast_cooc.L.PET	0.4253363854	0.5460694196	4.280496e-01
## Dissimilarity_cooc.L.PET	0.5379416546	0.7590449319	5.366227e-01
## Inv_diff_cooc.L.PET	0.6953344813	0.8421822117	6.827805e-01
## Inv_diff_norm_cooc.L.PET	0.6762580435	0.9923810143	6.648367e-01
## IDM_cooc.L.PET	0.7107940420	0.7477232381	6.991125e-01
## IDM_norm_cooc.L.PET	0.6766413763	0.9964820992	6.656097e-01
## Inv_var_cooc.L.PET	0.7097210131	0.7524003709	6.977531e-01

## Correlation_cooc.L.PET	0.4386776012	0.6560803600	4.271910e-01
## Autocorrelation_cooc.L.PET	0.4345958444	0.6084609781	4.338583e-01
## Tendency_cooc.L.PET	0.4503143036	0.6591171488	4.493479e-01
## Shade_cooc.L.PET	0.1890838274	0.3263373785	1.883610e-01
## Prominence_cooc.L.PET	0.3354671600	0.4651787027	3.375377e-01
## IC1_.L.PET	-0.0632298037	-0.3735165747	-6.827232e-02
## IC2_.L.PET	0.7012311047	0.8951008633	6.977051e-01
## Coarseness_vdif_.L.PET	0.9047968437	0.4440709670	9.114805e-01
## Contrast_vdif_.L.PET	0.2580157562	0.2285438815	2.643060e-01
## Busyness_vdif_.L.PET	0.0651425731	0.3207335738	5.410954e-02
## Complexity_vdif_.L.PET	0.5794294772	0.7123504374	5.788007e-01
## Strength_vdif_.L.PET	0.3448474087	0.2904881569	3.527806e-01
## SRE_align.L.PET	0.6841433648	0.9979184043	6.740015e-01
## LRE_align.L.PET	0.6638278700	0.9905717075	6.523715e-01
## GLNU_align.L.PET	0.0510181079	0.2640043988	4.072144e-02
## RLNU_align.L.PET	0.0006320045	0.2406558820	-8.319765e-03
## RP_align.L.PET	0.6844270890	0.9977239002	6.743916e-01
## LGRE_align.L.PET	0.7292300223	0.6084274987	7.235751e-01
## HGRE_align.L.PET	0.4534819312	0.6293633878	4.530468e-01
## LGSRE_align.L.PET	0.7396660479	0.6128390022	7.341548e-01
## HGSRE_align.L.PET	0.4542281419	0.6277558594	4.539302e-01
## LGHRE_align.L.PET	0.6853692246	0.5875216313	6.791826e-01
## HGLRE_align.L.PET	0.4487490483	0.6340128952	4.477351e-01
## GLNU_norm_align.L.PET	0.9452589281	0.6465375620	9.426557e-01
## RLNU_norm_align.L.PET	0.6856654073	0.9962458070	6.759952e-01
## GLVAR_align.L.PET	0.4775484184	0.6767250593	4.767760e-01
## RLVAR_align.L.PET	0.8621352141	0.6123731934	8.556652e-01
## Entropy_align.L.PET	0.6219618046	0.9871893170	6.110610e-01
## SZSE.L.PET	0.6827427107	0.9753569227	6.731473e-01
## LZSE.L.PET	0.4297646084	0.6920334219	4.197474e-01
## LGLZE.L.PET	0.7438553336	0.6198043311	7.381141e-01
## HGLZE.L.PET	0.4589514506	0.6389855994	4.584701e-01
## SZLGE.L.PET	0.7739993240	0.6278336433	7.687917e-01
## SZHGE.L.PET	0.4642300684	0.6336019289	4.639433e-01
## LZLGE.L.PET	0.5342346149	0.4937734574	5.266673e-01
## LZHGE.L.PET	0.3430550204	0.5241304065	3.416827e-01
## GLNU_area.L.PET	0.0466702130	0.2659092236	3.654416e-02
## ZSNU.L.PET	-0.0059696367	0.2424058772	-1.475415e-02
## ZSP.L.PET	0.6839620467	0.9820547880	6.747945e-01
## GLNU_norm.L.PET	0.9485283031	0.6466255199	9.459434e-01
## ZSNU_norm.L.PET	0.6860827429	0.9837941267	6.775108e-01
## GLVAR_area.L.PET	0.4876941602	0.6874800466	4.868609e-01
## ZSVAR.L.PET	0.3935202515	0.4398191139	3.826744e-01
## Entropy_area.L.PET	0.6189567891	0.9877806147	6.074343e-01
## Max_cooc.H.PET	0.4211350380	0.2986577774	4.235779e-01
## Average_cooc.H.PET	0.6498640891	0.9745065017	6.404063e-01
## Variance_cooc.H.PET	0.5304986016	0.8595724752	5.206700e-01
## Entropy_cooc.H.PET	0.4799935356	0.8423821329	4.700483e-01
## DAVE_cooc.H.PET	0.5690423363	0.8813247682	5.609971e-01
## DVAR_cooc.H.PET	0.5748819462	0.8561661038	5.682698e-01
## DENT_cooc.H.PET	0.4059083336	0.7794743322	3.929891e-01
## SAVE_cooc.H.PET	0.6355847496	0.9817719308	6.249222e-01
## SVAR_cooc.H.PET	0.5297381899	0.8444409590	5.185402e-01
## SENT_cooc.H.PET	0.7035708152	0.6766606071	6.981970e-01

## ASM_cooc.H.PET	0.4909898317	0.2786562629	4.945250e-01
## Contrast_cooc.H.PET	0.5189976941	0.7863054281	5.133479e-01
## Dissimilarity_cooc.H.PET	0.5690423363	0.8813247682	5.609971e-01
## Inv_diff_cooc.H.PET	0.5781143561	0.6673596871	5.736251e-01
## Inv_diff_norm_cooc.H.PET	0.6867291794	0.9939084967	6.762258e-01
## IDM_cooc.H.PET	0.5235234721	0.5624228070	5.207020e-01
## IDM_norm_cooc.H.PET	0.6819882077	0.9970967753	6.713774e-01
## Inv_var_cooc_.H.PET	0.9132979502	0.5592047866	9.110440e-01
## Correlation_cooc.H.PET	0.4423819053	0.6633477543	4.308177e-01
## Autocorrelation_cooc.H.PET	0.6279559605	0.9165511934	6.197077e-01
## Tendency_cooc.H.PET	0.4891626034	0.8222835537	4.779544e-01
## Shade_cooc.H.PET	-0.2662785835	-0.4170837152	-2.624909e-01
## Prominence_cooc.H.PET	0.3301518909	0.6074137056	3.202669e-01
## IC1_d.H.PET	0.2947659478	-0.1344326953	3.012521e-01
## IC2_d.H.PET	0.5238934793	0.7792283989	5.128567e-01
## Coarseness_vdif.H.PET	0.9487893234	0.3920656532	9.527625e-01
## Contrast_vdif.H.PET	0.3124284866	0.2875816569	3.174343e-01
## Busyness_vdif.H.PET	-0.2831266302	0.1438487601	-2.894820e-01
## Complexity_vdif.H.PET	0.7614384949	0.6420855849	7.614304e-01
## Strength_vdif.H.PET	0.0925845662	0.0210167390	9.771123e-02
## SRE_align.H.PET	0.6591297960	0.9723410502	6.487174e-01
## LRE_align.H.PET	0.4438134886	0.6386049520	4.374535e-01
## RLNU_align.H.PET	0.0124975628	0.2394828941	3.919862e-03
## RP_align.H.PET	0.6523316434	0.9605058291	6.422023e-01
## LGRE_align.H.PET	0.9565474612	0.4161715159	9.592801e-01
## HGRE_align.H.PET	0.6271078756	0.9217105311	6.192628e-01
## LGSRE_align.H.PET	0.9559752429	0.4136889548	9.587544e-01
## HGSRE_align.H.PET	0.6440193916	0.9671236631	6.353843e-01
## LGHRE_align.H.PET	0.9594998534	0.4294654811	9.619669e-01
## HGLRE_align.H.PET	0.3230984492	0.4382399696	3.192620e-01
## GLNU_norm_align.H.PET	0.5207453369	0.5044586025	5.207015e-01
## RLNU_norm_align.H.PET	0.6163154823	0.9103992925	6.065962e-01
## GLVAR_align.H.PET	0.5003476682	0.8266386623	4.900750e-01
## RLVAR_align.H.PET	0.2458707100	0.2812158663	2.423418e-01
## Entropy_align.H.PET	0.5356482075	0.9048393381	5.228364e-01
## SZSE.H.PET	0.5757856012	0.8558947135	5.653985e-01
## LZSE.H.PET	-0.0828306630	-0.0561009519	-8.520479e-02
## LGLZE.H.PET	0.9553618023	0.4169642950	9.580790e-01
## HGLZE.H.PET	0.5582551912	0.8704666693	5.471815e-01
## SZLGE.H.PET	0.9540914207	0.4104061615	9.569251e-01
## SZHGE.H.PET	0.5300106755	0.8337303577	5.203012e-01
## LZLGE.H.PET	0.0444129052	0.0018733427	4.241134e-02
## LZHGE.H.PET	-0.0447654806	-0.0485144930	-4.624550e-02
## GLNU_area.H.PET	0.0099078414	0.2781515631	1.252141e-05
## ZSNU.H.PET	0.0009668449	0.2095355425	-5.878708e-03
## ZSP.H.PET	0.4336731828	0.6740373898	4.257503e-01
## GLNU_norm.H.PET	0.5289743531	0.5176144947	5.294431e-01
## ZSNU_norm.H.PET	0.4846984763	0.7248990894	4.763193e-01
## GLVAR_area.H.PET	0.4847451383	0.8054758636	4.743453e-01
## ZSVAR.H.PET	-0.0629915618	-0.0540195041	-6.511897e-02
## Entropy_area.H.PET	0.5816089264	0.9507974276	5.679424e-01
## Max_cooc.W.PET	0.6187421292	0.3253720412	6.226993e-01
## Average_cooc.W.PET	0.2685321218	0.5330630093	2.597962e-01
## Variance_cooc.W.PET	0.1287042930	0.2659644297	1.224886e-01

## Entropy_cooc.W.PET	0.5019938899	0.8627144716	4.899764e-01
## DAVE_cooc.W.PET	0.3067985082	0.5575243564	2.998012e-01
## DVAR_cooc.W.PET	0.1406018572	0.3004568535	1.359572e-01
## DENT_cooc.W.PET	0.5111324552	0.8461643982	5.002955e-01
## SAVE_cooc.W.PET	0.2666413086	0.5323936372	2.578968e-01
## SVAR_cooc.W.PET	0.1184016153	0.2398901456	1.114944e-01
## SENT_cooc.W.PET	0.6157598864	0.8952113576	6.053209e-01
## ASM_cooc.W.PET	0.7748560877	0.3518901774	7.791815e-01
## Contrast_cooc.W.PET	0.1429880258	0.3099993210	1.391341e-01
## Dissimilarity_cooc.W.PET	0.3067985082	0.5575243564	2.998012e-01
## Inv_diff_cooc.W.PET	0.6177499018	0.7475188086	6.123490e-01
## Inv_diff_norm_cooc.W.PET	0.6779266232	0.9926423624	6.665857e-01
## IDM_cooc.W.PET	0.5490697402	0.6129524213	5.457536e-01
## IDM_norm_cooc.W.PET	0.6774869017	0.9965860987	6.664837e-01
## Inv_var_cooc.W.PET	0.5991020390	0.6825549806	5.948478e-01
## Correlation_cooc.W.PET	0.4369656658	0.6554970067	4.253511e-01
## Autocorrelation_cooc.W.PET	0.0948818568	0.2656898425	8.862309e-02
## Tendency_cooc.W.PET	0.1184016153	0.2398901456	1.114944e-01
## Shade_cooc.W.PET	0.0525440544	0.0442163158	4.757951e-02
## Prominence_cooc.W.PET	0.0192648583	0.0133465508	1.487176e-02
## IC1_d.W.PET	0.3386688812	-0.1563198406	3.444660e-01
## IC2_d.W.PET	0.5941971514	0.8446782677	5.849612e-01
## Coarseness_vdif.W.PET	0.8370093253	0.4170309802	8.450198e-01
## Contrast_vdif.W.PET	0.3899786146	0.4827612929	3.890587e-01
## Busyness_vdif.W.PET	-0.0075791505	0.2432803281	-1.269637e-02
## Complexity_vdif.W.PET	0.0830900335	0.1734571999	7.660163e-02
## Strength_vdif.W.PET	0.2442828099	0.2471119156	2.430064e-01
## SRE_align.W.PET	0.6747160812	0.9921694188	6.641926e-01
## LRE_align.W.PET	0.5971085789	0.8666004057	5.882633e-01
## GLNU_align.W.PET	0.0056611356	0.2727770521	-5.066932e-03
## RLNU_align.W.PET	0.0103461855	0.2403225399	1.583116e-03
## RP_align.W.PET	0.6715213023	0.9879408461	6.610967e-01
## LGRE_align.W.PET	0.4960697401	0.4879712626	4.947574e-01
## HGRE_align.W.PET	0.0899117053	0.2687891410	8.375721e-02
## LGSRE_align.W.PET	0.5330558423	0.5232193514	5.313962e-01
## HGSRE_align.W.PET	0.0876246797	0.2645046036	8.162293e-02
## LGHRE_align.W.PET	0.3307758342	0.3282315476	3.303253e-01
## HGLRE_align.W.PET	0.0987185266	0.2857273972	9.193387e-02
## GLNU_norm_align.W.PET	0.6040897009	0.5000601010	6.050275e-01
## RLNU_norm_align.W.PET	0.6557301546	0.9691830764	6.453486e-01
## GLVAR_align.W.PET	0.1186671835	0.2666870570	1.120158e-01
## RLVAR_align.W.PET	0.3862363524	0.3507931361	3.836188e-01
## Entropy_align.W.PET	0.5377811449	0.9072544734	5.251391e-01
## SZSE.W.PET	0.6466299020	0.9417086551	6.361534e-01
## LZSE.W.PET	0.1086981174	0.1285017394	1.078997e-01
## LGLZE.W.PET	0.5241120466	0.5118553111	5.223273e-01
## HGLZE.W.PET	0.0923408354	0.2722828052	8.615892e-02
## SZLGE.W.PET	0.6186057865	0.5832560488	6.158550e-01
## SZHGE.W.PET	0.0868571251	0.2601161561	8.110663e-02
## LZLGE.W.PET	0.0023296475	-0.0000942667	2.508652e-03
## LZHGE.W.PET	0.1321626358	0.3063959555	1.244014e-01
## GLNU_area.W.PET	0.0109631887	0.2826036124	3.870259e-04
## ZSNU.W.PET	0.0088843956	0.2281856850	9.869932e-04
## ZSP.W.PET	0.5816143560	0.8724030246	5.716438e-01

## GLNU_norm.W.PET	0.6262715132	0.5194886562	6.273749e-01
## ZSNU_norm.W.PET	0.5847519483	0.8677741560	5.750528e-01
## GLVAR_area.W.PET	0.1239658579	0.2703469634	1.172626e-01
## ZSVAR.W.PET	0.0528446209	0.0398636849	5.229233e-02
## Entropy_area.W.PET	0.5676492770	0.9442306037	5.544324e-01
## Min_hist.ADC	0.2644851492	0.3421141989	2.716081e-01
## Max_hist.ADC	0.5580153843	0.8778639890	5.404729e-01
## Mean_hist.ADC	0.5648123857	0.8696986201	5.545214e-01
## Variance_hist.ADC	0.3476833586	0.4392023859	3.348040e-01
## Standard_Deviation_hist.ADC	0.5044302198	0.7184906860	4.908683e-01
## Skewness_hist.ADC	0.1724785855	0.2284104604	1.698794e-01
## Kurtosis_hist.ADC	0.1732002245	0.2713204890	1.634536e-01
## Energy_hist.ADC	0.9510001185	0.4137241719	9.554448e-01
## Entropy_hist.ADC	0.6045081088	0.9484648204	5.888361e-01
## AUC_hist.ADC	0.6823794811	0.9730032510	6.711771e-01
## Volume.ADC	-0.0336284511	0.3287500736	-4.403398e-02
## X3D_surface.ADC	0.1942984589	0.4215376677	1.742082e-01
## ratio_3ds_vol.ADC	0.5834938193	0.6537663210	5.926356e-01
## ratio_3ds_vol_norm.ADC	0.5837143790	0.9397150467	5.725524e-01
## irregularity.ADC	0.6698668727	0.9619553954	6.645094e-01
## Compactness_v1.ADC	0.9805038917	0.6588963666	9.797947e-01
##	HGSRE_align.H.ADC	LGHRE_align.H.ADC	
## Failure	0.008329795	0.0084533130	
## Entropy_cooc.W.ADC	0.016613634	0.0267315923	
## GLNU_align.H.PET	-0.052950773	0.0481402305	
## Min_hist.PET	0.533775322	0.3001573869	
## Max_hist.PET	0.547558718	0.3290585558	
## Mean_hist.PET	0.534626185	0.3023487236	
## Variance_hist.PET	0.265784858	0.1578946137	
## Standard_Deviation_hist.PET	0.540785758	0.3428142428	
## Skewness_hist.PET	0.528882930	0.4348081974	
## Kurtosis_hist.PET	0.141901952	0.1962142581	
## Energy_hist.PET	0.406437100	0.8986353537	
## Entropy_hist.PET	0.871228758	0.5445941389	
## AUC_hist.PET	0.990633554	0.7506890891	
## H_suv.PET	0.561112091	0.4281598171	
## Volume.PET	0.335791108	0.0225849781	
## X3D_surface.PET	0.214030402	0.1954529361	
## ratio_3ds_vol.PET	0.557838803	0.6746591682	
## ratio_3ds_vol_norm.PET	0.562151921	0.7173434506	
## irregularity.PET	0.967316693	0.7047024290	
## tumor_length.PET	0.592879117	0.5137557451	
## Compactness_v1.PET	0.517566869	0.9070234878	
## Compactness_v2.PET	0.250307359	-0.0847923151	
## Spherical_disproportion.PET	0.562151921	0.7173434506	
## Sphericity.PET	0.257120442	-0.2058291690	
## Asphericity.PET	0.539815314	0.7079791088	
## Center_of_mass.PET	0.366104005	0.3025736800	
## Max_3D_diam.PET	0.475338701	0.0749708844	
## Major_axis_length.PET	0.513906633	0.1926391261	
## Minor_axis_length.PET	0.659615986	0.3926304105	
## Least_axis_length.PET	0.561948224	0.2645817158	
## Elongation.PET	0.851096794	0.7000429622	
## Flatness.PET	0.790347213	0.6060178238	

## Max_cooc.L.PET	0.430199939	0.9242590423
## Average_cooc.L.PET	0.818225366	0.5663926835
## Variance_cooc.L.PET	0.654287307	0.4577270436
## Entropy_cooc.L.PET	0.982846881	0.6595964205
## DAVE_cooc.L.PET	0.762970030	0.5375790639
## DVAR_cooc.L.PET	0.671263043	0.5415920521
## DENT_cooc.L.PET	0.972706181	0.6741513935
## SAVE_cooc.L.PET	0.818090484	0.5655023995
## SVAR_cooc.L.PET	0.663832787	0.4514858820
## SENT_cooc.L.PET	0.973043303	0.7364267860
## ASM_cooc.L.PET	0.399859307	0.9188312391
## Contrast_cooc.L.PET	0.550991146	0.4057799153
## Dissimilarity_cooc.L.PET	0.762970030	0.5375790639
## Inv_diff_cooc.L.PET	0.839137441	0.7436945947
## Inv_diff_norm_cooc.L.PET	0.991407181	0.7224272746
## IDM_cooc.L.PET	0.744414077	0.7530871065
## IDM_norm_cooc.L.PET	0.995798767	0.7210877094
## Inv_var_cooc.L.PET	0.748786778	0.7538987676
## Correlation_cooc.L.PET	0.653893074	0.4904990390
## Autocorrelation_cooc.L.PET	0.613045109	0.4392994759
## Tendency_cooc.L.PET	0.663832787	0.4514858820
## Shade_cooc.L.PET	0.327591491	0.1876399452
## Prominence_cooc.L.PET	0.470149053	0.3219890820
## IC1_.L.PET	-0.379665069	-0.0343034600
## IC2_.L.PET	0.898393351	0.7066574224
## Coarseness_vdif_.L.PET	0.448212405	0.8510322027
## Contrast_vdif_.L.PET	0.232713742	0.2202321879
## Busyness_vdif_.L.PET	0.314386235	0.1163932585
## Complexity_vdif_.L.PET	0.715561804	0.5727283635
## Strength_vdif_.L.PET	0.295292341	0.2925426158
## SRE_align.L.PET	0.997755262	0.7242198238
## LRE_align.L.PET	0.989761767	0.7101594344
## GLNU_align.L.PET	0.258312676	0.0989953617
## RLNU_align.L.PET	0.235577093	0.0468757055
## RP_align.L.PET	0.997624020	0.7239694098
## LGRE_align.L.PET	0.607401127	0.7389855018
## HGRE_align.L.PET	0.633945654	0.4562974550
## LGSRE_align.L.PET	0.611879490	0.7487138428
## HGSRE_align.L.PET	0.632383908	0.4562110764
## LGHRE_align.L.PET	0.586251426	0.6978007979
## HGLRE_align.L.PET	0.638394614	0.4550894743
## GLNU_norm_align.L.PET	0.646614326	0.9355716998
## RLNU_norm_align.L.PET	0.996358698	0.7234057933
## GLVAR_align.L.PET	0.681453015	0.4788317257
## RLVAR_align.L.PET	0.610699905	0.8759072685
## Entropy_align.L.PET	0.987043307	0.6695196994
## SZSE.L.PET	0.975064299	0.7208538706
## LZSE.L.PET	0.691412097	0.4703370636
## LGLZE.L.PET	0.618815980	0.7539906567
## HGLZE.L.PET	0.643528141	0.4618120072
## SZLGE.L.PET	0.627008416	0.7817660756
## SZHGE.L.PET	0.637890194	0.4659679400
## LZLGE.L.PET	0.491974405	0.5547411005
## LZHGE.L.PET	0.528512627	0.3511942634

## GLNU_area.L.PET	0.260171445	0.0943148086
## ZSNU.L.PET	0.237317068	0.0399992234
## ZSP.L.PET	0.982082072	0.7197259745
## GLNU_norm.L.PET	0.646708392	0.9387166692
## ZSNU_norm.L.PET	0.984276719	0.7187590882
## GLVAR_area.L.PET	0.692230272	0.4891845802
## ZSVAR.L.PET	0.437056101	0.4381008327
## Entropy_area.L.PET	0.987319664	0.6695026554
## Max_cooc.H.PET	0.301523540	0.3959659612
## Average_cooc.H.PET	0.974923108	0.6853668723
## Variance_cooc.H.PET	0.858619987	0.5745618821
## Entropy_cooc.H.PET	0.842513109	0.5260088499
## DAVE_cooc.H.PET	0.881281110	0.6015409958
## DVAR_cooc.H.PET	0.856371826	0.6000087973
## DENT_cooc.H.PET	0.775808082	0.4644193202
## SAVE_cooc.H.PET	0.981453980	0.6786114837
## SVAR_cooc.H.PET	0.841491231	0.5773426677
## SENT_cooc.H.PET	0.676581496	0.7223020756
## ASM_cooc.H.PET	0.281886801	0.4594901471
## Contrast_cooc.H.PET	0.786804254	0.5402467395
## Dissimilarity_cooc.H.PET	0.881281110	0.6015409958
## Inv_diff_cooc.H.PET	0.668600848	0.5865533729
## Inv_diff_norm_cooc.H.PET	0.993608975	0.7281876111
## IDM_cooc.H.PET	0.563975123	0.5236049646
## IDM_norm_cooc.H.PET	0.996742894	0.7242442232
## Inv_var_cooc_.H.PET	0.559452901	0.9076540909
## Correlation_cooc.H.PET	0.661230486	0.4952881462
## Autocorrelation_cooc.H.PET	0.917522052	0.6565670607
## Tendency_cooc.H.PET	0.820631958	0.5416179163
## Shade_cooc.H.PET	-0.417753543	-0.2816019843
## Prominence_cooc.H.PET	0.605367956	0.3806162695
## IC1_d.H.PET	-0.133691991	0.2561256296
## IC2_d.H.PET	0.777705995	0.5728276013
## Coarseness_vdif.H.PET	0.394161448	0.9087904157
## Contrast_vdif.H.PET	0.291671873	0.2774332183
## Busyness_vdif.H.PET	0.139278276	-0.2481433769
## Complexity_vdif.H.PET	0.644366033	0.7483063347
## Strength_vdif.H.PET	0.024488420	0.0634730661
## SRE_align.H.PET	0.971790301	0.7020288768
## LRE_align.H.PET	0.639234422	0.4645678896
## RLNU_align.H.PET	0.234622689	0.0573785711
## RP_align.H.PET	0.960045973	0.6941391396
## LGRE_align.H.PET	0.417714534	0.9234713916
## HGRE_align.H.PET	0.922585405	0.6537891728
## LGSRE_align.H.PET	0.415242199	0.9226703875
## HGSRE_align.H.PET	0.967603335	0.6753222705
## LGHRE_align.H.PET	0.430954382	0.9276586780
## HGLRE_align.H.PET	0.439397870	0.3336374987
## GLNU_norm_align.H.PET	0.507101002	0.5053316630
## RLNU_norm_align.H.PET	0.909868485	0.6573768368
## GLVAR_align.H.PET	0.825325427	0.5486269789
## RLVAR_align.H.PET	0.281445975	0.2556511886
## Entropy_align.H.PET	0.902905006	0.5958654965
## SZSE.H.PET	0.853933365	0.6221158312

## LZSE.H.PET	-0.056668620	-0.0693493728
## LGLZE.H.PET	0.418511684	0.9224481673
## HGLZE.H.PET	0.868978219	0.5996922417
## SZLGE.H.PET	0.411955250	0.9205201563
## SZHGE.H.PET	0.831877500	0.5698709459
## LZLGE.H.PET	0.001513025	0.0537840671
## LZHGE.H.PET	-0.048208590	-0.0369483514
## GLNU_area.H.PET	0.272357517	0.0585748239
## ZSNU.H.PET	0.205329443	0.0377695675
## ZSP.H.PET	0.672357423	0.4707773658
## GLNU_norm.H.PET	0.520709815	0.5109371979
## ZSNU_norm.H.PET	0.723108106	0.5227606402
## GLVAR_area.H.PET	0.803984018	0.5341206315
## ZSVAR_H.PET	-0.054360400	-0.0510505882
## Entropy_area.H.PET	0.948895415	0.6436263233
## Max_cooc.W.PET	0.328673437	0.5828644711
## Average_cooc.W.PET	0.531703846	0.3164728414
## Variance_cooc.W.PET	0.265116206	0.1625060033
## Entropy_cooc.W.PET	0.860954209	0.5587620119
## DAVE_cooc.W.PET	0.556793721	0.3415103596
## DVAR_cooc.W.PET	0.300144012	0.1654266643
## DENT_cooc.W.PET	0.844767838	0.5609167310
## SAVE_cooc.W.PET	0.531030867	0.3146669165
## SVAR_cooc.W.PET	0.238739905	0.1561348398
## SENT_cooc.W.PET	0.893985321	0.6609148763
## ASM_cooc.W.PET	0.354994296	0.7348627050
## Contrast_cooc.W.PET	0.310015603	0.1635225246
## Dissimilarity_cooc.W.PET	0.556793721	0.3415103596
## Inv_diff_cooc.W.PET	0.748605742	0.6302564960
## Inv_diff_norm_cooc.W.PET	0.991733929	0.7236130510
## IDM_cooc.W.PET	0.614463277	0.5512314686
## IDM_norm_cooc.W.PET	0.995927060	0.7217549152
## Inv_var_cooc.W.PET	0.683708085	0.6053581103
## Correlation_cooc.W.PET	0.653185666	0.4896242059
## Autocorrelation_cooc.W.PET	0.264732256	0.1338760708
## Tendency_cooc.W.PET	0.238739905	0.1561348398
## Shade_cooc.W.PET	0.043843697	0.0761781392
## Prominence_cooc.W.PET	0.013543725	0.0421678490
## IC1_d.W.PET	-0.156062921	0.3026312961
## IC2_d.W.PET	0.844231459	0.6320547727
## Coarseness_vdif.W.PET	0.421868921	0.7777551229
## Contrast_vdif.W.PET	0.484844134	0.3908086623
## Busyness_vdif.W.PET	0.242110083	0.0154624036
## Complexity_vdif.W.PET	0.172428009	0.1171194779
## Strength_vdif.W.PET	0.247307688	0.2388943584
## SRE_align.W.PET	0.991719398	0.7173501909
## LRE_align.W.PET	0.866931178	0.6296546520
## GLNU_align.W.PET	0.266936177	0.0562845756
## RLNU_align.W.PET	0.235351531	0.0556954376
## RP_align.W.PET	0.987500528	0.7138484762
## LGRE_align.W.PET	0.489930052	0.4876202820
## HGRE_align.W.PET	0.267825072	0.1282818467
## LGSRE_align.W.PET	0.525087111	0.5257377597
## HGSRE_align.W.PET	0.263590580	0.1250383418

## LGHRE_align.W.PET	0.330255254	0.3215791322
## HGLRE_align.W.PET	0.284571802	0.1409442011
## GLNU_norm_align.W.PET	0.502904781	0.5823741519
## RLNU_norm_align.W.PET	0.968661241	0.6986152491
## GLVAR_align.W.PET	0.265680296	0.1563531889
## RLVAR_align.W.PET	0.351714836	0.3886361036
## Entropy_align.W.PET	0.905433022	0.5968551559
## SZSE.W.PET	0.940469352	0.6911241315
## LZSE.W.PET	0.130398533	0.1078235010
## LGLZE.W.PET	0.513695799	0.5175503786
## HGLZE.W.PET	0.271342428	0.1301383939
## SZLGE.W.PET	0.584515461	0.6164769273
## SZHGE.W.PET	0.259266270	0.1217154663
## LZLGE.W.PET	0.001362457	-0.0001805273
## LZHGE.W.PET	0.305840441	0.1786584621
## GLNU_area.W.PET	0.276570342	0.0617839381
## ZSNU.W.PET	0.223488430	0.0503393269
## ZSP.W.PET	0.870858145	0.6253688626
## GLNU_norm.W.PET	0.522460998	0.6033130857
## ZSNU_norm.W.PET	0.866473747	0.6271463705
## GLVAR_area.W.PET	0.269351782	0.1614147122
## ZSVAR.W.PET	0.041238180	0.0524000522
## Entropy_area.W.PET	0.942534054	0.6279241711
## Min_hist.ADC	0.350749964	0.2196093417
## Max_hist.ADC	0.871111773	0.6423348419
## Mean_hist.ADC	0.869031168	0.6072716546
## Variance_hist.ADC	0.429866708	0.4050578337
## Standard_Deviation_hist.ADC	0.711245855	0.5628011914
## Skewness_hist.ADC	0.229113880	0.1847832811
## Kurtosis_hist.ADC	0.270244356	0.2355125584
## Energy_hist.ADC	0.416819875	0.9083807386
## Entropy_hist.ADC	0.943446473	0.6763990712
## AUC_hist.ADC	0.971592062	0.7288210552
## Volume.ADC	0.322992420	0.0154284088
## X3D_surface.ADC	0.408105861	0.3080612960
## ratio_3ds_vol.ADC	0.665018747	0.5166872287
## ratio_3ds_vol_norm.ADC	0.937532840	0.6286552102
## irregularity.ADC	0.965736689	0.6821500881
## Compactness_v1.ADC	0.660935583	0.9657505572
##	HGLRE_align.H.ADC	GLNU_norm_align.H.ADC
## Failure	-0.015583087	0.04763688
## Entropy_cooc.W.ADC	0.052185770	-0.01706220
## GLNU_align.H.PET	-0.029858018	0.03616783
## Min_hist.PET	0.540535405	0.20761378
## Max_hist.PET	0.560908502	0.22483107
## Mean_hist.PET	0.541508756	0.20481278
## Variance_hist.PET	0.270620455	0.08878781
## Standard_Deviation_hist.PET	0.548672943	0.24287044
## Skewness_hist.PET	0.541544585	0.37649317
## Kurtosis_hist.PET	0.164327298	0.16280186
## Energy_hist.PET	0.390813171	0.96526974
## Entropy_hist.PET	0.885575996	0.43323784
## AUC_hist.PET	0.990013943	0.64773012
## H_suv.PET	0.567843238	0.33783474

## Volume.PET	0.364117018	-0.06976017
## X3D_surface.PET	0.238363496	0.14105059
## ratio_3ds_vol.PET	0.536235948	0.68488437
## ratio_3ds_vol_norm.PET	0.564751678	0.68705985
## irregularity.PET	0.958546586	0.61065509
## tumor_length.PET	0.614735813	0.41266936
## Compactness_v1.PET	0.510428005	0.93036152
## Compactness_v2.PET	0.258069935	-0.18414258
## Spherical_disproportion.PET	0.564751678	0.68705985
## Sphericity.PET	0.266884704	-0.31369064
## Asphericity.PET	0.542538758	0.68089506
## Center_of_mass.PET	0.385035653	0.22564041
## Max_3D_diam.PET	0.496133937	-0.04657690
## Major_axis_length.PET	0.532294008	0.08399558
## Minor_axis_length.PET	0.686646334	0.26425466
## Least_axis_length.PET	0.590447758	0.13500534
## Elongation.PET	0.849763144	0.61621254
## Flatness.PET	0.794598577	0.51001586
## Max_cooc.L.PET	0.419169775	0.98109326
## Average_cooc.L.PET	0.796868736	0.48865123
## Variance_cooc.L.PET	0.624992567	0.41968211
## Entropy_cooc.L.PET	0.980472389	0.53829151
## DAVE_cooc.L.PET	0.738619878	0.48061410
## DVAR_cooc.L.PET	0.647875919	0.49449329
## DENT_cooc.L.PET	0.962805639	0.57097271
## SAVE_cooc.L.PET	0.796738107	0.48765065
## SVAR_cooc.L.PET	0.636776768	0.40665397
## SENT_cooc.L.PET	0.963987616	0.64592590
## ASM_cooc.L.PET	0.389601059	0.97969356
## Contrast_cooc.L.PET	0.522085056	0.38361202
## Dissimilarity_cooc.L.PET	0.738619878	0.48061410
## Inv_diff_cooc.L.PET	0.851110419	0.65432368
## Inv_diff_norm_cooc.L.PET	0.992072644	0.61043746
## IDM_cooc.L.PET	0.757996132	0.68374693
## IDM_norm_cooc.L.PET	0.994922379	0.60976089
## Inv_var_cooc.L.PET	0.764080854	0.68242499
## Correlation_cooc.L.PET	0.663148999	0.40988035
## Autocorrelation_cooc.L.PET	0.585849737	0.39291133
## Tendency_cooc.L.PET	0.636776768	0.40665397
## Shade_cooc.L.PET	0.322201393	0.16613300
## Prominence_cooc.L.PET	0.443463693	0.30895578
## IC1_.L.PET	-0.344771948	-0.02478127
## IC2_.L.PET	0.876454004	0.65052188
## Coarseness_vdif_.L.PET	0.423781705	0.91747796
## Contrast_vdif_.L.PET	0.208868464	0.23926496
## Busyness_vdif_.L.PET	0.347752791	0.02558094
## Complexity_vdif_.L.PET	0.695233434	0.52800381
## Strength_vdif_.L.PET	0.268847677	0.32681600
## SRE_align.L.PET	0.994105303	0.61660420
## LRE_align.L.PET	0.989496445	0.59779071
## GLNU_align.L.PET	0.287904186	0.02268094
## RLNU_align.L.PET	0.262201180	-0.03120710
## RP_align.L.PET	0.993653899	0.61676891
## LGRE_align.L.PET	0.610752775	0.71763037

## HGRE_align.L.PET	0.606599915	0.40813362
## LGSRE_align.L.PET	0.614893428	0.72804657
## HGSRE_align.L.PET	0.604795839	0.40899379
## LGHRE_align.L.PET	0.590816498	0.67416687
## HGLRE_align.L.PET	0.612127001	0.40312472
## GLNU_norm_align.L.PET	0.642911472	0.94070185
## RLNU_norm_align.L.PET	0.991296496	0.61787739
## GLVAR_align.L.PET	0.653729622	0.43112418
## RLVAR_align.L.PET	0.616009032	0.86371757
## Entropy_align.L.PET	0.983443403	0.55189183
## SZSE.L.PET	0.972120868	0.61683169
## LZSE.L.PET	0.691670913	0.38706046
## LGLZE.L.PET	0.621767250	0.73129915
## HGLZE.L.PET	0.616324242	0.41206520
## SZLGE.L.PET	0.629003376	0.76136134
## SZHGE.L.PET	0.611946260	0.41725554
## LZLGE.L.PET	0.499724752	0.52895725
## LZHGE.L.PET	0.503198898	0.30733090
## GLNU_area.L.PET	0.289989618	0.01696646
## ZSNU.L.PET	0.263966673	-0.03967841
## ZSP.L.PET	0.977497788	0.61620285
## GLNU_norm.L.PET	0.642909284	0.94410636
## ZSNU_norm.L.PET	0.977415470	0.61771144
## GLVAR_area.L.PET	0.664217092	0.44030751
## ZSVAR.L.PET	0.449071996	0.38896649
## Entropy_area.L.PET	0.985382125	0.54960379
## Max_cooc.H.PET	0.284126748	0.42413003
## Average_cooc.H.PET	0.968016359	0.58502157
## Variance_cooc.H.PET	0.859951582	0.46317127
## Entropy_cooc.H.PET	0.838976515	0.41569800
## DAVE_cooc.H.PET	0.877546110	0.49753754
## DVAR_cooc.H.PET	0.851208321	0.50279917
## DENT_cooc.H.PET	0.790567564	0.34250759
## SAVE_cooc.H.PET	0.978516169	0.56989015
## SVAR_cooc.H.PET	0.853639497	0.46744077
## SENT_cooc.H.PET	0.675071447	0.67246333
## ASM_cooc.H.PET	0.262599099	0.50364788
## Contrast_cooc.H.PET	0.780381456	0.45141833
## Dissimilarity_cooc.H.PET	0.877546110	0.49753754
## Inv_diff_cooc.H.PET	0.658118570	0.55206283
## Inv_diff_norm_cooc.H.PET	0.990665865	0.62194555
## IDM_cooc.H.PET	0.552158207	0.50654233
## IDM_norm_cooc.H.PET	0.994109733	0.61582382
## Inv_var_cooc_.H.PET	0.556157835	0.91372399
## Correlation_cooc.H.PET	0.669991920	0.41218130
## Autocorrelation_cooc.H.PET	0.907746152	0.57122204
## Tendency_cooc.H.PET	0.826034960	0.42798332
## Shade_cooc.H.PET	-0.409836547	-0.24048217
## Prominence_cooc.H.PET	0.613586419	0.28172974
## IC1_d.H.PET	-0.136696255	0.31199022
## IC2_d.H.PET	0.782901470	0.48230692
## Coarseness_vdif.H.PET	0.380983654	0.97468301
## Contrast_vdif.H.PET	0.267616539	0.29905219
## Busyness_vdif.H.PET	0.164752168	-0.32856932

## Complexity_vdif.H.PET	0.629487890	0.73432790
## Strength_vdif.H.PET	0.006232343	0.10673995
## SRE_align.H.PET	0.970575032	0.58960570
## LRE_align.H.PET	0.632187934	0.41419283
## RLNU_align.H.PET	0.260218883	-0.02097024
## RP_align.H.PET	0.958451830	0.58261398
## LGRE_align.H.PET	0.407280283	0.97917634
## HGRE_align.H.PET	0.913389115	0.56744477
## LGSRE_align.H.PET	0.404768651	0.97883846
## HGSRE_align.H.PET	0.960629734	0.57552962
## LGHRE_align.H.PET	0.420713290	0.98115225
## HGLRE_align.H.PET	0.430255004	0.30863792
## GLNU_norm_align.H.PET	0.489874077	0.50705186
## RLNU_norm_align.H.PET	0.909022292	0.54774197
## GLVAR_align.H.PET	0.828742573	0.43593939
## RLVAR_align.H.PET	0.277711730	0.24726715
## Entropy_align.H.PET	0.909546078	0.46708679
## SZSE.H.PET	0.860945195	0.50944670
## LZSE.H.PET	-0.054438313	-0.06895844
## LGLZE.H.PET	0.408041249	0.97773075
## HGLZE.H.PET	0.871921932	0.49969619
## SZLGE.H.PET	0.401504743	0.97708924
## SZHGE.H.PET	0.838108983	0.45885794
## LZLGE.H.PET	0.002111739	0.06444749
## LZHGE.H.PET	-0.050383055	-0.02948725
## GLNU_area.H.PET	0.302800316	-0.02699608
## ZSNU.H.PET	0.227511476	-0.03357973
## ZSP.H.PET	0.678921917	0.37210565
## GLNU_norm.H.PET	0.501158360	0.51502675
## ZSNU_norm.H.PET	0.730175325	0.42292880
## GLVAR_area.H.PET	0.808297161	0.42141205
## ZSVAR.H.PET	-0.053331899	-0.04764943
## Entropy_area.H.PET	0.954878816	0.51349900
## Max_cooc.W.PET	0.308898954	0.63287042
## Average_cooc.W.PET	0.537191183	0.21651906
## Variance_cooc.W.PET	0.269180287	0.09671661
## Entropy_cooc.W.PET	0.866994291	0.43197908
## DAVE_cooc.W.PET	0.558849827	0.25070958
## DVAR_cooc.W.PET	0.301068353	0.10203043
## DENT_cooc.W.PET	0.849035344	0.44091375
## SAVE_cooc.W.PET	0.536541230	0.21456098
## SVAR_cooc.W.PET	0.244633488	0.09056847
## SENT_cooc.W.PET	0.897294791	0.55147899
## ASM_cooc.W.PET	0.336256599	0.79824055
## Contrast_cooc.W.PET	0.308939865	0.10294490
## Dissimilarity_cooc.W.PET	0.558849827	0.25070958
## Inv_diff_cooc.W.PET	0.738591093	0.58445307
## Inv_diff_norm_cooc.W.PET	0.992043776	0.61224057
## IDM_cooc.W.PET	0.602615655	0.52796959
## IDM_norm_cooc.W.PET	0.994918896	0.61062083
## Inv_var_cooc.W.PET	0.673618528	0.57264034
## Correlation_cooc.W.PET	0.663156568	0.40798016
## Autocorrelation_cooc.W.PET	0.269463821	0.06119626
## Tendency_cooc.W.PET	0.244633488	0.09056847

## Shade_cooc.W.PET	0.045929530	0.04970338
## Prominence_cooc.W.PET	0.012583362	0.01847790
## IC1_d.W.PET	-0.156660179	0.36570006
## IC2_d.W.PET	0.843167803	0.54779418
## Coarseness_vdif.W.PET	0.393664924	0.84560184
## Contrast_vdif.W.PET	0.471954136	0.34745370
## Busyness_vdif.W.PET	0.247566238	-0.02456042
## Complexity_vdif.W.PET	0.177522171	0.06306293
## Strength_vdif.W.PET	0.245967101	0.22407539
## SRE_align.W.PET	0.989748012	0.60583662
## LRE_align.W.PET	0.860639628	0.54700547
## GLNU_align.W.PET	0.297113589	-0.02303611
## RLNU_align.W.PET	0.261477671	-0.02199937
## RP_align.W.PET	0.985543336	0.60221564
## LGRE_align.W.PET	0.477081578	0.48478918
## HGRE_align.W.PET	0.272602291	0.05527490
## LGSRE_align.W.PET	0.512684296	0.51952953
## HGSRE_align.W.PET	0.268117287	0.05309628
## LGHRE_align.W.PET	0.317399564	0.32942266
## HGLRE_align.W.PET	0.290296717	0.06381629
## GLNU_norm_align.W.PET	0.484691327	0.59706042
## RLNU_norm_align.W.PET	0.967360913	0.58608264
## GLVAR_align.W.PET	0.270649237	0.08680940
## RLVAR_align.W.PET	0.344026916	0.38933881
## Entropy_align.W.PET	0.911411056	0.46814093
## SZSE.W.PET	0.942942393	0.57787105
## LZSE.W.PET	0.119152573	0.11573191
## LGLZE.W.PET	0.501366497	0.51157491
## HGLZE.W.PET	0.275914930	0.05730041
## SZLGE.W.PET	0.575110906	0.60233195
## SZHGE.W.PET	0.263289625	0.05195972
## LZLGE.W.PET	-0.007072179	0.01700232
## LZHGE.W.PET	0.308710496	0.10628250
## GLNU_area.W.PET	0.307990979	-0.02239787
## ZSNU.W.PET	0.248206377	-0.02506123
## ZSP.W.PET	0.875552948	0.51209098
## GLNU_norm.W.PET	0.503491586	0.61714457
## ZSNU_norm.W.PET	0.869979018	0.51547739
## GLVAR_area.W.PET	0.274123447	0.09222594
## ZSVAR.W.PET	0.033135773	0.06488048
## Entropy_area.W.PET	0.947503588	0.49953699
## Min_hist.ADC	0.300808756	0.24908818
## Max_hist.ADC	0.904243240	0.49467461
## Mean_hist.ADC	0.867717966	0.49757946
## Variance_hist.ADC	0.478252746	0.32676930
## Standard_Deviation_hist.ADC	0.746896936	0.45961857
## Skewness_hist.ADC	0.228985642	0.16219193
## Kurtosis_hist.ADC	0.280426811	0.15200451
## Energy_hist.ADC	0.398159655	0.97940043
## Entropy_hist.ADC	0.966162932	0.53035584
## AUC_hist.ADC	0.975885119	0.61458495
## Volume.ADC	0.352502789	-0.07794289
## X3D_surface.ADC	0.482608646	0.16405009
## ratio_3ds_vol.ADC	0.600919031	0.56535314

## ratio_3ds_vol_norm.ADC	0.946048327	0.51230866
## irregularity.ADC	0.940170390	0.61207908
## Compactness_v1.ADC	0.646377124	0.97934262
##	RLNU_norm_align.H.ADC	GLVAR_align.H.ADC
## Failure	0.011573265	0.0017784869
## Entropy_cooc.W.ADC	0.011906632	0.0236460344
## GLNU_align.H.PET	-0.052932713	-0.0499676023
## Min_hist.PET	0.528536709	0.5369469445
## Max_hist.PET	0.540311164	0.5505613084
## Mean_hist.PET	0.528236211	0.5373014395
## Variance_hist.PET	0.261051669	0.2667563277
## Standard_Deviation_hist.PET	0.535130278	0.5425389247
## Skewness_hist.PET	0.531569982	0.5306067456
## Kurtosis_hist.PET	0.142266536	0.1437097333
## Energy_hist.PET	0.459049892	0.4042109917
## Entropy_hist.PET	0.863137859	0.8745625150
## AUC_hist.PET	0.993928758	0.9910678234
## H_suv.PET	0.561370405	0.5626294965
## Volume.PET	0.312435164	0.3408306197
## X3D_surface.PET	0.212967987	0.2190923702
## ratio_3ds_vol.PET	0.586398454	0.5561440411
## ratio_3ds_vol_norm.PET	0.585695673	0.5615642054
## irregularity.PET	0.970852177	0.9673015915
## tumor_length.PET	0.592149728	0.5949217615
## Compactness_v1.PET	0.560240832	0.5152864610
## Compactness_v2.PET	0.223752342	0.2502275605
## Spherical_disproportion.PET	0.585695673	0.5615642054
## Sphericity.PET	0.222198104	0.2585361477
## Asphericity.PET	0.563856753	0.5392052667
## Center_of_mass.PET	0.363016661	0.3687046310
## Max_3D_diam.PET	0.449857202	0.4788169866
## Major_axis_length.PET	0.496451170	0.5169490138
## Minor_axis_length.PET	0.645929262	0.6632180872
## Least_axis_length.PET	0.543592289	0.5661182282
## Elongation.PET	0.857513199	0.8518516062
## Flatness.PET	0.791570532	0.7918671153
## Max_cooc.L.PET	0.481293781	0.4277008958
## Average_cooc.L.PET	0.819644000	0.8157987231
## Variance_cooc.L.PET	0.659944789	0.6509975503
## Entropy_cooc.L.PET	0.978180455	0.9825889423
## DAVE_cooc.L.PET	0.767990067	0.7611747153
## DVAR_cooc.L.PET	0.679946358	0.6694301765
## DENT_cooc.L.PET	0.972696796	0.9722329930
## SAVE_cooc.L.PET	0.819444937	0.8156659533
## SVAR_cooc.L.PET	0.667223903	0.6599610938
## SENT_cooc.L.PET	0.978523148	0.9726101388
## ASM_cooc.L.PET	0.452025260	0.3974619746
## Contrast_cooc.L.PET	0.559470565	0.5490689393
## Dissimilarity_cooc.L.PET	0.767990067	0.7611747153
## Inv_diff_cooc.L.PET	0.847103291	0.8405590183
## Inv_diff_norm_cooc.L.PET	0.991716672	0.9919432401
## IDM_cooc.L.PET	0.758035857	0.7458081725
## IDM_norm_cooc.L.PET	0.996090709	0.9961722716
## Inv_var_cooc.L.PET	0.761725185	0.7502619010

## Correlation_cooc.L.PET	0.652522298	0.6536553654
## Autocorrelation_cooc.L.PET	0.616437092	0.6091830732
## Tendency_cooc.L.PET	0.667223903	0.6599610938
## Shade_cooc.L.PET	0.328336814	0.3265180918
## Prominence_cooc.L.PET	0.475446120	0.4660024879
## IC1_.L.PET	-0.373955082	-0.3782905475
## IC2_.L.PET	0.909762130	0.8965049230
## Coarseness_vdif_.L.PET	0.497383960	0.4453172431
## Contrast_vdif_.L.PET	0.247060141	0.2336854207
## Busyness_vdif_.L.PET	0.299958096	0.3207739656
## Complexity_vdif_.L.PET	0.726582556	0.7151781839
## Strength_vdif_.L.PET	0.313780750	0.2952966176
## SRE_align.L.PET	0.998877479	0.9978728976
## LRE_align.L.PET	0.989502937	0.9902922927
## GLNU_align.L.PET	0.246276584	0.2639669690
## RLNU_align.L.PET	0.221909455	0.2412857495
## RP_align.L.PET	0.998834309	0.9977147587
## LGRE_align.L.PET	0.631907788	0.6074423470
## HGRE_align.L.PET	0.638226802	0.6306767700
## LGSRE_align.L.PET	0.636998030	0.6118708912
## HGSRE_align.L.PET	0.636835516	0.6291037461
## LGHRE_align.L.PET	0.608293528	0.5864578114
## HGLRE_align.L.PET	0.641963807	0.6351823237
## GLNU_norm_align.L.PET	0.685246262	0.6459241418
## RLNU_norm_align.L.PET	0.997903038	0.9963375693
## GLVAR_align.L.PET	0.685896277	0.6779945143
## RLVAR_align.L.PET	0.643270719	0.6103850416
## Entropy_align.L.PET	0.983574022	0.9867745602
## SZSE.L.PET	0.976680000	0.9751289276
## LZSE.L.PET	0.690100439	0.6920267706
## LGLZE.L.PET	0.643680647	0.6188904289
## HGLZE.L.PET	0.647789708	0.6404347050
## SZLGE.L.PET	0.653574034	0.6269804993
## SZHGE.L.PET	0.642454908	0.6350235554
## LZLGE.L.PET	0.507264018	0.4923051027
## LZHGE.L.PET	0.531095100	0.5254090370
## GLNU_area.L.PET	0.247682930	0.2659527981
## ZSNU.L.PET	0.222894897	0.2430629620
## ZSP.L.PET	0.983825168	0.9820914514
## GLNU_norm.L.PET	0.685533990	0.6460020434
## ZSNU_norm.L.PET	0.986742478	0.9841389689
## GLVAR_area.L.PET	0.696867481	0.6887795045
## ZSVAR.L.PET	0.443495838	0.4377660514
## Entropy_area.L.PET	0.983385034	0.9871849962
## Max_cooc.H.PET	0.319421998	0.2984600510
## Average_cooc.H.PET	0.974707819	0.9743397830
## Variance_cooc.H.PET	0.855278964	0.8601126163
## Entropy_cooc.H.PET	0.836295278	0.8422910604
## DAVE_cooc.H.PET	0.879945706	0.8823723137
## DVAR_cooc.H.PET	0.856700161	0.8574514765
## DENT_cooc.H.PET	0.763761197	0.7787149448
## SAVE_cooc.H.PET	0.979138784	0.9811643283
## SVAR_cooc.H.PET	0.837827514	0.8443921809
## SENT_cooc.H.PET	0.696297419	0.6768892821

## ASM_cooc.H.PET	0.306100353	0.2779866648
## Contrast_cooc.H.PET	0.786815797	0.7877647778
## Dissimilarity_cooc.H.PET	0.879945706	0.8823723137
## Inv_diff_cooc.H.PET	0.678653896	0.6664814189
## Inv_diff_norm_cooc.H.PET	0.995028872	0.9936163186
## IDM_cooc.H.PET	0.575291288	0.5615504219
## IDM_norm_cooc.H.PET	0.997640026	0.9968784781
## Inv_var_cooc_.H.PET	0.600088340	0.5582049830
## Correlation_cooc.H.PET	0.660032450	0.6612638922
## Autocorrelation_cooc.H.PET	0.918669684	0.9161708437
## Tendency_cooc.H.PET	0.815770425	0.8222790336
## Shade_cooc.H.PET	-0.416351735	-0.4173492204
## Prominence_cooc.H.PET	0.599112234	0.6075488717
## IC1_d.H.PET	-0.106022402	-0.1334880154
## IC2_d.H.PET	0.778393109	0.7781237219
## Coarseness_vdif.H.PET	0.446942838	0.3915080894
## Contrast_vdif.H.PET	0.303610496	0.2898542951
## Busyness_vdif.H.PET	0.109928458	0.1448226780
## Complexity_vdif.H.PET	0.671456871	0.6435123657
## Strength_vdif.H.PET	0.033894410	0.0214617594
## SRE_align.H.PET	0.972343774	0.9725858086
## LRE_align.H.PET	0.639748223	0.6369584636
## RLNU_align.H.PET	0.221731544	0.2402315223
## RP_align.H.PET	0.960826682	0.9609009341
## LGRE_align.H.PET	0.469176250	0.4153423896
## HGRE_align.H.PET	0.923862435	0.9218248442
## LGSRE_align.H.PET	0.466786342	0.4128566490
## HGSRE_align.H.PET	0.968104739	0.9678423953
## LGHRE_align.H.PET	0.481967163	0.4286299142
## HGLRE_align.H.PET	0.441095904	0.4364783420
## GLNU_norm_align.H.PET	0.521762463	0.5042533554
## RLNU_norm_align.H.PET	0.910568077	0.9109750362
## GLVAR_align.H.PET	0.820997071	0.8267910675
## RLVAR_align.H.PET	0.284479631	0.2788390776
## Entropy_align.H.PET	0.896588022	0.9042029152
## SZSE.H.PET	0.853491161	0.8560971213
## LZSE.H.PET	-0.062061389	-0.0584299843
## LGLZE.H.PET	0.469852418	0.4161379350
## HGLZE.H.PET	0.865205307	0.8694316268
## SZLGE.H.PET	0.463513099	0.4095706185
## SZHGE.H.PET	0.829800046	0.8349380857
## LZLGE.H.PET	0.002951823	-0.0008078597
## LZHGE.H.PET	-0.050651790	-0.0509531551
## GLNU_area.H.PET	0.256659754	0.2786327932
## ZSNU.H.PET	0.193289890	0.2106574707
## ZSP.H.PET	0.670710472	0.6748270839
## GLNU_norm.H.PET	0.535569318	0.5174476834
## ZSNU_norm.H.PET	0.723429960	0.7257953083
## GLVAR_area.H.PET	0.799224665	0.8054050845
## ZSVAR_H.PET	-0.058382455	-0.0565454347
## Entropy_area.H.PET	0.943038615	0.9496717042
## Max_cooc.W.PET	0.360390827	0.3248961471
## Average_cooc.W.PET	0.524571749	0.5331082103
## Variance_cooc.W.PET	0.261194678	0.2660828920

## Entropy_cooc.W.PET	0.854440299	0.8625957426
## DAVE_cooc.W.PET	0.552080230	0.5581960338
## DVAR_cooc.W.PET	0.295988500	0.3009860670
## DENT_cooc.W.PET	0.840230071	0.8464483275
## SAVE_cooc.W.PET	0.523789215	0.5324407354
## SVAR_cooc.W.PET	0.235019034	0.2397705808
## SENT_cooc.W.PET	0.895407152	0.8954238350
## ASM_cooc.W.PET	0.396911236	0.3509901058
## Contrast_cooc.W.PET	0.305852594	0.3107315978
## Dissimilarity_cooc.W.PET	0.552080230	0.5581960338
## Inv_diff_cooc.W.PET	0.757531307	0.7468404888
## Inv_diff_norm_cooc.W.PET	0.992209723	0.9922302534
## IDM_cooc.W.PET	0.625131442	0.6121668586
## IDM_norm_cooc.W.PET	0.996306302	0.9963008638
## Inv_var_cooc.W.PET	0.694510488	0.6819030895
## Correlation_cooc.W.PET	0.651676285	0.6530362457
## Autocorrelation_cooc.W.PET	0.258175794	0.2657436144
## Tendency_cooc.W.PET	0.235019034	0.2397705808
## Shade_cooc.W.PET	0.044309353	0.0434518235
## Prominence_cooc.W.PET	0.013028949	0.0125742676
## IC1_d.W.PET	-0.125306403	-0.1561336445
## IC2_d.W.PET	0.848201222	0.8441237135
## Coarseness_vdif.W.PET	0.468596642	0.4195755415
## Contrast_vdif.W.PET	0.492208764	0.4843409646
## Busyness_vdif.W.PET	0.227806883	0.2417453640
## Complexity_vdif.W.PET	0.169121456	0.1729803443
## Strength_vdif.W.PET	0.255922701	0.2483758302
## SRE_align.W.PET	0.992371954	0.9922291935
## LRE_align.W.PET	0.867896009	0.8655813237
## GLNU_align.W.PET	0.251315752	0.2723868474
## RLNU_align.W.PET	0.222339884	0.2410155466
## RP_align.W.PET	0.988207447	0.9881057966
## LGRE_align.W.PET	0.503457170	0.4873029502
## HGRE_align.W.PET	0.260883856	0.2689521847
## LGSRE_align.W.PET	0.539652567	0.5226389876
## HGSRE_align.W.PET	0.256733628	0.2647047746
## LGHRE_align.W.PET	0.338933052	0.3269849199
## HGLRE_align.W.PET	0.277295907	0.2857315649
## GLNU_norm_align.W.PET	0.524294213	0.4997707692
## RLNU_norm_align.W.PET	0.969185354	0.9694702761
## GLVAR_align.W.PET	0.260796736	0.2666646951
## RLVAR_align.W.PET	0.362199767	0.3484294593
## Entropy_align.W.PET	0.899239248	0.9068145251
## SZSE.W.PET	0.940967951	0.9418485359
## LZSE.W.PET	0.132146426	0.1266420145
## LGLZE.W.PET	0.527695028	0.5109319520
## HGLZE.W.PET	0.264451074	0.2724930331
## SZLGE.W.PET	0.601538052	0.5822448859
## SZHGE.W.PET	0.252583096	0.2604171425
## LZLGE.W.PET	0.001232570	-0.0019254797
## LZHGE.W.PET	0.300854138	0.3057483822
## GLNU_area.W.PET	0.260693020	0.2826059221
## ZSNU.W.PET	0.210914142	0.2291030977
## ZSP.W.PET	0.870273479	0.8730431248

## GLNU_norm.W.PET	0.544626319	0.5193454019	
## ZSNU_norm.W.PET	0.866845455	0.8686403095	
## GLVAR_area.W.PET	0.264680518	0.2703170105	
## ZSVAR.W.PET	0.042635316	0.0378386972	
## Entropy_area.W.PET	0.936406950	0.9433086379	
## Min_hist.ADC	0.357623982	0.3432868613	
## Max_hist.ADC	0.863851716	0.8759782638	
## Mean_hist.ADC	0.866480632	0.8700971200	
## Variance_hist.ADC	0.427843462	0.4366397592	
## Standard_Deviation_hist.ADC	0.708670227	0.7169005821	
## Skewness_hist.ADC	0.231418356	0.2256030295	
## Kurtosis_hist.ADC	0.269672690	0.2701059561	
## Energy_hist.ADC	0.469025576	0.4125928384	
## Entropy_hist.ADC	0.937748497	0.9481130138	
## AUC_hist.ADC	0.973214516	0.9726619086	
## Volume.ADC	0.299250132	0.3282993858	
## X3D_surface.ADC	0.393209983	0.4180183303	
## ratio_3ds_vol.ADC	0.685727027	0.6556030319	
## ratio_3ds_vol_norm.ADC	0.933546550	0.9403186733	
## irregularity.ADC	0.970080017	0.9620065329	
## Compactness_v1.ADC	0.702054471	0.6577773754	
##	RLVAR_align.H.ADC	Entropy_align.H.ADC	SZSE.H.ADC
## Failure	-0.045018946	-0.009756348	0.011977035
## Entropy_cooc.W.ADC	0.119477700	0.039354135	0.011088169
## GLNU_align.H.PET	0.117468926	-0.036748398	-0.051120148
## Min_hist.PET	0.274291849	0.539910551	0.530277318
## Max_hist.PET	0.321920324	0.557973173	0.541715823
## Mean_hist.PET	0.277868087	0.541144599	0.530597823
## Variance_hist.PET	0.141625702	0.271043169	0.263993001
## Standard_Deviation_hist.PET	0.321353895	0.548147273	0.537349543
## Skewness_hist.PET	0.436089223	0.535854505	0.529254313
## Kurtosis_hist.PET	0.245450915	0.154489383	0.137641310
## Energy_hist.PET	0.832504800	0.403118229	0.457272423
## Entropy_hist.PET	0.543775803	0.881274754	0.864205410
## AUC_hist.PET	0.697418206	0.992073737	0.993781364
## H_suv.PET	0.400669234	0.567583031	0.563708114
## Volume.PET	0.088032393	0.352155933	0.313148614
## X3D_surface.PET	0.233179559	0.230560427	0.213594542
## ratio_3ds_vol.PET	0.582784930	0.547338540	0.581675653
## ratio_3ds_vol_norm.PET	0.685156653	0.566124403	0.583587391
## irregularity.PET	0.628378509	0.963626035	0.969419334
## tumor_length.PET	0.530268414	0.607965540	0.592652444
## Compactness_v1.PET	0.859421893	0.519263154	0.561305190
## Compactness_v2.PET	-0.080000513	0.253361101	0.228616458
## Spherical_disproportion.PET	0.685156653	0.566124403	0.583587391
## Sphericity.PET	-0.193976533	0.260275533	0.226641254
## Asphericity.PET	0.677154189	0.543859497	0.561718746
## Center_of_mass.PET	0.320312450	0.378008703	0.362901511
## Max_3D_diam.PET	0.100084498	0.486683335	0.453073727
## Major_axis_length.PET	0.209610410	0.524357212	0.499247679
## Minor_axis_length.PET	0.423766575	0.676346542	0.647795750
## Least_axis_length.PET	0.302520181	0.579168762	0.546420966
## Elongation.PET	0.652256409	0.853150865	0.857517592
## Flatness.PET	0.571283524	0.795237133	0.792844125

## Max_cooc.L.PET	0.871623440	0.429652841	0.479713323
## Average_cooc.L.PET	0.466833435	0.806295674	0.820227872
## Variance_cooc.L.PET	0.344972127	0.636006732	0.658498049
## Entropy_cooc.L.PET	0.602134489	0.982921167	0.979257144
## DAVE_cooc.L.PET	0.430475087	0.749219211	0.767085383
## DVAR_cooc.L.PET	0.439991350	0.659095269	0.676580085
## DENT_cooc.L.PET	0.595017820	0.968095859	0.972497378
## SAVE_cooc.L.PET	0.465962566	0.806155696	0.820030190
## SVAR_cooc.L.PET	0.346255577	0.646070728	0.665829598
## SENT_cooc.L.PET	0.660662410	0.969448858	0.977874564
## ASM_cooc.L.PET	0.869478916	0.400128825	0.450854075
## Contrast_cooc.L.PET	0.296258071	0.534346192	0.558135457
## Dissimilarity_cooc.L.PET	0.430475087	0.749219211	0.767085383
## Inv_diff_cooc.L.PET	0.730896326	0.849426542	0.846489314
## Inv_diff_norm_cooc.L.PET	0.671355387	0.993663638	0.991514179
## IDM_cooc.L.PET	0.749521965	0.756264313	0.757031394
## IDM_norm_cooc.L.PET	0.665667117	0.997060449	0.995883237
## Inv_var_cooc.L.PET	0.755994584	0.761519887	0.760845532
## Correlation_cooc.L.PET	0.485921874	0.659696078	0.653096534
## Autocorrelation_cooc.L.PET	0.336908457	0.596441682	0.616897026
## Tendency_cooc.L.PET	0.346255577	0.646070728	0.665829598
## Shade_cooc.L.PET	0.154314258	0.321611184	0.326583940
## Prominence_cooc.L.PET	0.229819877	0.450768563	0.473526259
## IC1_.L.PET	0.079957725	-0.355584074	-0.369696710
## IC2_.L.PET	0.602196290	0.886894893	0.908531400
## Coarseness_vdif_.L.PET	0.760519504	0.438468852	0.494052044
## Contrast_vdif_.L.PET	0.127303824	0.219100085	0.245117366
## Busyness_vdif_.L.PET	0.175692035	0.334144298	0.300451840
## Complexity_vdif_.L.PET	0.473692956	0.705259061	0.724807974
## Strength_vdif_.L.PET	0.197820426	0.278987319	0.307595983
## SRE_align.L.PET	0.661198230	0.997308363	0.998595681
## LRE_align.L.PET	0.656414535	0.991459204	0.989133640
## GLNU_align.L.PET	0.155225803	0.276441144	0.245953433
## RLNU_align.L.PET	0.094311484	0.252097293	0.223367240
## RP_align.L.PET	0.660042516	0.996980506	0.998538335
## LGRE_align.L.PET	0.712556470	0.611772017	0.628440275
## HGRE_align.L.PET	0.349804974	0.617807363	0.638616047
## LGSRE_align.L.PET	0.720949734	0.616114105	0.633553620
## HGSRE_align.L.PET	0.349235260	0.616099585	0.637160507
## LGHRE_align.L.PET	0.676829938	0.591123566	0.604757853
## HGLRE_align.L.PET	0.350881780	0.622910014	0.642607593
## GLNU_norm_align.L.PET	0.888864484	0.649333692	0.682659132
## RLNU_norm_align.L.PET	0.656625620	0.995052205	0.997573638
## GLVAR_align.L.PET	0.369502099	0.664257372	0.685285582
## RLVAR_align.L.PET	0.858617346	0.619448475	0.642565121
## Entropy_align.L.PET	0.608470447	0.986393095	0.984353462
## SZSE.L.PET	0.661789694	0.974920974	0.976646782
## LZSE.L.PET	0.431810515	0.693274147	0.688489548
## LGLZE.L.PET	0.725755418	0.623237102	0.640197587
## HGLZE.L.PET	0.354632570	0.627647843	0.648105618
## SZLGE.L.PET	0.750728851	0.631172378	0.650335911
## SZHGE.L.PET	0.362757556	0.622852455	0.642714733
## LZLGE.L.PET	0.550725740	0.497873451	0.503170538
## LZHGE.L.PET	0.253134760	0.513498252	0.531442760

## GLNU_area.L.PET	0.150910496	0.278407339	0.247701022
## ZSNU.L.PET	0.087506195	0.253775817	0.224636998
## ZSP.L.PET	0.655416185	0.980986309	0.983726464
## GLNU_norm.L.PET	0.891855660	0.649505617	0.683096562
## ZSNU_norm.L.PET	0.647845062	0.981909873	0.986297113
## GLVAR_area.L.PET	0.378602346	0.675150726	0.696231941
## ZSVAR.L.PET	0.446989119	0.446703217	0.441024425
## Entropy_area.L.PET	0.612846025	0.987654548	0.984130163
## Max_cooc.H.PET	0.342647706	0.290841965	0.317497564
## Average_cooc.H.PET	0.618109245	0.971527909	0.974006205
## Variance_cooc.H.PET	0.527152605	0.862022505	0.855519056
## Entropy_cooc.H.PET	0.468909683	0.840905439	0.837401631
## DAVE_cooc.H.PET	0.539165771	0.881341149	0.879766945
## DVAR_cooc.H.PET	0.533635221	0.855557762	0.856303763
## DENT_cooc.H.PET	0.469235540	0.787087132	0.766400630
## SAVE_cooc.H.PET	0.621946965	0.980060963	0.979238635
## SVAR_cooc.H.PET	0.565688016	0.851068677	0.838318043
## SENT_cooc.H.PET	0.674071259	0.680243031	0.694343462
## ASM_cooc.H.PET	0.402234553	0.270463133	0.304876592
## Contrast_cooc.H.PET	0.474462620	0.785370361	0.786918312
## Dissimilarity_cooc.H.PET	0.539165771	0.881341149	0.879766945
## Inv_diff_cooc.H.PET	0.532445820	0.662511671	0.677819870
## Inv_diff_norm_cooc.H.PET	0.668194800	0.993470315	0.994724439
## IDM_cooc.H.PET	0.472879480	0.556811715	0.574354171
## IDM_norm_cooc.H.PET	0.664458284	0.996848360	0.997338475
## Inv_var_cooc_.H.PET	0.862232200	0.563582019	0.599578961
## Correlation_cooc.H.PET	0.489115960	0.667623298	0.660321814
## Autocorrelation_cooc.H.PET	0.587637971	0.911781331	0.917724631
## Tendency_cooc.H.PET	0.508378176	0.826342951	0.816063522
## Shade_cooc.H.PET	-0.248229782	-0.416334807	-0.416972115
## Prominence_cooc.H.PET	0.365020103	0.613410286	0.600421327
## IC1_d.H.PET	0.247244733	-0.130994707	-0.108418573
## IC2_d.H.PET	0.544120419	0.781674941	0.779194103
## Coarseness_vdif.H.PET	0.851711664	0.392463518	0.445688000
## Contrast_vdif.H.PET	0.199693834	0.275612070	0.299407025
## Busyness_vdif.H.PET	-0.194914644	0.150523902	0.110199890
## Complexity_vdif.H.PET	0.668410855	0.639851237	0.668470901
## Strength_vdif.H.PET	0.017991975	0.011265483	0.033687095
## SRE_align.H.PET	0.643296396	0.973346396	0.972037904
## LRE_align.H.PET	0.425460493	0.634185899	0.639868869
## RLNU_align.H.PET	0.101080747	0.250681798	0.223320895
## RP_align.H.PET	0.633997298	0.961457615	0.960425528
## LGRE_align.H.PET	0.872121450	0.418226355	0.468605838
## HGRE_align.H.PET	0.584207601	0.917406411	0.922748620
## LGSRE_align.H.PET	0.871344429	0.415722432	0.466208070
## HGSRE_align.H.PET	0.604714825	0.964548540	0.966644669
## LGHRE_align.H.PET	0.876349543	0.431606603	0.481448486
## HGLRE_align.H.PET	0.297474344	0.432376074	0.441594794
## GLNU_norm_align.H.PET	0.442454951	0.496293811	0.519970479
## RLNU_norm_align.H.PET	0.599683589	0.912016541	0.910246991
## GLVAR_align.H.PET	0.509163605	0.829933788	0.821676063
## RLVAR_align.H.PET	0.244404271	0.278249154	0.285564688
## Entropy_align.H.PET	0.561240288	0.909135505	0.898155279
## SZSE.H.PET	0.587999619	0.861201741	0.853760712

## LZSE.H.PET	-0.046790898	-0.056666036	-0.061212371
## LGLZE.H.PET	0.870933168	0.419028627	0.469271956
## HGLZE.H.PET	0.566674767	0.871625470	0.864461672
## SZLGE.H.PET	0.869467281	0.412465824	0.462892009
## SZHGE.H.PET	0.530203309	0.838019095	0.829092252
## LZLGE.H.PET	0.074001365	0.001685965	0.003287920
## LZHGE.H.PET	-0.029850775	-0.051303338	-0.050063829
## GLNU_area.H.PET	0.114681440	0.290612007	0.256892944
## ZSNU.H.PET	0.074378104	0.219505518	0.195631263
## ZSP.H.PET	0.441052159	0.679273407	0.671056377
## GLNU_norm.H.PET	0.442383217	0.508318570	0.533591910
## ZSNU_norm.H.PET	0.492082797	0.730847763	0.723677755
## GLVAR_area.H.PET	0.498731991	0.809428176	0.800034130
## ZSVAR_H.PET	-0.031289614	-0.055052725	-0.057978305
## Entropy_area.H.PET	0.606620593	0.954331203	0.944483831
## Max_cooc.W.PET	0.520051796	0.318705741	0.358905978
## Average_cooc.W.PET	0.291664660	0.537748626	0.527462160
## Variance_cooc.W.PET	0.143590328	0.269930228	0.263660005
## Entropy_cooc.W.PET	0.521901933	0.867024412	0.855706671
## DAVE_cooc.W.PET	0.304716426	0.560648089	0.553856277
## DVAR_cooc.W.PET	0.137209448	0.302918888	0.298902981
## DENT_cooc.W.PET	0.518444933	0.849877899	0.840944966
## SAVE_cooc.W.PET	0.289954360	0.537076704	0.526682158
## SVAR_cooc.W.PET	0.143173023	0.244581003	0.237254294
## SENT_cooc.W.PET	0.615190206	0.898846318	0.895423500
## ASM_cooc.W.PET	0.671735161	0.346937287	0.395583419
## Contrast_cooc.W.PET	0.130769086	0.311710283	0.308701302
## Dissimilarity_cooc.W.PET	0.304716426	0.560648089	0.553856277
## Inv_diff_cooc.W.PET	0.573146609	0.742969270	0.756410125
## Inv_diff_norm_cooc.W.PET	0.671562448	0.993769305	0.991976888
## IDM_cooc.W.PET	0.498190399	0.607323648	0.623961632
## IDM_norm_cooc.W.PET	0.665887518	0.997119423	0.996081000
## Inv_var_cooc.W.PET	0.552796739	0.677927088	0.693172416
## Correlation_cooc.W.PET	0.486745938	0.659423419	0.652352939
## Autocorrelation_cooc.W.PET	0.119472629	0.269903166	0.261934208
## Tendency_cooc.W.PET	0.143173023	0.244581003	0.237254294
## Shade_cooc.W.PET	0.068679196	0.046487414	0.045264069
## Prominence_cooc.W.PET	0.031089409	0.014544278	0.014445290
## IC1_d.W.PET	0.305270622	-0.151329181	-0.126824999
## IC2_d.W.PET	0.582146724	0.844547305	0.848882192
## Coarseness_vdif.W.PET	0.675074998	0.409187443	0.464898127
## Contrast_vdif.W.PET	0.319005098	0.480187986	0.492012799
## Busyness_vdif.W.PET	0.027027767	0.241513167	0.229124612
## Complexity_vdif.W.PET	0.107218545	0.177300910	0.171222181
## Strength_vdif.W.PET	0.207327019	0.247603318	0.249650570
## SRE_align.W.PET	0.657377276	0.992553158	0.992085082
## LRE_align.W.PET	0.573629424	0.863567809	0.867876237
## GLNU_align.W.PET	0.115937214	0.284600023	0.251443117
## RLNU_align.W.PET	0.101313991	0.251676564	0.223779506
## RP_align.W.PET	0.653491441	0.988416608	0.987874790
## LGRE_align.W.PET	0.436848606	0.481363701	0.501398123
## HGRE_align.W.PET	0.113780768	0.272968583	0.264835643
## LGSRE_align.W.PET	0.473059748	0.517017875	0.537346994
## HGSRE_align.W.PET	0.110112571	0.268576319	0.260658406

## LGHRE_align.W.PET	0.283423900	0.320852580	0.338082589
## HGLRE_align.W.PET	0.128064327	0.290323927	0.281350762
## GLNU_norm_align.W.PET	0.516447716	0.492352965	0.522347805
## RLNU_norm_align.W.PET	0.639498142	0.970179585	0.968867410
## GLVAR_align.W.PET	0.140432048	0.270994768	0.263750178
## RLVAR_align.W.PET	0.362700735	0.346855499	0.362793759
## Entropy_align.W.PET	0.559598533	0.911333109	0.900683056
## SZSE.W.PET	0.643068413	0.944365922	0.940915731
## LZSE.W.PET	0.082499948	0.121886428	0.131236976
## LGLZE.W.PET	0.467692922	0.505889455	0.525594681
## HGLZE.W.PET	0.114714677	0.276413291	0.268256867
## SZLGE.W.PET	0.569331245	0.579455177	0.599360649
## SZHGE.W.PET	0.105527398	0.264006003	0.256309144
## LZLGE.W.PET	-0.009844607	-0.005940426	0.001562616
## LZHGE.W.PET	0.158114165	0.309432183	0.303601079
## GLNU_area.W.PET	0.121865431	0.295122427	0.260909171
## ZSNU.W.PET	0.092572923	0.239065688	0.212735877
## ZSP.W.PET	0.582821017	0.876403684	0.870531435
## GLNU_norm.W.PET	0.533739540	0.511716382	0.542371662
## ZSNU_norm.W.PET	0.580751634	0.871581200	0.866699116
## GLVAR_area.W.PET	0.144966305	0.274691732	0.267564741
## ZSVAR.W.PET	0.039396139	0.034711403	0.041725240
## Entropy_area.W.PET	0.589091888	0.947445680	0.937782715
## Min_hist.ADC	0.080067242	0.318140092	0.357626852
## Max_hist.ADC	0.676688717	0.891114545	0.864944225
## Mean_hist.ADC	0.548961297	0.868118961	0.865741263
## Variance_hist.ADC	0.516296922	0.457893582	0.428203265
## Standard_Deviation_hist.ADC	0.623299058	0.732600715	0.708890646
## Skewness_hist.ADC	0.161646792	0.226051842	0.233928035
## Kurtosis_hist.ADC	0.218284773	0.275469902	0.269403185
## Energy_hist.ADC	0.839435999	0.410850093	0.468521162
## Entropy_hist.ADC	0.680648386	0.960484406	0.937828815
## AUC_hist.ADC	0.680975876	0.975534038	0.973187826
## Volume.ADC	0.084443030	0.340335608	0.299996339
## X3D_surface.ADC	0.475650656	0.451073416	0.395590548
## ratio_3ds_vol.ADC	0.324707026	0.624071368	0.684224251
## ratio_3ds_vol_norm.ADC	0.602000045	0.944365856	0.930673744
## irregularity.ADC	0.569096179	0.951028315	0.970240786
## Compactness_v1.ADC	0.891578740	0.657304626	0.702688677
##	LZSE.H.ADC	LGLZE.H.ADC	HGLZE.H.ADC
## Failure	-0.04792375	4.234435e-02	0.005892136
## Entropy_cooc.W.ADC	0.11090766	-2.540749e-02	0.020450993
## GLNU_align.H.PET	0.01199469	1.059285e-02	-0.049336349
## Min_hist.PET	0.51456501	2.455918e-01	0.534091958
## Max_hist.PET	0.55274906	2.519316e-01	0.548042033
## Mean_hist.PET	0.51529987	2.411836e-01	0.535142541
## Variance_hist.PET	0.25694705	1.026872e-01	0.266238366
## Standard_Deviation_hist.PET	0.53172430	2.700659e-01	0.541033854
## Skewness_hist.PET	0.55579983	3.849615e-01	0.528839222
## Kurtosis_hist.PET	0.22935297	1.418290e-01	0.141609802
## Energy_hist.PET	0.39814251	9.503550e-01	0.406466898
## Entropy_hist.PET	0.85521518	4.814483e-01	0.872744405
## AUC_hist.PET	0.95657315	6.915227e-01	0.990696265
## H_suv.PET	0.54501567	3.680224e-01	0.561791016
			0.349009605

## Volume.PET	0.37704926	-3.272616e-02	0.334312546	-0.054089728
## X3D_surface.PET	0.26203977	1.475603e-01	0.215341401	0.132313499
## ratio_3ds_vol.PET	0.52424219	6.991961e-01	0.555871279	0.695739422
## ratio_3ds_vol_norm.PET	0.58694999	6.748233e-01	0.563241388	0.658538887
## irregularity.PET	0.91449032	6.613336e-01	0.966561307	0.639270844
## tumor_length.PET	0.63618199	4.132263e-01	0.595766392	0.384859549
## Compactness_v1.PET	0.50948156	9.204775e-01	0.519344841	0.918043316
## Compactness_v2.PET	0.22451862	-1.589313e-01	0.252552900	-0.172443505
## Spherical_disproportion.PET	0.58694999	6.748233e-01	0.563241388	0.658538887
## Sphericity.PET	0.22420313	-2.713820e-01	0.258428303	-0.285697448
## Asphericity.PET	0.56649059	6.668227e-01	0.540930232	0.651145572
## Center_of_mass.PET	0.40425168	2.294274e-01	0.368204952	0.205540901
## Max_3D_diam.PET	0.47802327	-8.587726e-03	0.476249938	-0.033215851
## Major_axis_length.PET	0.51742246	1.174043e-01	0.514844157	0.093259327
## Minor_axis_length.PET	0.68716250	2.858093e-01	0.661961879	0.253558167
## Least_axis_length.PET	0.59184440	1.601513e-01	0.563222922	0.131154388
## Elongation.PET	0.81367358	6.462926e-01	0.852461249	0.624029551
## Flatness.PET	0.76710107	5.401715e-01	0.790401161	0.518447442
## Max_cooc.L.PET	0.43462622	9.603331e-01	0.430695445	0.961897785
## Average_cooc.L.PET	0.72932090	5.431832e-01	0.817150837	0.534081558
## Variance_cooc.L.PET	0.56069888	4.631125e-01	0.652022086	0.458888094
## Entropy_cooc.L.PET	0.93234701	5.877963e-01	0.983340844	0.559954657
## DAVE_cooc.L.PET	0.67139243	5.336947e-01	0.761339668	0.524455203
## DVAR_cooc.L.PET	0.60825823	5.334386e-01	0.669360946	0.519961268
## DENT_cooc.L.PET	0.90893741	6.255408e-01	0.972014435	0.602631040
## SAVE_cooc.L.PET	0.72914412	5.422344e-01	0.817014335	0.533125009
## SVAR_cooc.L.PET	0.57829940	4.456932e-01	0.661403165	0.439564864
## SENT_cooc.L.PET	0.91832747	6.935109e-01	0.972098958	0.671289421
## ASM_cooc.L.PET	0.40539740	9.567632e-01	0.400701264	0.959204393
## Contrast_cooc.L.PET	0.45719842	4.281814e-01	0.549291448	0.427547958
## Dissimilarity_cooc.L.PET	0.67139243	5.336947e-01	0.761339668	0.524455203
## Inv_diff_cooc.L.PET	0.85392973	6.710821e-01	0.840513887	0.641838862
## Inv_diff_norm_cooc.L.PET	0.95857528	6.544112e-01	0.991551525	0.625912016
## IDM_cooc.L.PET	0.77435315	6.878766e-01	0.746133897	0.660965986
## IDM_norm_cooc.L.PET	0.95831830	6.554893e-01	0.995807350	0.627641690
## Inv_var_cooc.L.PET	0.78169663	6.868052e-01	0.750814696	0.659214622
## Correlation_cooc.L.PET	0.66123177	4.183605e-01	0.655137290	0.395853810
## Autocorrelation_cooc.L.PET	0.52082808	4.385291e-01	0.611451810	0.439746441
## Tendency_cooc.L.PET	0.57829940	4.456932e-01	0.661403165	0.439564864
## Shade_cooc.L.PET	0.30500031	1.752024e-01	0.326275802	0.162166161
## Prominence_cooc.L.PET	0.39587882	3.348198e-01	0.467097245	0.333877215
## IC1_.L.PET	-0.27954733	-7.410875e-02	-0.375684468	-0.081188913
## IC2_.L.PET	0.81844434	6.924132e-01	0.897452499	0.678878577
## Coarseness_vdif_.L.PET	0.41732653	9.166421e-01	0.446742459	0.925929602
## Contrast_vdif_.L.PET	0.16691403	2.728876e-01	0.230029653	0.284452168
## Busyness_vdif_.L.PET	0.36779661	5.209727e-02	0.314614437	0.029665094
## Complexity_vdif_.L.PET	0.64251250	5.742855e-01	0.713593345	0.564567294
## Strength_vdif_.L.PET	0.25236712	3.586065e-01	0.288951025	0.368078823
## SRE_align.L.PET	0.95298716	6.645358e-01	0.997590568	0.638149148
## LRE_align.L.PET	0.95462134	6.414836e-01	0.989824758	0.612986066
## GLNU_align.L.PET	0.31538516	3.677899e-02	0.258560091	0.016279948
## RLNU_align.L.PET	0.27146875	-9.606639e-03	0.236200390	-0.026158955
## RP_align.L.PET	0.95197221	6.649627e-01	0.997423066	0.638751740
## LGRE_align.L.PET	0.64040163	7.097671e-01	0.605377025	0.689149884

## HGRE_align.L.PET	0.53816526	4.575890e-01	0.632812301	0.458288294
## LGSRE_align.L.PET	0.64405068	7.204029e-01	0.609827987	0.700034888
## HGSRE_align.L.PET	0.53638703	4.584954e-01	0.631249446	0.459290999
## LGHRE_align.L.PET	0.62228381	6.651741e-01	0.584382266	0.643644392
## HGLRE_align.L.PET	0.54384079	4.520672e-01	0.637282324	0.452333088
## GLNU_norm_align.L.PET	0.65714033	9.372273e-01	0.646571420	0.925798834
## RLNU_norm_align.L.PET	0.94782368	6.667019e-01	0.996067695	0.641096384
## GLVAR_align.L.PET	0.58795738	4.747521e-01	0.679615559	0.469745529
## RLVAR_align.L.PET	0.63794083	8.484090e-01	0.612628442	0.832845407
## Entropy_align.L.PET	0.93523897	6.013515e-01	0.987398814	0.574665078
## SZSE.L.PET	0.93348470	6.650513e-01	0.975224759	0.639675668
## LZSE.L.PET	0.67177327	4.064821e-01	0.690618457	0.383346675
## LGLZE.L.PET	0.65073672	7.242899e-01	0.617114624	0.703534700
## HGLZE.L.PET	0.54791706	4.625539e-01	0.642509490	0.462742147
## SZLGE.L.PET	0.65629830	7.558049e-01	0.625698420	0.736050859
## SZHGE.L.PET	0.54697021	4.682307e-01	0.637269086	0.468065869
## LZLGE.L.PET	0.53814655	5.104888e-01	0.489785888	0.487095531
## LZHGE.L.PET	0.43806493	3.430629e-01	0.526482473	0.344111563
## GLNU_area.L.PET	0.31494177	3.345993e-02	0.260551148	0.013326878
## ZSNU.L.PET	0.27085890	-1.537395e-02	0.238086786	-0.031744559
## ZSP.L.PET	0.93504013	6.665483e-01	0.982108398	0.641739216
## GLNU_norm.L.PET	0.65619954	9.407115e-01	0.646771519	0.929437342
## ZSNU_norm.L.PET	0.93210960	6.681531e-01	0.984126966	0.644134684
## GLVAR_area.L.PET	0.59814627	4.843043e-01	0.690724403	0.478761333
## ZSVAR.L.PET	0.47767850	3.691029e-01	0.437371118	0.347079699
## Entropy_area.L.PET	0.94038153	5.973783e-01	0.987682057	0.569676442
## Max_cooc.H.PET	0.26648469	4.311011e-01	0.300675531	0.436035803
## Average_cooc.H.PET	0.92360782	6.331416e-01	0.974256631	0.609075317
## Variance_cooc.H.PET	0.82493612	5.109724e-01	0.858610740	0.486488990
## Entropy_cooc.H.PET	0.79528844	4.562571e-01	0.841856260	0.429006010
## DAVE_cooc.H.PET	0.83257643	5.516214e-01	0.880854060	0.527998695
## DVAR_cooc.H.PET	0.80343751	5.634230e-01	0.855559205	0.544489059
## DENT_cooc.H.PET	0.77271489	3.802032e-01	0.779870179	0.350256597
## SAVE_cooc.H.PET	0.93753472	6.173054e-01	0.981312319	0.591919807
## SVAR_cooc.H.PET	0.83691161	5.089529e-01	0.842587690	0.482053862
## SENT_cooc.H.PET	0.67621287	6.830695e-01	0.676019768	0.663287870
## ASM_cooc.H.PET	0.24341649	5.036079e-01	0.281398998	0.512358325
## Contrast_cooc.H.PET	0.73089780	5.070283e-01	0.786163434	0.488784559
## Dissimilarity_cooc.H.PET	0.83257643	5.516214e-01	0.880854060	0.527998695
## Inv_diff_cooc.H.PET	0.62786748	5.753357e-01	0.668611901	0.565884565
## Inv_diff_norm_cooc.H.PET	0.95235178	6.668355e-01	0.993537333	0.640296854
## IDM_cooc.H.PET	0.52436186	5.246894e-01	0.564007307	0.519443407
## IDM_norm_cooc.H.PET	0.95556196	6.615561e-01	0.996664088	0.634525536
## Inv_var_cooc.H.PET	0.56899985	9.019206e-01	0.560749555	0.890856210
## Correlation_cooc.H.PET	0.67191394	4.205923e-01	0.662275589	0.397337054
## Autocorrelation_cooc.H.PET	0.86394651	6.149243e-01	0.916529622	0.594601197
## Tendency_cooc.H.PET	0.80196148	4.672987e-01	0.820964555	0.441631894
## Shade_cooc.H.PET	-0.38747900	-2.646834e-01	-0.417488368	-0.260959581
## Prominence_cooc.H.PET	0.59717171	3.116304e-01	0.606412158	0.291168111
## IC1_d.H.PET	-0.11170250	3.020519e-01	-0.133762599	0.309595200
## IC2_d.H.PET	0.76807696	5.037184e-01	0.777499357	0.480909314
## Coarseness_vdif.H.PET	0.39248288	9.535365e-01	0.394515680	0.957943076
## Contrast_vdif.H.PET	0.23138248	3.339797e-01	0.288769867	0.348166624
## Busyness_vdif.H.PET	0.15961860	-2.815876e-01	0.137485607	-0.292706637

## Complexity_vdif.H.PET	0.61011054	7.541323e-01	0.643199140	0.744960699
## Strength_vdif.H.PET	-0.01656538	1.048730e-01	0.022185383	0.116427035
## SRE_align.H.PET	0.93434866	6.368234e-01	0.971587305	0.608719200
## LRE_align.H.PET	0.59950809	4.367476e-01	0.639664749	0.424334006
## RLNU_align.H.PET	0.26864216	1.832661e-03	0.235252715	-0.014554032
## RP_align.H.PET	0.92235211	6.301543e-01	0.959772982	0.602467762
## LGRE_align.H.PET	0.41864352	9.590261e-01	0.418764592	0.961343917
## HGRE_align.H.PET	0.86792866	6.148272e-01	0.922107335	0.594412890
## LGSRE_align.H.PET	0.41626117	9.585159e-01	0.416286573	0.960917816
## HGSRE_align.H.PET	0.91773680	6.272322e-01	0.967117352	0.602605564
## LGHRE_align.H.PET	0.43130252	9.616342e-01	0.432061357	0.963511292
## HGLRE_align.H.PET	0.39928605	3.215382e-01	0.439796195	0.316537890
## GLNU_norm_align.H.PET	0.45906923	5.258528e-01	0.506293664	0.524476726
## RLNU_norm_align.H.PET	0.87574572	5.932631e-01	0.909593403	0.565791760
## GLVAR_align.H.PET	0.79666924	4.803086e-01	0.825521701	0.456091580
## RLVAR_align.H.PET	0.26220011	2.437479e-01	0.283189718	0.239933287
## Entropy_align.H.PET	0.87829369	5.091531e-01	0.903667624	0.478478261
## SZSE.H.PET	0.83977771	5.500798e-01	0.854762633	0.520227310
## LZSE.H.PET	-0.04565902	-8.958109e-02	-0.052612460	-0.091594066
## LGLZE.H.PET	0.41924711	9.578499e-01	0.419531804	0.960230261
## HGLZE.H.PET	0.84554275	5.379159e-01	0.870679178	0.509406883
## SZLGE.H.PET	0.41331133	9.566960e-01	0.412992692	0.959204472
## SZHGE.H.PET	0.81789035	5.039124e-01	0.833418623	0.473125412
## LZLGE.H.PET	0.01972432	3.912924e-02	0.005602774	0.038564347
## LZHGE.H.PET	-0.04919085	-4.806316e-02	-0.045635966	-0.047448401
## GLNU_area.H.PET	0.32008644	-8.370934e-04	0.272349526	-0.020249287
## ZSNU.H.PET	0.22810177	-7.996062e-03	0.206365929	-0.022218810
## ZSP.H.PET	0.66069176	4.107843e-01	0.673047235	0.385849722
## GLNU_norm.H.PET	0.46537910	5.356229e-01	0.518915105	0.535719727
## ZSNU_norm.H.PET	0.71267620	4.592686e-01	0.723552045	0.432438377
## GLVAR_area.H.PET	0.77737744	4.634052e-01	0.804639047	0.438492603
## ZSVAR.H.PET	-0.04222093	-6.821923e-02	-0.050802168	-0.069164737
## Entropy_area.H.PET	0.92295026	5.561068e-01	0.949717372	0.524948022
## Max_cooc.W.PET	0.29596060	6.302874e-01	0.328179047	0.637976177
## Average_cooc.W.PET	0.51255804	2.482912e-01	0.532167957	0.228122442
## Variance_cooc.W.PET	0.25670265	1.107969e-01	0.265320205	0.094708012
## Entropy_cooc.W.PET	0.83617724	4.752535e-01	0.861419316	0.444805428
## DAVE_cooc.W.PET	0.53061011	2.866831e-01	0.556194918	0.265709722
## DVAR_cooc.W.PET	0.27630724	1.257782e-01	0.299538001	0.111714966
## DENT_cooc.W.PET	0.81902180	4.852638e-01	0.844635089	0.455754410
## SAVE_cooc.W.PET	0.51187234	2.463888e-01	0.531493120	0.226208978
## SVAR_cooc.W.PET	0.23888468	9.936365e-02	0.239313120	0.082561924
## SENT_cooc.W.PET	0.87196414	5.910280e-01	0.893651085	0.562185141
## ASM_cooc.W.PET	0.33092757	7.855007e-01	0.355020672	0.793800103
## Contrast_cooc.W.PET	0.27993964	1.296357e-01	0.309233446	0.116846186
## Dissimilarity_cooc.W.PET	0.53061011	2.866831e-01	0.556194918	0.265709722
## Inv_diff_cooc.W.PET	0.70531094	6.131305e-01	0.748666457	0.601194465
## Inv_diff_norm_cooc.W.PET	0.95822072	6.562618e-01	0.991844286	0.627951376
## IDM_cooc.W.PET	0.57259266	5.496697e-01	0.614509715	0.543392430
## IDM_norm_cooc.W.PET	0.95825910	6.563809e-01	0.995918063	0.628592193
## Inv_var_cooc.W.PET	0.64417238	5.975635e-01	0.683756086	0.588387727
## Correlation_cooc.W.PET	0.66203062	4.162605e-01	0.654450986	0.393477044
## Autocorrelation_cooc.W.PET	0.25060038	8.004191e-02	0.265622346	0.067115061
## Tendency_cooc.W.PET	0.23888468	9.936365e-02	0.239313120	0.082561924

## Shade_cooc.W.PET	0.05049099	3.776152e-02	0.044402614	0.024425380
## Prominence_cooc.W.PET	0.01149197	6.620761e-03	0.014096492	-0.004946595
## IC1_d.W.PET	-0.12721416	3.462459e-01	-0.154291722	0.353865339
## IC2_d.W.PET	0.81499977	5.767711e-01	0.842955865	0.556007296
## Coarseness_vdif.W.PET	0.37831817	8.536199e-01	0.420060097	0.866815285
## Contrast_vdif.W.PET	0.43918692	3.784574e-01	0.482707111	0.367496691
## Busyness_vdif.W.PET	0.22258791	-8.877177e-03	0.241998957	-0.016364220
## Complexity_vdif.W.PET	0.17329283	6.645444e-02	0.172490471	0.051297331
## Strength_vdif.W.PET	0.27983857	2.294970e-01	0.240836855	0.217006474
## SRE_align.W.PET	0.95157417	6.532910e-01	0.991565077	0.625520740
## LRE_align.W.PET	0.81947391	5.832078e-01	0.867302686	0.563264051
## GLNU_align.W.PET	0.31689367	-5.707378e-03	0.267198368	-0.025211382
## RLNU_align.W.PET	0.27111362	-2.067158e-04	0.235943566	-0.016773206
## RP_align.W.PET	0.94757529	6.500103e-01	0.987291360	0.622275405
## LGRE_align.W.PET	0.45966163	4.942418e-01	0.488531235	0.487700282
## HGRE_align.W.PET	0.25133345	7.518246e-02	0.268744773	0.061976129
## LGSRE_align.W.PET	0.49648919	5.298216e-01	0.523491462	0.521860133
## HGSRE_align.W.PET	0.24669188	7.304945e-02	0.264467485	0.059959208
## LGHRE_align.W.PET	0.29795896	3.322671e-01	0.329987680	0.330208975
## HGLRE_align.W.PET	0.26964994	8.328147e-02	0.285650749	0.069609013
## GLNU_norm_align.W.PET	0.45929380	6.102741e-01	0.502115163	0.610555402
## RLNU_norm_align.W.PET	0.93106841	6.330286e-01	0.968427609	0.604770710
## GLVAR_align.W.PET	0.25711333	1.006701e-01	0.266141194	0.084539202
## RLVAR_align.W.PET	0.32685148	3.858149e-01	0.353216918	0.383365185
## Entropy_align.W.PET	0.87878712	5.115537e-01	0.906113449	0.480998491
## SZSE.W.PET	0.91304727	6.249115e-01	0.940892987	0.596527052
## LZSE.W.PET	0.10401061	1.100299e-01	0.130168896	0.112129948
## LGLZE.W.PET	0.48300797	5.210769e-01	0.512343532	0.513441932
## HGLZE.W.PET	0.25518544	7.720601e-02	0.272125122	0.063490225
## SZLGE.W.PET	0.56067647	6.126878e-01	0.583493135	0.601433592
## SZHGE.W.PET	0.24257513	7.234178e-02	0.259932240	0.058901401
## LZLGE.W.PET	-0.01786565	4.186547e-03	0.003037988	0.007203452
## LZHGE.W.PET	0.29072927	1.160605e-01	0.305161545	0.105210796
## GLNU_area.W.PET	0.32729931	-5.940966e-05	0.276729480	-0.019995100
## ZSNU.W.PET	0.25417657	-8.003872e-04	0.224303002	-0.016491547
## ZSP.W.PET	0.84812547	5.583143e-01	0.871425666	0.530129387
## GLNU_norm.W.PET	0.47658377	6.329820e-01	0.521444988	0.633613595
## ZSNU_norm.W.PET	0.84230738	5.611038e-01	0.866743851	0.533134303
## GLVAR_area.W.PET	0.26071376	1.058303e-01	0.269842362	0.089420294
## ZSVAR.W.PET	0.02705102	5.440632e-02	0.041437200	0.057225580
## Entropy_area.W.PET	0.91383584	5.415711e-01	0.943152475	0.510531001
## Min_hist.ADC	0.21579084	2.902179e-01	0.345432763	0.309501468
## Max_hist.ADC	0.91870069	5.279192e-01	0.874014485	0.492240001
## Mean_hist.ADC	0.83033013	5.517530e-01	0.867673995	0.529537662
## Variance_hist.ADC	0.53073177	3.235258e-01	0.437358044	0.296470291
## Standard_Deviation_hist.ADC	0.76715826	4.792157e-01	0.717018686	0.448198300
## Skewness_hist.ADC	0.23049912	1.658861e-01	0.225012010	0.164154504
## Kurtosis_hist.ADC	0.31232820	1.518626e-01	0.263261728	0.134664344
## Energy_hist.ADC	0.39717897	9.576417e-01	0.416818133	0.963880446
## Entropy_hist.ADC	0.96301398	5.726803e-01	0.946341428	0.535203656
## AUC_hist.ADC	0.94961701	6.620897e-01	0.970828137	0.635366567
## Volume.ADC	0.36764282	-4.212699e-02	0.322095996	-0.063822863
## X3D_surface.ADC	0.56917649	1.609897e-01	0.413819681	0.125972722
## ratio_3ds_vol.ADC	0.48415374	6.039432e-01	0.658214418	0.616606388

## ratio_3ds_vol_norm.ADC	0.92971248	5.619165e-01	0.936486048	0.530078683
## irregularity.ADC	0.86620878	6.605669e-01	0.964081480	0.644583316
## Compactness_v1.ADC	0.63038256	9.777349e-01	0.661933695	0.973828702
##	SZHGE.H.ADC	LZLGE.H.ADC	LZHGE.H.ADC	
## Failure	0.017929610	-0.0614689438	-0.0501939763	
## Entropy_cooc.W.ADC	0.003389224	0.1335643801	0.1150276738	
## GLNU_align.H.PET	-0.059730972	0.1164618566	0.0001977415	
## Min_hist.PET	0.532685450	0.3227145034	0.5157613614	
## Max_hist.PET	0.541443266	0.3775444042	0.5491745123	
## Mean_hist.PET	0.533661334	0.3356127560	0.5117648561	
## Variance_hist.PET	0.266304252	0.2099354054	0.2564240976	
## Standard_Deviation_hist.PET	0.537628831	0.3838544495	0.5256128379	
## Skewness_hist.PET	0.518570903	0.3990667868	0.5477913773	
## Kurtosis_hist.PET	0.123580515	0.2210117909	0.2313355871	
## Energy_hist.PET	0.412731129	0.6773568366	0.3430893742	
## Entropy_hist.PET	0.862579740	0.4930504855	0.8224785434	
## AUC_hist.PET	0.986730124	0.6827292194	0.9142059595	
## H_suv.PET	0.559364686	0.4371130576	0.5278177234	
## Volume.PET	0.317320339	0.0641205855	0.3863276159	
## X3D_surface.PET	0.202976028	0.2209330008	0.2607026522	
## ratio_3ds_vol.PET	0.562040164	0.5277674950	0.4959932763	
## ratio_3ds_vol_norm.PET	0.559380611	0.6714959701	0.5530835461	
## irregularity.PET	0.965752378	0.6201260468	0.8772110663	
## tumor_length.PET	0.582253716	0.5763091205	0.6062216470	
## Compactness_v1.PET	0.522672457	0.7274307610	0.4453429659	
## Compactness_v2.PET	0.250960334	0.0189077727	0.2162065957	
## Spherical_disproportion.PET	0.559380611	0.6714959701	0.5530835461	
## Sphericity.PET	0.255318324	-0.1048477929	0.2275732437	
## Asphericity.PET	0.537112900	0.6630113597	0.5332285929	
## Center_of_mass.PET	0.357751921	0.3365131000	0.3967948115	
## Max_3D_diam.PET	0.466484860	0.1657966143	0.4762418150	
## Major_axis_length.PET	0.506674982	0.2567810537	0.5112190218	
## Minor_axis_length.PET	0.646735618	0.4560318124	0.6630107749	
## Least_axis_length.PET	0.548106918	0.3492151734	0.5811859743	
## Elongation.PET	0.848915676	0.6208858367	0.7612170876	
## Flatness.PET	0.784723474	0.5657063064	0.7306755691	
## Max_cooc.L.PET	0.434223059	0.7176726758	0.3774345652	
## Average_cooc.L.PET	0.824787687	0.4877332688	0.6897130952	
## Variance_cooc.L.PET	0.663319911	0.3586412940	0.5375740765	
## Entropy_cooc.L.PET	0.980983071	0.6210672107	0.8913130266	
## DAVE_cooc.L.PET	0.770080160	0.4302323959	0.6402108519	
## DVAR_cooc.L.PET	0.675613888	0.4415039398	0.5826323628	
## DENT_cooc.L.PET	0.972715179	0.6004246225	0.8716572118	
## SAVE_cooc.L.PET	0.824649171	0.4870664783	0.6895931801	
## SVAR_cooc.L.PET	0.671232173	0.3719526810	0.5578292228	
## SENT_cooc.L.PET	0.972201763	0.6480239824	0.8793515961	
## ASM_cooc.L.PET	0.404388176	0.7116156060	0.3465842546	
## Contrast_cooc.L.PET	0.561400882	0.2890354308	0.4329869643	
## Dissimilarity_cooc.L.PET	0.770080160	0.4302323959	0.6402108519	
## Inv_diff_cooc.L.PET	0.830038219	0.6980836540	0.8118910901	
## Inv_diff_norm_cooc.L.PET	0.986618563	0.6681899246	0.9188209234	
## IDM_cooc.L.PET	0.734878955	0.6988653055	0.7306513740	
## IDM_norm_cooc.L.PET	0.991639152	0.6635347228	0.9185597683	
## Inv_var_cooc.L.PET	0.738922526	0.7014514324	0.7377257775	

## Correlation_cooc.L.PET	0.648240787	0.5012023423	0.6357017293
## Autocorrelation_cooc.L.PET	0.622658886	0.3574417987	0.4870325844
## Tendency_cooc.L.PET	0.671232173	0.3719526810	0.5578292228
## Shade_cooc.L.PET	0.328190944	0.1641228538	0.3141284608
## Prominence_cooc.L.PET	0.477861020	0.2419764486	0.3899914573
## IC1_.L.PET	-0.389653041	0.0339208098	-0.2904913091
## IC2_.L.PET	0.904734301	0.5861247149	0.7780506438
## Coarseness_vdif_.L.PET	0.455810382	0.6154800771	0.3692450580
## Contrast_vdif_.L.PET	0.241451639	0.1063223782	0.1610477448
## Busyness_vdif_.L.PET	0.296488405	0.1649960551	0.3723027984
## Complexity_vdif_.L.PET	0.719992913	0.4549686604	0.6145727942
## Strength_vdif_.L.PET	0.296892058	0.1469518300	0.2703968475
## SRE_align.L.PET	0.994847513	0.6575773390	0.9129374371
## LRE_align.L.PET	0.985167590	0.6597045243	0.9149631754
## GLNU_align.L.PET	0.241944908	0.1576515867	0.3204395940
## RLNU_align.L.PET	0.223343122	0.1075408717	0.2757154033
## RP_align.L.PET	0.994840798	0.6564885098	0.9119563484
## LGRE_align.L.PET	0.597952446	0.6403713593	0.6227774816
## HGRE_align.L.PET	0.644662094	0.3671175889	0.5021567894
## LGSRE_align.L.PET	0.602616595	0.6476577552	0.6259713697
## HGSRE_align.L.PET	0.643206164	0.3654969163	0.5005497617
## LGHRE_align.L.PET	0.576198988	0.6092384701	0.6060137742
## HGLRE_align.L.PET	0.648665803	0.3730743255	0.5072064507
## GLNU_norm_align.L.PET	0.643926183	0.7613429910	0.6071223059
## RLNU_norm_align.L.PET	0.994048270	0.6531155179	0.9077209897
## GLVAR_align.L.PET	0.690571602	0.3895375471	0.5600358868
## RLVAR_align.L.PET	0.606972753	0.7592974534	0.5815126352
## Entropy_align.L.PET	0.985559440	0.6257226443	0.8941301206
## SZSE.L.PET	0.972607771	0.6480237465	0.8946289540
## LZSE.L.PET	0.685205333	0.4706469262	0.6426238742
## LGLZE.L.PET	0.609941002	0.6537705311	0.6303950623
## HGLZE.L.PET	0.654292979	0.3720568675	0.5118739135
## SZLGE.L.PET	0.619522487	0.6718772419	0.6332114559
## SZHGE.L.PET	0.648612993	0.3715681623	0.5118660690
## LZLGE.L.PET	0.478922260	0.5080405704	0.5270732321
## LZHGE.L.PET	0.537121765	0.3039684959	0.4056621750
## GLNU_area.L.PET	0.244219710	0.1501822051	0.3201312076
## ZSNU.L.PET	0.225508391	0.0981657567	0.2752471243
## ZSP.L.PET	0.980345117	0.6438735027	0.8961459052
## GLNU_norm.L.PET	0.644284528	0.7634063485	0.6049823035
## ZSNU_norm.L.PET	0.983371433	0.6425303976	0.8934712162
## GLVAR_area.L.PET	0.701944630	0.3982757742	0.5687329133
## ZSVAR.L.PET	0.425457634	0.4607906413	0.4486897594
## Entropy_area.L.PET	0.984831518	0.6311677221	0.8994362046
## Max_cooc.H.PET	0.306668134	0.2595260261	0.2338658289
## Average_cooc.H.PET	0.972310088	0.6108461477	0.8837476938
## Variance_cooc.H.PET	0.854717292	0.5535070852	0.7968413946
## Entropy_cooc.H.PET	0.841610325	0.5117888790	0.7705520071
## DAVE_cooc.H.PET	0.878884514	0.5465507739	0.8009761782
## DVAR_cooc.H.PET	0.854017829	0.5275766337	0.7687220597
## DENT_cooc.H.PET	0.771570179	0.4845647262	0.7435777183
## SAVE_cooc.H.PET	0.978192719	0.6207915198	0.8997267546
## SVAR_cooc.H.PET	0.833738409	0.5596081503	0.8109085329
## SENT_cooc.H.PET	0.673135082	0.6599448407	0.6485558639

## ASM_cooc.H.PET	0.289376452	0.3059144109	0.2036283100
## Contrast_cooc.H.PET	0.786240681	0.4743368809	0.7000285117
## Dissimilarity_cooc.H.PET	0.878884514	0.5465507739	0.8009761782
## Inv_diff_cooc.H.PET	0.669927181	0.4759600174	0.5826491301
## Inv_diff_norm_cooc.H.PET	0.990376925	0.6631856150	0.9115308982
## IDM_cooc.H.PET	0.566312736	0.4076415474	0.4804042348
## IDM_norm_cooc.H.PET	0.993346135	0.6619147596	0.9155251127
## Inv_var_cooc_.H.PET	0.561537212	0.7661893627	0.5184887085
## Correlation_cooc.H.PET	0.655356794	0.5133151560	0.6497550402
## Autocorrelation_cooc.H.PET	0.915746250	0.5718146306	0.8240680408
## Tendency_cooc.H.PET	0.815273477	0.5467061302	0.7778850514
## Shade_cooc.H.PET	-0.417925563	-0.2626597015	-0.3638751335
## Prominence_cooc.H.PET	0.601229258	0.4150059070	0.5792694928
## IC1_d.H.PET	-0.133433928	0.1534293788	-0.1258532169
## IC2_d.H.PET	0.772572123	0.5666652955	0.7447271670
## Coarseness_vdif.H.PET	0.399789878	0.6944680083	0.3362450421
## Contrast_vdif.H.PET	0.295678143	0.1442191076	0.2075795231
## Busyness_vdif.H.PET	0.123591949	-0.1867591698	0.1866741476
## Complexity_vdif.H.PET	0.646035595	0.6084291992	0.5692636393
## Strength_vdif.H.PET	0.032492471	-0.0053300565	-0.0156674614
## SRE_align.H.PET	0.967919263	0.6509504128	0.8999756565
## LRE_align.H.PET	0.639580229	0.3981298903	0.5579610050
## RLNU_align.H.PET	0.223305800	0.1184799843	0.2736500502
## RP_align.H.PET	0.956354093	0.6441254432	0.8893010395
## LGRE_align.H.PET	0.423056929	0.7202252062	0.3580301234
## HGRE_align.H.PET	0.921732873	0.5652574469	0.8273421685
## LGSRE_align.H.PET	0.420604662	0.7192092990	0.3557169578
## HGSRE_align.H.PET	0.965558424	0.5978974234	0.8818671496
## LGHRE_align.H.PET	0.436225704	0.7254249854	0.3700445637
## HGLRE_align.H.PET	0.442083332	0.2692033579	0.3641696018
## GLNU_norm_align.H.PET	0.510850389	0.3634592360	0.4188461402
## RLNU_norm_align.H.PET	0.906266178	0.6173894554	0.8470439988
## GLVAR_align.H.PET	0.820925074	0.5410751965	0.7685252200
## RLVAR_align.H.PET	0.283939966	0.2077001528	0.2268397665
## Entropy_align.H.PET	0.898088032	0.5985679239	0.8484520690
## SZSE.H.PET	0.848650819	0.5981906537	0.8168730155
## LZSE.H.PET	-0.052940497	-0.0238491575	-0.0644599529
## LGLZE.H.PET	0.423775613	0.7199624407	0.3585187585
## HGLZE.H.PET	0.863796860	0.5419539119	0.8079783370
## SZLGE.H.PET	0.417233469	0.7172358613	0.3527944661
## SZHGE.H.PET	0.827966705	0.5359738778	0.8015073166
## LZLGE.H.PET	0.005181739	0.0817965416	-0.0129495621
## LZHGE.H.PET	-0.044108930	-0.0174579080	-0.0645244415
## GLNU_area.H.PET	0.255678369	0.1145329213	0.3285638397
## ZSNU.H.PET	0.197591241	0.0904417133	0.2334095528
## ZSP.H.PET	0.668418341	0.4655635489	0.6496209924
## GLNU_norm.H.PET	0.523811710	0.3648360524	0.4249716004
## ZSNU_norm.H.PET	0.718408654	0.5132368221	0.7002576736
## GLVAR_area.H.PET	0.799660236	0.5315111106	0.7471145994
## ZSVAR_H.PET	-0.051131552	-0.0119229788	-0.0619642857
## Entropy_area.H.PET	0.943683135	0.6329532507	0.8862845570
## Max_cooc.W.PET	0.336337603	0.4061150837	0.2514156487
## Average_cooc.W.PET	0.530446371	0.3592166122	0.5010554255
## Variance_cooc.W.PET	0.265204153	0.2076045981	0.2581263750

## Entropy_cooc.W.PET	0.856125755	0.5646874391	0.8115121805
## DAVE_cooc.W.PET	0.554941779	0.3528585784	0.5248095989
## DVAR_cooc.W.PET	0.301026308	0.1889814108	0.2778239571
## DENT_cooc.W.PET	0.839847596	0.5543989398	0.7983285274
## SAVE_cooc.W.PET	0.529762533	0.3578469630	0.5004893505
## SVAR_cooc.W.PET	0.238284916	0.2110458583	0.2403920649
## SENT_cooc.W.PET	0.888686654	0.6316445155	0.8458446212
## ASM_cooc.W.PET	0.362938954	0.5335086741	0.2773781666
## Contrast_cooc.W.PET	0.311510785	0.1791632804	0.2810921696
## Dissimilarity_cooc.W.PET	0.554941779	0.3528585784	0.5248095989
## Inv_diff_cooc.W.PET	0.749026596	0.5193081519	0.6576094698
## Inv_diff_norm_cooc.W.PET	0.987065712	0.6682942474	0.9183536278
## IDM_cooc.W.PET	0.616282223	0.4339593683	0.5265715617
## IDM_norm_cooc.W.PET	0.991803668	0.6638590274	0.9185063130
## Inv_var_cooc.W.PET	0.684198697	0.4869092108	0.5962728373
## Correlation_cooc.W.PET	0.647333627	0.5024961681	0.6373826734
## Autocorrelation_cooc.W.PET	0.266817186	0.1944971777	0.2461887584
## Tendency_cooc.W.PET	0.238284916	0.2110458583	0.2403920649
## Shade_cooc.W.PET	0.044070759	0.1067770051	0.0495560195
## Prominence_cooc.W.PET	0.015669745	0.0735486184	0.0068161514
## IC1_d.W.PET	-0.154026917	0.1957800284	-0.1563058568
## IC2_d.W.PET	0.840749315	0.5911307282	0.7910462563
## Coarseness_vdif.W.PET	0.431386103	0.5418560203	0.3344000270
## Contrast_vdif.W.PET	0.487347804	0.3338283161	0.4328041568
## Busyness_vdif.W.PET	0.237248366	0.0171263512	0.2058680760
## Complexity_vdif.W.PET	0.171386494	0.1690340724	0.1707624387
## Strength_vdif.W.PET	0.232979965	0.2104956446	0.3191589549
## SRE_align.W.PET	0.988084186	0.6596480321	0.9141559673
## LRE_align.W.PET	0.866209426	0.5580911686	0.7741804031
## GLNU_align.W.PET	0.249802673	0.1115497748	0.3181053231
## RLNU_align.W.PET	0.223474483	0.1160280513	0.2759209587
## RP_align.W.PET	0.983829864	0.6572319104	0.9110408253
## LGRE_align.W.PET	0.490580982	0.3687861091	0.4309848032
## HGRE_align.W.PET	0.270255208	0.1873171951	0.2470444167
## LGSRE_align.W.PET	0.524903472	0.4037221525	0.4677464553
## HGSRE_align.W.PET	0.266109259	0.1827472830	0.2428995440
## LGHRE_align.W.PET	0.333966709	0.2275786052	0.2706176710
## HGLRE_align.W.PET	0.286636256	0.2056819778	0.2632782956
## GLNU_norm_align.W.PET	0.507393026	0.4207813384	0.4158682678
## RLNU_norm_align.W.PET	0.964849042	0.6490355668	0.8972028269
## GLVAR_align.W.PET	0.266168891	0.2093362555	0.2567292668
## RLVAR_align.W.PET	0.355509863	0.3064441783	0.2844205953
## Entropy_align.W.PET	0.900731626	0.5969942164	0.8489531887
## SZSE.W.PET	0.936051293	0.6412858912	0.8814313008
## LZSE.W.PET	0.133281538	0.0786378417	0.0806198923
## LGLZE.W.PET	0.513633286	0.3975194785	0.4501108334
## HGLZE.W.PET	0.273512844	0.1873534833	0.2519779077
## SZLGE.W.PET	0.583088174	0.4875302936	0.5242501762
## SZHGE.W.PET	0.261518566	0.1733156303	0.2411054919
## LZLGE.W.PET	0.007495276	-0.0149378100	-0.0352884497
## LZHGE.W.PET	0.304973586	0.2572158436	0.2780311963
## GLNU_area.W.PET	0.259130356	0.1161174759	0.3325228855
## ZSNU.W.PET	0.213317630	0.1052731548	0.2597232070
## ZSP.W.PET	0.866473993	0.5936843744	0.8238337246

## GLNU_norm.W.PET	0.526578753	0.4371388536	0.4311545323
## ZSNU_norm.W.PET	0.862119465	0.5943234440	0.8186462762
## GLVAR_area.W.PET	0.269843595	0.2124066186	0.2597208965
## ZSVAR.W.PET	0.043370735	0.0344695850	0.0078966591
## Entropy_area.W.PET	0.937608494	0.6210202879	0.8792660506
## Min_hist.ADC	0.368642263	0.0775363682	0.1945168049
## Max_hist.ADC	0.854850053	0.6741131525	0.8920050173
## Mean_hist.ADC	0.862593446	0.5463855357	0.7973391595
## Variance_hist.ADC	0.412401539	0.4293943054	0.5064956866
## Standard_Deviation_hist.ADC	0.696839368	0.5530221993	0.7337777684
## Skewness_hist.ADC	0.229387985	0.2172397702	0.2556197080
## Kurtosis_hist.ADC	0.258562036	0.3475600501	0.3503178642
## Energy_hist.ADC	0.425459873	0.6874314891	0.3368743341
## Entropy_hist.ADC	0.930699184	0.6805044678	0.9289014669
## AUC_hist.ADC	0.964903988	0.6793832802	0.9195578999
## Volume.ADC	0.304655556	0.0618429152	0.3763953329
## X3D_surface.ADC	0.379519575	0.4748390792	0.5761004204
## ratio_3ds_vol.ADC	0.686721417	0.2814828670	0.4422806131
## ratio_3ds_vol_norm.ADC	0.925029200	0.5840607836	0.9022076843
## irregularity.ADC	0.972717098	0.5701741689	0.8189849692
## Compactness_v1.ADC	0.668250609	0.7792648395	0.5671012799
##	GLNU_area.H.ADC	ZSNU.H.ADC	ZSP.H.ADC
## Failure	-0.1687971898	-0.1704972719	0.017654408
## Entropy_cooc.W.ADC	0.2643003579	0.2647566833	0.001636504
## GLNU_align.H.PET	0.1666717072	0.1686867941	-0.056772398
## Min_hist.PET	0.2775851626	0.2815674256	0.528850701
## Max_hist.PET	0.3183249081	0.3223642050	0.537635839
## Mean_hist.PET	0.2915942259	0.2966545832	0.529028894
## Variance_hist.PET	0.1870708618	0.1922890346	0.263291307
## Standard_Deviation_hist.PET	0.2985644282	0.3040632007	0.534943973
## Skewness_hist.PET	0.2159148512	0.2118508005	0.524006234
## Kurtosis_hist.PET	0.0981779399	0.0911891267	0.128479962
## Energy_hist.PET	0.0747401663	0.0741394814	0.459920666
## Entropy_hist.PET	0.4139501083	0.4161688150	0.859756865
## AUC_hist.PET	0.3634404859	0.3658480182	0.991336713
## H_suv.PET	0.3249588216	0.3303543406	0.562195646
## Volume.PET	0.3534616359	0.3527581317	0.305082713
## X3D_surface.PET	0.2455312214	0.2482672376	0.207601686
## ratio_3ds_vol.PET	0.0439192298	0.0434017365	0.583702603
## ratio_3ds_vol_norm.PET	0.2607104299	0.2627216486	0.579821187
## irregularity.PET	0.2655994298	0.2678283888	0.968719944
## tumor_length.PET	0.3913435418	0.3953710930	0.584886491
## Compactness_v1.PET	0.1911751226	0.1921132036	0.562531659
## Compactness_v2.PET	0.1565837646	0.1598835757	0.227398144
## Spherical_disproportion.PET	0.2607104299	0.2627216486	0.579821187
## Sphericity.PET	0.1548665767	0.1575072613	0.225354317
## Asphericity.PET	0.2541546945	0.2561030857	0.557952991
## Center_of_mass.PET	0.3018240744	0.3034957943	0.356934695
## Max_3D_diam.PET	0.3304748037	0.3332249320	0.447841928
## Major_axis_length.PET	0.3492210451	0.3514667810	0.494378366
## Minor_axis_length.PET	0.4692354270	0.4731116132	0.640049127
## Least_axis_length.PET	0.4380290497	0.4422920544	0.538738017
## Elongation.PET	0.3254204851	0.3295587932	0.856407631
## Flatness.PET	0.3355752930	0.3403177412	0.790447594

## Max_cooc.L.PET	0.1117573096	0.1110431782	0.480934358
## Average_cooc.L.PET	0.1830190828	0.1878295546	0.823670528
## Variance_cooc.L.PET	0.0417220429	0.0440405277	0.663963940
## Entropy_cooc.L.PET	0.3642467563	0.3683858944	0.977736948
## DAVE_cooc.L.PET	0.1133366804	0.1159198742	0.771581116
## DVAR_cooc.L.PET	0.0469189326	0.0469442522	0.679197797
## DENT_cooc.L.PET	0.2912526096	0.2945067845	0.972661945
## SAVE_cooc.L.PET	0.1829537405	0.1877665201	0.823472219
## SVAR_cooc.L.PET	0.0649342522	0.0674328075	0.670337774
## SENT_cooc.L.PET	0.3068181126	0.3100501217	0.977606423
## ASM_cooc.L.PET	0.1170857797	0.1166442561	0.452249120
## Contrast_cooc.L.PET	-0.0007911492	0.0009295442	0.564386556
## Dissimilarity_cooc.L.PET	0.1133366804	0.1159198742	0.771581116
## Inv_diff_cooc.L.PET	0.3827624392	0.3842455642	0.840572418
## Inv_diff_norm_cooc.L.PET	0.3664875492	0.3693549061	0.988604358
## IDM_cooc.L.PET	0.3572716603	0.3579751233	0.750710350
## IDM_norm_cooc.L.PET	0.3582366272	0.3611757727	0.993392831
## Inv_var_cooc.L.PET	0.3752420839	0.3759685506	0.754151761
## Correlation_cooc.L.PET	0.3251232100	0.3283084581	0.648353314
## Autocorrelation_cooc.L.PET	0.0727988959	0.0770635214	0.622028749
## Tendency_cooc.L.PET	0.0649342522	0.0674328075	0.670337774
## Shade_cooc.L.PET	0.0811115314	0.0797327817	0.327156960
## Prominence_cooc.L.PET	-0.0148461819	-0.0143480694	0.478345853
## IC1_.L.PET	0.1534744139	0.1523956275	-0.376122750
## IC2_.L.PET	0.1789877169	0.1822867843	0.911529698
## Coarseness_vdif_.L.PET	0.0103870275	0.0096599288	0.498192240
## Contrast_vdif_.L.PET	-0.1047343063	-0.1048203360	0.250803854
## Busyness_vdif_.L.PET	0.3409355303	0.3410827834	0.292208923
## Complexity_vdif_.L.PET	0.1137695896	0.1153322852	0.728298549
## Strength_vdif_.L.PET	-0.1663771390	-0.1690231406	0.311338980
## SRE_align.L.PET	0.3402536937	0.3432172731	0.996862736
## LRE_align.L.PET	0.3576547377	0.3605674293	0.986382869
## GLNU_align.L.PET	0.2846142030	0.2850723777	0.237745485
## RLNU_align.L.PET	0.3024206807	0.3050709253	0.217221517
## RP_align.L.PET	0.3382471285	0.3412084979	0.996895868
## LGRE_align.L.PET	0.1713877144	0.1684622553	0.624042531
## HGRE_align.L.PET	0.0912772897	0.0958164967	0.643947216
## LGSRE_align.L.PET	0.1731286140	0.1702673927	0.629256195
## HGSRE_align.L.PET	0.0880787114	0.0925395668	0.642540738
## LGHRE_align.L.PET	0.1637078015	0.1605450742	0.600003196
## HGLRE_align.L.PET	0.1042627025	0.1091179197	0.647714262
## GLNU_norm_align.L.PET	0.1968703577	0.1954131015	0.680948310
## RLNU_norm_align.L.PET	0.3311160284	0.3340813623	0.996238375
## GLVAR_align.L.PET	0.0769207432	0.0800944473	0.690428230
## RLVAR_align.L.PET	0.2798502288	0.2806363282	0.638939289
## Entropy_align.L.PET	0.3579859775	0.3622138362	0.982982426
## SZSE.L.PET	0.3358791741	0.3387322272	0.974874087
## LZSE.L.PET	0.2499197302	0.2520328956	0.685699393
## LGLZE.L.PET	0.1752755568	0.1724449367	0.635802717
## HGLZE.L.PET	0.0924487303	0.0969953269	0.653356540
## SZLGE.L.PET	0.1808397882	0.1782406459	0.646272384
## SZHGE.L.PET	0.0917235465	0.0959925867	0.647634223
## LZLGE.L.PET	0.1419042723	0.1381428637	0.497398443
## LZHGE.L.PET	0.0832999184	0.0882450325	0.536551249

## GLNU_area.L.PET	0.2922232695	0.2929061232	0.239692776
## ZSNU.L.PET	0.3076725195	0.3103915225	0.218682992
## ZSP.L.PET	0.3286209475	0.3314480540	0.982430520
## GLNU_norm.L.PET	0.1991862915	0.1978455238	0.681494209
## ZSNU_norm.L.PET	0.3151399306	0.3179606359	0.985505584
## GLVAR_area.L.PET	0.0774609197	0.0807635518	0.701361269
## ZSVAR.L.PET	0.2259839289	0.2271079082	0.434642490
## Entropy_area.L.PET	0.3671571624	0.3713470749	0.982245089
## Max_cooc.H.PET	-0.0339620309	-0.0364827760	0.319923280
## Average_cooc.H.PET	0.2859525424	0.2878309213	0.972841955
## Variance_cooc.H.PET	0.3568880842	0.3620371713	0.853306741
## Entropy_cooc.H.PET	0.3074623452	0.3101353153	0.836389100
## DAVE_cooc.H.PET	0.3071949252	0.3105429831	0.879013904
## DVAR_cooc.H.PET	0.2843773833	0.2877423953	0.856096472
## DENT_cooc.H.PET	0.3764850872	0.3802996928	0.761322090
## SAVE_cooc.H.PET	0.3251170659	0.3272895082	0.977316633
## SVAR_cooc.H.PET	0.4321328978	0.4356759640	0.833454614
## SENT_cooc.H.PET	0.2744169718	0.2775213606	0.692134437
## ASM_cooc.H.PET	-0.0264486481	-0.0285582534	0.308335549
## Contrast_cooc.H.PET	0.2626967243	0.2660871843	0.787521371
## Dissimilarity_cooc.H.PET	0.3071949252	0.3105429831	0.879013904
## Inv_diff_cooc.H.PET	0.1536960387	0.1536112238	0.678059556
## Inv_diff_norm_cooc.H.PET	0.3413261452	0.3441314004	0.992677575
## IDM_cooc.H.PET	0.1035468575	0.1027959430	0.575171756
## IDM_norm_cooc.H.PET	0.3451101571	0.3479964190	0.995239104
## Inv_var_cooc.H.PET	0.2352221967	0.2363649056	0.598898710
## Correlation_cooc.H.PET	0.3237536107	0.3275527101	0.655294838
## Autocorrelation_cooc.H.PET	0.2334656989	0.2345553923	0.917179415
## Tendency_cooc.H.PET	0.3758608114	0.3814998123	0.812527828
## Shade_cooc.H.PET	-0.0695389765	-0.0737180531	-0.417204434
## Prominence_cooc.H.PET	0.3426453913	0.3492245807	0.597041856
## IC1_d.H.PET	-0.0737381707	-0.0768184433	-0.107390715
## IC2_d.H.PET	0.3411467947	0.3451213801	0.775564023
## Coarseness_vdif.H.PET	0.0957016521	0.0953659961	0.447881196
## Contrast_vdif.H.PET	-0.1014082920	-0.1029597901	0.303661552
## Busyness_vdif.H.PET	0.2277740495	0.2265232947	0.104824693
## Complexity_vdif.H.PET	0.1447168042	0.1459084876	0.669933607
## Strength_vdif.H.PET	-0.0985476554	-0.0997431349	0.038140646
## SRE_align.H.PET	0.3524818640	0.3558117768	0.969826577
## LRE_align.H.PET	0.1598001763	0.1595481535	0.639522031
## RLNU_align.H.PET	0.3006588232	0.3034954245	0.217462687
## RP_align.H.PET	0.3472354948	0.3505848901	0.958340343
## LGRE_align.H.PET	0.1333521527	0.1336843845	0.470290698
## HGRE_align.H.PET	0.2558718047	0.2570150410	0.922182235
## LGSRE_align.H.PET	0.1320001174	0.1323056243	0.467907544
## HGSRE_align.H.PET	0.2901269679	0.2917123255	0.965399445
## LGHRE_align.H.PET	0.1406359695	0.1411028417	0.483060579
## HGLRE_align.H.PET	0.0867870943	0.0868531450	0.442531264
## GLNU_norm_align.H.PET	0.0272644807	0.0250337801	0.522220350
## RLNU_norm_align.H.PET	0.3392598499	0.3428264627	0.908202458
## GLVAR_align.H.PET	0.3644272339	0.3697095058	0.819085518
## RLVAR_align.H.PET	0.0720189747	0.0719359660	0.285682115
## Entropy_align.H.PET	0.4102974936	0.4154255270	0.894680742
## SZSE.H.PET	0.3638978401	0.3679728673	0.850262105

## LZSE.H.PET	-0.0087121825	-0.0096655030	-0.062129383
## LGLZE.H.PET	0.1336476575	0.1340334391	0.470952835
## HGLZE.H.PET	0.2935540153	0.2948744092	0.861203383
## SZLGE.H.PET	0.1301559585	0.1304393548	0.464581251
## SZHGE.H.PET	0.3033444301	0.3055454814	0.825548344
## LZLGE.H.PET	0.0175789325	0.0166594613	0.001976338
## LZHGE.H.PET	-0.0335240005	-0.0345988527	-0.049871938
## GLNU_area.H.PET	0.3128174104	0.3135998909	0.249216476
## ZSNU.H.PET	0.2796620400	0.2829448015	0.191224833
## ZSP.H.PET	0.2978547779	0.3016210589	0.668511661
## GLNU_norm.H.PET	0.0154911715	0.0135431858	0.536436018
## ZSNU_norm.H.PET	0.3267122075	0.3309648446	0.720838187
## GLVAR_area.H.PET	0.3694744499	0.3747761445	0.797323944
## ZSVAR.H.PET	-0.0180674165	-0.0192999903	-0.058948401
## Entropy_area.H.PET	0.4123879464	0.4166808965	0.940761184
## Max_cooc.W.PET	-0.0006611058	-0.0026307296	0.362196807
## Average_cooc.W.PET	0.2874896769	0.2937465651	0.525768448
## Variance_cooc.W.PET	0.1728647558	0.1775978850	0.263063919
## Entropy_cooc.W.PET	0.3866965471	0.3915741090	0.852557388
## DAVE_cooc.W.PET	0.2508874026	0.2556980268	0.553130657
## DVAR_cooc.W.PET	0.1577587806	0.1622164347	0.299572659
## DENT_cooc.W.PET	0.3562277667	0.3605603169	0.838211620
## SAVE_cooc.W.PET	0.2873173905	0.2935761779	0.524984654
## SVAR_cooc.W.PET	0.1773344805	0.1819602586	0.235974258
## SENT_cooc.W.PET	0.3725799985	0.3768386522	0.892450435
## ASM_cooc.W.PET	0.0316504027	0.0301965343	0.398891152
## Contrast_cooc.W.PET	0.1455782783	0.1501700924	0.309947164
## Dissimilarity_cooc.W.PET	0.2508874026	0.2556980268	0.553130657
## Inv_diff_cooc.W.PET	0.1865355087	0.1866027150	0.756293902
## Inv_diff_norm_cooc.W.PET	0.3636723721	0.3665282653	0.989135468
## IDM_cooc.W.PET	0.1229531661	0.1223110129	0.624606170
## IDM_norm_cooc.W.PET	0.3570705109	0.3600080177	0.993611550
## Inv_var_cooc.W.PET	0.1600396963	0.1596191822	0.693198341
## Correlation_cooc.W.PET	0.3293946092	0.3326126328	0.647488507
## Autocorrelation_cooc.W.PET	0.1955464736	0.2016455980	0.261397667
## Tendency_cooc.W.PET	0.1773344805	0.1819602586	0.235974258
## Shade_cooc.W.PET	0.0637053591	0.0650354131	0.044700362
## Prominence_cooc.W.PET	0.0385943092	0.0405214017	0.014678457
## IC1_d.W.PET	-0.0389573649	-0.0421918795	-0.126268392
## IC2_d.W.PET	0.3117161492	0.3158394940	0.847097664
## Coarseness_vdif.W.PET	-0.0294284703	-0.0303782634	0.470039765
## Contrast_vdif.W.PET	0.1023001441	0.1058612739	0.494635750
## Busyness_vdif.W.PET	0.1098734873	0.1084193115	0.228059259
## Complexity_vdif.W.PET	0.1377911142	0.1413817853	0.170012996
## Strength_vdif.W.PET	-0.0466651091	-0.0486067723	0.246614190
## SRE_align.W.PET	0.3512252396	0.3543767517	0.989962485
## LRE_align.W.PET	0.2670635690	0.2689653980	0.866974811
## GLNU_align.W.PET	0.2919142481	0.2921462210	0.243541766
## RLNU_align.W.PET	0.3000369440	0.3027177962	0.217716020
## RP_align.W.PET	0.3506757893	0.3538603848	0.985770833
## LGRE_align.W.PET	0.0341077550	0.0311233829	0.502256453
## HGRE_align.W.PET	0.2025853643	0.2087897321	0.264470604
## LGSRE_align.W.PET	0.0464030634	0.0434325737	0.537942779
## HGSRE_align.W.PET	0.1981749933	0.2043041069	0.260378827

## LGHRE_align.W.PET	-0.0062087782	-0.0090283147	0.339679876
## HGLRE_align.W.PET	0.2195723834	0.2261001752	0.280644518
## GLNU_norm_align.W.PET	0.0303779532	0.0281726439	0.524799903
## RLNU_norm_align.W.PET	0.3509938264	0.3543436619	0.966692613
## GLVAR_align.W.PET	0.1877136130	0.1929160205	0.263004244
## RLVAR_align.W.PET	0.0722485652	0.0720199094	0.363606748
## Entropy_align.W.PET	0.4050421708	0.4100803904	0.897383363
## SZSE.W.PET	0.3622546021	0.3656783793	0.938038666
## LZSE.W.PET	-0.0358135748	-0.0370307697	0.132686688
## LGLZE.W.PET	0.0482986122	0.0455799258	0.526324680
## HGLZE.W.PET	0.1971593467	0.2032322508	0.267873478
## SZLGE.W.PET	0.0957507578	0.0934578613	0.599345312
## SZHGE.W.PET	0.1815016915	0.1873066023	0.256130281
## LZLGE.W.PET	-0.0608933685	-0.0626956154	0.003271076
## LZHGE.W.PET	0.2179640422	0.2246269600	0.302509148
## GLNU_area.W.PET	0.3098316779	0.3102956630	0.252871325
## ZSNU.W.PET	0.2927560690	0.2956635856	0.207337282
## ZSP.W.PET	0.3550765367	0.3587129020	0.867672497
## GLNU_norm.W.PET	0.0313433970	0.0292798356	0.544925202
## ZSNU_norm.W.PET	0.3487574125	0.3525351284	0.864044173
## GLVAR_area.W.PET	0.1850551711	0.1902714486	0.266813968
## ZSVAR.W.PET	-0.0542916919	-0.0557298773	0.042595973
## Entropy_area.W.PET	0.4073681235	0.4120115707	0.934391422
## Min_hist.ADC	-0.2908465584	-0.2918920920	0.368812911
## Max_hist.ADC	0.5436407387	0.5458053048	0.854509072
## Mean_hist.ADC	0.2298460096	0.2302993747	0.863656777
## Variance_hist.ADC	0.4642515046	0.4613728059	0.415932676
## Standard_Deviation_hist.ADC	0.4849527826	0.4844914730	0.699095791
## Skewness_hist.ADC	0.1409146595	0.1436086253	0.232738097
## Kurtosis_hist.ADC	0.1959256642	0.2005812858	0.263492511
## Energy_hist.ADC	0.0805409590	0.0800908230	0.472218208
## Entropy_hist.ADC	0.4965060814	0.5004017214	0.929795705
## AUC_hist.ADC	0.4021418916	0.4054333686	0.969504205
## Volume.ADC	0.3592658085	0.3587127990	0.291646508
## X3D_surface.ADC	0.8418165159	0.8427936072	0.376586819
## ratio_3ds_vol.ADC	-0.1902731386	-0.1919705746	0.698923511
## ratio_3ds_vol_norm.ADC	0.4134706907	0.4139256242	0.925174368
## irregularity.ADC	0.1723883570	0.1746682694	0.974098400
## Compactness_v1.ADC	0.1729521559	0.1749312541	0.705105811
##	GLNU_norm.H.ADC	ZSNU_norm.H.ADC	GLVAR_area.H.ADC
## Failure	0.04765631	0.027312019	0.0075632769
## Entropy_cooc.W.ADC	-0.01705213	-0.012055100	0.0134065954
## GLNU_align.H.PET	0.03587276	-0.064610156	-0.0561235711
## Min_hist.PET	0.20809486	0.526086199	0.5308610312
## Max_hist.PET	0.22517569	0.531141038	0.5419784737
## Mean_hist.PET	0.20517234	0.526130086	0.5318298145
## Variance_hist.PET	0.08896207	0.261845644	0.2625048182
## Standard_Deviation_hist.PET	0.24317315	0.530627832	0.5364675151
## Skewness_hist.PET	0.37720132	0.516374032	0.5218944515
## Kurtosis_hist.PET	0.16332541	0.116681084	0.1293639033
## Energy_hist.PET	0.96529245	0.465818932	0.4077336453
## Entropy_hist.PET	0.43342786	0.849484560	0.8704465054
## AUC_hist.PET	0.64825695	0.986522014	0.9891616170
## H_suv.PET	0.33809245	0.558776842	0.5590874939

## Volume.PET	-0.06994028	0.292308816	0.3335305212
## X3D_surface.PET	0.14094196	0.198721064	0.2118029680
## ratio_3ds_vol.PET	0.68554047	0.587927709	0.5594514352
## ratio_3ds_vol_norm.PET	0.68735077	0.577300528	0.5582268076
## irregularity.PET	0.61137949	0.965887075	0.9667958103
## tumor_length.PET	0.41278498	0.573993386	0.5864296527
## Compactness_v1.PET	0.93027092	0.565329927	0.5172085044
## Compactness_v2.PET	-0.18398201	0.224760675	0.2482414702
## Spherical_disproportion.PET	0.68735077	0.577300528	0.5582268076
## Sphericity.PET	-0.31349463	0.221328281	0.2570288660
## Asphericity.PET	0.68117201	0.555548874	0.5358600390
## Center_of_mass.PET	0.22583454	0.347581886	0.3619671403
## Max_3D_diam.PET	-0.04643347	0.439990687	0.4732313052
## Major_axis_length.PET	0.08416413	0.487920506	0.5115119245
## Minor_axis_length.PET	0.26427631	0.627442292	0.6552356166
## Least_axis_length.PET	0.13501696	0.527299337	0.5577113620
## Elongation.PET	0.61639668	0.850872468	0.8517140213
## Flatness.PET	0.51023743	0.785410578	0.7888088893
## Max_cooc.L.PET	0.98105987	0.484536428	0.4294765516
## Average_cooc.L.PET	0.48910605	0.826903190	0.8223403572
## Variance_cooc.L.PET	0.42042003	0.670608338	0.6577410497
## Entropy_cooc.L.PET	0.53877445	0.973039380	0.9820778859
## DAVE_cooc.L.PET	0.48131046	0.775586893	0.7671285829
## DVAR_cooc.L.PET	0.49535916	0.680988377	0.6708921276
## DENT_cooc.L.PET	0.57162329	0.970544906	0.9733315326
## SAVE_cooc.L.PET	0.48810584	0.826701226	0.8222072707
## SVAR_cooc.L.PET	0.40737552	0.676219659	0.6656747869
## SENT_cooc.L.PET	0.64647612	0.975603952	0.9735342003
## ASM_cooc.L.PET	0.97957925	0.455962729	0.3994942694
## Contrast_cooc.L.PET	0.38427670	0.571346868	0.5565400277
## Dissimilarity_cooc.L.PET	0.48131046	0.775586893	0.7671285829
## Inv_diff_cooc.L.PET	0.65457804	0.831676110	0.8339070323
## Inv_diff_norm_cooc.L.PET	0.61095973	0.982788223	0.9893650916
## IDM_cooc.L.PET	0.68388842	0.741682799	0.7384617504
## IDM_norm_cooc.L.PET	0.61030174	0.988073089	0.9941300462
## Inv_var_cooc.L.PET	0.68255477	0.744425872	0.7427936189
## Correlation_cooc.L.PET	0.41000049	0.642561377	0.6497734521
## Autocorrelation_cooc.L.PET	0.39325768	0.628580176	0.6184167116
## Tendency_cooc.L.PET	0.40737552	0.676219659	0.6656747869
## Shade_cooc.L.PET	0.16692549	0.328894185	0.3233894543
## Prominence_cooc.L.PET	0.30969629	0.486342605	0.4709698003
## IC1_.L.PET	-0.02567564	-0.385803736	-0.3862528745
## IC2_.L.PET	0.65113986	0.914976904	0.9006572388
## Coarseness_vdif_.L.PET	0.91772536	0.505723358	0.4511381433
## Contrast_vdif_.L.PET	0.23984574	0.260689476	0.2398644138
## Busyness_vdif_.L.PET	0.02560470	0.279026517	0.3116870649
## Complexity_vdif_.L.PET	0.52874389	0.731405804	0.7187926997
## Strength_vdif_.L.PET	0.32778174	0.319510303	0.2980397056
## SRE_align.L.PET	0.61717990	0.992503562	0.9967390859
## LRE_align.L.PET	0.59832247	0.980751071	0.9877541426
## GLNU_align.L.PET	0.02263781	0.225703097	0.2542756454
## RLNU_align.L.PET	-0.03135010	0.207794135	0.2350168715
## RP_align.L.PET	0.61734987	0.992656308	0.9966771469
## LGRE_align.L.PET	0.71828779	0.620613538	0.5989550930

## HGRE_align.L.PET	0.40854899	0.650605651	0.6402635767
## LGSRE_align.L.PET	0.72870671	0.626004953	0.6035111262
## HGSRE_align.L.PET	0.40941863	0.649247487	0.6387332325
## LGHRE_align.L.PET	0.67480460	0.595889823	0.5775430066
## HGLRE_align.L.PET	0.40350293	0.654161577	0.6445341658
## GLNU_norm_align.L.PET	0.94097631	0.679589258	0.6433925437
## RLNU_norm_align.L.PET	0.61847268	0.992400705	0.9956424925
## GLVAR_align.L.PET	0.43178723	0.696721266	0.6847873594
## RLVAR_align.L.PET	0.86360904	0.634851253	0.6065372062
## Entropy_align.L.PET	0.55238060	0.978795678	0.9865713124
## SZSE.L.PET	0.61738683	0.970420996	0.9743729045
## LZSE.L.PET	0.38746048	0.681049943	0.6874997925
## LGLZE.L.PET	0.73193702	0.632260978	0.6106641700
## HGLZE.L.PET	0.41250892	0.659856994	0.6498576177
## SZLGE.L.PET	0.76196885	0.643145643	0.6196206727
## SZHGE.L.PET	0.41772136	0.653545207	0.6442082611
## LZLGE.L.PET	0.52957652	0.491663807	0.4813145524
## LZHGE.L.PET	0.30760560	0.543727163	0.5331931522
## GLNU_area.L.PET	0.01690322	0.227772390	0.2567836592
## ZSNU.L.PET	-0.03982989	0.209305961	0.2373402435
## ZSP.L.PET	0.61679472	0.978539018	0.9818521150
## GLNU_norm.L.PET	0.94436245	0.680195638	0.6436669219
## ZSNU_norm.L.PET	0.61837146	0.982327001	0.9842621396
## GLVAR_area.L.PET	0.44097590	0.707549200	0.6956608383
## ZSVAR.L.PET	0.38900404	0.426564126	0.4283475743
## Entropy_area.L.PET	0.55007253	0.977433560	0.9862624345
## Max_cooc.H.PET	0.42451294	0.325069458	0.3034039807
## Average_cooc.H.PET	0.58564179	0.969354265	0.9742284179
## Variance_cooc.H.PET	0.46349064	0.847612612	0.8584366616
## Entropy_cooc.H.PET	0.41621759	0.835031905	0.8385877633
## DAVE_cooc.H.PET	0.49803649	0.874693100	0.8816239943
## DVAR_cooc.H.PET	0.50329693	0.852078392	0.8580004824
## DENT_cooc.H.PET	0.34286791	0.751726481	0.7745794446
## SAVE_cooc.H.PET	0.57039569	0.973021256	0.9805151656
## SVAR_cooc.H.PET	0.46766942	0.824522141	0.8402877479
## SENT_cooc.H.PET	0.67277737	0.688869734	0.6727218537
## ASM_cooc.H.PET	0.50385532	0.315099022	0.2849963238
## Contrast_cooc.H.PET	0.45183767	0.784795346	0.7886054675
## Dissimilarity_cooc.H.PET	0.49803649	0.874693100	0.8816239943
## Inv_diff_cooc.H.PET	0.55243090	0.678440882	0.6696455581
## Inv_diff_norm_cooc.H.PET	0.62251062	0.988205615	0.9922122666
## IDM_cooc.H.PET	0.50684386	0.576570922	0.5656697203
## IDM_norm_cooc.H.PET	0.61639123	0.990566445	0.9953167231
## Inv_var_cooc_.H.PET	0.91381490	0.599493725	0.5567583806
## Correlation_cooc.H.PET	0.41230294	0.649236769	0.6568022930
## Autocorrelation_cooc.H.PET	0.57181553	0.914974514	0.9172391658
## Tendency_cooc.H.PET	0.42822017	0.805738571	0.8193930192
## Shade_cooc.H.PET	-0.23994130	-0.415469305	-0.4216276372
## Prominence_cooc.H.PET	0.28165260	0.590841363	0.6052431962
## IC1_d.H.PET	0.31200613	-0.108190615	-0.1328851183
## IC2_d.H.PET	0.48258512	0.772110315	0.7739916725
## Coarseness_vdif.H.PET	0.97459893	0.452965384	0.3944009624
## Contrast_vdif.H.PET	0.29945285	0.307667473	0.2999894301
## Busyness_vdif.H.PET	-0.32851505	0.095431145	0.1412005749

## Complexity_vdif.H.PET	0.73468861	0.670740079	0.6450691960
## Strength_vdif.H.PET	0.10686488	0.047922260	0.0280735155
## SRE_align.H.PET	0.59018649	0.964668144	0.9700857589
## LRE_align.H.PET	0.41447086	0.638742575	0.6385082627
## RLNU_align.H.PET	-0.02105949	0.208471434	0.2338714438
## RP_align.H.PET	0.58321003	0.953329912	0.9583796617
## LGRE_align.H.PET	0.97901142	0.474241786	0.4176183308
## HGRE_align.H.PET	0.56811091	0.919929248	0.9232471015
## LGSRE_align.H.PET	0.97867433	0.471887699	0.4151359436
## HGSRE_align.H.PET	0.57630097	0.961807910	0.9676201359
## LGHRE_align.H.PET	0.98098034	0.486873887	0.4309107450
## HGLRE_align.H.PET	0.30880115	0.444102719	0.4396708689
## GLNU_norm_align.H.PET	0.50746131	0.525457654	0.5097080049
## RLNU_norm_align.H.PET	0.54833038	0.903269517	0.9078036200
## GLVAR_align.H.PET	0.43618721	0.813066975	0.8246514949
## RLVAR_align.H.PET	0.24720898	0.286413269	0.2806025524
## Entropy_align.H.PET	0.46746659	0.888116844	0.8997441320
## SZSE.H.PET	0.50996385	0.842942352	0.8506911208
## LZSE.H.PET	-0.06906909	-0.063014636	-0.0599772045
## LGLZE.H.PET	0.97755730	0.474870001	0.4183660363
## HGLZE.H.PET	0.50026392	0.853026747	0.8676266891
## SZLGE.H.PET	0.97691941	0.468490729	0.4117534065
## SZHGE.H.PET	0.45967950	0.818526663	0.8295331440
## LZLGE.H.PET	0.06433005	0.001407145	-0.0025267574
## LZHGE.H.PET	-0.02954180	-0.048847365	-0.0510825871
## GLNU_area.H.PET	-0.02707315	0.236911051	0.2711915618
## ZSNU.H.PET	-0.03364801	0.184088395	0.2054556695
## ZSP.H.PET	0.37258323	0.662104265	0.6696151232
## GLNU_norm.H.PET	0.51539036	0.540142489	0.5231433411
## ZSNU_norm.H.PET	0.42343665	0.714562435	0.7194272819
## GLVAR_area.H.PET	0.42159026	0.790705721	0.8030593133
## ZSVAR.H.PET	-0.04771274	-0.059691658	-0.0580489885
## Entropy_area.H.PET	0.51387211	0.933968148	0.9461859278
## Max_cooc.W.PET	0.63311317	0.369260501	0.3309897378
## Average_cooc.W.PET	0.21669990	0.522707073	0.5287921497
## Variance_cooc.W.PET	0.09692893	0.261420818	0.2616673394
## Entropy_cooc.W.PET	0.43240834	0.846038161	0.8578289936
## DAVE_cooc.W.PET	0.25107337	0.550308871	0.5536233726
## DVAR_cooc.W.PET	0.10225270	0.299503267	0.2973716802
## DENT_cooc.W.PET	0.44143165	0.832228019	0.8413886433
## SAVE_cooc.W.PET	0.21474216	0.521914285	0.5281186894
## SVAR_cooc.W.PET	0.09077708	0.233597568	0.2349486868
## SENT_cooc.W.PET	0.55193713	0.886768174	0.8909148837
## ASM_cooc.W.PET	0.79831119	0.405865135	0.3570956434
## Contrast_cooc.W.PET	0.10314816	0.310366478	0.3077712464
## Dissimilarity_cooc.W.PET	0.25107337	0.550308871	0.5536233726
## Inv_diff_cooc.W.PET	0.58482799	0.755520511	0.7501457949
## Inv_diff_norm_cooc.W.PET	0.61276780	0.983456677	0.9897415638
## IDM_cooc.W.PET	0.52826405	0.625313388	0.6166301264
## IDM_norm_cooc.W.PET	0.61116415	0.988346283	0.9942772625
## Inv_var_cooc.W.PET	0.57294317	0.692718886	0.6856046787
## Correlation_cooc.W.PET	0.40809990	0.641558620	0.6489070324
## Autocorrelation_cooc.W.PET	0.06126193	0.261002769	0.2625891290
## Tendency_cooc.W.PET	0.09077708	0.233597568	0.2349486868

## Shade_cooc.W.PET	0.04988498	0.042973935	0.0405829015
## Prominence_cooc.W.PET	0.01858668	0.014270518	0.0111232684
## IC1_d.W.PET	0.36551125	-0.127353868	-0.1543801885
## IC2_d.W.PET	0.54816624	0.845809103	0.8410887569
## Coarseness_vdif.W.PET	0.84595238	0.479412263	0.4271689894
## Contrast_vdif.W.PET	0.34790890	0.496742070	0.4828387556
## Busyness_vdif.W.PET	-0.02458808	0.225578080	0.2419527369
## Complexity_vdif.W.PET	0.06321586	0.168426155	0.1681295721
## Strength_vdif.W.PET	0.22489687	0.242617337	0.2369850432
## SRE_align.W.PET	0.60641334	0.985005900	0.9901955927
## LRE_align.W.PET	0.54744067	0.864507089	0.8664503001
## GLNU_align.W.PET	-0.02317763	0.231448778	0.2646019205
## RLNU_align.W.PET	-0.02211247	0.208455596	0.2345762596
## RP_align.W.PET	0.60280063	0.980813681	0.9859814613
## LGRE_align.W.PET	0.48533853	0.504486562	0.4891549148
## HGRE_align.W.PET	0.05533686	0.264297944	0.2660084633
## LGSRE_align.W.PET	0.52011344	0.539720845	0.5239479220
## HGSRE_align.W.PET	0.05316461	0.260290364	0.2617853746
## LGHRE_align.W.PET	0.32978811	0.343191480	0.3302026527
## HGLRE_align.W.PET	0.06385101	0.280158978	0.2826725128
## GLNU_norm_align.W.PET	0.59744239	0.528854860	0.5053593129
## RLNU_norm_align.W.PET	0.58667372	0.961621481	0.9667667492
## GLVAR_align.W.PET	0.08698619	0.261539208	0.2623706619
## RLVAR_align.W.PET	0.38931456	0.365391213	0.3515892876
## Entropy_align.W.PET	0.46853703	0.890872002	0.9025797900
## SZSE.W.PET	0.57842763	0.931665975	0.9387430082
## LZSE.W.PET	0.11587511	0.135528478	0.1283243900
## LGLZE.W.PET	0.51208352	0.527518747	0.5126119978
## HGLZE.W.PET	0.05738448	0.267577073	0.2693390006
## SZLGE.W.PET	0.60283462	0.598650737	0.5829732076
## SZHGE.W.PET	0.05205935	0.255901183	0.2573018133
## LZLGE.W.PET	0.01704646	0.006740753	0.0005449406
## LZHGE.W.PET	0.10627439	0.302926794	0.3024399893
## GLNU_area.W.PET	-0.02251362	0.240301116	0.2748300406
## ZSNU.W.PET	-0.02515194	0.198805995	0.2232051974
## ZSP.W.PET	0.51263869	0.861189429	0.8690622252
## GLNU_norm.W.PET	0.61755071	0.548707350	0.5248765499
## ZSNU_norm.W.PET	0.51607115	0.857818566	0.8644321440
## GLVAR_area.W.PET	0.09239376	0.265233268	0.2660143882
## ZSVAR.W.PET	0.06497543	0.044438017	0.0385919049
## Entropy_area.W.PET	0.49991337	0.927968125	0.9394944012
## Min_hist.ADC	0.24937426	0.385893455	0.3570133308
## Max_hist.ADC	0.49531091	0.839276521	0.8648381953
## Mean_hist.ADC	0.49823517	0.858566309	0.8681129342
## Variance_hist.ADC	0.32707525	0.396454731	0.4232318798
## Standard_Deviation_hist.ADC	0.46005096	0.682262911	0.7070674848
## Skewness_hist.ADC	0.16278953	0.239755261	0.2236777605
## Kurtosis_hist.ADC	0.15263519	0.264068701	0.2612438288
## Energy_hist.ADC	0.97927541	0.480153569	0.4175934404
## Entropy_hist.ADC	0.53086003	0.914829346	0.9388516966
## AUC_hist.ADC	0.61518636	0.963962737	0.9696798576
## Volume.ADC	-0.07814538	0.278145360	0.3213559676
## X3D_surface.ADC	0.16416548	0.352318801	0.3979549824
## ratio_3ds_vol.ADC	0.56576772	0.721661478	0.6739389930

## ratio_3ds_vol_norm.ADC	0.51284877	0.914395553	0.9347083305
## irregularity.ADC	0.61259253	0.978753311	0.9682854970
## Compactness_v1.ADC	0.97944163	0.709854480	0.6614604711
##	ZSVAR.H.ADC	Entropy_area.H.ADC	Max_cooc.W.ADC
## Failure	-0.1123716055	-0.017771978	0.0572123709
## Entropy_cooc.W.ADC	0.2324546762	0.049762527	-0.0290245795
## GLNU_align.H.PET	0.1296374641	-0.029582498	0.0501971765
## Min_hist.PET	0.2745140048	0.538907348	0.1012627639
## Max_hist.PET	0.3362280292	0.560466639	0.1163734069
## Mean_hist.PET	0.2729177309	0.540436654	0.0979061689
## Variance_hist.PET	0.1430861128	0.270399951	0.0318484949
## Standard_Deviation_hist.PET	0.3083690513	0.548723610	0.1395785785
## Skewness_hist.PET	0.3899035146	0.539641367	0.2950274231
## Kurtosis_hist.PET	0.2898556577	0.164161613	0.1424000028
## Energy_hist.PET	0.3402911765	0.397658052	0.9819692322
## Entropy_hist.PET	0.4474275594	0.884600238	0.2750538444
## AUC_hist.PET	0.5282479451	0.990713191	0.4910142386
## H_suv.PET	0.3075689200	0.566837879	0.2399855000
## Volume.PET	0.2398796866	0.361796604	-0.1586030685
## X3D_surface.PET	0.2332076189	0.237736053	0.1035725071
## ratio_3ds_vol.PET	0.3295070709	0.541758319	0.6368473204
## ratio_3ds_vol_norm.PET	0.4736279742	0.568010524	0.6341570318
## irregularity.PET	0.4639918142	0.960007837	0.4567340602
## tumor_length.PET	0.4694609639	0.615316508	0.3189428413
## Compactness_v1.PET	0.3820359857	0.515223588	0.9154180432
## Compactness_v2.PET	0.0323638073	0.252412598	-0.2637360690
## Spherical_disproportion.PET	0.4736279742	0.568010524	0.6341570318
## Sphericity.PET	-0.0074080485	0.259873367	-0.4106824721
## Asphericity.PET	0.4661196233	0.545831252	0.6324785362
## Center_of_mass.PET	0.3122068981	0.384069211	0.1659326322
## Max_3D_diam.PET	0.2360348651	0.490819732	-0.1667329190
## Major_axis_length.PET	0.2821245860	0.527795327	-0.0297398451
## Minor_axis_length.PET	0.4280922131	0.683837047	0.1355463173
## Least_axis_length.PET	0.3731330602	0.586583086	0.0140475453
## Elongation.PET	0.4213972590	0.852139648	0.4869249709
## Flatness.PET	0.4247329147	0.795298893	0.3816771691
## Max_cooc.L.PET	0.3820705876	0.426138014	0.9928820377
## Average_cooc.L.PET	0.2894935785	0.798147392	0.3572669855
## Variance_cooc.L.PET	0.1963052255	0.625894805	0.3223454608
## Entropy_cooc.L.PET	0.4637407391	0.981072475	0.3711567363
## DAVE_cooc.L.PET	0.2523794464	0.740000682	0.3627219085
## DVAR_cooc.L.PET	0.2760973688	0.652188139	0.4002244766
## DENT_cooc.L.PET	0.4360213293	0.963734761	0.4113248699
## SAVE_cooc.L.PET	0.2891760315	0.798008430	0.3561850812
## SVAR_cooc.L.PET	0.2247673309	0.637366914	0.3056191905
## SENT_cooc.L.PET	0.4718751577	0.965961819	0.4942719277
## ASM_cooc.L.PET	0.3668376720	0.396759568	0.9982454337
## Contrast_cooc.L.PET	0.1245844109	0.523359336	0.3052358095
## Dissimilarity_cooc.L.PET	0.2523794464	0.740000682	0.3627219085
## Inv_diff_cooc.L.PET	0.5575273828	0.853383558	0.5301241731
## Inv_diff_norm_cooc.L.PET	0.5211829704	0.993173637	0.4485768167
## IDM_cooc.L.PET	0.5475580250	0.761134130	0.5843811545
## IDM_norm_cooc.L.PET	0.5128164232	0.996032317	0.4471306744
## Inv_var_cooc.L.PET	0.5553542754	0.766880909	0.5819938890

## Correlation_cooc.L.PET	0.4286583073	0.663348879	0.3044323838
## Autocorrelation_cooc.L.PET	0.1671734978	0.586665733	0.2995165927
## Tendency_cooc.L.PET	0.2247673309	0.637366914	0.3056191905
## Shade_cooc.L.PET	0.1640812658	0.320032928	0.1139977611
## Prominence_cooc.L.PET	0.1449464071	0.442269757	0.2426072735
## IC1_.L.PET	0.0122062773	-0.344478125	0.0522664404
## IC2_.L.PET	0.3808730584	0.879209442	0.5201843963
## Coarseness_vdif_.L.PET	0.3040767662	0.430817310	0.9205572016
## Contrast_vdif_.L.PET	0.0111047837	0.208589838	0.2174146368
## Busyness_vdif_.L.PET	0.2698740007	0.343445405	-0.0491485246
## Complexity_vdif_.L.PET	0.2778756172	0.697218004	0.4251754879
## Strength_vdif_.L.PET	0.1339616189	0.270885085	0.3001765219
## SRE_align.L.PET	0.4983555327	0.995267308	0.4549207429
## LRE_align.L.PET	0.5128966154	0.990762529	0.4350438459
## GLNU_align.L.PET	0.2548503924	0.285869363	-0.0380066411
## RLNU_align.L.PET	0.1861209230	0.259254219	-0.0928620073
## RP_align.L.PET	0.4962872536	0.994824894	0.4551888619
## LGRE_align.L.PET	0.5222374134	0.613523090	0.6573937640
## HGRE_align.L.PET	0.1683621634	0.607493071	0.3113106779
## LGSRE_align.L.PET	0.5245226786	0.617703999	0.6679897814
## HGSRE_align.L.PET	0.1672518169	0.605724042	0.3127439946
## LGHRE_align.L.PET	0.5101906920	0.593499464	0.6137608783
## HGLRE_align.L.PET	0.1725598698	0.612874323	0.3042557987
## GLNU_norm_align.L.PET	0.4981377102	0.648364341	0.8964209294
## RLNU_norm_align.L.PET	0.4892009989	0.992514993	0.4569418929
## GLVAR_align.L.PET	0.2108670559	0.654299295	0.3280282224
## RLVAR_align.L.PET	0.5039811763	0.621638677	0.8174012343
## Entropy_align.L.PET	0.4663452239	0.984197790	0.3854565025
## SZSE.L.PET	0.4954782434	0.972928819	0.4605431371
## LZSE.L.PET	0.3618402100	0.694012619	0.2688574698
## LGLZE.L.PET	0.5255173033	0.625004667	0.6701793865
## HGLZE.L.PET	0.1741457595	0.617419305	0.3136530522
## SZLGE.L.PET	0.5278391023	0.632488086	0.7020692275
## SZHGE.L.PET	0.1830976064	0.613032559	0.3209760575
## LZLGE.L.PET	0.4598029461	0.501956866	0.4732954980
## LZHGE.L.PET	0.1100561554	0.504138941	0.2219055361
## GLNU_area.L.PET	0.2488959039	0.287638308	-0.0449033307
## ZSNU.L.PET	0.1794554942	0.260743060	-0.1028981464
## ZSP.L.PET	0.4860133733	0.978377736	0.4584838558
## GLNU_norm.L.PET	0.4951890042	0.648457890	0.9002205900
## ZSNU_norm.L.PET	0.4762937330	0.978539190	0.4599081083
## GLVAR_area.L.PET	0.2156358302	0.665211511	0.3359046468
## ZSVAR.L.PET	0.3724355268	0.452876206	0.3273509636
## Entropy_area.L.PET	0.4773330750	0.986135253	0.3825812565
## Max_cooc.H.PET	0.1312313875	0.285573791	0.4091027845
## Average_cooc.H.PET	0.4644424400	0.968779358	0.4267052208
## Variance_cooc.H.PET	0.4313784473	0.861537580	0.3126515087
## Entropy_cooc.H.PET	0.3918096704	0.838938593	0.2682101509
## DAVE_cooc.H.PET	0.4056230593	0.878763872	0.3469945720
## DVAR_cooc.H.PET	0.3767201939	0.852241729	0.3580098045
## DENT_cooc.H.PET	0.4400679348	0.789551582	0.1969644573
## SAVE_cooc.H.PET	0.4877188158	0.978215789	0.4075326460
## SVAR_cooc.H.PET	0.4926559525	0.853737785	0.3201366801
## SENT_cooc.H.PET	0.4662318029	0.680835509	0.5897666300

## ASM_cooc.H.PET	0.1236839110	0.264096697	0.5014643862
## Contrast_cooc.H.PET	0.3286513428	0.781511454	0.3170370000
## Dissimilarity_cooc.H.PET	0.4056230593	0.878763872	0.3469945720
## Inv_diff_cooc.H.PET	0.3219093675	0.659144543	0.4636374933
## Inv_diff_norm_cooc.H.PET	0.5059114125	0.991805836	0.4620970225
## IDM_cooc.H.PET	0.2617537907	0.553177664	0.4377763369
## IDM_norm_cooc.H.PET	0.5067772916	0.995262898	0.4543323647
## Inv_var_cooc_.H.PET	0.4588003003	0.562172787	0.8856444734
## Correlation_cooc.H.PET	0.4473857769	0.671498744	0.3049673045
## Autocorrelation_cooc.H.PET	0.4276980310	0.908443856	0.4260577259
## Tendency_cooc.H.PET	0.4482689999	0.827724458	0.2821923264
## Shade_cooc.H.PET	-0.1782692971	-0.415872668	-0.1682190911
## Prominence_cooc.H.PET	0.3385705184	0.615823436	0.1676862476
## IC1_d.H.PET	0.0123079910	-0.131833472	0.3762216350
## IC2_d.H.PET	0.4717245380	0.782870120	0.3560108525
## Coarseness_vdif.H.PET	0.3497573385	0.388053674	0.9946219262
## Contrast_vdif.H.PET	0.0367564792	0.267582102	0.2690156942
## Busyness_vdif.H.PET	0.0519601156	0.156932591	-0.4024843813
## Complexity_vdif.H.PET	0.3601088493	0.635749172	0.6680269433
## Strength_vdif.H.PET	-0.0511742849	0.004564973	0.1183531316
## SRE_align.H.PET	0.5012253581	0.972001988	0.4295504268
## LRE_align.H.PET	0.2888277256	0.632006861	0.3176640257
## RLNU_align.H.PET	0.1844335619	0.257272885	-0.0812097063
## RP_align.H.PET	0.4942651662	0.959950810	0.4243219754
## LGRE_align.H.PET	0.3647813276	0.414558796	0.9932798109
## HGRE_align.H.PET	0.4242643139	0.913855383	0.4202213647
## LGSRE_align.H.PET	0.3637174872	0.412040576	0.9934904310
## HGSRE_align.H.PET	0.4635002293	0.961599424	0.4174229618
## LGHRE_align.H.PET	0.3701155498	0.428018301	0.9923959037
## HGLRE_align.H.PET	0.1675684381	0.429251436	0.2466239399
## GLNU_norm_align.H.PET	0.2116821341	0.490902580	0.4527394661
## RLNU_norm_align.H.PET	0.4740870123	0.910656006	0.3965599495
## GLVAR_align.H.PET	0.4218481001	0.829985954	0.2894232624
## RLVAR_align.H.PET	0.1256603276	0.277254328	0.2146469245
## Entropy_align.H.PET	0.4806400933	0.909886175	0.3072356838
## SZSE.H.PET	0.4870204748	0.862064438	0.3648321834
## LZSE.H.PET	-0.0086555411	-0.055250555	-0.0598419578
## LGLZE.H.PET	0.3643337284	0.415396452	0.9914521383
## HGLZE.H.PET	0.4537821565	0.872596868	0.3536602234
## SZLGE.H.PET	0.3623251926	0.408847677	0.9922998950
## SZHGE.H.PET	0.4691583071	0.838521181	0.3150369074
## LZLGE.H.PET	0.0685230242	0.002846585	0.0758387419
## LZHGE.H.PET	-0.0310693312	-0.051430428	-0.0166593585
## GLNU_area.H.PET	0.2287372127	0.299754411	-0.0971164251
## ZSNU.H.PET	0.1419843243	0.224291096	-0.0886415901
## ZSP.H.PET	0.3811357210	0.679705433	0.2530719612
## GLNU_norm.H.PET	0.2007726175	0.502490287	0.4588819674
## ZSNU_norm.H.PET	0.4202060073	0.731488019	0.2973481907
## GLVAR_area.H.PET	0.4094784594	0.810073684	0.2769858508
## ZSVAR_H.PET	0.0004621029	-0.053870380	-0.0358250039
## Entropy_area.H.PET	0.5039742093	0.955100266	0.3493991235
## Max_cooc.W.PET	0.1853862856	0.312287150	0.6343619848
## Average_cooc.W.PET	0.2721473842	0.537484232	0.1124338012
## Variance_cooc.W.PET	0.1456781351	0.269316988	0.0410334447

## Entropy_cooc.W.PET	0.4535897895	0.867548246	0.2775812605
## DAVE_cooc.W.PET	0.2736375840	0.559356472	0.1451808762
## DVAR_cooc.W.PET	0.1252005416	0.300612912	0.0383100151
## DENT_cooc.W.PET	0.4464029755	0.849823276	0.2914043162
## SAVE_cooc.W.PET	0.2714777669	0.536819566	0.1104079720
## SVAR_cooc.W.PET	0.1523214011	0.244818837	0.0405820465
## SENT_cooc.W.PET	0.4997217991	0.899182717	0.4035441520
## ASM_cooc.W.PET	0.2442403223	0.340725097	0.8106334258
## Contrast_cooc.W.PET	0.1148252682	0.308927905	0.0372912508
## Dissimilarity_cooc.W.PET	0.2736375840	0.559356472	0.1451808762
## Inv_diff_cooc.W.PET	0.3593324430	0.739825855	0.4804752977
## Inv_diff_norm_cooc.W.PET	0.5201713380	0.993169762	0.4506014227
## IDM_cooc.W.PET	0.2837501174	0.603761173	0.4494716582
## IDM_norm_cooc.W.PET	0.5127147577	0.996048307	0.4480893210
## Inv_var_cooc.W.PET	0.3310813218	0.674920293	0.4825394306
## Correlation_cooc.W.PET	0.4323170516	0.663193337	0.3022843502
## Autocorrelation_cooc.W.PET	0.1245705081	0.268896166	0.0012981850
## Tendency_cooc.W.PET	0.1523214011	0.244818837	0.0405820465
## Shade_cooc.W.PET	0.0511784044	0.046513519	0.0428822343
## Prominence_cooc.W.PET	0.0075785836	0.013722089	0.0152903524
## IC1_d.W.PET	0.0157068086	-0.151259490	0.4416622588
## IC2_d.W.PET	0.4702138524	0.843109107	0.4138694683
## Coarseness_vdif.W.PET	0.2505538960	0.399777391	0.8476969643
## Contrast_vdif.W.PET	0.2120236438	0.475198336	0.2721232070
## Busyness_vdif.W.PET	0.0531195442	0.243264159	-0.0797646271
## Complexity_vdif.W.PET	0.1059267779	0.177341961	0.0248253234
## Strength_vdif.W.PET	0.2784293150	0.250009627	0.1878644277
## SRE_align.W.PET	0.5059178311	0.991024572	0.4436251497
## LRE_align.W.PET	0.4082613657	0.861130491	0.4102169676
## GLNU_align.W.PET	0.2307744431	0.294104004	-0.0912025498
## RLNU_align.W.PET	0.1881080244	0.258618079	-0.0824490782
## RP_align.W.PET	0.5041508627	0.986863017	0.4404093463
## LGRE_align.W.PET	0.2551436404	0.477518747	0.4315647406
## HGRE_align.W.PET	0.1185537661	0.271722298	-0.0062993452
## LGSRE_align.W.PET	0.2832735532	0.513340769	0.4617409394
## HGSRE_align.W.PET	0.1151798846	0.267245079	-0.0077059651
## LGHRE_align.W.PET	0.1421888075	0.316934601	0.2967081512
## HGLRE_align.W.PET	0.1317918627	0.289420390	-0.0007902942
## GLNU_norm_align.W.PET	0.2369205498	0.486624123	0.5537013202
## RLNU_norm_align.W.PET	0.4991668259	0.968789723	0.4264323362
## GLVAR_align.W.PET	0.1434657145	0.270375549	0.0296658907
## RLVAR_align.W.PET	0.1700125921	0.344656185	0.3565833105
## Entropy_align.W.PET	0.4759549848	0.911845033	0.3078393412
## SZSE.W.PET	0.5068807934	0.943858799	0.4230297037
## LZSE.W.PET	0.0169579713	0.119570857	0.1057955824
## LGLZE.W.PET	0.2640705357	0.502414738	0.4557119745
## HGLZE.W.PET	0.1220082588	0.275192371	-0.0047884115
## SZLGE.W.PET	0.3282869567	0.576732566	0.5390155225
## SZHGE.W.PET	0.1136819718	0.262620334	-0.0079322972
## LZLGE.W.PET	-0.0429435065	-0.008102526	0.0247893620
## LZHGE.W.PET	0.1499710523	0.308968177	0.0447609291
## GLNU_area.W.PET	0.2372055644	0.304706904	-0.0931524512
## ZSNU.W.PET	0.1697717997	0.245136553	-0.0831994273
## ZSP.W.PET	0.4742672971	0.876102760	0.3642575386

## GLNU_norm.W.PET	0.2419803757	0.505847122	0.5713684847
## ZSNU_norm.W.PET	0.4695504890	0.871051720	0.3692913891
## GLVAR_area.W.PET	0.1452405669	0.274147697	0.0348840125
## ZSVAR.W.PET	-0.0076718458	0.033452650	0.0697147605
## Entropy_area.W.PET	0.4936555256	0.948003115	0.3351988013
## Min_hist.ADC	-0.0901156706	0.302051290	0.2131842157
## Max_hist.ADC	0.6322136941	0.897807686	0.3410899752
## Mean_hist.ADC	0.4173879742	0.866091126	0.3536291069
## Variance_hist.ADC	0.4807489838	0.468779930	0.2518677712
## Standard_Deviation_hist.ADC	0.5413172594	0.740035094	0.3357442813
## Skewness_hist.ADC	0.2074697529	0.222305623	0.1296343745
## Kurtosis_hist.ADC	0.3387691427	0.278477098	0.1158816080
## Energy_hist.ADC	0.3212667131	0.404364859	0.9965168025
## Entropy_hist.ADC	0.5989320276	0.966659828	0.3642766840
## AUC_hist.ADC	0.5477090091	0.975297919	0.4566446998
## Volume.ADC	0.2380914396	0.350481895	-0.1652964328
## X3D_surface.ADC	0.6230179525	0.470030899	0.0765153636
## ratio_3ds_vol.ADC	0.0099389664	0.602977571	0.4879646726
## ratio_3ds_vol_norm.ADC	0.5294804378	0.948063859	0.3510683433
## irregularity.ADC	0.3553469042	0.942078131	0.4622212334
## Compactness_v1.ADC	0.4198937823	0.651162739	0.9381241388
##	Average_cooc.W.ADC	Variance_cooc.W.ADC	
## Failure	-0.196931904	-0.096386571	
## Entropy_cooc.W.ADC	0.200896643	0.280327446	
## GLNU_align.H.PET	0.081160446	0.151193451	
## Min_hist.PET	0.350423084	0.180922466	
## Max_hist.PET	0.389719502	0.237997284	
## Mean_hist.PET	0.341066724	0.173995974	
## Variance_hist.PET	0.131141521	0.085701362	
## Standard_Deviation_hist.PET	0.365276968	0.184772893	
## Skewness_hist.PET	0.502521841	0.404139331	
## Kurtosis_hist.PET	0.234259861	0.328002901	
## Energy_hist.PET	0.215890498	0.229437781	
## Entropy_hist.PET	0.708900702	0.545283897	
## AUC_hist.PET	0.698967146	0.449011849	
## H_suv.PET	0.386553991	0.198362377	
## Volume.PET	0.252707555	0.266188377	
## X3D_surface.PET	0.255435179	0.297787590	
## ratio_3ds_vol.PET	0.350503613	0.184047212	
## ratio_3ds_vol_norm.PET	0.426104559	0.316192723	
## irregularity.PET	0.661442716	0.404698243	
## tumor_length.PET	0.509210152	0.429671022	
## Compactness_v1.PET	0.289801806	0.299752000	
## Compactness_v2.PET	0.126981886	0.070120887	
## Spherical_disproportion.PET	0.426104559	0.316192723	
## Sphericity.PET	0.159171488	0.077954552	
## Asphericity.PET	0.411000094	0.308045062	
## Center_of_mass.PET	0.334366821	0.336921134	
## Max_3D_diam.PET	0.369463220	0.287903321	
## Major_axis_length.PET	0.372790751	0.341741175	
## Minor_axis_length.PET	0.555740239	0.399821513	
## Least_axis_length.PET	0.474457501	0.335469871	
## Elongation.PET	0.640730968	0.317012340	
## Flatness.PET	0.585610442	0.271595205	

## Max_cooc.L.PET	0.244720473	0.272906803
## Average_cooc.L.PET	0.452176260	0.204712951
## Variance_cooc.L.PET	0.332134022	0.102006053
## Entropy_cooc.L.PET	0.679808938	0.396142434
## DAVE_cooc.L.PET	0.454683602	0.187996917
## DVAR_cooc.L.PET	0.396731491	0.147845815
## DENT_cooc.L.PET	0.651281309	0.363218268
## SAVE_cooc.L.PET	0.452100267	0.204491835
## SVAR_cooc.L.PET	0.321620646	0.108390144
## SENT_cooc.L.PET	0.657101787	0.375415236
## ASM_cooc.L.PET	0.228106987	0.259646369
## Contrast_cooc.L.PET	0.304084910	0.078067542
## Dissimilarity_cooc.L.PET	0.454683602	0.187996917
## Inv_diff_cooc.L.PET	0.649551126	0.494263030
## Inv_diff_norm_cooc.L.PET	0.705664787	0.451407728
## IDM_cooc.L.PET	0.593550856	0.485843937
## IDM_norm_cooc.L.PET	0.701969155	0.441931363
## Inv_var_cooc.L.PET	0.600515114	0.493417956
## Correlation_cooc.L.PET	0.456243934	0.333210885
## Autocorrelation_cooc.L.PET	0.262770168	0.081168750
## Tendency_cooc.L.PET	0.321620646	0.108390144
## Shade_cooc.L.PET	0.200653708	0.098435703
## Prominence_cooc.L.PET	0.181139193	0.028271809
## IC1_.L.PET	-0.134503062	0.025116931
## IC2_.L.PET	0.558395039	0.318838081
## Coarseness_vdif_.L.PET	0.200534863	0.193583505
## Contrast_vdif_.L.PET	0.127431249	-0.007027888
## Busyness_vdif_.L.PET	0.346703023	0.325979286
## Complexity_vdif_.L.PET	0.472044670	0.212561412
## Strength_vdif_.L.PET	0.110339446	0.021418649
## SRE_align.L.PET	0.692442861	0.425947805
## LRE_align.L.PET	0.708525456	0.443686894
## GLNU_align.L.PET	0.277585675	0.276809068
## RLNU_align.L.PET	0.243438961	0.238601219
## RP_align.L.PET	0.691570569	0.424012512
## LGRE_align.L.PET	0.494001880	0.403242542
## HGRE_align.L.PET	0.287058093	0.088947613
## LGSRE_align.L.PET	0.494519629	0.402948118
## HGSRE_align.L.PET	0.285148132	0.087651533
## LGHRE_align.L.PET	0.488513109	0.401538260
## HGLRE_align.L.PET	0.294730361	0.094117363
## GLNU_norm_align.L.PET	0.452449095	0.404110937
## RLNU_norm_align.L.PET	0.687337014	0.416970164
## GLVAR_align.L.PET	0.349564221	0.113491459
## RLVAR_align.L.PET	0.449979898	0.406274348
## Entropy_align.L.PET	0.674779444	0.393655950
## SZSE.L.PET	0.659210501	0.419973287
## LZSE.L.PET	0.564091981	0.318281708
## LGLZE.L.PET	0.500964920	0.403516441
## HGLZE.L.PET	0.295745808	0.090145969
## SZLGE.L.PET	0.492000869	0.398760056
## SZHGE.L.PET	0.286127007	0.095100154
## LZLGE.L.PET	0.460019203	0.387528259
## LZHGE.L.PET	0.272198259	0.054045171

## GLNU_area.L.PET	0.275078671	0.279389358
## ZSNU.L.PET	0.238477161	0.239095023
## ZSP.L.PET	0.662351561	0.414366517
## GLNU_norm.L.PET	0.452497495	0.404365778
## ZSNU_norm.L.PET	0.664096519	0.403987460
## GLVAR_area.L.PET	0.356513007	0.115953722
## ZSVAR.L.PET	0.422118888	0.306687780
## Entropy_area.L.PET	0.683565685	0.401528588
## Max_cooc.H.PET	0.114147884	0.216949261
## Average_cooc.H.PET	0.666702307	0.433919655
## Variance_cooc.H.PET	0.598545675	0.293517846
## Entropy_cooc.H.PET	0.531182371	0.238449428
## DAVE_cooc.H.PET	0.627375496	0.316427224
## DVAR_cooc.H.PET	0.565406994	0.318277583
## DENT_cooc.H.PET	0.704139408	0.456025187
## SAVE_cooc.H.PET	0.702104369	0.463266539
## SVAR_cooc.H.PET	0.651124344	0.431999860
## SENT_cooc.H.PET	0.505947349	0.255248953
## ASM_cooc.H.PET	0.078139310	0.207323526
## Contrast_cooc.H.PET	0.541657581	0.260065370
## Dissimilarity_cooc.H.PET	0.627375496	0.316427224
## Inv_diff_cooc.H.PET	0.411547416	0.378118763
## Inv_diff_norm_cooc.H.PET	0.690052683	0.440528745
## IDM_cooc.H.PET	0.332887742	0.340714228
## IDM_norm_cooc.H.PET	0.696133991	0.436023475
## Inv_var_cooc_.H.PET	0.372000805	0.318758310
## Correlation_cooc.H.PET	0.457031130	0.304531379
## Autocorrelation_cooc.H.PET	0.608718507	0.422816803
## Tendency_cooc.H.PET	0.575759314	0.285322662
## Shade_cooc.H.PET	-0.290184674	-0.076708916
## Prominence_cooc.H.PET	0.433116483	0.176058800
## IC1_d.H.PET	-0.108208113	-0.049206104
## IC2_d.H.PET	0.548757228	0.351891815
## Coarseness_vdif.H.PET	0.211916771	0.235117633
## Contrast_vdif.H.PET	0.051948379	0.125583847
## Busyness_vdif.H.PET	0.178238287	0.112362121
## Complexity_vdif.H.PET	0.457684534	0.249056506
## Strength_vdif.H.PET	-0.082701249	-0.065994511
## SRE_align.H.PET	0.690477738	0.393072860
## LRE_align.H.PET	0.429381717	0.402999062
## RLNU_align.H.PET	0.218209338	0.233702044
## RP_align.H.PET	0.679885301	0.380789445
## LGRE_align.H.PET	0.224601102	0.251655291
## HGRE_align.H.PET	0.610904231	0.426359607
## LGSRE_align.H.PET	0.222810896	0.250775423
## HGSRE_align.H.PET	0.665466991	0.417060695
## LGHRE_align.H.PET	0.235203350	0.258156249
## HGLRE_align.H.PET	0.259041964	0.299316261
## GLNU_norm_align.H.PET	0.276410140	0.306740098
## RLNU_norm_align.H.PET	0.651913881	0.344853186
## GLVAR_align.H.PET	0.584577902	0.287987957
## RLVAR_align.H.PET	0.190519556	0.270121064
## Entropy_align.H.PET	0.648044126	0.372334723
## SZSE.H.PET	0.631643605	0.353363548

## LZSE.H.PET	-0.003177673	0.110319007
## LGLZE.H.PET	0.223331238	0.250229468
## HGLZE.H.PET	0.699101151	0.527065776
## SZLGE.H.PET	0.218394162	0.249306500
## SZHGE.H.PET	0.646112135	0.390631249
## LZLGE.H.PET	0.024771036	0.135757396
## LZHGE.H.PET	-0.031713839	0.090838576
## GLNU_area.H.PET	0.295684181	0.259646388
## ZSNU.H.PET	0.149879597	0.211556755
## ZSP.H.PET	0.489228513	0.239665792
## GLNU_norm.H.PET	0.260862781	0.273664733
## ZSNU_norm.H.PET	0.538797000	0.270841841
## GLVAR_area.H.PET	0.584227923	0.302925532
## ZSVAR_H.PET	-0.014514866	0.107347958
## Entropy_area.H.PET	0.693763979	0.424416077
## Max_cooc.W.PET	0.119326400	0.203917843
## Average_cooc.W.PET	0.325918025	0.162301074
## Variance_cooc.W.PET	0.135297670	0.081852052
## Entropy_cooc.W.PET	0.624686358	0.329558650
## DAVE_cooc.W.PET	0.373472722	0.161233999
## DVAR_cooc.W.PET	0.160934832	0.079196158
## DENT_cooc.W.PET	0.614377917	0.316042996
## SAVE_cooc.W.PET	0.325550700	0.161826678
## SVAR_cooc.W.PET	0.119551915	0.084720827
## SENT_cooc.W.PET	0.651472569	0.352230167
## ASM_cooc.W.PET	0.137355213	0.234635197
## Contrast_cooc.W.PET	0.164172357	0.066717140
## Dissimilarity_cooc.W.PET	0.373472722	0.161233999
## Inv_diff_cooc.W.PET	0.485818943	0.397280125
## Inv_diff_norm_cooc.W.PET	0.704836282	0.451190874
## IDM_cooc.W.PET	0.376097909	0.354023553
## IDM_norm_cooc.W.PET	0.702251907	0.441750636
## Inv_var_cooc.W.PET	0.441339379	0.381970647
## Correlation_cooc.W.PET	0.457564657	0.332787708
## Autocorrelation_cooc.W.PET	0.098340200	0.075290667
## Tendency_cooc.W.PET	0.119551915	0.084720827
## Shade_cooc.W.PET	0.026780406	0.042116495
## Prominence_cooc.W.PET	-0.015727650	0.028506363
## IC1_d.W.PET	-0.122471515	-0.020481954
## IC2_d.W.PET	0.588040518	0.360813491
## Coarseness_vdif.W.PET	0.168799163	0.155388052
## Contrast_vdif.W.PET	0.278231881	0.073782882
## Busyness_vdif.W.PET	0.181394347	0.239160221
## Complexity_vdif.W.PET	0.077380898	0.101502738
## Strength_vdif.W.PET	0.179627572	0.086440105
## SRE_align.W.PET	0.698885731	0.415723626
## LRE_align.W.PET	0.585885866	0.432190525
## GLNU_align.W.PET	0.336072953	0.292200846
## RLNU_align.W.PET	0.230517290	0.236047962
## RP_align.W.PET	0.696346947	0.408982335
## LGRE_align.W.PET	0.310866813	0.322086080
## HGRE_align.W.PET	0.105023862	0.076456447
## LGSRE_align.W.PET	0.344601179	0.334814658
## HGSRE_align.W.PET	0.101161774	0.074187154

## LGHRE_align.W.PET	0.177268537	0.264979107	
## HGLRE_align.W.PET	0.121445481	0.085515766	
## GLNU_norm_align.W.PET	0.267366450	0.303662363	
## RLNU_norm_align.W.PET	0.689843486	0.390261469	
## GLVAR_align.W.PET	0.132036665	0.086031997	
## RLVAR_align.W.PET	0.208505247	0.285239775	
## Entropy_align.W.PET	0.650966792	0.366675080	
## SZSE.W.PET	0.668886239	0.396162203	
## LZSE.W.PET	0.046253529	0.118755654	
## LGLZE.W.PET	0.326884005	0.330269085	
## HGLZE.W.PET	0.109189946	0.076440213	
## SZLGE.W.PET	0.400165025	0.361799727	
## SZHGE.W.PET	0.096955403	0.071522130	
## LZLGE.W.PET	-0.039878226	0.090305580	
## LZHGE.W.PET	0.180115438	0.063513697	
## GLNU_area.W.PET	0.326494595	0.285056524	
## ZSNU.W.PET	0.194485915	0.227935164	
## ZSP.W.PET	0.634587060	0.354981953	
## GLNU_norm.W.PET	0.268918092	0.302783214	
## ZSNU_norm.W.PET	0.638373976	0.342213985	
## GLVAR_area.W.PET	0.138274043	0.087204330	
## ZSVAR.W.PET	-0.003857144	0.092722959	
## Entropy_area.W.PET	0.679323716	0.401953358	
## Min_hist.ADC	-0.182757934	-0.287069848	
## Max_hist.ADC	0.795047460	0.668866783	
## Mean_hist.ADC	0.721406781	0.383189083	
## Variance_hist.ADC	0.611677290	0.995853811	
## Standard_Deviation_hist.ADC	0.749183141	0.920321704	
## Skewness_hist.ADC	-0.220738557	-0.031417979	
## Kurtosis_hist.ADC	0.239963559	-0.179722941	
## Energy_hist.ADC	0.196898351	0.221801096	
## Entropy_hist.ADC	0.775467992	0.546615855	
## AUC_hist.ADC	0.649135305	0.427398819	
## Volume.ADC	0.258869254	0.262364624	
## X3D_surface.ADC	0.515097979	0.559520342	
## ratio_3ds_vol.ADC	0.237497926	0.072443089	
## ratio_3ds_vol_norm.ADC	0.712123606	0.469834932	
## irregularity.ADC	0.585966095	0.340415723	
## Compactness_v1.ADC	0.386813628	0.310874094	
##	DAVE_cooc.W.ADC	DVAR_cooc.W.ADC	DENT_cooc.W.ADC
## Failure	-0.06138802	-0.073172041	-0.025527071
## Entropy_cooc.W.ADC	0.18929496	0.284400418	0.081496281
## GLNU_align.H.PET	0.04122421	0.107282032	-0.027984906
## Min_hist.PET	0.39804517	0.210836158	0.526663128
## Max_hist.PET	0.42043248	0.258172626	0.543348496
## Mean_hist.PET	0.39169092	0.211545560	0.524737625
## Variance_hist.PET	0.20170774	0.132839408	0.262768550
## Standard_Deviation_hist.PET	0.38967165	0.228840373	0.528449181
## Skewness_hist.PET	0.47972068	0.368240150	0.547837009
## Kurtosis_hist.PET	0.20538508	0.233919346	0.175322350
## Energy_hist.PET	0.38466567	0.292099517	0.418577556
## Entropy_hist.PET	0.76041313	0.533487388	0.894431692
## AUC_hist.PET	0.76997456	0.468550064	0.976783028
## H_suv.PET	0.40928170	0.249437621	0.549252699

## Volume.PET	0.25259173	0.172138603	0.334409392
## X3D_surface.PET	0.26689110	0.270016542	0.240007693
## ratio_3ds_vol.PET	0.43450100	0.277707033	0.547808114
## ratio_3ds_vol_norm.PET	0.47691786	0.378202637	0.565276610
## irregularity.PET	0.74769045	0.444466694	0.951370557
## tumor_length.PET	0.52527830	0.424438633	0.603919312
## Compactness_v1.PET	0.45880190	0.330165806	0.524510218
## Compactness_v2.PET	0.14254625	0.021354771	0.226427823
## Spherical_disproportion.PET	0.47691786	0.378202637	0.565276610
## Sphericity.PET	0.14495034	0.009979004	0.235887523
## Asphericity.PET	0.46074979	0.370413407	0.543612047
## Center_of_mass.PET	0.36370999	0.331389874	0.382062456
## Max_3D_diam.PET	0.37619882	0.236866187	0.472995111
## Major_axis_length.PET	0.44131942	0.313014730	0.519387167
## Minor_axis_length.PET	0.52113359	0.355275224	0.657491385
## Least_axis_length.PET	0.43213235	0.277044318	0.555632387
## Elongation.PET	0.62665648	0.340870959	0.831667521
## Flatness.PET	0.55351819	0.260656338	0.761186466
## Max_cooc.L.PET	0.40914853	0.323803797	0.444170634
## Average_cooc.L.PET	0.56425095	0.270591620	0.779065977
## Variance_cooc.L.PET	0.42007371	0.167955557	0.612065926
## Entropy_cooc.L.PET	0.73059497	0.423826155	0.958858758
## DAVE_cooc.L.PET	0.53205694	0.252296479	0.729190636
## DVAR_cooc.L.PET	0.44236743	0.200775824	0.632468665
## DENT_cooc.L.PET	0.72070191	0.404298654	0.946624275
## SAVE_cooc.L.PET	0.56402609	0.270330357	0.778896523
## SVAR_cooc.L.PET	0.41453703	0.166498598	0.617557108
## SENT_cooc.L.PET	0.72980483	0.424250855	0.950867234
## ASM_cooc.L.PET	0.38592658	0.311870447	0.415144540
## Contrast_cooc.L.PET	0.37224149	0.147581210	0.520883776
## Dissimilarity_cooc.L.PET	0.53205694	0.252296479	0.729190636
## Inv_diff_cooc.L.PET	0.70861010	0.486372945	0.846207258
## Inv_diff_norm_cooc.L.PET	0.77018551	0.469829846	0.977434788
## IDM_cooc.L.PET	0.65565938	0.472237224	0.759067705
## IDM_norm_cooc.L.PET	0.76834309	0.463575784	0.979888593
## Inv_var_cooc.L.PET	0.65789202	0.480746382	0.764017468
## Correlation_cooc.L.PET	0.50654211	0.330368094	0.644772681
## Autocorrelation_cooc.L.PET	0.38811133	0.149393529	0.569303838
## Tendency_cooc.L.PET	0.41453703	0.166498598	0.617557108
## Shade_cooc.L.PET	0.20367874	0.121244385	0.311847087
## Prominence_cooc.L.PET	0.26069390	0.082219379	0.425934396
## IC1_.L.PET	-0.24813020	-0.045853395	-0.348065638
## IC2_.L.PET	0.69393455	0.396447790	0.877582348
## Coarseness_vdif_.L.PET	0.39548546	0.270233166	0.450572267
## Contrast_vdif_.L.PET	0.17958930	0.040085935	0.224441964
## Busyness_vdif_.L.PET	0.28382634	0.240632074	0.326812063
## Complexity_vdif_.L.PET	0.53359829	0.281527488	0.695306304
## Strength_vdif_.L.PET	0.21686725	0.070568002	0.282543618
## SRE_align.L.PET	0.76346103	0.453406601	0.979427134
## LRE_align.L.PET	0.76768872	0.463277183	0.974992034
## GLNU_align.L.PET	0.24275921	0.213540550	0.268277036
## RLNU_align.L.PET	0.22665166	0.195567473	0.246338220
## RP_align.L.PET	0.76279826	0.452296597	0.979091682
## LGRE_align.L.PET	0.54198157	0.396841538	0.620514894

## HGRE_align.L.PET	0.40870307	0.161891077	0.591917122
## LGSRE_align.L.PET	0.54497548	0.398396584	0.624697462
## HGSRE_align.L.PET	0.40713756	0.160751009	0.590286022
## LGHRE_align.L.PET	0.52692536	0.388049202	0.600429761
## HGLRE_align.L.PET	0.41414055	0.166590267	0.596872411
## GLNU_norm_align.L.PET	0.58101589	0.426185888	0.660900973
## RLNU_norm_align.L.PET	0.75961677	0.448134411	0.977068479
## GLVAR_align.L.PET	0.43940279	0.180420225	0.637980917
## RLVAR_align.L.PET	0.55647876	0.419891634	0.626712369
## Entropy_align.L.PET	0.73630238	0.425520386	0.962954776
## SZSE.L.PET	0.74305335	0.442047266	0.956619844
## LZSE.L.PET	0.55665703	0.343393307	0.686672924
## LGLZE.L.PET	0.54777714	0.396948841	0.630782502
## HGLZE.L.PET	0.41286834	0.163187438	0.601022763
## SZLGE.L.PET	0.55019166	0.394651611	0.637608558
## SZHGE.L.PET	0.40646634	0.162124210	0.595927128
## LZLGE.L.PET	0.46890416	0.366418388	0.512424013
## LZHGE.L.PET	0.35179175	0.136645459	0.494146077
## GLNU_area.L.PET	0.24540944	0.215223471	0.270621527
## ZSNU.L.PET	0.22643124	0.192992828	0.247953703
## ZSP.L.PET	0.74670878	0.440037141	0.962875151
## GLNU_norm.L.PET	0.58182275	0.426923873	0.661253485
## ZSNU_norm.L.PET	0.74852337	0.436110105	0.965075126
## GLVAR_area.L.PET	0.44590480	0.184028675	0.648404439
## ZSVAR.L.PET	0.40501246	0.307980657	0.451455353
## Entropy_area.L.PET	0.73784625	0.430567381	0.963829465
## Max_cooc.H.PET	0.28661030	0.219258934	0.300639321
## Average_cooc.H.PET	0.75522978	0.451970799	0.957098228
## Variance_cooc.H.PET	0.62027181	0.336924723	0.835618624
## Entropy_cooc.H.PET	0.54990076	0.263647530	0.797682074
## DAVE_cooc.H.PET	0.64868796	0.357184872	0.860544449
## DVAR_cooc.H.PET	0.63726677	0.362875652	0.836196015
## DENT_cooc.H.PET	0.67850383	0.443503777	0.798687915
## SAVE_cooc.H.PET	0.77642704	0.474714039	0.970315411
## SVAR_cooc.H.PET	0.69525605	0.438516735	0.848479490
## SENT_cooc.H.PET	0.51739686	0.339461375	0.669625242
## ASM_cooc.H.PET	0.27552281	0.216046419	0.282646286
## Contrast_cooc.H.PET	0.57301280	0.306823391	0.765992118
## Dissimilarity_cooc.H.PET	0.64868796	0.357184872	0.860544449
## Inv_diff_cooc.H.PET	0.56492401	0.378448328	0.663896620
## Inv_diff_norm_cooc.H.PET	0.76785986	0.463230987	0.977003923
## IDM_cooc.H.PET	0.49015391	0.336852347	0.561779047
## IDM_norm_cooc.H.PET	0.76712574	0.459730761	0.979633401
## Inv_var_cooc.H.PET	0.49624983	0.384738960	0.573399252
## Correlation_cooc.H.PET	0.49977155	0.306240473	0.648295914
## Autocorrelation_cooc.H.PET	0.71914504	0.435745183	0.900721492
## Tendency_cooc.H.PET	0.59031836	0.323032283	0.798501033
## Shade_cooc.H.PET	-0.29405221	-0.119872947	-0.399936179
## Prominence_cooc.H.PET	0.42156221	0.215074472	0.587359236
## IC1_d.H.PET	-0.09096609	-0.022237849	-0.123016287
## IC2_d.H.PET	0.60411351	0.374076875	0.766709217
## Coarseness_vdif.H.PET	0.37309229	0.293858980	0.406554500
## Contrast_vdif.H.PET	0.26942743	0.183516686	0.283972194
## Busyness_vdif.H.PET	0.05735951	0.001760160	0.131913835

## Complexity_vdif.H.PET	0.52267278	0.346111832	0.642423162
## Strength_vdif.H.PET	-0.01981205	-0.058776860	0.006476337
## SRE_align.H.PET	0.73235107	0.426215262	0.953186853
## LRE_align.H.PET	0.56116442	0.395569626	0.639444644
## RLNU_align.H.PET	0.22613297	0.199758862	0.244589008
## RP_align.H.PET	0.72108462	0.416341365	0.941190664
## LGRE_align.H.PET	0.39090083	0.309389831	0.430190649
## HGRE_align.H.PET	0.72429843	0.438122342	0.906864073
## LGSRE_align.H.PET	0.38915825	0.308519977	0.427806248
## HGSRE_align.H.PET	0.74460532	0.437266997	0.950431753
## LGHRE_align.H.PET	0.40138877	0.315491500	0.443211508
## HGLRE_align.H.PET	0.39678348	0.291078588	0.437881725
## GLNU_norm_align.H.PET	0.44589220	0.305675618	0.504914795
## RLNU_norm_align.H.PET	0.67634145	0.385622273	0.891256109
## GLVAR_align.H.PET	0.60122587	0.331716642	0.805564564
## RLVAR_align.H.PET	0.29585513	0.249966367	0.290685720
## Entropy_align.H.PET	0.67594930	0.400604617	0.885430720
## SZSE.H.PET	0.64327251	0.385236359	0.842737642
## LZSE.H.PET	0.03585729	0.074189850	-0.035041501
## LGLZE.H.PET	0.39028139	0.308299305	0.430587742
## HGLZE.H.PET	0.74948236	0.512327833	0.882558903
## SZLGE.H.PET	0.38599615	0.306715316	0.424373449
## SZHGE.H.PET	0.65367332	0.398745998	0.829989081
## LZLGE.H.PET	0.08649533	0.114655690	0.021133362
## LZHGE.H.PET	0.02573880	0.071853347	-0.037425812
## GLNU_area.H.PET	0.23357984	0.189314973	0.278731885
## ZSNU.H.PET	0.20926918	0.188754592	0.216164092
## ZSP.H.PET	0.48410789	0.270702906	0.660320409
## GLNU_norm.H.PET	0.43263812	0.286597057	0.508664455
## ZSNU_norm.H.PET	0.53619544	0.309251373	0.713772348
## GLVAR_area.H.PET	0.60439215	0.344727152	0.791666209
## ZSVAR.H.PET	0.03445187	0.081379431	-0.037335458
## Entropy_area.H.PET	0.72571482	0.439812685	0.933918299
## Max_cooc.W.PET	0.30129093	0.226016407	0.327056615
## Average_cooc.W.PET	0.37620047	0.209932056	0.516308173
## Variance_cooc.W.PET	0.19704580	0.125330425	0.261143842
## Entropy_cooc.W.PET	0.63166101	0.362411262	0.842012366
## DAVE_cooc.W.PET	0.38905531	0.208221108	0.539680122
## DVAR_cooc.W.PET	0.22113839	0.128948976	0.293813031
## DENT_cooc.W.PET	0.61791424	0.352396918	0.825888954
## SAVE_cooc.W.PET	0.37551864	0.209355693	0.515601191
## SVAR_cooc.W.PET	0.18140537	0.124165096	0.236977992
## SENT_cooc.W.PET	0.66768687	0.397172914	0.878180528
## ASM_cooc.W.PET	0.33989893	0.268811917	0.360504853
## Contrast_cooc.W.PET	0.21992999	0.116806027	0.300591494
## Dissimilarity_cooc.W.PET	0.38905531	0.208221108	0.539680122
## Inv_diff_cooc.W.PET	0.62035808	0.399819879	0.742265325
## Inv_diff_norm_cooc.W.PET	0.77088473	0.470264051	0.977728338
## IDM_cooc.W.PET	0.52706768	0.351488843	0.611480872
## IDM_norm_cooc.W.PET	0.76881080	0.463838138	0.980088469
## Inv_var_cooc.W.PET	0.58032862	0.385287460	0.681550041
## Correlation_cooc.W.PET	0.50494391	0.328543247	0.644198357
## Autocorrelation_cooc.W.PET	0.19780870	0.127440757	0.260204777
## Tendency_cooc.W.PET	0.18140537	0.124165096	0.236977992

## Shade_cooc.W.PET	0.05396407	0.061533722	0.050931032
## Prominence_cooc.W.PET	0.03829801	0.057253748	0.022283227
## IC1_d.W.PET	-0.09306604	-0.009493774	-0.140769220
## IC2_d.W.PET	0.65767591	0.403388009	0.831297294
## Coarseness_vdif.W.PET	0.37071439	0.233502290	0.421851200
## Contrast_vdif.W.PET	0.31465748	0.132020157	0.460974374
## Busyness_vdif.W.PET	0.20710758	0.160526128	0.238180719
## Complexity_vdif.W.PET	0.16437297	0.137147841	0.178751418
## Strength_vdif.W.PET	0.18070384	0.099614410	0.246065453
## SRE_align.W.PET	0.75452043	0.445288950	0.973566565
## LRE_align.W.PET	0.69681715	0.440456825	0.855239592
## GLNU_align.W.PET	0.25020154	0.205739884	0.280081898
## RLNU_align.W.PET	0.22614951	0.198082465	0.245459762
## RP_align.W.PET	0.74922696	0.439919762	0.969147641
## LGRE_align.W.PET	0.44153901	0.311920091	0.491935762
## HGRE_align.W.PET	0.20274244	0.130286921	0.263932047
## LGSRE_align.W.PET	0.46847064	0.328247587	0.527134792
## HGSRE_align.W.PET	0.19957058	0.128207547	0.259766753
## LGHRE_align.W.PET	0.32050605	0.241296851	0.333706318
## HGLRE_align.W.PET	0.21560578	0.138955283	0.280424596
## GLNU_norm_align.W.PET	0.44569881	0.310538167	0.502255039
## RLNU_norm_align.W.PET	0.72973895	0.425425644	0.950114404
## GLVAR_align.W.PET	0.20188330	0.133280024	0.262722022
## RLVAR_align.W.PET	0.34557925	0.276146446	0.357547108
## Entropy_align.W.PET	0.67566506	0.396280081	0.887295934
## SZSE.W.PET	0.71276022	0.424321279	0.925049180
## LZSE.W.PET	0.13148978	0.126434361	0.122480571
## LGLZE.W.PET	0.45773549	0.327712495	0.513938253
## HGLZE.W.PET	0.20393816	0.129184682	0.267039973
## SZLGE.W.PET	0.51393642	0.371736640	0.586192402
## SZHGE.W.PET	0.19452606	0.121762428	0.255183806
## LZLGE.W.PET	0.04524959	0.061782699	0.004789041
## LZHGE.W.PET	0.21539917	0.141623225	0.291258330
## GLNU_area.W.PET	0.24847035	0.202675306	0.287085567
## ZSNU.W.PET	0.21946811	0.195981829	0.233799144
## ZSP.W.PET	0.65698731	0.383123192	0.858947522
## GLNU_norm.W.PET	0.45648913	0.317134270	0.519286468
## ZSNU_norm.W.PET	0.65239167	0.381595504	0.853600091
## GLVAR_area.W.PET	0.20449907	0.135283218	0.266367092
## ZSVAR.W.PET	0.06747757	0.100565228	0.036649597
## Entropy_area.W.PET	0.71201445	0.424500737	0.924742313
## Min_hist.ADC	-0.02032138	-0.239312286	0.247163841
## Max_hist.ADC	0.82361871	0.650037895	0.911988890
## Mean_hist.ADC	0.66872886	0.413891447	0.859310770
## Variance_hist.ADC	0.83736238	0.930327484	0.580203039
## Standard_Deviation_hist.ADC	0.94208977	0.881744072	0.824884593
## Skewness_hist.ADC	0.01855288	-0.031748084	0.162277115
## Kurtosis_hist.ADC	-0.01021823	-0.001424227	0.199310958
## Energy_hist.ADC	0.37796812	0.286374693	0.421964562
## Entropy_hist.ADC	0.78860658	0.529839004	0.955075269
## AUC_hist.ADC	0.72904238	0.440011545	0.949503663
## Volume.ADC	0.24381268	0.167253733	0.322920221
## X3D_surface.ADC	0.44486071	0.447727030	0.455743021
## ratio_3ds_vol.ADC	0.47076496	0.180909555	0.624184761

## ratio_3ds_vol_norm.ADC	0.73982820	0.471085902	0.932227384
## irregularity.ADC	0.72526370	0.397353846	0.935340501
## Compactness_v1.ADC	0.54865329	0.368168537	0.658059288
##	SAVE_cooc.W.ADC	SVAR_cooc.W.ADC	SENT_cooc.W.ADC
## Failure	-0.200068410	-0.099681554	0.027130642
## Entropy_cooc.W.ADC	0.189249221	0.275563997	0.132530403
## GLNU_align.H.PET	0.091681325	0.160075652	0.079420110
## Min_hist.PET	0.344648289	0.162440509	0.380049454
## Max_hist.PET	0.386104939	0.224308859	0.444426956
## Mean_hist.PET	0.334592000	0.154730195	0.411822965
## Variance_hist.PET	0.129132001	0.070627831	0.276158209
## Standard_Deviation_hist.PET	0.356004538	0.166361167	0.431196069
## Skewness_hist.PET	0.508980719	0.406403137	0.331910015
## Kurtosis_hist.PET	0.247015517	0.355095080	0.151933617
## Energy_hist.PET	0.225272760	0.200877248	0.247370218
## Entropy_hist.PET	0.721917991	0.530534424	0.680823655
## AUC_hist.PET	0.695564854	0.424126379	0.707607559
## H_suv.PET	0.375232346	0.178865601	0.430666686
## Volume.PET	0.253029934	0.289564964	0.465663079
## X3D_surface.PET	0.270034960	0.296251035	0.214897872
## ratio_3ds_vol.PET	0.352155147	0.149876269	0.251067094
## ratio_3ds_vol_norm.PET	0.427978855	0.292254479	0.394309431
## irregularity.PET	0.659022524	0.374163023	0.635298262
## tumor_length.PET	0.510061962	0.419729642	0.505862977
## Compactness_v1.PET	0.303629437	0.278162050	0.412096218
## Compactness_v2.PET	0.140498074	0.076495137	0.270390287
## Spherical_disproportion.PET	0.427978855	0.292254479	0.394309431
## Sphericity.PET	0.170117299	0.089940628	0.274106714
## Asphericity.PET	0.413066692	0.284512512	0.378579118
## Center_of_mass.PET	0.352737037	0.331209776	0.335904422
## Max_3D_diam.PET	0.373155644	0.292358133	0.476285139
## Major_axis_length.PET	0.371612760	0.338225221	0.514338842
## Minor_axis_length.PET	0.555673670	0.401646660	0.594207802
## Least_axis_length.PET	0.470895357	0.341508309	0.540001808
## Elongation.PET	0.639819272	0.294398738	0.541480742
## Flatness.PET	0.579039308	0.258116261	0.537415240
## Max_cooc.L.PET	0.252980007	0.248290177	0.302916721
## Average_cooc.L.PET	0.440306031	0.169641289	0.556443160
## Variance_cooc.L.PET	0.314915714	0.071044307	0.352392172
## Entropy_cooc.L.PET	0.667730451	0.370708842	0.715996638
## DAVE_cooc.L.PET	0.436660783	0.154463876	0.431972092
## DVAR_cooc.L.PET	0.383370950	0.121934089	0.337695352
## DENT_cooc.L.PET	0.640246268	0.333234983	0.653045367
## SAVE_cooc.L.PET	0.440215744	0.169436079	0.556335581
## SVAR_cooc.L.PET	0.305684634	0.080766886	0.396508238
## SENT_cooc.L.PET	0.647325156	0.343900115	0.661202457
## ASM_cooc.L.PET	0.236385107	0.235285819	0.282586063
## Contrast_cooc.L.PET	0.287143981	0.045976463	0.234838112
## Dissimilarity_cooc.L.PET	0.436660783	0.154463876	0.431972092
## Inv_diff_cooc.L.PET	0.660356501	0.479388915	0.645875924
## Inv_diff_norm_cooc.L.PET	0.703955178	0.427113491	0.713689788
## IDM_cooc.L.PET	0.607826213	0.473797880	0.581446484
## IDM_norm_cooc.L.PET	0.698894935	0.416692998	0.711473555
## Inv_var_cooc.L.PET	0.614331107	0.481894695	0.593332434

## Correlation_cooc.L.PET	0.464483312	0.322356891	0.559408545
## Autocorrelation_cooc.L.PET	0.250936052	0.049140868	0.414416815
## Tendency_cooc.L.PET	0.305684634	0.080766886	0.396508238
## Shade_cooc.L.PET	0.203854009	0.093812461	0.156466298
## Prominence_cooc.L.PET	0.171219849	0.007779065	0.225641505
## IC1_.L.PET	-0.158787085	0.058283537	-0.078006883
## IC2_.L.PET	0.569277519	0.276547327	0.544194164
## Coarseness_vdif_.L.PET	0.213921749	0.159896793	0.249998108
## Contrast_vdif_.L.PET	0.126575816	-0.031582110	-0.039892867
## Busyness_vdif_.L.PET	0.346311589	0.344327680	0.343290070
## Complexity_vdif_.L.PET	0.459045523	0.177812413	0.357022700
## Strength_vdif_.L.PET	0.125944300	-0.001881482	0.013696675
## SRE_align.L.PET	0.687554950	0.399007057	0.700831733
## LRE_align.L.PET	0.706532492	0.418721411	0.700672548
## GLNU_align.L.PET	0.286335756	0.288716801	0.287639738
## RLNU_align.L.PET	0.247602193	0.243977498	0.270523683
## RP_align.L.PET	0.686524025	0.396837574	0.698980897
## LGRE_align.L.PET	0.498481547	0.392455006	0.374539900
## HGRE_align.L.PET	0.275360624	0.055198620	0.420912309
## LGSRE_align.L.PET	0.498793070	0.391544041	0.377892427
## HGSRE_align.L.PET	0.273146134	0.053933387	0.418696623
## LGHRE_align.L.PET	0.493808239	0.393198042	0.360020912
## HGLRE_align.L.PET	0.284174544	0.060245152	0.428181589
## GLNU_norm_align.L.PET	0.463254472	0.383637196	0.439958570
## RLNU_norm_align.L.PET	0.681683934	0.389046638	0.693227840
## GLVAR_align.L.PET	0.329598175	0.081625075	0.396448597
## RLVAR_align.L.PET	0.463219454	0.388670071	0.482247506
## Entropy_align.L.PET	0.665841756	0.366391216	0.714394557
## SZSE.L.PET	0.654334132	0.395297348	0.704879852
## LZSE.L.PET	0.561719238	0.296682586	0.439166479
## LGLZE.L.PET	0.505249982	0.392607629	0.381736236
## HGLZE.L.PET	0.284060278	0.056654962	0.424150962
## SZLGE.L.PET	0.495867651	0.386961720	0.395205279
## SZHGE.L.PET	0.274933589	0.064127243	0.430893625
## LZLGE.L.PET	0.464882460	0.383143094	0.297599985
## LZHGE.L.PET	0.261024230	0.017790028	0.310681040
## GLNU_area.L.PET	0.283610797	0.291281524	0.293888817
## ZSNU.L.PET	0.242116305	0.245252787	0.278038784
## ZSP.L.PET	0.658044423	0.388344802	0.697898429
## GLNU_norm.L.PET	0.463174846	0.383643969	0.441424561
## ZSNU_norm.L.PET	0.659457751	0.375735568	0.683276606
## GLVAR_area.L.PET	0.336821487	0.084008573	0.405412415
## ZSVAR.L.PET	0.418551494	0.297522874	0.335690424
## Entropy_area.L.PET	0.673892907	0.375368685	0.719230578
## Max_cooc.H.PET	0.134248040	0.205716280	0.216234378
## Average_cooc.H.PET	0.664889310	0.408603558	0.676951769
## Variance_cooc.H.PET	0.589087304	0.266791535	0.616337484
## Entropy_cooc.H.PET	0.520632387	0.221527875	0.565597394
## DAVE_cooc.H.PET	0.613252042	0.289503063	0.580728429
## DVAR_cooc.H.PET	0.558628769	0.290454239	0.593365063
## DENT_cooc.H.PET	0.681451151	0.440189471	0.583796036
## SAVE_cooc.H.PET	0.699136631	0.439042409	0.675795574
## SVAR_cooc.H.PET	0.644487882	0.410648626	0.646722855
## SENT_cooc.H.PET	0.483370476	0.223397989	0.416285129

## ASM_cooc.H.PET	0.095489339	0.194323770	0.231752505
## Contrast_cooc.H.PET	0.529363647	0.233081181	0.510598235
## Dissimilarity_cooc.H.PET	0.613252042	0.289503063	0.580728429
## Inv_diff_cooc.H.PET	0.431206119	0.360566870	0.505366504
## Inv_diff_norm_cooc.H.PET	0.687932139	0.414584165	0.706705771
## IDM_cooc.H.PET	0.355573358	0.325750076	0.430531944
## IDM_norm_cooc.H.PET	0.692613635	0.409961703	0.705142280
## Inv_var_cooc_.H.PET	0.376089983	0.291335728	0.399731567
## Correlation_cooc.H.PET	0.461539710	0.291849613	0.560677994
## Autocorrelation_cooc.H.PET	0.609910982	0.398889377	0.639354444
## Tendency_cooc.H.PET	0.568676645	0.261127582	0.618340407
## Shade_cooc.H.PET	-0.282875988	-0.052834538	-0.245412310
## Prominence_cooc.H.PET	0.426493758	0.155632167	0.475415182
## IC1_d.H.PET	-0.143649575	-0.050549312	-0.126041681
## IC2_d.H.PET	0.556908196	0.330350790	0.582364088
## Coarseness_vdif.H.PET	0.220457348	0.208999891	0.264037919
## Contrast_vdif.H.PET	0.060270855	0.095651871	0.203315598
## Busyness_vdif.H.PET	0.189354448	0.145572940	0.188825869
## Complexity_vdif.H.PET	0.440927991	0.210114944	0.336987934
## Strength_vdif.H.PET	-0.080796474	-0.068926245	-0.020958421
## SRE_align.H.PET	0.679366551	0.366444702	0.670057929
## LRE_align.H.PET	0.432868108	0.386739497	0.485916327
## RLNU_align.H.PET	0.215838184	0.236894120	0.282264869
## RP_align.H.PET	0.667098800	0.353773810	0.658016711
## LGRE_align.H.PET	0.232128831	0.225880505	0.308134288
## HGRE_align.H.PET	0.612735285	0.403107993	0.650953240
## LGSRE_align.H.PET	0.230256573	0.225046887	0.306041128
## HGSRE_align.H.PET	0.659459520	0.392410163	0.658855767
## LGHRE_align.H.PET	0.243864325	0.232131518	0.319213465
## HGLRE_align.H.PET	0.287982310	0.287096715	0.355894980
## GLNU_norm_align.H.PET	0.291399437	0.291983486	0.359629640
## RLNU_norm_align.H.PET	0.636562624	0.318138604	0.612619532
## GLVAR_align.H.PET	0.574077475	0.261631149	0.600840676
## RLVAR_align.H.PET	0.230424899	0.264184177	0.248897760
## Entropy_align.H.PET	0.641310729	0.349371432	0.677291657
## SZSE.H.PET	0.621736573	0.331281898	0.602200704
## LZSE.H.PET	0.008373746	0.115243727	-0.018735248
## LGLZE.H.PET	0.230758803	0.224411223	0.309821513
## HGLZE.H.PET	0.698460160	0.511557319	0.610203808
## SZLGE.H.PET	0.225565084	0.223805898	0.305257440
## SZHGE.H.PET	0.646934808	0.374264462	0.540779823
## LZLGE.H.PET	0.049901524	0.134816142	0.030186850
## LZHGE.H.PET	-0.019586674	0.091254616	-0.011933236
## GLNU_area.H.PET	0.293749942	0.274093204	0.292615770
## ZSNU.H.PET	0.150552575	0.211360773	0.278183607
## ZSP.H.PET	0.478536293	0.222562254	0.458173005
## GLNU_norm.H.PET	0.273462708	0.255199658	0.368772161
## ZSNU_norm.H.PET	0.530905563	0.249670194	0.492224473
## GLVAR_area.H.PET	0.569553581	0.276757231	0.599080193
## ZSVAR_H.PET	-0.002993246	0.109342089	-0.014038611
## Entropy_area.H.PET	0.685722985	0.403318456	0.714252716
## Max_cooc.W.PET	0.135069971	0.187493756	0.238254980
## Average_cooc.W.PET	0.317743217	0.142515178	0.447342282
## Variance_cooc.W.PET	0.133713485	0.067803493	0.259424101

## Entropy_cooc.W.PET	0.610666448	0.307089183	0.623792984
## DAVE_cooc.W.PET	0.362565115	0.141267528	0.395417077
## DVAR_cooc.W.PET	0.161067808	0.062073877	0.247226153
## DENT_cooc.W.PET	0.600008899	0.293173386	0.586224181
## SAVE_cooc.W.PET	0.317358460	0.142087169	0.446876965
## SVAR_cooc.W.PET	0.117860369	0.072558450	0.256133200
## SENT_cooc.W.PET	0.638617567	0.325951312	0.621977633
## ASM_cooc.W.PET	0.151292002	0.214350321	0.271899289
## Contrast_cooc.W.PET	0.163001159	0.049015764	0.244525371
## Dissimilarity_cooc.W.PET	0.362565115	0.141267528	0.395417077
## Inv_diff_cooc.W.PET	0.499709013	0.377505283	0.547321325
## Inv_diff_norm_cooc.W.PET	0.703120658	0.426609788	0.712881755
## IDM_cooc.W.PET	0.395786043	0.337316380	0.461341407
## IDM_norm_cooc.W.PET	0.699092804	0.416329927	0.710433677
## Inv_var_cooc.W.PET	0.458957156	0.362973749	0.500993333
## Correlation_cooc.W.PET	0.465321664	0.322490418	0.560296656
## Autocorrelation_cooc.W.PET	0.096980952	0.058953815	0.307076442
## Tendency_cooc.W.PET	0.117860369	0.072558450	0.256133200
## Shade_cooc.W.PET	0.029855437	0.037768528	0.084340194
## Prominence_cooc.W.PET	-0.011986528	0.022010843	0.084293579
## IC1_d.W.PET	-0.161054219	-0.017749983	-0.094456827
## IC2_d.W.PET	0.601032735	0.331683331	0.578868870
## Coarseness_vdif.W.PET	0.182030894	0.120093716	0.201332774
## Contrast_vdif.W.PET	0.269242148	0.050683927	0.269612541
## Busyness_vdif.W.PET	0.187187520	0.253619198	0.262835617
## Complexity_vdif.W.PET	0.083077879	0.089801756	0.221209514
## Strength_vdif.W.PET	0.191698437	0.080809870	0.081432224
## SRE_align.W.PET	0.691265163	0.389015827	0.690942829
## LRE_align.W.PET	0.599765835	0.409776578	0.636233833
## GLNU_align.W.PET	0.352211582	0.309691012	0.274475472
## RLNU_align.W.PET	0.231233538	0.240256523	0.275717546
## RP_align.W.PET	0.687495177	0.382123842	0.685060989
## LGRE_align.W.PET	0.320357725	0.310476641	0.322663349
## HGRE_align.W.PET	0.104167221	0.059398823	0.307631649
## LGSRE_align.W.PET	0.352743988	0.321731806	0.337148319
## HGSRE_align.W.PET	0.100314546	0.057156780	0.303593894
## LGHRE_align.W.PET	0.191245375	0.259574859	0.245644026
## HGLRE_align.W.PET	0.121155300	0.068212290	0.322470598
## GLNU_norm_align.W.PET	0.281912669	0.287037674	0.353805934
## RLNU_norm_align.W.PET	0.678882323	0.363272708	0.663399346
## GLVAR_align.W.PET	0.130002560	0.070955006	0.276134843
## RLVAR_align.W.PET	0.243251281	0.275046745	0.302195358
## Entropy_align.W.PET	0.641851462	0.343264320	0.671961595
## SZSE.W.PET	0.660826514	0.371947532	0.663064035
## LZSE.W.PET	0.058519586	0.109476307	0.099761943
## LGLZE.W.PET	0.335630105	0.316375898	0.353172199
## HGLZE.W.PET	0.108061157	0.059656882	0.306272178
## SZLGE.W.PET	0.404300385	0.344244921	0.392260838
## SZHGE.W.PET	0.096779495	0.055495787	0.296283952
## LZLGE.W.PET	-0.038403730	0.093282666	0.019350096
## LZHGE.W.PET	0.180300584	0.038797082	0.278754319
## GLNU_area.W.PET	0.335487552	0.302018945	0.290909398
## ZSNU.W.PET	0.195038492	0.230428194	0.278257371
## ZSP.W.PET	0.624553863	0.332617585	0.602639295

## GLNU_norm.W.PET	0.283518056	0.283626699	0.373281081
## ZSNU_norm.W.PET	0.630068219	0.316905865	0.577594862
## GLVAR_area.W.PET	0.136019163	0.071980824	0.276772207
## ZSVAR.W.PET	0.006180023	0.085511280	0.037693177
## Entropy_area.W.PET	0.670046766	0.379123259	0.705306729
## Min_hist.ADC	-0.210095934	-0.297743204	0.165298964
## Max_hist.ADC	0.795597674	0.657539009	0.738407123
## Mean_hist.ADC	0.714051833	0.359288440	0.419860830
## Variance_hist.ADC	0.637166504	0.988373691	0.483905599
## Standard_Deviation_hist.ADC	0.770842706	0.903512351	0.635236218
## Skewness_hist.ADC	-0.241589913	-0.019229668	0.662538101
## Kurtosis_hist.ADC	0.204926059	-0.206510531	0.150955580
## Energy_hist.ADC	0.203291975	0.193530890	0.281833584
## Entropy_hist.ADC	0.773874718	0.532426663	0.737834341
## AUC_hist.ADC	0.643960445	0.408457141	0.774817234
## Volume.ADC	0.259840109	0.286426024	0.453669583
## X3D_surface.ADC	0.521500035	0.587857573	0.600011535
## ratio_3ds_vol.ADC	0.239736836	0.021352970	0.259217482
## ratio_3ds_vol_norm.ADC	0.712882171	0.452963912	0.685075751
## irregularity.ADC	0.578016255	0.303128179	0.640141369
## Compactness_v1.ADC	0.388513444	0.280131997	0.460241597
##	ASM_cooc.W.ADC	Contrast_cooc.W.ADC	
## Failure	5.212301e-02	-0.0761130131	
## Entropy_cooc.W.ADC	-2.567299e-02	0.2680670288	
## GLNU_align.H.PET	5.230476e-02	0.1072905290	
## Min_hist.PET	9.879410e-02	0.2231678751	
## Max_hist.PET	1.138751e-01	0.2589795942	
## Mean_hist.PET	9.538024e-02	0.2194799437	
## Variance_hist.PET	3.303938e-02	0.1262874194	
## Standard_Deviation_hist.PET	1.364132e-01	0.2264052986	
## Skewness_hist.PET	2.875784e-01	0.3567089625	
## Kurtosis_hist.PET	1.448910e-01	0.2072855960	
## Energy_hist.PET	9.818201e-01	0.2996245166	
## Entropy_hist.PET	2.636139e-01	0.5392671140	
## AUC_hist.PET	4.761805e-01	0.4855189316	
## H_suv.PET	2.380497e-01	0.2421735953	
## Volume.PET	-1.652391e-01	0.1637167890	
## X3D_surface.PET	1.024254e-01	0.2732811848	
## ratio_3ds_vol.PET	6.292935e-01	0.2770253361	
## ratio_3ds_vol_norm.PET	6.285438e-01	0.3627619674	
## irregularity.PET	4.410966e-01	0.4639935480	
## tumor_length.PET	3.114120e-01	0.4194490687	
## Compactness_v1.PET	9.139020e-01	0.3402820435	
## Compactness_v2.PET	-2.702059e-01	0.0424406617	
## Spherical_disproportion.PET	6.285438e-01	0.3627619674	
## Sphericity.PET	-4.177926e-01	0.0312376776	
## Asphericity.PET	6.272702e-01	0.3541006480	
## Center_of_mass.PET	1.594978e-01	0.3221266098	
## Max_3D_diam.PET	-1.744658e-01	0.2448899353	
## Major_axis_length.PET	-3.759968e-02	0.3193361886	
## Minor_axis_length.PET	1.275159e-01	0.3542594683	
## Least_axis_length.PET	7.145387e-03	0.2825739273	
## Elongation.PET	4.765003e-01	0.3591992180	
## Flatness.PET	3.724024e-01	0.2885473035	

## Max_cooc.L.PET	9.930034e-01	0.3259450093
## Average_cooc.L.PET	3.428802e-01	0.2985986530
## Variance_cooc.L.PET	3.076878e-01	0.1926877721
## Entropy_cooc.L.PET	3.556599e-01	0.4396811861
## DAVE_cooc.L.PET	3.487749e-01	0.2785284952
## DVAR_cooc.L.PET	3.888067e-01	0.2175372272
## DENT_cooc.L.PET	3.955770e-01	0.4248293922
## SAVE_cooc.L.PET	3.417909e-01	0.2983477348
## SVAR_cooc.L.PET	2.898953e-01	0.1875707818
## SENT_cooc.L.PET	4.792169e-01	0.4407991852
## ASM_cooc.L.PET	9.991991e-01	0.3131639926
## Contrast_cooc.L.PET	2.942430e-01	0.1747988178
## Dissimilarity_cooc.L.PET	3.487749e-01	0.2785284952
## Inv_diff_cooc.L.PET	5.205846e-01	0.4936868809
## Inv_diff_norm_cooc.L.PET	4.339525e-01	0.4857556530
## IDM_cooc.L.PET	5.773856e-01	0.4768893517
## IDM_norm_cooc.L.PET	4.322318e-01	0.4802922977
## Inv_var_cooc.L.PET	5.747540e-01	0.4820110185
## Correlation_cooc.L.PET	2.923002e-01	0.3355181684
## Autocorrelation_cooc.L.PET	2.874144e-01	0.1773876036
## Tendency_cooc.L.PET	2.898953e-01	0.1875707818
## Shade_cooc.L.PET	1.036461e-01	0.1037292741
## Prominence_cooc.L.PET	2.289187e-01	0.0921775973
## IC1_.L.PET	6.699037e-02	-0.0853663481
## IC2_.L.PET	5.036892e-01	0.4249103178
## Coarseness_vdif_.L.PET	9.177990e-01	0.2840179603
## Contrast_vdif_.L.PET	2.124588e-01	0.0735999907
## Busyness_vdif_.L.PET	-5.274397e-02	0.2339472341
## Complexity_vdif_.L.PET	4.141081e-01	0.3046134219
## Strength_vdif_.L.PET	2.937183e-01	0.0951388901
## SRE_align.L.PET	4.397273e-01	0.4714345623
## LRE_align.L.PET	4.202379e-01	0.4809863280
## GLNU_align.L.PET	-4.159817e-02	0.2106179399
## RLNU_align.L.PET	-9.623849e-02	0.1974656893
## RP_align.L.PET	4.399760e-01	0.4704534936
## LGRE_align.L.PET	6.514135e-01	0.3983678120
## HGRE_align.L.PET	2.995397e-01	0.1899987696
## LGSRE_align.L.PET	6.620217e-01	0.4001091845
## HGSRE_align.L.PET	3.009453e-01	0.1887305460
## LGHRE_align.L.PET	6.077949e-01	0.3888673209
## HGLRE_align.L.PET	2.926114e-01	0.1950580766
## GLNU_norm_align.L.PET	8.923337e-01	0.4306696275
## RLNU_norm_align.L.PET	4.416511e-01	0.4665460752
## GLVAR_align.L.PET	3.135218e-01	0.2059803631
## RLVAR_align.L.PET	8.140225e-01	0.4232817687
## Entropy_align.L.PET	3.698183e-01	0.4434020892
## SZSE.L.PET	4.457845e-01	0.4586773104
## LZSE.L.PET	2.588125e-01	0.3570563482
## LGLZE.L.PET	6.640371e-01	0.3990084821
## HGLZE.L.PET	3.016804e-01	0.1902382513
## SZLGE.L.PET	6.959462e-01	0.3976171258
## SZHGE.L.PET	3.090849e-01	0.1865022131
## LZLGE.L.PET	4.679615e-01	0.3633784329
## LZHGE.L.PET	2.122483e-01	0.1667206349

## GLNU_area.L.PET	-4.851983e-02	0.2129938246
## ZSNU.L.PET	-1.061936e-01	0.1953668506
## ZSP.L.PET	4.434647e-01	0.4580079899
## GLNU_norm.L.PET	8.961657e-01	0.4317066292
## ZSNU_norm.L.PET	4.448146e-01	0.4559184571
## GLVAR_area.L.PET	3.212372e-01	0.2084545536
## ZSVAR.L.PET	3.240727e-01	0.3061203817
## Entropy_area.L.PET	3.670246e-01	0.4468977090
## Max_cooc.H.PET	3.994118e-01	0.2320001676
## Average_cooc.H.PET	4.097995e-01	0.4733291706
## Variance_cooc.H.PET	3.029998e-01	0.3514364526
## Entropy_cooc.H.PET	2.547371e-01	0.2699034775
## DAVE_cooc.H.PET	3.366102e-01	0.3727178867
## DVAR_cooc.H.PET	3.486878e-01	0.3773117015
## DENT_cooc.H.PET	1.868913e-01	0.4623937287
## SAVE_cooc.H.PET	3.906399e-01	0.4962147436
## SVAR_cooc.H.PET	3.102789e-01	0.4586974843
## SENT_cooc.H.PET	5.847868e-01	0.3336227348
## ASM_cooc.H.PET	4.934867e-01	0.2290733637
## Contrast_cooc.H.PET	3.090580e-01	0.3221372601
## Dissimilarity_cooc.H.PET	3.366102e-01	0.3727178867
## Inv_diff_cooc.H.PET	4.492868e-01	0.3977732641
## Inv_diff_norm_cooc.H.PET	4.464832e-01	0.4813269714
## IDM_cooc.H.PET	4.245957e-01	0.3556506134
## IDM_norm_cooc.H.PET	4.389070e-01	0.4776501861
## Inv_var_cooc.H.PET	8.847189e-01	0.3763985022
## Correlation_cooc.H.PET	2.933688e-01	0.3156309609
## Autocorrelation_cooc.H.PET	4.085858e-01	0.4588048933
## Tendency_cooc.H.PET	2.724993e-01	0.3358138550
## Shade_cooc.H.PET	-1.644506e-01	-0.1468311446
## Prominence_cooc.H.PET	1.628549e-01	0.2251129699
## IC1_d.H.PET	3.870365e-01	-0.0399877808
## IC2_d.H.PET	3.429515e-01	0.3871411801
## Coarseness_vdif.H.PET	9.951991e-01	0.2967869783
## Contrast_vdif.H.PET	2.617292e-01	0.2105801253
## Busyness_vdif.H.PET	-4.059720e-01	-0.0068715266
## Complexity_vdif.H.PET	6.630245e-01	0.3511245557
## Strength_vdif.H.PET	1.137125e-01	-0.0499194193
## SRE_align.H.PET	4.164083e-01	0.4408004576
## LRE_align.H.PET	3.016723e-01	0.4159922679
## RLNU_align.H.PET	-8.418647e-02	0.2001626419
## RP_align.H.PET	4.116675e-01	0.4309959162
## LGRE_align.H.PET	9.942329e-01	0.3105696732
## HGRE_align.H.PET	4.031521e-01	0.4597967058
## LGSRE_align.H.PET	9.944854e-01	0.3096263604
## HGSRE_align.H.PET	4.014579e-01	0.4559739708
## LGHRE_align.H.PET	9.930365e-01	0.3172404979
## HGLRE_align.H.PET	2.336342e-01	0.3094321837
## GLNU_norm_align.H.PET	4.402389e-01	0.3243653251
## RLNU_norm_align.H.PET	3.855508e-01	0.3976415657
## GLVAR_align.H.PET	2.806544e-01	0.3452529972
## RLVAR_align.H.PET	2.043350e-01	0.2626753182
## Entropy_align.H.PET	2.956690e-01	0.4101933367
## SZSE.H.PET	3.563693e-01	0.3902262965

## LZSE.H.PET	-6.451783e-02	0.0833600566
## LGLZE.H.PET	9.924095e-01	0.3094267436
## HGLZE.H.PET	3.393385e-01	0.5253193240
## SZLGE.H.PET	9.933504e-01	0.3075609040
## SZHGE.H.PET	3.052024e-01	0.4051984520
## LZLGE.H.PET	7.057629e-02	0.1253673369
## LZHGE.H.PET	-2.197703e-02	0.0804864407
## GLNU_area.H.PET	-1.008496e-01	0.1868929502
## ZSNU.H.PET	-9.067045e-02	0.1912431484
## ZSP.H.PET	2.487349e-01	0.2715920473
## GLNU_norm.H.PET	4.459421e-01	0.3066409346
## ZSNU_norm.H.PET	2.926157e-01	0.3129217793
## GLVAR_area.H.PET	2.694164e-01	0.3580977710
## ZSVAR.H.PET	-4.092313e-02	0.0902234527
## Entropy_area.H.PET	3.358438e-01	0.4510374504
## Max_cooc.W.PET	6.274796e-01	0.2371442852
## Average_cooc.W.PET	1.091947e-01	0.2106360876
## Variance_cooc.W.PET	4.217969e-02	0.1194814817
## Entropy_cooc.W.PET	2.674731e-01	0.3700493019
## DAVE_cooc.W.PET	1.417263e-01	0.2102602064
## DVAR_cooc.W.PET	3.941421e-02	0.1270968917
## DENT_cooc.W.PET	2.819689e-01	0.3591743646
## SAVE_cooc.W.PET	1.071657e-01	0.2100578071
## SVAR_cooc.W.PET	4.182097e-02	0.1159247123
## SENT_cooc.W.PET	3.931850e-01	0.4028683799
## ASM_cooc.W.PET	8.062663e-01	0.2773753389
## Contrast_cooc.W.PET	3.809095e-02	0.1177397855
## Dissimilarity_cooc.W.PET	1.417263e-01	0.2102602064
## Inv_diff_cooc.W.PET	4.655105e-01	0.4222729648
## Inv_diff_norm_cooc.W.PET	4.359073e-01	0.4864941063
## IDM_cooc.W.PET	4.358399e-01	0.3733157759
## IDM_norm_cooc.W.PET	4.331790e-01	0.4807231084
## Inv_var_cooc.W.PET	4.685441e-01	0.4059469588
## Correlation_cooc.W.PET	2.903345e-01	0.3333244479
## Autocorrelation_cooc.W.PET	2.294909e-03	0.1210237942
## Tendency_cooc.W.PET	4.182097e-02	0.1159247123
## Shade_cooc.W.PET	4.512400e-02	0.0520973765
## Prominence_cooc.W.PET	1.786569e-02	0.0468300328
## IC1_d.W.PET	4.526773e-01	-0.0273830131
## IC2_d.W.PET	4.000404e-01	0.4198846462
## Coarseness_vdif.W.PET	8.441116e-01	0.2548465387
## Contrast_vdif.W.PET	2.695380e-01	0.1416622480
## Busyness_vdif.W.PET	-9.130133e-02	0.1683962222
## Complexity_vdif.W.PET	2.728119e-02	0.1295428627
## Strength_vdif.W.PET	1.891786e-01	0.0961939373
## SRE_align.W.PET	4.293350e-01	0.4614655776
## LRE_align.W.PET	3.935964e-01	0.4623232414
## GLNU_align.W.PET	-9.588796e-02	0.2063128409
## RLNU_align.W.PET	-8.565468e-02	0.1989666190
## RP_align.W.PET	4.264224e-01	0.4558830132
## LGRE_align.W.PET	4.194408e-01	0.3279454780
## HGRE_align.W.PET	-5.179014e-03	0.1244214676
## LGSRE_align.W.PET	4.496599e-01	0.3442081196
## HGSRE_align.W.PET	-6.526228e-03	0.1222883702

## LGHRE_align.W.PET	2.850212e-01	0.2563024007
## HGLRE_align.W.PET	5.590611e-05	0.1333833811
## GLNU_norm_align.W.PET	5.425216e-01	0.3276670179
## RLNU_norm_align.W.PET	4.133196e-01	0.4394419397
## GLVAR_align.W.PET	3.084328e-02	0.1265967328
## RLVAR_align.W.PET	3.462623e-01	0.2901432383
## Entropy_align.W.PET	2.963744e-01	0.4065512805
## SZSE.W.PET	4.111251e-01	0.4357258738
## LZSE.W.PET	9.615912e-02	0.1371967601
## LGLZE.W.PET	4.436548e-01	0.3427517478
## HGLZE.W.PET	-3.765141e-03	0.1235136466
## SZLGE.W.PET	5.279255e-01	0.3830743158
## SZHGE.W.PET	-6.671909e-03	0.1166182821
## LZLGE.W.PET	1.762895e-02	0.0716645968
## LZHGE.W.PET	4.237398e-02	0.1376947906
## GLNU_area.W.PET	-9.729300e-02	0.2015947302
## ZSNU.W.PET	-8.588084e-02	0.1972432724
## ZSP.W.PET	3.551777e-01	0.3926050061
## GLNU_norm.W.PET	5.602640e-01	0.3351171520
## ZSNU_norm.W.PET	3.602554e-01	0.3906863086
## GLVAR_area.W.PET	3.601906e-02	0.1281295766
## ZSVAR.W.PET	6.182699e-02	0.1070134084
## Entropy_area.W.PET	3.218935e-01	0.4364420497
## Min_hist.ADC	1.951995e-01	-0.2238924141
## Max_hist.ADC	3.319575e-01	0.6394605137
## Mean_hist.ADC	3.390648e-01	0.4230211187
## Variance_hist.ADC	2.511061e-01	0.9215312756
## Standard_Deviation_hist.ADC	3.303211e-01	0.8838518486
## Skewness_hist.ADC	1.250721e-01	-0.0679994529
## Kurtosis_hist.ADC	1.063423e-01	-0.0747063208
## Energy_hist.ADC	9.947929e-01	0.2917981712
## Entropy_hist.ADC	3.551826e-01	0.5386357405
## AUC_hist.ADC	4.438138e-01	0.4466967715
## Volume.ADC	-1.711646e-01	0.1580425643
## X3D_surface.ADC	7.609620e-02	0.4118182510
## ratio_3ds_vol.ADC	4.681250e-01	0.2315788176
## ratio_3ds_vol_norm.ADC	3.372984e-01	0.4781949047
## irregularity.ADC	4.434421e-01	0.4280647314
## Compactness_v1.ADC	9.328012e-01	0.3801000592
##	Dissimilarity_cooc.W.ADC	Inv_diff_cooc.W.ADC
## Failure	-0.06138802	0.0716537803
## Entropy_cooc.W.ADC	0.18929496	-0.0814414694
## GLNU_align.H.PET	0.04122421	-0.0309151339
## Min_hist.PET	0.39804517	0.3963641049
## Max_hist.PET	0.42043248	0.4300534732
## Mean_hist.PET	0.39169092	0.4119743893
## Variance_hist.PET	0.20170774	0.2269610825
## Standard_Deviation_hist.PET	0.38967165	0.4490851535
## Skewness_hist.PET	0.47972068	0.4057244882
## Kurtosis_hist.PET	0.20538508	0.1103764547
## Energy_hist.PET	0.38466567	0.6442653460
## Entropy_hist.PET	0.76041313	0.6272098187
## AUC_hist.PET	0.76997456	0.8332790519
## H_suv.PET	0.40928170	0.5119292702

## Volume.PET	0.25259173	0.1901223003
## X3D_surface.PET	0.26689110	0.1721392512
## ratio_3ds_vol.PET	0.43450100	0.6255176547
## ratio_3ds_vol_norm.PET	0.47691786	0.6290940775
## irregularity.PET	0.74769045	0.7924923821
## tumor_length.PET	0.52527830	0.5203248249
## Compactness_v1.PET	0.45880190	0.6988767068
## Compactness_v2.PET	0.14254625	0.0949205173
## Spherical_disproportion.PET	0.47691786	0.6290940775
## Sphericity.PET	0.14495034	0.0136953807
## Asphericity.PET	0.46074979	0.6141412898
## Center_of_mass.PET	0.36370999	0.3287693629
## Max_3D_diam.PET	0.37619882	0.2302706189
## Major_axis_length.PET	0.44131942	0.3239165000
## Minor_axis_length.PET	0.52113359	0.4804042139
## Least_axis_length.PET	0.43213235	0.3694682197
## Elongation.PET	0.62665648	0.7346881817
## Flatness.PET	0.55351819	0.6601653980
## Max_cooc.L.PET	0.40914853	0.6637374510
## Average_cooc.L.PET	0.56425095	0.7031882861
## Variance_cooc.L.PET	0.42007371	0.5722692660
## Entropy_cooc.L.PET	0.73059497	0.7947264091
## DAVE_cooc.L.PET	0.53205694	0.6554659155
## DVAR_cooc.L.PET	0.44236743	0.6442947875
## DENT_cooc.L.PET	0.72070191	0.8044776933
## SAVE_cooc.L.PET	0.56402609	0.7026925074
## SVAR_cooc.L.PET	0.41453703	0.5742768651
## SENT_cooc.L.PET	0.72980483	0.8258930393
## ASM_cooc.L.PET	0.38592658	0.6473637045
## Contrast_cooc.L.PET	0.37224149	0.4918986121
## Dissimilarity_cooc.L.PET	0.53205694	0.6554659155
## Inv_diff_cooc.L.PET	0.70861010	0.7361360436
## Inv_diff_norm_cooc.L.PET	0.77018551	0.8184774139
## IDM_cooc.L.PET	0.65565938	0.6914755657
## IDM_norm_cooc.L.PET	0.76834309	0.8225214743
## Inv_var_cooc.L.PET	0.65789202	0.6954282382
## Correlation_cooc.L.PET	0.50654211	0.5255783044
## Autocorrelation_cooc.L.PET	0.38811133	0.5512280530
## Tendency_cooc.L.PET	0.41453703	0.5742768651
## Shade_cooc.L.PET	0.20367874	0.2596980509
## Prominence_cooc.L.PET	0.26069390	0.4268190098
## IC1_.L.PET	-0.24813020	-0.2153703375
## IC2_.L.PET	0.69393455	0.7791586427
## Coarseness_vdif_.L.PET	0.39548546	0.6501931373
## Contrast_vdif_.L.PET	0.17958930	0.2226843141
## Busyness_vdif_.L.PET	0.28382634	0.1637482193
## Complexity_vdif_.L.PET	0.53359829	0.6510442597
## Strength_vdif_.L.PET	0.21686725	0.3104987659
## SRE_align.L.PET	0.76346103	0.8288829356
## LRE_align.L.PET	0.76768872	0.8117569017
## GLNU_align.L.PET	0.24275921	0.1681494606
## RLNU_align.L.PET	0.22665166	0.1341208352
## RP_align.L.PET	0.76279826	0.8290448783
## LGRE_align.L.PET	0.54198157	0.6128666226

## HGRE_align.L.PET	0.40870307	0.5694128725
## LGSRE_align.L.PET	0.54497548	0.6208282468
## HGSRE_align.L.PET	0.40713756	0.5687021436
## LGHRE_align.L.PET	0.52692536	0.5790516511
## HGLRE_align.L.PET	0.41414055	0.5701110682
## GLNU_norm_align.L.PET	0.58101589	0.7533703922
## RLNU_norm_align.L.PET	0.75961677	0.8294821652
## GLVAR_align.L.PET	0.43940279	0.5960280257
## RLVAR_align.L.PET	0.55647876	0.7038553132
## Entropy_align.L.PET	0.73630238	0.8033762832
## SZSE.L.PET	0.74305335	0.8197673893
## LZSE.L.PET	0.55665703	0.5381166571
## LGLZE.L.PET	0.54777714	0.6264634244
## HGLZE.L.PET	0.41286834	0.5782781448
## SZLGE.L.PET	0.55019166	0.6479986619
## SZHGE.L.PET	0.40646634	0.5797692328
## LZLGE.L.PET	0.46890416	0.4539245955
## LZHGE.L.PET	0.35179175	0.4502353570
## GLNU_area.L.PET	0.24540944	0.1658321532
## ZSNU.L.PET	0.22643124	0.1326036681
## ZSP.L.PET	0.74670878	0.8241421396
## GLNU_norm.L.PET	0.58182275	0.7542981407
## ZSNU_norm.L.PET	0.74852337	0.8256317354
## GLVAR_area.L.PET	0.44590480	0.6076114504
## ZSVAR.L.PET	0.40501246	0.3823160679
## Entropy_area.L.PET	0.73784625	0.8010879723
## Max_cooc.H.PET	0.28661030	0.3401947816
## Average_cooc.H.PET	0.75522978	0.7919011568
## Variance_cooc.H.PET	0.62027181	0.7107966302
## Entropy_cooc.H.PET	0.54990076	0.7309918638
## DAVE_cooc.H.PET	0.64868796	0.7276766257
## DVAR_cooc.H.PET	0.63726677	0.7260036305
## DENT_cooc.H.PET	0.67850383	0.5104903914
## SAVE_cooc.H.PET	0.77642704	0.7764365017
## SVAR_cooc.H.PET	0.69525605	0.6511769967
## SENT_cooc.H.PET	0.51739686	0.6961380488
## ASM_cooc.H.PET	0.27552281	0.3612618183
## Contrast_cooc.H.PET	0.57301280	0.6615677917
## Dissimilarity_cooc.H.PET	0.64868796	0.7276766257
## Inv_diff_cooc.H.PET	0.56492401	0.5880931631
## Inv_diff_norm_cooc.H.PET	0.76785986	0.8249845359
## IDM_cooc.H.PET	0.49015391	0.5066018482
## IDM_norm_cooc.H.PET	0.76712574	0.8253697302
## Inv_var_cooc_.H.PET	0.49624983	0.7193525005
## Correlation_cooc.H.PET	0.49977155	0.5457659752
## Autocorrelation_cooc.H.PET	0.71914504	0.7480954257
## Tendency_cooc.H.PET	0.59031836	0.6737774660
## Shade_cooc.H.PET	-0.29405221	-0.3549169765
## Prominence_cooc.H.PET	0.42156221	0.5021414971
## IC1_d.H.PET	-0.09096609	0.1080426025
## IC2_d.H.PET	0.60411351	0.6300419780
## Coarseness_vdif.H.PET	0.37309229	0.6440651764
## Contrast_vdif.H.PET	0.26942743	0.2852633204
## Busyness_vdif.H.PET	0.05735951	-0.1004597615

## Complexity_vdif.H.PET	0.52267278	0.6807466842
## Strength_vdif.H.PET	-0.01981205	0.0684418701
## SRE_align.H.PET	0.73235107	0.8107167579
## LRE_align.H.PET	0.56116442	0.5089865802
## RLNU_align.H.PET	0.22613297	0.1501537707
## RP_align.H.PET	0.72108462	0.8027451491
## LGRE_align.H.PET	0.39090083	0.6651845690
## HGRE_align.H.PET	0.72429843	0.7519623164
## LGSRE_align.H.PET	0.38915825	0.6635139177
## HGSRE_align.H.PET	0.74460532	0.7876241331
## LGHRE_align.H.PET	0.40138877	0.6735384818
## HGLRE_align.H.PET	0.39678348	0.3546565719
## GLNU_norm_align.H.PET	0.44589220	0.4754362834
## RLNU_norm_align.H.PET	0.67634145	0.7651275621
## GLVAR_align.H.PET	0.60122587	0.6779079587
## RLVAR_align.H.PET	0.29585513	0.2280220388
## Entropy_align.H.PET	0.67594930	0.7278439428
## SZSE.H.PET	0.64327251	0.7208385299
## LZSE.H.PET	0.03585729	-0.0936896844
## LGLZE.H.PET	0.39028139	0.6656462047
## HGLZE.H.PET	0.74948236	0.6564052976
## SZLGE.H.PET	0.38599615	0.6611670735
## SZHGE.H.PET	0.65367332	0.6629781221
## LZLGE.H.PET	0.08649533	0.0070206354
## LZHGE.H.PET	0.02573880	-0.0503725588
## GLNU_area.H.PET	0.23357984	0.1581044418
## ZSNU.H.PET	0.20926918	0.1398046180
## ZSP.H.PET	0.48410789	0.5718950107
## GLNU_norm.H.PET	0.43263812	0.5031024281
## ZSNU_norm.H.PET	0.53619544	0.6211268501
## GLVAR_area.H.PET	0.60439215	0.6396166722
## ZSVAR.H.PET	0.03445187	-0.0682541893
## Entropy_area.H.PET	0.72571482	0.7536351567
## Max_cooc.W.PET	0.30129093	0.4548482717
## Average_cooc.W.PET	0.37620047	0.4393540243
## Variance_cooc.W.PET	0.19704580	0.2286922079
## Entropy_cooc.W.PET	0.63166101	0.6942534173
## DAVE_cooc.W.PET	0.38905531	0.4612963924
## DVAR_cooc.W.PET	0.22113839	0.2514338692
## DENT_cooc.W.PET	0.61791424	0.6917370470
## SAVE_cooc.W.PET	0.37551864	0.4381384419
## SVAR_cooc.W.PET	0.18140537	0.2100851464
## SENT_cooc.W.PET	0.66768687	0.7515477336
## ASM_cooc.W.PET	0.33989893	0.5381422530
## Contrast_cooc.W.PET	0.21992999	0.2561813271
## Dissimilarity_cooc.W.PET	0.38905531	0.4612963924
## Inv_diff_cooc.W.PET	0.62035808	0.6448362093
## Inv_diff_norm_cooc.W.PET	0.77088473	0.8187802708
## IDM_cooc.W.PET	0.52706768	0.5406943082
## IDM_norm_cooc.W.PET	0.76881080	0.8225296506
## Inv_var_cooc.W.PET	0.58032862	0.5977036700
## Correlation_cooc.W.PET	0.50494391	0.5242251675
## Autocorrelation_cooc.W.PET	0.19780870	0.2199774602
## Tendency_cooc.W.PET	0.18140537	0.2100851464

## Shade_cooc.W.PET	0.05396407	0.0618292377
## Prominence_cooc.W.PET	0.03829801	0.0300955281
## IC1_d.W.PET	-0.09306604	0.1102595024
## IC2_d.W.PET	0.65767591	0.6961400143
## Coarseness_vdif.W.PET	0.37071439	0.6000464493
## Contrast_vdif.W.PET	0.31465748	0.4583068719
## Busyness_vdif.W.PET	0.20710758	0.0884033097
## Complexity_vdif.W.PET	0.16437297	0.1562499103
## Strength_vdif.W.PET	0.18070384	0.2441565308
## SRE_align.W.PET	0.75452043	0.8245624490
## LRE_align.W.PET	0.69681715	0.7063242775
## GLNU_align.W.PET	0.25020154	0.1108166624
## RLNU_align.W.PET	0.22614951	0.1455535715
## RP_align.W.PET	0.74922696	0.8217575270
## LGRE_align.W.PET	0.44153901	0.4476111016
## HGRE_align.W.PET	0.20274244	0.2188082444
## LGSRE_align.W.PET	0.46847064	0.4826111427
## HGSRE_align.W.PET	0.19957058	0.2153067314
## LGHRE_align.W.PET	0.32050605	0.2933717858
## HGLRE_align.W.PET	0.21560578	0.2324970303
## GLNU_norm_align.W.PET	0.44569881	0.5160895068
## RLNU_norm_align.W.PET	0.72973895	0.8085959615
## GLVAR_align.W.PET	0.20188330	0.2262670976
## RLVAR_align.W.PET	0.34557925	0.3359777231
## Entropy_align.W.PET	0.67566506	0.7297249735
## SZSE.W.PET	0.71276022	0.7927987755
## LZSE.W.PET	0.13148978	0.1315910178
## LGLZE.W.PET	0.45773549	0.4752012024
## HGLZE.W.PET	0.20393816	0.2217009780
## SZLGE.W.PET	0.51393642	0.5574786203
## SZHGE.W.PET	0.19452606	0.2125164259
## LZLGE.W.PET	0.04524959	-0.0004598834
## LZHGE.W.PET	0.21539917	0.2691416520
## GLNU_area.W.PET	0.24847035	0.1341650204
## ZSNU.W.PET	0.21946811	0.1472190388
## ZSP.W.PET	0.65698731	0.7246005709
## GLNU_norm.W.PET	0.45648913	0.5397085204
## ZSNU_norm.W.PET	0.65239167	0.7336461500
## GLVAR_area.W.PET	0.20449907	0.2301977574
## ZSVAR.W.PET	0.06747757	0.0653784560
## Entropy_area.W.PET	0.71201445	0.7544961590
## Min_hist.ADC	-0.02032138	0.4353479424
## Max_hist.ADC	0.82361871	0.6505088278
## Mean_hist.ADC	0.66872886	0.6800876501
## Variance_hist.ADC	0.83736238	0.1981991161
## Standard_Deviation_hist.ADC	0.94208977	0.4450465190
## Skewness_hist.ADC	0.01855288	0.3254446204
## Kurtosis_hist.ADC	-0.01021823	0.3609547731
## Energy_hist.ADC	0.37796812	0.6628335792
## Entropy_hist.ADC	0.78860658	0.7326677088
## AUC_hist.ADC	0.72904238	0.8373582519
## Volume.ADC	0.24381268	0.1801448329
## X3D_surface.ADC	0.44486071	0.3175651228
## ratio_3ds_vol.ADC	0.47076496	0.5877080271

## ratio_3ds_vol_norm.ADC	0.73982820	0.7359578471
## irregularity.ADC	0.72526370	0.8065662213
## Compactness_v1.ADC	0.54865329	0.8048161429
##	Inv_diff_norm_cooc.W.ADC	IDM_cooc.W.ADC
## Failure	-0.014298045	0.054826538
## Entropy_cooc.W.ADC	0.039222571	-0.048179838
## GLNU_align.H.PET	-0.025868497	-0.008280386
## Min_hist.PET	0.528995445	0.339472733
## Max_hist.PET	0.552383993	0.370612254
## Mean_hist.PET	0.531291144	0.348213250
## Variance_hist.PET	0.266002499	0.168866149
## Standard_Deviation_hist.PET	0.544319490	0.394031443
## Skewness_hist.PET	0.542249970	0.429410022
## Kurtosis_hist.PET	0.163734527	0.126587360
## Energy_hist.PET	0.438292775	0.709173682
## Entropy_hist.PET	0.875630791	0.593758636
## AUC_hist.PET	0.993876669	0.806314938
## H_suv.PET	0.569585695	0.457138460
## Volume.PET	0.343470781	0.145566064
## X3D_surface.PET	0.233295387	0.166926194
## ratio_3ds_vol.PET	0.561255271	0.630171915
## ratio_3ds_vol_norm.PET	0.586655819	0.651057029
## irregularity.PET	0.960904575	0.766397271
## tumor_length.PET	0.615168491	0.511622428
## Compactness_v1.PET	0.551139650	0.753606684
## Compactness_v2.PET	0.234804133	0.027191460
## Spherical_disproportion.PET	0.586655819	0.651057029
## Sphericity.PET	0.235490411	-0.055826673
## Asphericity.PET	0.564861480	0.637852108
## Center_of_mass.PET	0.379748175	0.302163964
## Max_3D_diam.PET	0.470620525	0.186514304
## Major_axis_length.PET	0.510194403	0.266234985
## Minor_axis_length.PET	0.676688021	0.467066456
## Least_axis_length.PET	0.575704298	0.348946613
## Elongation.PET	0.862464166	0.737227336
## Flatness.PET	0.802131595	0.650640570
## Max_cooc.L.PET	0.466696034	0.735186012
## Average_cooc.L.PET	0.798357564	0.652938920
## Variance_cooc.L.PET	0.628934431	0.541045340
## Entropy_cooc.L.PET	0.979239074	0.755473489
## DAVE_cooc.L.PET	0.743718885	0.611806233
## DVAR_cooc.L.PET	0.660562904	0.605266393
## DENT_cooc.L.PET	0.964122953	0.760336942
## SAVE_cooc.L.PET	0.798166713	0.652326722
## SVAR_cooc.L.PET	0.638226500	0.550329065
## SENT_cooc.L.PET	0.970242093	0.802966955
## ASM_cooc.L.PET	0.438440104	0.723244305
## Contrast_cooc.L.PET	0.529439195	0.453295102
## Dissimilarity_cooc.L.PET	0.743718885	0.611806233
## Inv_diff_cooc.L.PET	0.860318758	0.732342093
## Inv_diff_norm_cooc.L.PET	0.993800476	0.785381362
## IDM_cooc.L.PET	0.772623450	0.702487058
## IDM_norm_cooc.L.PET	0.996626842	0.787871970
## Inv_var_cooc.L.PET	0.777825628	0.711057230

## Correlation_cooc.L.PET	0.661845508	0.542367989
## Autocorrelation_cooc.L.PET	0.587541551	0.513536900
## Tendency_cooc.L.PET	0.638226500	0.550329065
## Shade_cooc.L.PET	0.319139397	0.265095317
## Prominence_cooc.L.PET	0.443569696	0.414503881
## IC1_.L.PET	-0.330977336	-0.136241528
## IC2_.L.PET	0.885605980	0.746282879
## Coarseness_vdif_.L.PET	0.466372900	0.695833449
## Contrast_vdif_.L.PET	0.216301673	0.188370519
## Busyness_vdif_.L.PET	0.334279078	0.180066701
## Complexity_vdif_.L.PET	0.705303438	0.602229792
## Strength_vdif_.L.PET	0.276610776	0.275618529
## SRE_align.L.PET	0.996391696	0.793025269
## LRE_align.L.PET	0.991231382	0.774941214
## GLNU_align.L.PET	0.276587821	0.153333256
## RLNU_align.L.PET	0.247465778	0.101764026
## RP_align.L.PET	0.996005393	0.792915860
## LGRE_align.L.PET	0.632539478	0.655511464
## HGRE_align.L.PET	0.609615841	0.523912025
## LGSRE_align.L.PET	0.637198106	0.663801566
## HGSRE_align.L.PET	0.607920573	0.523829740
## LGHRE_align.L.PET	0.610611986	0.620013040
## HGLRE_align.L.PET	0.614712294	0.522375531
## GLNU_norm_align.L.PET	0.678181352	0.800292244
## RLNU_norm_align.L.PET	0.993939497	0.792929099
## GLVAR_align.L.PET	0.657140296	0.562937911
## RLVAR_align.L.PET	0.649213725	0.750422308
## Entropy_align.L.PET	0.982756780	0.761442030
## SZSE.L.PET	0.973729078	0.788112090
## LZSE.L.PET	0.695974896	0.504159106
## LGLZE.L.PET	0.644466111	0.670740707
## HGLZE.L.PET	0.619559729	0.532046579
## SZLGE.L.PET	0.653005388	0.694963598
## SZHGE.L.PET	0.614882159	0.536836645
## LZLGE.L.PET	0.514658818	0.485030452
## LZHGE.L.PET	0.507230623	0.401105704
## GLNU_area.L.PET	0.277578472	0.149847813
## ZSNU.L.PET	0.247889225	0.096951288
## ZSP.L.PET	0.979175233	0.788456082
## GLNU_norm.L.PET	0.678497814	0.802147324
## ZSNU_norm.L.PET	0.979854211	0.784407638
## GLVAR_area.L.PET	0.668414958	0.573869938
## ZSVAR.L.PET	0.462333622	0.393692729
## Entropy_area.L.PET	0.984684554	0.762333116
## Max_cooc.H.PET	0.298070745	0.347486541
## Average_cooc.H.PET	0.968349656	0.757979697
## Variance_cooc.H.PET	0.859464980	0.658902292
## Entropy_cooc.H.PET	0.835026151	0.655374598
## DAVE_cooc.H.PET	0.878641204	0.677579706
## DVAR_cooc.H.PET	0.852684598	0.666402509
## DENT_cooc.H.PET	0.777584887	0.493211894
## SAVE_cooc.H.PET	0.975827811	0.748499057
## SVAR_cooc.H.PET	0.846283282	0.613763363
## SENT_cooc.H.PET	0.695167607	0.700145094

## ASM_cooc.H.PET	0.282855582	0.381355736
## Contrast_cooc.H.PET	0.782745060	0.605571215
## Dissimilarity_cooc.H.PET	0.878641204	0.677579706
## Inv_diff_cooc.H.PET	0.666572989	0.586232062
## Inv_diff_norm_cooc.H.PET	0.993122528	0.792261482
## IDM_cooc.H.PET	0.561538217	0.510504555
## IDM_norm_cooc.H.PET	0.996211739	0.791331532
## Inv_var_cooc_.H.PET	0.594136558	0.765078485
## Correlation_cooc.H.PET	0.669844796	0.549388554
## Autocorrelation_cooc.H.PET	0.908633316	0.720888029
## Tendency_cooc.H.PET	0.824044644	0.628724216
## Shade_cooc.H.PET	-0.412853787	-0.325521992
## Prominence_cooc.H.PET	0.610800198	0.450413870
## IC1_d.H.PET	-0.108931502	0.136709527
## IC2_d.H.PET	0.781963699	0.624810363
## Coarseness_vdif.H.PET	0.430037589	0.717520866
## Contrast_vdif.H.PET	0.271836153	0.264185011
## Busyness_vdif.H.PET	0.139115917	-0.094183533
## Complexity_vdif.H.PET	0.655156772	0.691469865
## Strength_vdif.H.PET	0.014237381	0.063420357
## SRE_align.H.PET	0.972791447	0.771569846
## LRE_align.H.PET	0.632150067	0.491119228
## RLNU_align.H.PET	0.244861778	0.108212018
## RP_align.H.PET	0.960670438	0.761895878
## LGRE_align.H.PET	0.455338282	0.735114047
## HGRE_align.H.PET	0.914255519	0.714633485
## LGSRE_align.H.PET	0.452885916	0.733780538
## HGSRE_align.H.PET	0.961288709	0.744142650
## LGHRE_align.H.PET	0.468486754	0.741781422
## HGLRE_align.H.PET	0.430914462	0.344310967
## GLNU_norm_align.H.PET	0.501280929	0.480641376
## RLNU_norm_align.H.PET	0.911375838	0.722345665
## GLVAR_align.H.PET	0.827151242	0.628085846
## RLVAR_align.H.PET	0.280819765	0.238716177
## Entropy_align.H.PET	0.906094795	0.680100414
## SZSE.H.PET	0.861131899	0.680337801
## LZSE.H.PET	-0.061844245	-0.100910059
## LGLZE.H.PET	0.455972635	0.735248671
## HGLZE.H.PET	0.868262912	0.621992327
## SZLGE.H.PET	0.449568926	0.731903064
## SZHGE.H.PET	0.834650045	0.613845801
## LZLGE.H.PET	0.002037798	0.002632454
## LZHGE.H.PET	-0.054384035	-0.059599835
## GLNU_area.H.PET	0.287944185	0.137312571
## ZSNU.H.PET	0.210015256	0.077458756
## ZSP.H.PET	0.677498905	0.525398160
## GLNU_norm.H.PET	0.513168648	0.509163923
## ZSNU_norm.H.PET	0.730599083	0.567104709
## GLVAR_area.H.PET	0.806639331	0.596629491
## ZSVAR_H.PET	-0.059156080	-0.079434741
## Entropy_area.H.PET	0.952923371	0.722443590
## Max_cooc.W.PET	0.337420669	0.484950350
## Average_cooc.W.PET	0.530824907	0.373124534
## Variance_cooc.W.PET	0.265490650	0.174215996

## Entropy_cooc.W.PET	0.863506455	0.644889053
## DAVE_cooc.W.PET	0.555918358	0.401550760
## DVAR_cooc.W.PET	0.297052521	0.186133802
## DENT_cooc.W.PET	0.847075727	0.641541734
## SAVE_cooc.W.PET	0.530072121	0.371734991
## SVAR_cooc.W.PET	0.241010785	0.161682874
## SENT_cooc.W.PET	0.900497199	0.724083402
## ASM_cooc.W.PET	0.374305964	0.589294166
## Contrast_cooc.W.PET	0.305342195	0.190568892
## Dissimilarity_cooc.W.PET	0.555918358	0.401550760
## Inv_diff_cooc.W.PET	0.746499385	0.641010600
## Inv_diff_norm_cooc.W.PET	0.993896772	0.786015531
## IDM_cooc.W.PET	0.611558641	0.544196073
## IDM_norm_cooc.W.PET	0.996693242	0.788091218
## Inv_var_cooc.W.PET	0.682731642	0.604646359
## Correlation_cooc.W.PET	0.661603225	0.541917715
## Autocorrelation_cooc.W.PET	0.261147387	0.152010652
## Tendency_cooc.W.PET	0.241010785	0.161682874
## Shade_cooc.W.PET	0.049592414	0.047474351
## Prominence_cooc.W.PET	0.015574403	0.008420116
## IC1_d.W.PET	-0.124544181	0.156595494
## IC2_d.W.PET	0.844799604	0.684058825
## Coarseness_vdif.W.PET	0.431980042	0.630772552
## Contrast_vdif.W.PET	0.480671118	0.414535447
## Busyness_vdif.W.PET	0.234533262	0.096703359
## Complexity_vdif.W.PET	0.174630819	0.099985434
## Strength_vdif.W.PET	0.250717063	0.228280237
## SRE_align.W.PET	0.991864319	0.787120060
## LRE_align.W.PET	0.862445279	0.679519612
## GLNU_align.W.PET	0.284846338	0.120304019
## RLNU_align.W.PET	0.246750356	0.108739667
## RP_align.W.PET	0.987665695	0.783436642
## LGRE_align.W.PET	0.487439369	0.458586518
## HGRE_align.W.PET	0.264173741	0.146740944
## LGSRE_align.W.PET	0.524100369	0.495388389
## HGSRE_align.W.PET	0.259723073	0.143247701
## LGHRE_align.W.PET	0.323070121	0.296232837
## HGLRE_align.W.PET	0.281853678	0.160415835
## GLNU_norm_align.W.PET	0.502524645	0.531025629
## RLNU_norm_align.W.PET	0.969556084	0.768648099
## GLVAR_align.W.PET	0.265898845	0.167788179
## RLVAR_align.W.PET	0.354042225	0.352622419
## Entropy_align.W.PET	0.908178079	0.681389909
## SZSE.W.PET	0.943698882	0.755806827
## LZSE.W.PET	0.121797175	0.120495586
## LGLZE.W.PET	0.513504838	0.494223861
## HGLZE.W.PET	0.267764557	0.149943147
## SZLGE.W.PET	0.590401887	0.588166665
## SZHGE.W.PET	0.255034294	0.140622359
## LZLGE.W.PET	-0.009182145	-0.015801094
## LZHGE.W.PET	0.307459463	0.217223147
## GLNU_area.W.PET	0.294108225	0.133495985
## ZSNU.W.PET	0.231939088	0.098668764
## ZSP.W.PET	0.874906612	0.682244007

## GLNU_norm.W.PET	0.521795809	0.555589196
## ZSNU_norm.W.PET	0.870666744	0.683711077
## GLVAR_area.W.PET	0.270062230	0.173192050
## ZSVAR.W.PET	0.034989929	0.059093562
## Entropy_area.W.PET	0.945069892	0.713673617
## Min_hist.ADC	0.300655223	0.430041987
## Max_hist.ADC	0.895763756	0.628054631
## Mean_hist.ADC	0.863650914	0.694612566
## Variance_hist.ADC	0.453879835	0.160047041
## Standard_Deviation_hist.ADC	0.728408039	0.395414605
## Skewness_hist.ADC	0.236180021	0.281638187
## Kurtosis_hist.ADC	0.303769257	0.444915493
## Energy_hist.ADC	0.446696047	0.735262107
## Entropy_hist.ADC	0.961647854	0.699161769
## AUC_hist.ADC	0.979568934	0.795857031
## Volume.ADC	0.332357545	0.134484954
## X3D_surface.ADC	0.463694788	0.292377348
## ratio_3ds_vol.ADC	0.614267510	0.572038760
## ratio_3ds_vol_norm.ADC	0.944601059	0.713207199
## irregularity.ADC	0.945886413	0.762710688
## Compactness_v1.ADC	0.684918617	0.841270593
##	IDM_norm_cooc.W.ADC	Inv_var_cooc.W.ADC
## Failure	-0.006267786	0.062819228
## Entropy_cooc.W.ADC	0.031834566	-0.059084607
## GLNU_align.H.PET	-0.034994135	-0.016331760
## Min_hist.PET	0.531354468	0.335786976
## Max_hist.PET	0.550153155	0.365335864
## Mean_hist.PET	0.532431207	0.344209041
## Variance_hist.PET	0.265370358	0.164555778
## Standard_Deviation_hist.PET	0.542313883	0.389722162
## Skewness_hist.PET	0.539507771	0.421776635
## Kurtosis_hist.PET	0.157253308	0.120827163
## Energy_hist.PET	0.444070756	0.697066971
## Entropy_hist.PET	0.873911646	0.584758228
## AUC_hist.PET	0.995411124	0.801954480
## H_suv.PET	0.566947980	0.455629884
## Volume.PET	0.333975351	0.140450181
## X3D_surface.PET	0.227488629	0.160109743
## ratio_3ds_vol.PET	0.569165514	0.628060834
## ratio_3ds_vol_norm.PET	0.585867663	0.643539166
## irregularity.PET	0.966052630	0.764031200
## tumor_length.PET	0.608652793	0.504444938
## Compactness_v1.PET	0.553552918	0.738244424
## Compactness_v2.PET	0.233009476	0.026372640
## Spherical_disproportion.PET	0.585867663	0.643539166
## Sphericity.PET	0.232936490	-0.053869018
## Asphericity.PET	0.563994300	0.630271116
## Center_of_mass.PET	0.374973697	0.294040901
## Max_3D_diam.PET	0.465700099	0.182106514
## Major_axis_length.PET	0.508149960	0.258765847
## Minor_axis_length.PET	0.667310839	0.461146093
## Least_axis_length.PET	0.566139519	0.345227930
## Elongation.PET	0.861005027	0.736322113
## Flatness.PET	0.799317063	0.652684617

## Max_cooc.L.PET	0.470476487	0.721365623
## Average_cooc.L.PET	0.806846821	0.657301420
## Variance_cooc.L.PET	0.639970212	0.548241510
## Entropy_cooc.L.PET	0.980447464	0.753384950
## DAVE_cooc.L.PET	0.752456848	0.617960908
## DVAR_cooc.L.PET	0.666680456	0.611426188
## DENT_cooc.L.PET	0.968383559	0.760601680
## SAVE_cooc.L.PET	0.806655426	0.656708891
## SVAR_cooc.L.PET	0.648918737	0.556230260
## SENT_cooc.L.PET	0.974169865	0.801315617
## ASM_cooc.L.PET	0.441724903	0.708879599
## Contrast_cooc.L.PET	0.539534992	0.461584382
## Dissimilarity_cooc.L.PET	0.752456848	0.617960908
## Inv_diff_cooc.L.PET	0.857288174	0.721600417
## Inv_diff_norm_cooc.L.PET	0.994784257	0.780960342
## IDM_cooc.L.PET	0.768807161	0.689957749
## IDM_norm_cooc.L.PET	0.998104569	0.784091191
## Inv_var_cooc.L.PET	0.773518848	0.697908687
## Correlation_cooc.L.PET	0.660431810	0.532308741
## Autocorrelation_cooc.L.PET	0.598361400	0.520622876
## Tendency_cooc.L.PET	0.648918737	0.556230260
## Shade_cooc.L.PET	0.322561589	0.261929555
## Prominence_cooc.L.PET	0.454927021	0.421001201
## IC1_.L.PET	-0.347054141	-0.148308098
## IC2_.L.PET	0.895027987	0.745192099
## Coarseness_vdif_.L.PET	0.475974215	0.687282230
## Contrast_vdif_.L.PET	0.226526459	0.196379323
## Busyness_vdif_.L.PET	0.322678100	0.175682886
## Complexity_vdif_.L.PET	0.712748871	0.607156859
## Strength_vdif_.L.PET	0.289762347	0.279570108
## SRE_align.L.PET	0.998817694	0.790169900
## LRE_align.L.PET	0.992235188	0.771309039
## GLNU_align.L.PET	0.266651734	0.148649914
## RLNU_align.L.PET	0.239497839	0.096495208
## RP_align.L.PET	0.998535513	0.790149521
## LGRE_align.L.PET	0.632545956	0.646641058
## HGRE_align.L.PET	0.620088690	0.530981967
## LGSRE_align.L.PET	0.637325068	0.654863589
## HGSRE_align.L.PET	0.618484645	0.530905408
## LGHRE_align.L.PET	0.610147373	0.611359478
## HGLRE_align.L.PET	0.624759311	0.529384549
## GLNU_norm_align.L.PET	0.680443131	0.787829064
## RLNU_norm_align.L.PET	0.996808037	0.790436718
## GLVAR_align.L.PET	0.667497634	0.570420888
## RLVAR_align.L.PET	0.647039786	0.735636659
## Entropy_align.L.PET	0.984604577	0.759527155
## SZSE.L.PET	0.976523089	0.784637644
## LZSE.L.PET	0.694247851	0.503098929
## LGLZE.L.PET	0.644345365	0.661672995
## HGLZE.L.PET	0.629881828	0.538921374
## SZLGE.L.PET	0.653363654	0.685168786
## SZHGE.L.PET	0.625115725	0.542849554
## LZLGE.L.PET	0.512416421	0.478284455
## LZHGE.L.PET	0.515332335	0.409221108

## GLNU_area.L.PET	0.267934393	0.144856208
## ZSNU.L.PET	0.240308114	0.091522869
## ZSP.L.PET	0.982518229	0.785227985
## GLNU_norm.L.PET	0.680754003	0.789403146
## ZSNU_norm.L.PET	0.983838520	0.781319529
## GLVAR_area.L.PET	0.678597238	0.580941965
## ZSVAR.L.PET	0.455490144	0.389162534
## Entropy_area.L.PET	0.985761742	0.760355652
## Max_cooc.H.PET	0.305962078	0.343855993
## Average_cooc.H.PET	0.972355494	0.756485210
## Variance_cooc.H.PET	0.859025636	0.658116182
## Entropy_cooc.H.PET	0.836556953	0.658521587
## DAVE_cooc.H.PET	0.879889521	0.679630659
## DVAR_cooc.H.PET	0.854866552	0.669411583
## DENT_cooc.H.PET	0.776177727	0.481831857
## SAVE_cooc.H.PET	0.979029049	0.745584898
## SVAR_cooc.H.PET	0.846276770	0.605314287
## SENT_cooc.H.PET	0.695504408	0.695261856
## ASM_cooc.H.PET	0.290934526	0.377755348
## Contrast_cooc.H.PET	0.784551692	0.610060058
## Dissimilarity_cooc.H.PET	0.879889521	0.679630659
## Inv_diff_cooc.H.PET	0.672127852	0.581769003
## Inv_diff_norm_cooc.H.PET	0.995457028	0.788433445
## IDM_cooc.H.PET	0.567484720	0.506527886
## IDM_norm_cooc.H.PET	0.998354539	0.787762927
## Inv_var_cooc_.H.PET	0.595481366	0.748919717
## Correlation_cooc.H.PET	0.668291984	0.538479118
## Autocorrelation_cooc.H.PET	0.913982061	0.719608799
## Tendency_cooc.H.PET	0.822430822	0.625161152
## Shade_cooc.H.PET	-0.415154031	-0.327056990
## Prominence_cooc.H.PET	0.607856557	0.446322955
## IC1_d.H.PET	-0.110116466	0.133442815
## IC2_d.H.PET	0.782611771	0.617067538
## Coarseness_vdif.H.PET	0.434358647	0.704224333
## Contrast_vdif.H.PET	0.282986015	0.271532824
## Busyness_vdif.H.PET	0.128184344	-0.089766255
## Complexity_vdif.H.PET	0.660311704	0.691928801
## Strength_vdif.H.PET	0.020184354	0.069379258
## SRE_align.H.PET	0.973991643	0.768681354
## LRE_align.H.PET	0.636499612	0.488450591
## RLNU_align.H.PET	0.237972585	0.102505291
## RP_align.H.PET	0.962056530	0.759186840
## LGRE_align.H.PET	0.458880523	0.720117620
## HGRE_align.H.PET	0.919334380	0.712986688
## LGSRE_align.H.PET	0.456441135	0.718803439
## HGSRE_align.H.PET	0.965253438	0.742078431
## LGHRE_align.H.PET	0.471948517	0.726658393
## HGLRE_align.H.PET	0.435767311	0.343936778
## GLNU_norm_align.H.PET	0.509240598	0.478895215
## RLNU_norm_align.H.PET	0.912213863	0.719883484
## GLVAR_align.H.PET	0.826160416	0.626927217
## RLVAR_align.H.PET	0.283060982	0.235401518
## Entropy_align.H.PET	0.904472622	0.675512144
## SZSE.H.PET	0.859962762	0.674443391

## LZSE.H.PET	-0.060290446	-0.103950888
## LGLZE.H.PET	0.459555954	0.720246730
## HGLZE.H.PET	0.869848281	0.615778446
## SZLGE.H.PET	0.453162628	0.716880887
## SZHGE.H.PET	0.834956418	0.607886788
## LZLGE.H.PET	0.003742978	-0.003664214
## LZHGE.H.PET	-0.052085541	-0.060817866
## GLNU_area.H.PET	0.277577815	0.133627781
## ZSNU.H.PET	0.205972536	0.070788606
## ZSP.H.PET	0.676243476	0.521166379
## GLNU_norm.H.PET	0.521490420	0.509445952
## ZSNU_norm.H.PET	0.729326275	0.561179259
## GLVAR_area.H.PET	0.805417686	0.594649194
## ZSVAR.H.PET	-0.057462318	-0.082869543
## Entropy_area.H.PET	0.951097821	0.718447846
## Max_cooc.W.PET	0.344969142	0.478345536
## Average_cooc.W.PET	0.530177212	0.369053293
## Variance_cooc.W.PET	0.265011995	0.170194382
## Entropy_cooc.W.PET	0.861798877	0.641452962
## DAVE_cooc.W.PET	0.555457935	0.400401638
## DVAR_cooc.W.PET	0.297617174	0.184702984
## DENT_cooc.W.PET	0.845937099	0.638860685
## SAVE_cooc.W.PET	0.529417518	0.367692646
## SVAR_cooc.W.PET	0.239971619	0.156521201
## SENT_cooc.W.PET	0.899821639	0.719814667
## ASM_cooc.W.PET	0.381244141	0.580335333
## Contrast_cooc.W.PET	0.306369741	0.189909808
## Dissimilarity_cooc.W.PET	0.555457935	0.400401638
## Inv_diff_cooc.W.PET	0.751679669	0.637515087
## Inv_diff_norm_cooc.W.PET	0.995010947	0.781682474
## IDM_cooc.W.PET	0.617463641	0.540835681
## IDM_norm_cooc.W.PET	0.998215873	0.784356002
## Inv_var_cooc.W.PET	0.687972801	0.600902377
## Correlation_cooc.W.PET	0.660000000	0.531649251
## Autocorrelation_cooc.W.PET	0.261693055	0.146525913
## Tendency_cooc.W.PET	0.239971619	0.156521201
## Shade_cooc.W.PET	0.047736835	0.044953324
## Prominence_cooc.W.PET	0.014777443	0.006060687
## IC1_d.W.PET	-0.127079399	0.150346354
## IC2_d.W.PET	0.847605734	0.678739306
## Coarseness_vdif.W.PET	0.443683937	0.625391902
## Contrast_vdif.W.PET	0.484651348	0.417087463
## Busyness_vdif.W.PET	0.233065190	0.100250553
## Complexity_vdif.W.PET	0.173631602	0.097135753
## Strength_vdif.W.PET	0.253058178	0.228832763
## SRE_align.W.PET	0.993522425	0.784130943
## LRE_align.W.PET	0.866037718	0.676712832
## GLNU_align.W.PET	0.273446840	0.117076040
## RLNU_align.W.PET	0.239264969	0.103249453
## RP_align.W.PET	0.989309752	0.780533251
## LGRE_align.W.PET	0.493852572	0.456260329
## HGRE_align.W.PET	0.264513131	0.141613508
## LGSRE_align.W.PET	0.530273796	0.493055575
## HGSRE_align.W.PET	0.260155396	0.138162102

## LGHRE_align.W.PET	0.329704143	0.293888789
## HGLRE_align.W.PET	0.281776295	0.155159359
## GLNU_norm_align.W.PET	0.510573545	0.527403983
## RLNU_norm_align.W.PET	0.970739099	0.765854903
## GLVAR_align.W.PET	0.265213885	0.163486169
## RLVAR_align.W.PET	0.357616769	0.347986717
## Entropy_align.W.PET	0.906695717	0.677363578
## SZSE.W.PET	0.944378941	0.751406355
## LZSE.W.PET	0.125563024	0.122309243
## LGLZE.W.PET	0.519088243	0.491611120
## HGLZE.W.PET	0.268074081	0.144833010
## SZLGE.W.PET	0.594766722	0.583563024
## SZHGE.W.PET	0.255711453	0.135590725
## LZLGE.W.PET	-0.004489439	-0.015858439
## LZHGE.W.PET	0.305174701	0.215197336
## GLNU_area.W.PET	0.282906124	0.129973700
## ZSNU.W.PET	0.226028635	0.092632633
## ZSP.W.PET	0.874847346	0.677879011
## GLNU_norm.W.PET	0.530209518	0.551875249
## ZSNU_norm.W.PET	0.870651879	0.679292243
## GLVAR_area.W.PET	0.269209703	0.168826609
## ZSVAR.W.PET	0.037774815	0.060206457
## Entropy_area.W.PET	0.943693043	0.709929494
## Min_hist.ADC	0.321001470	0.440963385
## Max_hist.ADC	0.886534048	0.619292120
## Mean_hist.ADC	0.866086212	0.698080203
## Variance_hist.ADC	0.450528484	0.141262166
## Standard_Deviation_hist.ADC	0.726465742	0.380034534
## Skewness_hist.ADC	0.231329433	0.281071272
## Kurtosis_hist.ADC	0.283879966	0.450754651
## Energy_hist.ADC	0.452677715	0.723218702
## Entropy_hist.ADC	0.956305229	0.690693963
## AUC_hist.ADC	0.978052749	0.792892598
## Volume.ADC	0.322077692	0.129064992
## X3D_surface.ADC	0.440523839	0.278886808
## ratio_3ds_vol.ADC	0.638441807	0.581626091
## ratio_3ds_vol_norm.ADC	0.941748888	0.708846015
## irregularity.ADC	0.955121717	0.764778933
## Compactness_v1.ADC	0.690515173	0.830400013
##	Correlation_cooc.W.ADC	Autocorrelation_cooc.W.ADC
## Failure	-0.033057297	-0.214557559
## Entropy_cooc.W.ADC	0.097051887	0.195490286
## GLNU_align.H.PET	0.073566446	0.097347798
## Min_hist.PET	0.310658551	0.231350750
## Max_hist.PET	0.379555330	0.269814468
## Mean_hist.PET	0.318006874	0.211024684
## Variance_hist.PET	0.152699898	0.056655845
## Standard_Deviation_hist.PET	0.357247893	0.234311795
## Skewness_hist.PET	0.462598836	0.487669163
## Kurtosis_hist.PET	0.257866216	0.282486674
## Energy_hist.PET	0.292986274	0.157581998
## Entropy_hist.PET	0.716497206	0.576700184
## AUC_hist.PET	0.728584407	0.500648716
## H_suv.PET	0.379493400	0.256831300

## Volume.PET	0.404902653	0.161636101
## X3D_surface.PET	0.267104442	0.219669207
## ratio_3ds_vol.PET	0.295174356	0.256575802
## ratio_3ds_vol_norm.PET	0.406596189	0.309415700
## irregularity.PET	0.670222641	0.475576815
## tumor_length.PET	0.542868698	0.392388039
## Compactness_v1.PET	0.418161830	0.209019282
## Compactness_v2.PET	0.186408865	0.072722984
## Spherical_disproportion.PET	0.406596189	0.309415700
## Sphericity.PET	0.215527669	0.106248316
## Asphericity.PET	0.390702642	0.298941367
## Center_of_mass.PET	0.383589124	0.263329266
## Max_3D_diam.PET	0.420166934	0.269240116
## Major_axis_length.PET	0.422536849	0.257680274
## Minor_axis_length.PET	0.594315611	0.403538899
## Least_axis_length.PET	0.538193319	0.326254585
## Elongation.PET	0.598959803	0.452741302
## Flatness.PET	0.609551510	0.382533002
## Max_cooc.L.PET	0.342638967	0.183474396
## Average_cooc.L.PET	0.498110921	0.229755858
## Variance_cooc.L.PET	0.359469655	0.167817937
## Entropy_cooc.L.PET	0.698674142	0.460540434
## DAVE_cooc.L.PET	0.436051381	0.279414496
## DVAR_cooc.L.PET	0.364171408	0.246792145
## DENT_cooc.L.PET	0.658095521	0.442739470
## SAVE_cooc.L.PET	0.497938640	0.229656122
## SVAR_cooc.L.PET	0.393731891	0.147616203
## SENT_cooc.L.PET	0.668030052	0.445392202
## ASM_cooc.L.PET	0.321028555	0.171580516
## Contrast_cooc.L.PET	0.256602814	0.177277125
## Dissimilarity_cooc.L.PET	0.436051381	0.279414496
## Inv_diff_cooc.L.PET	0.692302726	0.501896951
## Inv_diff_norm_cooc.L.PET	0.729222317	0.504945758
## IDM_cooc.L.PET	0.643495167	0.473602332
## IDM_norm_cooc.L.PET	0.724516964	0.498231723
## Inv_var_cooc.L.PET	0.653944461	0.482081881
## Correlation_cooc.L.PET	0.552461800	0.308852373
## Autocorrelation_cooc.L.PET	0.339588203	0.065047060
## Tendency_cooc.L.PET	0.393731891	0.147616203
## Shade_cooc.L.PET	0.230551836	0.194314848
## Prominence_cooc.L.PET	0.261578024	0.073489512
## IC1_.L.PET	-0.084217421	-0.060834531
## IC2_.L.PET	0.549603555	0.383660349
## Coarseness_vdif_.L.PET	0.277852166	0.130573485
## Contrast_vdif_.L.PET	0.042572020	0.077435208
## Busyness_vdif_.L.PET	0.413054018	0.294745353
## Complexity_vdif_.L.PET	0.401869011	0.327506274
## Strength_vdif_.L.PET	0.106492305	0.076867454
## SRE_align.L.PET	0.712711524	0.486248100
## LRE_align.L.PET	0.720394079	0.507718181
## GLNU_align.L.PET	0.327300812	0.231633306
## RLNU_align.L.PET	0.275351928	0.185740896
## RP_align.L.PET	0.710672105	0.485379533
## LGRE_align.L.PET	0.509573926	0.425239056

## HGRE_align.L.PET	0.336985684	0.089517296
## LGSRE_align.L.PET	0.510608563	0.423991201
## HGSRE_align.L.PET	0.335002489	0.088445905
## LGHRE_align.L.PET	0.501609488	0.426740604
## HGLRE_align.L.PET	0.343584548	0.094369856
## GLNU_norm_align.L.PET	0.527121468	0.364890885
## RLNU_norm_align.L.PET	0.703495860	0.480999668
## GLVAR_align.L.PET	0.381340186	0.167751767
## RLVAR_align.L.PET	0.530492115	0.349042332
## Entropy_align.L.PET	0.694740207	0.454343547
## SZSE.L.PET	0.710240924	0.454246235
## LZSE.L.PET	0.477227154	0.433107024
## LGLZE.L.PET	0.513805514	0.428307955
## HGLZE.L.PET	0.343891867	0.097261872
## SZLGE.L.PET	0.515574930	0.412765435
## SZHGE.L.PET	0.353830065	0.090588385
## LZLGE.L.PET	0.441317636	0.421001235
## LZHGE.L.PET	0.235733792	0.103811887
## GLNU_area.L.PET	0.330564827	0.227542061
## ZSNU.L.PET	0.279620078	0.178854624
## ZSP.L.PET	0.703153527	0.457747295
## GLNU_norm.L.PET	0.526603312	0.364401679
## ZSNU_norm.L.PET	0.687848316	0.459541512
## GLVAR_area.L.PET	0.386208327	0.172994050
## ZSVAR.L.PET	0.389433903	0.340971352
## Entropy_area.L.PET	0.703290575	0.463441903
## Max_cooc.H.PET	0.239228548	0.096268347
## Average_cooc.H.PET	0.704964628	0.473457756
## Variance_cooc.H.PET	0.580037145	0.386501404
## Entropy_cooc.H.PET	0.555922403	0.344013990
## DAVE_cooc.H.PET	0.581548739	0.434598879
## DVAR_cooc.H.PET	0.570920254	0.381201721
## DENT_cooc.H.PET	0.601355559	0.547779323
## SAVE_cooc.H.PET	0.724452327	0.510658037
## SVAR_cooc.H.PET	0.638064116	0.463465826
## SENT_cooc.H.PET	0.439766694	0.348204989
## ASM_cooc.H.PET	0.228803938	0.052813865
## Contrast_cooc.H.PET	0.494932891	0.368502850
## Dissimilarity_cooc.H.PET	0.581548739	0.434598879
## Inv_diff_cooc.H.PET	0.522748248	0.298899065
## Inv_diff_norm_cooc.H.PET	0.721565883	0.487812578
## IDM_cooc.H.PET	0.449064965	0.244972517
## IDM_norm_cooc.H.PET	0.720428072	0.491786621
## Inv_var_cooc_.H.PET	0.414790231	0.290062546
## Correlation_cooc.H.PET	0.540121602	0.291763136
## Autocorrelation_cooc.H.PET	0.673223508	0.430542951
## Tendency_cooc.H.PET	0.574132058	0.361663552
## Shade_cooc.H.PET	-0.253375755	-0.126278119
## Prominence_cooc.H.PET	0.410635031	0.247299444
## IC1_d.H.PET	-0.099043372	-0.066191712
## IC2_d.H.PET	0.593517424	0.380010210
## Coarseness_vdif.H.PET	0.303095400	0.155662660
## Contrast_vdif.H.PET	0.140203053	-0.017122990
## Busyness_vdif.H.PET	0.290429278	0.168676134

## Complexity_vdif.H.PET	0.369882907	0.324539554
## Strength_vdif.H.PET	-0.004676370	-0.084965336
## SRE_align.H.PET	0.682649542	0.485164585
## LRE_align.H.PET	0.505984407	0.321616264
## RLNU_align.H.PET	0.258306209	0.153922468
## RP_align.H.PET	0.667520526	0.475757067
## LGRE_align.H.PET	0.327251581	0.157973329
## HGRE_align.H.PET	0.667700644	0.437105200
## LGSRE_align.H.PET	0.325437311	0.156925683
## HGSRE_align.H.PET	0.681406666	0.480417307
## LGHRE_align.H.PET	0.337465052	0.165020172
## HGLRE_align.H.PET	0.360263156	0.188233938
## GLNU_norm_align.H.PET	0.392487697	0.207626290
## RLNU_norm_align.H.PET	0.619833844	0.455956094
## GLVAR_align.H.PET	0.563397153	0.378559862
## RLVAR_align.H.PET	0.268878424	0.160551270
## Entropy_align.H.PET	0.648297259	0.446180830
## SZSE.H.PET	0.616191083	0.454177797
## LZSE.H.PET	0.001324676	0.025880612
## LGLZE.H.PET	0.328207739	0.155515920
## HGLZE.H.PET	0.706413210	0.568517717
## SZLGE.H.PET	0.324863329	0.153342569
## SZHGE.H.PET	0.612869636	0.507438473
## LZLGE.H.PET	0.036056083	0.039796748
## LZHGE.H.PET	-0.002444045	-0.009972258
## GLNU_area.H.PET	0.350751105	0.237916868
## ZSNU.H.PET	0.204445706	0.089379802
## ZSP.H.PET	0.463235151	0.353737122
## GLNU_norm.H.PET	0.381526184	0.175266099
## ZSNU_norm.H.PET	0.494958285	0.393211797
## GLVAR_area.H.PET	0.552970459	0.383258957
## ZSVAR_H.PET	-0.002087253	0.010825942
## Entropy_area.H.PET	0.704893178	0.485873619
## Max_cooc.W.PET	0.252056723	0.088175638
## Average_cooc.W.PET	0.336816197	0.182302509
## Variance_cooc.W.PET	0.158464510	0.065840076
## Entropy_cooc.W.PET	0.600517724	0.430041279
## DAVE_cooc.W.PET	0.339607557	0.246678148
## DVAR_cooc.W.PET	0.155116407	0.094422151
## DENT_cooc.W.PET	0.581207952	0.431943650
## SAVE_cooc.W.PET	0.336259032	0.182017591
## SVAR_cooc.W.PET	0.156409304	0.053018127
## SENT_cooc.W.PET	0.627014309	0.455417764
## ASM_cooc.W.PET	0.283537467	0.095541070
## Contrast_cooc.W.PET	0.149305586	0.093332520
## Dissimilarity_cooc.W.PET	0.339607557	0.246678148
## Inv_diff_cooc.W.PET	0.573422962	0.349161036
## Inv_diff_norm_cooc.W.PET	0.728287927	0.503817925
## IDM_cooc.W.PET	0.481359137	0.271567531
## IDM_norm_cooc.W.PET	0.723790526	0.498264812
## Inv_var_cooc.W.PET	0.529463228	0.320204324
## Correlation_cooc.W.PET	0.553828474	0.310606331
## Autocorrelation_cooc.W.PET	0.137288288	0.011560414
## Tendency_cooc.W.PET	0.156409304	0.053018127

## Shade_cooc.W.PET	0.054542892	0.020390386
## Prominence_cooc.W.PET	0.012023374	-0.024717581
## IC1_d.W.PET	-0.091444969	-0.086353968
## IC2_d.W.PET	0.608474476	0.423451007
## Coarseness_vdif.W.PET	0.229234394	0.098484840
## Contrast_vdif.W.PET	0.253948379	0.167038880
## Busyness_vdif.W.PET	0.324299975	0.146523736
## Complexity_vdif.W.PET	0.106872968	0.032332265
## Strength_vdif.W.PET	0.213681071	0.169051100
## SRE_align.W.PET	0.704851372	0.492195513
## LRE_align.W.PET	0.647047547	0.419494788
## GLNU_align.W.PET	0.372417019	0.299423770
## RLNU_align.W.PET	0.266815133	0.169881734
## RP_align.W.PET	0.698386752	0.489807028
## LGRE_align.W.PET	0.389617300	0.257683395
## HGRE_align.W.PET	0.130242015	0.018830176
## LGSRE_align.W.PET	0.413036644	0.283877248
## HGSRE_align.W.PET	0.125945263	0.016689750
## LGHRE_align.W.PET	0.282654257	0.154785470
## HGLRE_align.W.PET	0.146991706	0.028443291
## GLNU_norm_align.W.PET	0.390401845	0.202161518
## RLNU_norm_align.W.PET	0.676761809	0.485784476
## GLVAR_align.W.PET	0.152563788	0.057683457
## RLVAR_align.W.PET	0.313745681	0.162280548
## Entropy_align.W.PET	0.644095638	0.447285090
## SZSE.W.PET	0.678935625	0.473270037
## LZSE.W.PET	0.095528043	0.033664056
## LGLZE.W.PET	0.401893302	0.263726172
## HGLZE.W.PET	0.134414509	0.023711147
## SZLGE.W.PET	0.450215626	0.323423161
## SZHGE.W.PET	0.127796960	0.016991386
## LZLGE.W.PET	0.035845190	-0.018767974
## LZHGE.W.PET	0.137512022	0.067296701
## GLNU_area.W.PET	0.375630722	0.279972349
## ZSNU.W.PET	0.243004601	0.133920002
## ZSP.W.PET	0.618905008	0.453793800
## GLNU_norm.W.PET	0.393004717	0.194681870
## ZSNU_norm.W.PET	0.597328291	0.463884950
## GLVAR_area.W.PET	0.155084767	0.064343179
## ZSVAR.W.PET	0.039560011	0.001449460
## Entropy_area.W.PET	0.685221800	0.469138753
## Min_hist.ADC	0.066912519	-0.317648842
## Max_hist.ADC	0.810880285	0.661581818
## Mean_hist.ADC	0.625377798	0.594588966
## Variance_hist.ADC	0.640212499	0.655881234
## Standard_Deviation_hist.ADC	0.771664033	0.708621777
## Skewness_hist.ADC	0.237535412	-0.386745487
## Kurtosis_hist.ADC	-0.003794491	0.132165397
## Energy_hist.ADC	0.296458633	0.133274045
## Entropy_hist.ADC	0.784352271	0.588679281
## AUC_hist.ADC	0.750707657	0.430835425
## Volume.ADC	0.403499743	0.174736112
## X3D_surface.ADC	0.639223122	0.446202270
## ratio_3ds_vol.ADC	0.227395042	0.122359186

## ratio_3ds_vol_norm.ADC	0.733968817	0.530124180
## irregularity.ADC	0.609007520	0.382960864
## Compactness_v1.ADC	0.474060015	0.262684467
##	Tendency_cooc.W.ADC	Shade_cooc.W.ADC
## Failure	-0.099681554	0.021987342
## Entropy_cooc.W.ADC	0.275563997	0.181108223
## GLNU_align.H.PET	0.160075652	0.029857279
## Min_hist.PET	0.162440509	0.156097701
## Max_hist.PET	0.224308859	0.219705288
## Mean_hist.PET	0.154730195	0.184454287
## Variance_hist.PET	0.070627831	0.190536239
## Standard_Deviation_hist.PET	0.166361167	0.202135090
## Skewness_hist.PET	0.406403137	0.087470951
## Kurtosis_hist.PET	0.355095080	0.132173392
## Energy_hist.PET	0.200877248	0.089597685
## Entropy_hist.PET	0.530534424	0.232688904
## AUC_hist.PET	0.424126379	0.170146123
## H_suv.PET	0.178865601	0.238381574
## Volume.PET	0.289564964	0.288716446
## X3D_surface.PET	0.296251035	0.082241574
## ratio_3ds_vol.PET	0.149876269	0.028866080
## ratio_3ds_vol_norm.PET	0.292254479	0.148786334
## irregularity.PET	0.374163023	0.112140562
## tumor_length.PET	0.419729642	0.153727890
## Compactness_v1.PET	0.278162050	0.133072124
## Compactness_v2.PET	0.076495137	-0.003505935
## Spherical_disproportion.PET	0.292254479	0.148786334
## Sphericity.PET	0.089940628	0.025872268
## Asphericity.PET	0.284512512	0.146581640
## Center_of_mass.PET	0.331209776	0.113686509
## Max_3D_diam.PET	0.292358133	0.190581261
## Major_axis_length.PET	0.338225221	0.218907917
## Minor_axis_length.PET	0.401646660	0.221423310
## Least_axis_length.PET	0.341508309	0.221985462
## Elongation.PET	0.294398738	0.061583317
## Flatness.PET	0.258116261	0.092450587
## Max_cooc.L.PET	0.248290177	0.121612055
## Average_cooc.L.PET	0.169641289	0.065429931
## Variance_cooc.L.PET	0.071044307	-0.059452259
## Entropy_cooc.L.PET	0.370708842	0.147862013
## DAVE_cooc.L.PET	0.154463876	-0.002831296
## DVAR_cooc.L.PET	0.121934089	-0.037961458
## DENT_cooc.L.PET	0.333234983	0.109818780
## SAVE_cooc.L.PET	0.169436079	0.065315134
## SVAR_cooc.L.PET	0.080766886	-0.046676211
## SENT_cooc.L.PET	0.343900115	0.144221954
## ASM_cooc.L.PET	0.235285819	0.117814859
## Contrast_cooc.L.PET	0.045976463	-0.071780993
## Dissimilarity_cooc.L.PET	0.154463876	-0.002831296
## Inv_diff_cooc.L.PET	0.479388915	0.212585924
## Inv_diff_norm_cooc.L.PET	0.427113491	0.171667429
## IDM_cooc.L.PET	0.473797880	0.210190523
## IDM_norm_cooc.L.PET	0.416692998	0.164707406
## Inv_var_cooc.L.PET	0.481894695	0.219868907

## Correlation_cooc.L.PET	0.322356891	0.145338510
## Autocorrelation_cooc.L.PET	0.049140868	0.017126513
## Tendency_cooc.L.PET	0.080766886	-0.046676211
## Shade_cooc.L.PET	0.093812461	-0.060600512
## Prominence_cooc.L.PET	0.007779065	-0.092801249
## IC1_.L.PET	0.058283537	0.147646220
## IC2_.L.PET	0.276547327	0.037618936
## Coarseness_vdif_.L.PET	0.159896793	0.052971198
## Contrast_vdif_.L.PET	-0.031582110	-0.077781849
## Busyness_vdif_.L.PET	0.344327680	0.214458397
## Complexity_vdif_.L.PET	0.177812413	0.012345081
## Strength_vdif_.L.PET	-0.001881482	-0.085763794
## SRE_align.L.PET	0.399007057	0.150668702
## LRE_align.L.PET	0.418721411	0.162004381
## GLNU_align.L.PET	0.288716801	0.162534569
## RLNU_align.L.PET	0.243977498	0.155819501
## RP_align.L.PET	0.396837574	0.149248961
## LGRE_align.L.PET	0.392455006	0.113569121
## HGRE_align.L.PET	0.055198620	0.024614855
## LGSRE_align.L.PET	0.391544041	0.114918327
## HGSRE_align.L.PET	0.053933387	0.022222469
## LGHRE_align.L.PET	0.393198042	0.107329709
## HGLRE_align.L.PET	0.060245152	0.033970854
## GLNU_norm_align.L.PET	0.383637196	0.149019608
## RLNU_norm_align.L.PET	0.389046638	0.144304929
## GLVAR_align.L.PET	0.081625075	-0.032604407
## RLVAR_align.L.PET	0.388670071	0.188267464
## Entropy_align.L.PET	0.366391216	0.148957732
## SZSE.L.PET	0.395297348	0.151714871
## LZSE.L.PET	0.296682586	0.114608679
## LGLZE.L.PET	0.392607629	0.111639846
## HGLZE.L.PET	0.056654962	0.023678116
## SZLGE.L.PET	0.386961720	0.112470718
## SZHGE.L.PET	0.064127243	0.024096838
## LZLGE.L.PET	0.383143094	0.105497857
## LZHGE.L.PET	0.017790028	0.023093158
## GLNU_area.L.PET	0.291281524	0.164733429
## ZSNU.L.PET	0.245252787	0.157686464
## ZSP.L.PET	0.388344802	0.144097717
## GLNU_norm.L.PET	0.383643969	0.148304646
## ZSNU_norm.L.PET	0.375735568	0.133738080
## GLVAR_area.L.PET	0.084008573	-0.029937659
## ZSVAR.L.PET	0.297522874	0.156797583
## Entropy_area.L.PET	0.375368685	0.157300147
## Max_cooc.H.PET	0.205716280	-0.062512681
## Average_cooc.H.PET	0.408603558	0.109366260
## Variance_cooc.H.PET	0.266791535	0.205042010
## Entropy_cooc.H.PET	0.221527875	0.111284682
## DAVE_cooc.H.PET	0.289503063	0.161966024
## DVAR_cooc.H.PET	0.290454239	0.183199255
## DENT_cooc.H.PET	0.440189471	0.133206541
## SAVE_cooc.H.PET	0.439042409	0.120580184
## SVAR_cooc.H.PET	0.410648626	0.226708604
## SENT_cooc.H.PET	0.223397989	0.161464721

## ASM_cooc.H.PET	0.194323770	-0.017253332
## Contrast_cooc.H.PET	0.233081181	0.156395761
## Dissimilarity_cooc.H.PET	0.289503063	0.161966024
## Inv_diff_cooc.H.PET	0.360566870	0.044088225
## Inv_diff_norm_cooc.H.PET	0.414584165	0.147771920
## IDM_cooc.H.PET	0.325750076	0.018811096
## IDM_norm_cooc.H.PET	0.409961703	0.150501108
## Inv_var_cooc_.H.PET	0.291335728	0.185402327
## Correlation_cooc.H.PET	0.291849613	0.143384421
## Autocorrelation_cooc.H.PET	0.398889377	0.078031767
## Tendency_cooc.H.PET	0.261127582	0.212980403
## Shade_cooc.H.PET	-0.052834538	-0.084232923
## Prominence_cooc.H.PET	0.155632167	0.206267901
## IC1_d.H.PET	-0.050549312	0.047228679
## IC2_d.H.PET	0.330350790	0.163386467
## Coarseness_vdif.H.PET	0.208999891	0.105531901
## Contrast_vdif.H.PET	0.095651871	0.006872220
## Busyness_vdif.H.PET	0.145572940	0.215317595
## Complexity_vdif.H.PET	0.210114944	0.101929350
## Strength_vdif.H.PET	-0.068926245	-0.032835058
## SRE_align.H.PET	0.366444702	0.168350210
## LRE_align.H.PET	0.386739497	0.011611474
## RLNU_align.H.PET	0.236894120	0.166884137
## RP_align.H.PET	0.353773810	0.167593183
## LGRE_align.H.PET	0.225880505	0.131555521
## HGRE_align.H.PET	0.403107993	0.092723787
## LGSRE_align.H.PET	0.225046887	0.130895231
## HGSRE_align.H.PET	0.392410163	0.116146831
## LGHRE_align.H.PET	0.232131518	0.133312706
## HGLRE_align.H.PET	0.287096715	-0.023701349
## GLNU_norm_align.H.PET	0.291983486	-0.009132421
## RLNU_norm_align.H.PET	0.318138604	0.166840508
## GLVAR_align.H.PET	0.261631149	0.210063819
## RLVAR_align.H.PET	0.264184177	-0.053040226
## Entropy_align.H.PET	0.349371432	0.202061254
## SZSE.H.PET	0.331281898	0.177622549
## LZSE.H.PET	0.115243727	-0.153982047
## LGLZE.H.PET	0.224411223	0.132896140
## HGLZE.H.PET	0.511557319	0.097249541
## SZLGE.H.PET	0.223805898	0.130917396
## SZHGE.H.PET	0.374264462	0.107853636
## LZLGE.H.PET	0.134816142	-0.148999324
## LZHGE.H.PET	0.091254616	-0.151798965
## GLNU_area.H.PET	0.274093204	0.178072520
## ZSNU.H.PET	0.211360773	0.159159907
## ZSP.H.PET	0.222562254	0.164340705
## GLNU_norm.H.PET	0.255199658	-0.006675645
## ZSNU_norm.H.PET	0.249670194	0.162555417
## GLVAR_area.H.PET	0.276757231	0.215197594
## ZSVAR_H.PET	0.109342089	-0.161656012
## Entropy_area.H.PET	0.403318456	0.205568873
## Max_cooc.W.PET	0.187493756	-0.009175054
## Average_cooc.W.PET	0.142515178	0.208582152
## Variance_cooc.W.PET	0.067803493	0.172883458

## Entropy_cooc.W.PET	0.307089183	0.193457176
## DAVE_cooc.W.PET	0.141267528	0.155921935
## DVAR_cooc.W.PET	0.062073877	0.155995209
## DENT_cooc.W.PET	0.293173386	0.179726902
## SAVE_cooc.W.PET	0.142087169	0.208391263
## SVAR_cooc.W.PET	0.072558450	0.180972958
## SENT_cooc.W.PET	0.325951312	0.202729789
## ASM_cooc.W.PET	0.214350321	0.044941396
## Contrast_cooc.W.PET	0.049015764	0.136116695
## Dissimilarity_cooc.W.PET	0.141267528	0.155921935
## Inv_diff_cooc.W.PET	0.377505283	0.062903669
## Inv_diff_norm_cooc.W.PET	0.426609788	0.169975568
## IDM_cooc.W.PET	0.337316380	0.031868787
## IDM_norm_cooc.W.PET	0.416329927	0.163999319
## Inv_var_cooc.W.PET	0.362973749	0.057367759
## Correlation_cooc.W.PET	0.322490418	0.149578347
## Autocorrelation_cooc.W.PET	0.058953815	0.215107254
## Tendency_cooc.W.PET	0.072558450	0.180972958
## Shade_cooc.W.PET	0.037768528	0.108098720
## Prominence_cooc.W.PET	0.022010843	0.128313975
## IC1_d.W.PET	-0.017749983	0.057968318
## IC2_d.W.PET	0.331683331	0.146432634
## Coarseness_vdif.W.PET	0.120093716	0.026683224
## Contrast_vdif.W.PET	0.050683927	0.061834556
## Busyness_vdif.W.PET	0.253619198	-0.015220058
## Complexity_vdif.W.PET	0.089801756	0.196040140
## Strength_vdif.W.PET	0.080809870	0.057456035
## SRE_align.W.PET	0.389015827	0.161439566
## LRE_align.W.PET	0.409776578	0.082818724
## GLNU_align.W.PET	0.309691012	0.142239328
## RLNU_align.W.PET	0.240256523	0.161334203
## RP_align.W.PET	0.382123842	0.163190990
## LGRE_align.W.PET	0.310476641	-0.021875905
## HGRE_align.W.PET	0.059398823	0.217633829
## LGSRE_align.W.PET	0.321731806	-0.012316557
## HGSRE_align.W.PET	0.057156780	0.215781263
## LGHRE_align.W.PET	0.259574859	-0.065863495
## HGLRE_align.W.PET	0.068212290	0.224265167
## GLNU_norm_align.W.PET	0.287037674	0.001051602
## RLNU_norm_align.W.PET	0.363272708	0.165496270
## GLVAR_align.W.PET	0.070955006	0.191636087
## RLVAR_align.W.PET	0.275046745	-0.028542803
## Entropy_align.W.PET	0.343264320	0.201127966
## SZSE.W.PET	0.371947532	0.173551458
## LZSE.W.PET	0.109476307	-0.138520402
## LGLZE.W.PET	0.316375898	-0.004024295
## HGLZE.W.PET	0.059656882	0.214553505
## SZLGE.W.PET	0.344244921	0.028133719
## SZHGE.W.PET	0.055495787	0.207433013
## LZLGE.W.PET	0.093282666	-0.148408893
## LZHGE.W.PET	0.038797082	0.176256588
## GLNU_area.W.PET	0.302018945	0.166932332
## ZSNU.W.PET	0.230428194	0.162467891
## ZSP.W.PET	0.332617585	0.187185171

## GLNU_norm.W.PET	0.283626699	0.006193201	
## ZSNU_norm.W.PET	0.316905865	0.169205841	
## GLVAR_area.W.PET	0.071980824	0.192970030	
## ZSVAR.W.PET	0.085511280	-0.155958053	
## Entropy_area.W.PET	0.379123259	0.194972002	
## Min_hist.ADC	-0.297743204	-0.116893615	
## Max_hist.ADC	0.657539009	0.328938289	
## Mean_hist.ADC	0.359288440	0.013368494	
## Variance_hist.ADC	0.988373691	0.382263471	
## Standard_Deviation_hist.ADC	0.903512351	0.354376169	
## Skewness_hist.ADC	-0.019229668	0.631025494	
## Kurtosis_hist.ADC	-0.206510531	0.146890781	
## Energy_hist.ADC	0.193530890	0.102169336	
## Entropy_hist.ADC	0.532426663	0.211368933	
## AUC_hist.ADC	0.408457141	0.295331095	
## Volume.ADC	0.286426024	0.284007492	
## X3D_surface.ADC	0.587857573	0.461344872	
## ratio_3ds_vol.ADC	0.021352970	-0.072510643	
## ratio_3ds_vol_norm.ADC	0.452963912	0.205311672	
## irregularity.ADC	0.303128179	0.113573027	
## Compactness_v1.ADC	0.280131997	0.121974042	
##	Prominence_cooc.W.ADC	IC1_d.W.ADC	IC2_d.W.ADC
## Failure	-0.097156438	-0.249688379	0.06388803
## Entropy_cooc.W.ADC	0.311637945	0.210442044	-0.02750480
## GLNU_align.H.PET	0.174674367	0.246799614	-0.09865383
## Min_hist.PET	0.077570201	-0.075935733	0.44616808
## Max_hist.PET	0.138590931	-0.045309834	0.45288190
## Mean_hist.PET	0.070744932	-0.056834683	0.43618581
## Variance_hist.PET	0.043237956	0.021437447	0.19876789
## Standard_Deviation_hist.PET	0.082136273	-0.049059554	0.44036872
## Skewness_hist.PET	0.330773023	-0.229515060	0.54961193
## Kurtosis_hist.PET	0.327645932	-0.056199262	0.19048647
## Energy_hist.PET	0.147927214	-0.092355550	0.48734335
## Entropy_hist.PET	0.359577326	-0.274311541	0.81494795
## AUC_hist.PET	0.250393889	-0.368352132	0.93770035
## H_suv.PET	0.080898760	-0.091862504	0.47452435
## Volume.PET	0.209083645	0.004756056	0.24612962
## X3D_surface.PET	0.268602424	0.107160876	0.16090087
## ratio_3ds_vol.PET	0.076308367	-0.293706114	0.60321134
## ratio_3ds_vol_norm.PET	0.253626622	-0.073216468	0.53639876
## irregularity.PET	0.204767084	-0.441248694	0.93924125
## tumor_length.PET	0.343260610	-0.018859090	0.50980959
## Compactness_v1.PET	0.202200725	-0.077685967	0.55850494
## Compactness_v2.PET	0.027824151	-0.114291873	0.17839042
## Spherical_disproportion.PET	0.253626622	-0.073216468	0.53639876
## Sphericity.PET	0.014875207	-0.170273497	0.18759480
## Asphericity.PET	0.251006670	-0.061725176	0.51565122
## Center_of_mass.PET	0.292250491	-0.042951388	0.33286006
## Max_3D_diam.PET	0.208319693	-0.110974308	0.38876010
## Major_axis_length.PET	0.274271621	-0.108554461	0.43998910
## Minor_axis_length.PET	0.285562926	-0.058723341	0.54045015
## Least_axis_length.PET	0.238440014	-0.023829758	0.43453477
## Elongation.PET	0.110685431	-0.254016935	0.77066770
## Flatness.PET	0.085438630	-0.197174562	0.68811301

## Max_cooc.L.PET	0.192879868	-0.061199363	0.50150835
## Average_cooc.L.PET	0.016871731	-0.421835514	0.77300724
## Variance_cooc.L.PET	-0.050765845	-0.461547449	0.65522172
## Entropy_cooc.L.PET	0.197891323	-0.355806542	0.90008150
## DAVE_cooc.L.PET	0.001623305	-0.466688658	0.75087399
## DVAR_cooc.L.PET	-0.010717496	-0.416543413	0.67228367
## DENT_cooc.L.PET	0.155931291	-0.431400755	0.92046625
## SAVE_cooc.L.PET	0.016658161	-0.421992238	0.77277282
## SVAR_cooc.L.PET	-0.029801496	-0.437743536	0.65333929
## SENT_cooc.L.PET	0.175156262	-0.388287265	0.92123388
## ASM_cooc.L.PET	0.186773100	-0.026864928	0.46686295
## Contrast_cooc.L.PET	-0.077287420	-0.437258949	0.56992889
## Dissimilarity_cooc.L.PET	0.001623305	-0.466688658	0.75087399
## Inv_diff_cooc.L.PET	0.338232190	-0.194282076	0.79353306
## Inv_diff_norm_cooc.L.PET	0.253220522	-0.355956350	0.92942749
## IDM_cooc.L.PET	0.349544591	-0.134263021	0.71589876
## IDM_norm_cooc.L.PET	0.241255064	-0.368770737	0.93461610
## Inv_var_cooc.L.PET	0.360650315	-0.125122681	0.71508257
## Correlation_cooc.L.PET	0.243667118	-0.115062446	0.58156002
## Autocorrelation_cooc.L.PET	-0.066470692	-0.392215483	0.59182697
## Tendency_cooc.L.PET	-0.029801496	-0.437743536	0.65333929
## Shade_cooc.L.PET	0.076835833	-0.183660642	0.33073154
## Prominence_cooc.L.PET	-0.057582546	-0.389860638	0.48636745
## IC1_.L.PET	0.133432285	0.523116033	-0.41916925
## IC2_.L.PET	0.126941014	-0.463432047	0.88625495
## Coarseness_vdif_.L.PET	0.095784325	-0.206707485	0.54054795
## Contrast_vdif_.L.PET	-0.097031345	-0.337132503	0.30189670
## Busyness_vdif_.L.PET	0.274087341	0.013307986	0.25242258
## Complexity_vdif_.L.PET	0.036236783	-0.420946183	0.71813462
## Strength_vdif_.L.PET	-0.063079142	-0.375735667	0.39154419
## SRE_align.L.PET	0.221473330	-0.390642278	0.94106695
## LRE_align.L.PET	0.241944194	-0.364782045	0.92829666
## GLNU_align.L.PET	0.240460676	0.054972728	0.19313999
## RLNU_align.L.PET	0.205756754	0.075234594	0.15495386
## RP_align.L.PET	0.219387857	-0.392664663	0.94145461
## LGRE_align.L.PET	0.295352290	-0.198309356	0.64710091
## HGRE_align.L.PET	-0.065076757	-0.397978563	0.61102058
## LGSRE_align.L.PET	0.294552184	-0.198600327	0.65148638
## HGSRE_align.L.PET	-0.066198877	-0.400157796	0.61076914
## LGHRE_align.L.PET	0.296076711	-0.194500420	0.62577558
## HGLRE_align.L.PET	-0.060100644	-0.387870711	0.61019456
## GLNU_norm_align.L.PET	0.279271322	-0.181365472	0.69919812
## RLNU_norm_align.L.PET	0.211907657	-0.398758503	0.94183325
## GLVAR_align.L.PET	-0.043709998	-0.446150058	0.66757105
## RLVAR_align.L.PET	0.293039497	-0.050643834	0.61563713
## Entropy_align.L.PET	0.193085466	-0.366312905	0.90745277
## SZSE.L.PET	0.221103752	-0.382187743	0.92092536
## LZSE.L.PET	0.171823260	-0.240614366	0.64545545
## LGLZE.L.PET	0.292041337	-0.197831630	0.65725299
## HGLZE.L.PET	-0.065047810	-0.398030021	0.61979596
## SZLGE.L.PET	0.285910761	-0.193826128	0.66500256
## SZHGE.L.PET	-0.057002842	-0.392330670	0.61656316
## LZLGE.L.PET	0.298530786	-0.170714372	0.52904908
## LZHGE.L.PET	-0.078192118	-0.324824062	0.49926237

## GLNU_area.L.PET	0.242425563	0.055453991	0.19289771
## ZSNU.L.PET	0.205217628	0.071844322	0.15538520
## ZSP.L.PET	0.213482278	-0.395264705	0.93021919
## GLNU_norm.L.PET	0.279276517	-0.177555478	0.69837202
## ZSNU_norm.L.PET	0.199624001	-0.410149936	0.93762583
## GLVAR_area.L.PET	-0.043182676	-0.444802804	0.67755616
## ZSVAR.L.PET	0.213463856	-0.046563121	0.40807636
## Entropy_area.L.PET	0.202565710	-0.354604625	0.90438810
## Max_cooc.H.PET	0.179684338	-0.277797183	0.38741567
## Average_cooc.H.PET	0.233990274	-0.449772343	0.94097925
## Variance_cooc.H.PET	0.102427835	-0.247076526	0.75653325
## Entropy_cooc.H.PET	0.079189198	-0.283713786	0.74978334
## DAVE_cooc.H.PET	0.110409665	-0.344052955	0.81178161
## DVAR_cooc.H.PET	0.115007028	-0.369360021	0.80165655
## DENT_cooc.H.PET	0.291469577	-0.196416000	0.70646920
## SAVE_cooc.H.PET	0.260018181	-0.437712930	0.93908607
## SVAR_cooc.H.PET	0.261800512	-0.192889088	0.75243586
## SENT_cooc.H.PET	0.125222114	-0.082584698	0.61527742
## ASM_cooc.H.PET	0.168924802	-0.255427204	0.37206693
## Contrast_cooc.H.PET	0.063254114	-0.329939757	0.72527340
## Dissimilarity_cooc.H.PET	0.110409665	-0.344052955	0.81178161
## Inv_diff_cooc.H.PET	0.261332241	-0.365607472	0.69577152
## Inv_diff_norm_cooc.H.PET	0.241772813	-0.385658403	0.94030458
## IDM_cooc.H.PET	0.245415568	-0.344750583	0.60683206
## IDM_norm_cooc.H.PET	0.234872679	-0.383175032	0.94013705
## Inv_var_cooc.H.PET	0.231733652	-0.028861777	0.57711996
## Correlation_cooc.H.PET	0.207905319	-0.085461522	0.57696535
## Autocorrelation_cooc.H.PET	0.237261277	-0.466458673	0.90430135
## Tendency_cooc.H.PET	0.114408716	-0.180235648	0.70574973
## Shade_cooc.H.PET	0.065130225	0.110021872	-0.35566968
## Prominence_cooc.H.PET	0.043632537	-0.028662617	0.47591911
## IC1_d.H.PET	-0.049781019	0.109712629	-0.06779703
## IC2_d.H.PET	0.225186635	-0.197431235	0.70343101
## Coarseness_vdif.H.PET	0.160455745	-0.044060970	0.46470821
## Contrast_vdif.H.PET	0.041699846	-0.449522759	0.38130871
## Busyness_vdif.H.PET	0.062663262	-0.107005774	0.09515629
## Complexity_vdif.H.PET	0.102592296	-0.235879020	0.64561180
## Strength_vdif.H.PET	-0.075085515	-0.145146388	0.07302542
## SRE_align.H.PET	0.188808310	-0.342088357	0.90259709
## LRE_align.H.PET	0.291291682	-0.369483741	0.65143328
## RLNU_align.H.PET	0.205897286	0.080533295	0.15409104
## RP_align.H.PET	0.177375682	-0.337065051	0.89091839
## LGRE_align.H.PET	0.176863998	-0.012819885	0.47394081
## HGRE_align.H.PET	0.240608035	-0.463125676	0.90769570
## LGSRE_align.H.PET	0.176443276	-0.012516670	0.47203518
## HGSRE_align.H.PET	0.215241746	-0.443297069	0.93685813
## LGHRE_align.H.PET	0.180915230	-0.015353349	0.48445091
## HGLRE_align.H.PET	0.231058238	-0.312989805	0.46180092
## GLNU_norm_align.H.PET	0.215389821	-0.391233638	0.58137971
## RLNU_norm_align.H.PET	0.148486919	-0.298883522	0.83580581
## GLVAR_align.H.PET	0.101974161	-0.217241190	0.71941552
## RLVAR_align.H.PET	0.237556712	-0.193013047	0.30459272
## Entropy_align.H.PET	0.193817205	-0.227642689	0.79359511
## SZSE.H.PET	0.170160483	-0.214803314	0.76758009

## LZSE.H.PET	0.133068284	-0.015028067	-0.04137620
## LGLZE.H.PET	0.175310882	-0.011679804	0.47393757
## HGLZE.H.PET	0.353160577	-0.375069849	0.85086964
## SZLGE.H.PET	0.175681486	-0.010788387	0.46914059
## SZHGE.H.PET	0.212459057	-0.290593768	0.78471035
## LZLGE.H.PET	0.151235379	-0.008263266	0.01770686
## LZHGE.H.PET	0.119469943	-0.051796184	-0.02536797
## GLNU_area.H.PET	0.212625020	0.042963358	0.19694148
## ZSNU.H.PET	0.192028393	0.083149598	0.12847671
## ZSP.H.PET	0.086333989	-0.142435559	0.58974507
## GLNU_norm.H.PET	0.183206832	-0.401752691	0.58453176
## ZSNU_norm.H.PET	0.109721020	-0.135293993	0.63438823
## GLVAR_area.H.PET	0.115515174	-0.200135971	0.69762056
## ZSVAR_H.PET	0.134426241	-0.024699928	-0.03604639
## Entropy_area.H.PET	0.238064262	-0.282121082	0.85557260
## Max_cooc.W.PET	0.156924101	-0.207454313	0.41548306
## Average_cooc.W.PET	0.057221567	-0.045582385	0.42639740
## Variance_cooc.W.PET	0.036358173	0.009473531	0.20424909
## Entropy_cooc.W.PET	0.153203412	-0.213802700	0.75272658
## DAVE_cooc.W.PET	0.037551331	-0.111341925	0.46671478
## DVAR_cooc.W.PET	0.013274853	-0.042424767	0.24107502
## DENT_cooc.W.PET	0.138521208	-0.229156458	0.74888043
## SAVE_cooc.W.PET	0.056866337	-0.045562659	0.42556659
## SVAR_cooc.W.PET	0.051949367	0.031849361	0.18093430
## SENT_cooc.W.PET	0.171347514	-0.228267505	0.80325863
## ASM_cooc.W.PET	0.177660883	-0.166015437	0.44578831
## Contrast_cooc.W.PET	-0.007937898	-0.049941810	0.24648574
## Dissimilarity_cooc.W.PET	0.037551331	-0.111341925	0.46671478
## Inv_diff_cooc.W.PET	0.254259606	-0.396029868	0.76591585
## Inv_diff_norm_cooc.W.PET	0.252824639	-0.359439032	0.93095437
## IDM_cooc.W.PET	0.241220865	-0.368720707	0.65212412
## IDM_norm_cooc.W.PET	0.240836195	-0.370150219	0.93526564
## Inv_var_cooc.W.PET	0.253343968	-0.381584666	0.71286628
## Correlation_cooc.W.PET	0.243763105	-0.108503900	0.57929842
## Autocorrelation_cooc.W.PET	0.037363168	0.042106957	0.18821203
## Tendency_cooc.W.PET	0.051949367	0.031849361	0.18093430
## Shade_cooc.W.PET	0.044535009	0.007149910	0.04680603
## Prominence_cooc.W.PET	0.035190254	0.010837586	0.01874896
## IC1_d.W.PET	-0.005635708	0.169659879	-0.09145947
## IC2_d.W.PET	0.207514101	-0.281538695	0.78213950
## Coarseness_vdif.W.PET	0.055470882	-0.265103615	0.52601460
## Contrast_vdif.W.PET	-0.056570196	-0.172465167	0.43984938
## Busyness_vdif.W.PET	0.212656448	-0.206098139	0.24094624
## Complexity_vdif.W.PET	0.082699479	0.003364845	0.14016687
## Strength_vdif.W.PET	0.014786042	-0.142546034	0.28090739
## SRE_align.W.PET	0.210532553	-0.366856599	0.92780660
## LRE_align.W.PET	0.265620857	-0.402604728	0.84102910
## GLNU_align.W.PET	0.241647173	0.013371728	0.20572686
## RLNU_align.W.PET	0.206165044	0.078808589	0.15519262
## RP_align.W.PET	0.203731208	-0.362357952	0.92265404
## LGRE_align.W.PET	0.240476943	-0.358186287	0.56068188
## HGRE_align.W.PET	0.037749032	0.038736500	0.18831778
## LGSRE_align.W.PET	0.244464176	-0.366212209	0.59421849
## HGSRE_align.W.PET	0.035961815	0.037222235	0.18548205

## LGHRE_align.W.PET	0.220875697	-0.300066591	0.40029518
## HGLRE_align.W.PET	0.044826920	0.044706350	0.19946009
## GLNU_norm_align.W.PET	0.212047017	-0.358950640	0.58405660
## RLNU_norm_align.W.PET	0.186977305	-0.341054457	0.89916656
## GLVAR_align.W.PET	0.043848450	0.021159156	0.19860905
## RLVAR_align.W.PET	0.236782682	-0.215334576	0.38698353
## Entropy_align.W.PET	0.184969890	-0.235762072	0.79764287
## SZSE.W.PET	0.199734864	-0.310437549	0.86930455
## LZSE.W.PET	0.121109333	-0.168212484	0.15727105
## LGLZE.W.PET	0.247503188	-0.351127351	0.57624286
## HGLZE.W.PET	0.036234465	0.033377307	0.19368439
## SZLGE.W.PET	0.263970564	-0.332524262	0.63582913
## SZHGE.W.PET	0.031804776	0.027335118	0.18689132
## LZLGE.W.PET	0.109912842	-0.105488242	0.04127194
## LZHGE.W.PET	0.034698041	0.038402651	0.21098644
## GLNU_area.W.PET	0.234859371	0.025571706	0.20812692
## ZSNU.W.PET	0.202905442	0.080718436	0.14478492
## ZSP.W.PET	0.165969005	-0.261407557	0.79511913
## GLNU_norm.W.PET	0.210383698	-0.366326112	0.60091457
## ZSNU_norm.W.PET	0.154990261	-0.254441922	0.79025509
## GLVAR_area.W.PET	0.044190440	0.020956043	0.20250615
## ZSVAR.W.PET	0.114668548	-0.114865013	0.06827764
## Entropy_area.W.PET	0.214908629	-0.270919739	0.84092265
## Min_hist.ADC	-0.317868958	-0.437699891	0.40615579
## Max_hist.ADC	0.506955315	-0.268871420	0.82400759
## Mean_hist.ADC	0.198663152	-0.464540110	0.86652111
## Variance_hist.ADC	0.900448703	-0.220879194	0.50757961
## Standard_Deviation_hist.ADC	0.746441855	-0.337023547	0.75432014
## Skewness_hist.ADC	0.039872305	-0.059955488	0.19306890
## Kurtosis_hist.ADC	-0.064754422	0.145924072	0.11791460
## Energy_hist.ADC	0.144994044	-0.102615840	0.49337071
## Entropy_hist.ADC	0.359425237	-0.176354994	0.84046040
## AUC_hist.ADC	0.244716206	-0.334362731	0.90421680
## Volume.ADC	0.202313274	0.020909755	0.23079231
## X3D_surface.ADC	0.542365310	0.260712876	0.25214081
## ratio_3ds_vol.ADC	-0.112091343	-0.777669481	0.79018348
## ratio_3ds_vol_norm.ADC	0.262447948	-0.330054048	0.87402236
## irregularity.ADC	0.122907083	-0.567149618	0.96337383
## Compactness_v1.ADC	0.190697670	-0.181315311	0.69340950
##	Coarseness_vdif.W.ADC	Contrast_vdif.W.ADC	
## Failure	0.171124642	0.254684209	
## Entropy_cooc.W.ADC	-0.150238130	-0.177448502	
## GLNU_align.H.PET	-0.040470309	-0.149043759	
## Min_hist.PET	0.070723158	0.065218207	
## Max_hist.PET	0.061499059	0.044740287	
## Mean_hist.PET	0.062092597	0.059253698	
## Variance_hist.PET	-0.009044497	0.001989862	
## Standard_Deviation_hist.PET	0.093649272	0.071690217	
## Skewness_hist.PET	0.279366093	0.186272371	
## Kurtosis_hist.PET	0.095204967	0.012928803	
## Energy_hist.PET	0.923423133	0.387983514	
## Entropy_hist.PET	0.250308632	0.254595264	
## AUC_hist.PET	0.490571910	0.375389936	
## H_suv.PET	0.199272505	0.162061962	

## Volume.PET	-0.202600272	-0.096364019
## X3D_surface.PET	0.024346887	-0.033431902
## ratio_3ds_vol.PET	0.656326366	0.390027419
## ratio_3ds_vol_norm.PET	0.582235059	0.236885094
## irregularity.PET	0.483736971	0.414201015
## tumor_length.PET	0.244117311	0.095748561
## Compactness_v1.PET	0.841732205	0.342912855
## Compactness_v2.PET	-0.239499847	-0.038514761
## Spherical_disproportion.PET	0.582235059	0.236885094
## Sphericity.PET	-0.365128768	-0.051676661
## Asphericity.PET	0.579161919	0.229279235
## Center_of_mass.PET	0.118379690	0.066144092
## Max_3D_diam.PET	-0.176253895	-0.020216751
## Major_axis_length.PET	-0.046588234	0.039469147
## Minor_axis_length.PET	0.076734881	0.037173603
## Least_axis_length.PET	-0.038951684	-0.017965990
## Elongation.PET	0.466506937	0.303872661
## Flatness.PET	0.360365671	0.227983126
## Max_cooc.L.PET	0.918115063	0.365770500
## Average_cooc.L.PET	0.424119613	0.411899142
## Variance_cooc.L.PET	0.428992219	0.427065765
## Entropy_cooc.L.PET	0.383116302	0.334424450
## DAVE_cooc.L.PET	0.442247080	0.444372616
## DVAR_cooc.L.PET	0.455260714	0.398234249
## DENT_cooc.L.PET	0.446436489	0.406940273
## SAVE_cooc.L.PET	0.423167890	0.411649493
## SVAR_cooc.L.PET	0.412229012	0.395718357
## SENT_cooc.L.PET	0.514255657	0.402289651
## ASM_cooc.L.PET	0.916098824	0.346617449
## Contrast_cooc.L.PET	0.397620733	0.419294463
## Dissimilarity_cooc.L.PET	0.442247080	0.444372616
## Inv_diff_cooc.L.PET	0.468100860	0.252547045
## Inv_diff_norm_cooc.L.PET	0.445424620	0.349914691
## IDM_cooc.L.PET	0.503564465	0.229761168
## IDM_norm_cooc.L.PET	0.449508331	0.360526898
## Inv_var_cooc.L.PET	0.497826169	0.222794444
## Correlation_cooc.L.PET	0.279457142	0.120209570
## Autocorrelation_cooc.L.PET	0.388775757	0.388643302
## Tendency_cooc.L.PET	0.412229012	0.395718357
## Shade_cooc.L.PET	0.169430428	0.117180120
## Prominence_cooc.L.PET	0.363843372	0.346434851
## IC1_.L.PET	-0.111722611	-0.356157142
## IC2_.L.PET	0.575884139	0.485646555
## Coarseness_vdif_.L.PET	0.904088549	0.449310042
## Contrast_vdif_.L.PET	0.298507115	0.305980101
## Busyness_vdif_.L.PET	-0.112772400	-0.070795209
## Complexity_vdif_.L.PET	0.477343139	0.439492650
## Strength_vdif_.L.PET	0.384098321	0.342047645
## SRE_align.L.PET	0.466085983	0.382195568
## LRE_align.L.PET	0.435468819	0.352158930
## GLNU_align.L.PET	-0.107344142	-0.086237414
## RLNU_align.L.PET	-0.152998994	-0.093868474
## RP_align.L.PET	0.467320340	0.384088070
## LGRE_align.L.PET	0.611780552	0.308229620

## HGRE_align.L.PET	0.397892880	0.390988758
## LGSRE_align.L.PET	0.622145032	0.313072352
## HGSRE_align.L.PET	0.400094604	0.392425123
## LGHRE_align.L.PET	0.568807426	0.286847236
## HGLRE_align.L.PET	0.387424404	0.383647170
## GLNU_norm_align.L.PET	0.832967058	0.386928618
## RLNU_norm_align.L.PET	0.472193344	0.390259802
## GLVAR_align.L.PET	0.427924218	0.423522723
## RLVAR_align.L.PET	0.718900994	0.271198326
## Entropy_align.L.PET	0.400396300	0.348420271
## SZSE.L.PET	0.470863414	0.378106006
## LZSE.L.PET	0.261854224	0.223196815
## LGLZE.L.PET	0.622992375	0.305855566
## HGLZE.L.PET	0.399241005	0.385553644
## SZLGE.L.PET	0.653329386	0.311463358
## SZHGE.L.PET	0.403653017	0.375863539
## LZLGE.L.PET	0.430659635	0.232720138
## LZHGE.L.PET	0.297142884	0.329964271
## GLNU_area.L.PET	-0.113303582	-0.085698192
## ZSNU.L.PET	-0.160576344	-0.093235703
## ZSP.L.PET	0.473885869	0.386356304
## GLNU_norm.L.PET	0.835507327	0.386192863
## ZSNU_norm.L.PET	0.481473264	0.396122240
## GLVAR_area.L.PET	0.434143003	0.418676638
## ZSVAR.L.PET	0.262160221	0.111592384
## Entropy_area.L.PET	0.392489522	0.337647410
## Max_cooc.H.PET	0.457986757	0.308676364
## Average_cooc.H.PET	0.460568526	0.414918389
## Variance_cooc.H.PET	0.296407493	0.250529916
## Entropy_cooc.H.PET	0.294788978	0.243181217
## DAVE_cooc.H.PET	0.354144206	0.337592744
## DVAR_cooc.H.PET	0.368451232	0.361553995
## DENT_cooc.H.PET	0.161896755	0.172970137
## SAVE_cooc.H.PET	0.435493712	0.409458132
## SVAR_cooc.H.PET	0.278395149	0.215912020
## SENT_cooc.H.PET	0.527333982	0.243954232
## ASM_cooc.H.PET	0.545142567	0.344529015
## Contrast_cooc.H.PET	0.329479094	0.338025146
## Dissimilarity_cooc.H.PET	0.354144206	0.337592744
## Inv_diff_cooc.H.PET	0.501111335	0.371639223
## Inv_diff_norm_cooc.H.PET	0.471687679	0.377081596
## IDM_cooc.H.PET	0.479994847	0.353025899
## IDM_norm_cooc.H.PET	0.462857455	0.373136979
## Inv_var_cooc_.H.PET	0.794917527	0.292366937
## Correlation_cooc.H.PET	0.268244480	0.095998246
## Autocorrelation_cooc.H.PET	0.472735822	0.429836595
## Tendency_cooc.H.PET	0.251916924	0.180828273
## Shade_cooc.H.PET	-0.154595299	-0.154164747
## Prominence_cooc.H.PET	0.116482608	0.058202844
## IC1_d.H.PET	0.304052633	0.049349771
## IC2_d.H.PET	0.340022820	0.214163247
## Coarseness_vdif.H.PET	0.923024349	0.363836470
## Contrast_vdif.H.PET	0.354674182	0.414533526
## Busyness_vdif.H.PET	-0.383073552	-0.111279845

## Complexity_vdif.H.PET	0.647424210	0.397640967
## Strength_vdif.H.PET	0.191882449	0.171921828
## SRE_align.H.PET	0.426125647	0.340511022
## LRE_align.H.PET	0.364351342	0.346624382
## RLNU_align.H.PET	-0.142281600	-0.086580360
## RP_align.H.PET	0.420426319	0.336906773
## LGRE_align.H.PET	0.907429025	0.336502883
## HGRE_align.H.PET	0.465905863	0.417598921
## LGSRE_align.H.PET	0.907737140	0.336547722
## HGSRE_align.H.PET	0.449095573	0.393579223
## LGHRE_align.H.PET	0.906427537	0.337198766
## HGLRE_align.H.PET	0.303386215	0.304340797
## GLNU_norm_align.H.PET	0.513849509	0.400394990
## RLNU_norm_align.H.PET	0.385864201	0.306339761
## GLVAR_align.H.PET	0.265943378	0.228335846
## RLVAR_align.H.PET	0.245922829	0.207636034
## Entropy_align.H.PET	0.281456863	0.227448300
## SZSE.H.PET	0.326738339	0.230949427
## LZSE.H.PET	-0.046822487	0.017703610
## LGLZE.H.PET	0.905263897	0.335118332
## HGLZE.H.PET	0.364534879	0.344629315
## SZLGE.H.PET	0.906032048	0.334685496
## SZHGE.H.PET	0.299622937	0.231073842
## LZLGE.H.PET	0.072046028	0.050877254
## LZHGE.H.PET	0.010656295	0.064229834
## GLNU_area.H.PET	-0.157779257	-0.098046748
## ZSNU.H.PET	-0.142940020	-0.074561584
## ZSP.H.PET	0.214719350	0.154661619
## GLNU_norm.H.PET	0.525955755	0.418624408
## ZSNU_norm.H.PET	0.250152998	0.164707833
## GLVAR_area.H.PET	0.246821979	0.220391254
## ZSVAR_H.PET	-0.023306346	0.030229782
## Entropy_area.H.PET	0.332846711	0.269193941
## Max_cooc.W.PET	0.652828559	0.345171419
## Average_cooc.W.PET	0.073142363	0.069061491
## Variance_cooc.W.PET	0.002328437	0.008436253
## Entropy_cooc.W.PET	0.250706819	0.210258012
## DAVE_cooc.W.PET	0.119271931	0.132638514
## DVAR_cooc.W.PET	0.012454006	0.068755143
## DENT_cooc.W.PET	0.267624367	0.227452133
## SAVE_cooc.W.PET	0.071278874	0.068376171
## SVAR_cooc.W.PET	-0.003796961	-0.019681516
## SENT_cooc.W.PET	0.373293180	0.259470995
## ASM_cooc.W.PET	0.801086693	0.386789547
## Contrast_cooc.W.PET	0.017004475	0.080874428
## Dissimilarity_cooc.W.PET	0.119271931	0.132638514
## Inv_diff_cooc.W.PET	0.517703626	0.396084776
## Inv_diff_norm_cooc.W.PET	0.448519077	0.353268905
## IDM_cooc.W.PET	0.492953967	0.373414376
## IDM_norm_cooc.W.PET	0.450716571	0.361897806
## Inv_var_cooc.W.PET	0.518576633	0.388625276
## Correlation_cooc.W.PET	0.275148405	0.113444831
## Autocorrelation_cooc.W.PET	-0.037802620	-0.017783472
## Tendency_cooc.W.PET	-0.003796961	-0.019681516

## Shade_cooc.W.PET	0.015776625	-0.015015671
## Prominence_cooc.W.PET	-0.006009725	-0.012899160
## IC1_d.W.PET	0.353513513	0.019083769
## IC2_d.W.PET	0.415566669	0.316594292
## Coarseness_vdif.W.PET	0.856707919	0.463563533
## Contrast_vdif.W.PET	0.276882632	0.230527372
## Busyness_vdif.W.PET	-0.020818310	0.108615504
## Complexity_vdif.W.PET	-0.012172880	0.013886841
## Strength_vdif.W.PET	0.174358007	0.132168255
## SRE_align.W.PET	0.446381676	0.361322332
## LRE_align.W.PET	0.444068635	0.384231002
## GLNU_align.W.PET	-0.143712652	-0.085304767
## RLNU_align.W.PET	-0.143967206	-0.089960989
## RP_align.W.PET	0.442037303	0.357355305
## LGRE_align.W.PET	0.481986963	0.372305834
## HGRE_align.W.PET	-0.044110399	-0.013201526
## LGSRE_align.W.PET	0.507916682	0.385791160
## HGSRE_align.W.PET	-0.044759285	-0.012194157
## LGHRE_align.W.PET	0.357245774	0.301801745
## HGLRE_align.W.PET	-0.041550526	-0.017001236
## GLNU_norm_align.W.PET	0.601055648	0.414218037
## RLNU_norm_align.W.PET	0.423118443	0.339891171
## GLVAR_align.W.PET	-0.011217172	0.001017359
## RLVAR_align.W.PET	0.384081063	0.267139957
## Entropy_align.W.PET	0.283611485	0.233737081
## SZSE.W.PET	0.406636378	0.314100198
## LZSE.W.PET	0.157055519	0.170969404
## LGLZE.W.PET	0.496197401	0.375929108
## HGLZE.W.PET	-0.042230704	-0.011780714
## SZLGE.W.PET	0.553695146	0.388419036
## SZHGE.W.PET	-0.043463749	-0.008849661
## LZLGE.W.PET	0.073568493	0.111661419
## LZHGE.W.PET	0.010963636	0.002311568
## GLNU_area.W.PET	-0.151211207	-0.092938499
## ZSNU.W.PET	-0.142524352	-0.082012752
## ZSP.W.PET	0.339043885	0.263005235
## GLNU_norm.W.PET	0.616716253	0.421652460
## ZSNU_norm.W.PET	0.341454190	0.261890660
## GLVAR_area.W.PET	-0.007098054	0.001423654
## ZSVAR.W.PET	0.107590540	0.124123585
## Entropy_area.W.PET	0.319681794	0.266344157
## Min_hist.ADC	0.389142867	0.297782025
## Max_hist.ADC	0.276347178	0.264813918
## Mean_hist.ADC	0.380371506	0.388094994
## Variance_hist.ADC	0.158199250	0.341826422
## Standard_Deviation_hist.ADC	0.272187749	0.411933401
## Skewness_hist.ADC	0.176936644	0.027876954
## Kurtosis_hist.ADC	0.050611736	-0.138907155
## Energy_hist.ADC	0.954428418	0.416478949
## Entropy_hist.ADC	0.282948117	0.176586389
## AUC_hist.ADC	0.451124675	0.334964722
## Volume.ADC	-0.214128677	-0.111427746
## X3D_surface.ADC	-0.094761751	-0.186824047
## ratio_3ds_vol.ADC	0.711036154	0.766215627

## ratio_3ds_vol_norm.ADC	0.327059361	0.290188867
## irregularity.ADC	0.552088779	0.547951737
## Compactness_v1.ADC	0.902016253	0.430306753
##	Busyness_vdif.W.ADC	Complexity_vdif.W.ADC
## Failure	-0.016806747	-0.216916430
## Entropy_cooc.W.ADC	0.088486417	0.377177045
## GLNU_align.H.PET	0.110907142	0.219844581
## Min_hist.PET	0.315721402	0.174419881
## Max_hist.PET	0.354055537	0.247352143
## Mean_hist.PET	0.340932678	0.182867921
## Variance_hist.PET	0.206215154	0.114165775
## Standard_Deviation_hist.PET	0.376694821	0.202448077
## Skewness_hist.PET	0.265517533	0.338409109
## Kurtosis_hist.PET	0.065720445	0.254665740
## Energy_hist.PET	0.715653606	0.164140457
## Entropy_hist.PET	0.508557769	0.504615789
## AUC_hist.PET	0.650245982	0.377344703
## H_suv.PET	0.447871337	0.195190675
## Volume.PET	0.187418733	0.263987226
## X3D_surface.PET	0.230736060	0.315169644
## ratio_3ds_vol.PET	0.468583293	0.135331798
## ratio_3ds_vol_norm.PET	0.606472596	0.361535867
## irregularity.PET	0.561701499	0.314214329
## tumor_length.PET	0.509895120	0.460026465
## Compactness_v1.PET	0.774289316	0.230947974
## Compactness_v2.PET	-0.008636649	0.038237469
## Spherical_disproportion.PET	0.606472596	0.361535867
## Sphericity.PET	-0.113956216	0.032771690
## Asphericity.PET	0.598145386	0.356624205
## Center_of_mass.PET	0.306275633	0.365539063
## Max_3D_diam.PET	0.158324263	0.296029243
## Major_axis_length.PET	0.254425508	0.353768879
## Minor_axis_length.PET	0.462480141	0.423442842
## Least_axis_length.PET	0.370643754	0.361102611
## Elongation.PET	0.632745556	0.264570887
## Flatness.PET	0.589943483	0.222806479
## Max_cooc.L.PET	0.747162457	0.210050617
## Average_cooc.L.PET	0.504269770	0.131052186
## Variance_cooc.L.PET	0.339966419	-0.002650970
## Entropy_cooc.L.PET	0.597890710	0.336334002
## DAVE_cooc.L.PET	0.411324519	0.062940618
## DVAR_cooc.L.PET	0.369872999	-0.001991537
## DENT_cooc.L.PET	0.568362275	0.269684702
## SAVE_cooc.L.PET	0.503550425	0.130859252
## SVAR_cooc.L.PET	0.354469131	0.029382247
## SENT_cooc.L.PET	0.633187205	0.309861715
## ASM_cooc.L.PET	0.753671035	0.208020245
## Contrast_cooc.L.PET	0.270965704	-0.053231073
## Dissimilarity_cooc.L.PET	0.411324519	0.062940618
## Inv_diff_cooc.L.PET	0.653014148	0.462022393
## Inv_diff_norm_cooc.L.PET	0.629682508	0.386621259
## IDM_cooc.L.PET	0.653240944	0.457973113
## IDM_norm_cooc.L.PET	0.626419911	0.372915138
## Inv_var_cooc.L.PET	0.662737330	0.475820495

## Correlation_cooc.L.PET	0.491098117	0.388917166
## Autocorrelation_cooc.L.PET	0.391939354	0.021110725
## Tendency_cooc.L.PET	0.354469131	0.029382247
## Shade_cooc.L.PET	0.111290180	0.091167246
## Prominence_cooc.L.PET	0.218319027	-0.039080750
## IC1_.L.PET	0.079461229	0.104615954
## IC2_.L.PET	0.554766321	0.233291033
## Coarseness_vdif_.L.PET	0.649782195	0.108702498
## Contrast_vdif_.L.PET	0.082502148	-0.102767831
## Busyness_vdif_.L.PET	0.189021724	0.314201028
## Complexity_vdif_.L.PET	0.414450939	0.089135519
## Strength_vdif_.L.PET	0.098666052	-0.083513864
## SRE_align.L.PET	0.622682433	0.348303197
## LRE_align.L.PET	0.614796615	0.375468438
## GLNU_align.L.PET	0.171100282	0.285663068
## RLNU_align.L.PET	0.161217435	0.270465349
## RP_align.L.PET	0.621616154	0.345705676
## LGRE_align.L.PET	0.531206704	0.303557669
## HGRE_align.L.PET	0.407150243	0.025587988
## LGSRE_align.L.PET	0.540304958	0.303620943
## HGSRE_align.L.PET	0.405271579	0.022819360
## LGHRE_align.L.PET	0.494216042	0.301278631
## HGLRE_align.L.PET	0.413320601	0.037123283
## GLNU_norm_align.L.PET	0.736006068	0.316898108
## RLNU_norm_align.L.PET	0.618843950	0.336480180
## GLVAR_align.L.PET	0.381263092	0.018170819
## RLVAR_align.L.PET	0.757905080	0.378808929
## Entropy_align.L.PET	0.605594538	0.334984840
## SZSE.L.PET	0.625634254	0.341851462
## LZSE.L.PET	0.390274896	0.279563822
## LGLZE.L.PET	0.543417311	0.305429456
## HGLZE.L.PET	0.408990774	0.028047842
## SZLGE.L.PET	0.572467413	0.303691141
## SZHGE.L.PET	0.411235106	0.032026451
## LZLGE.L.PET	0.375180930	0.291182434
## LZHGE.L.PET	0.318818988	0.016374990
## GLNU_area.L.PET	0.173618092	0.289207977
## ZSNU.L.PET	0.160746610	0.269286774
## ZSP.L.PET	0.619200814	0.333026954
## GLNU_norm.L.PET	0.741224565	0.318536786
## ZSNU_norm.L.PET	0.610587141	0.318029252
## GLVAR_area.L.PET	0.386951702	0.021553291
## ZSVAR.L.PET	0.380679673	0.302256203
## Entropy_area.L.PET	0.608012378	0.346523250
## Max_cooc.H.PET	0.243606863	0.115003748
## Average_cooc.H.PET	0.557679859	0.332374549
## Variance_cooc.H.PET	0.569011937	0.269820254
## Entropy_cooc.H.PET	0.500094306	0.189966498
## DAVE_cooc.H.PET	0.532227312	0.232668712
## DVAR_cooc.H.PET	0.536385992	0.210001778
## DENT_cooc.H.PET	0.408463235	0.455362396
## SAVE_cooc.H.PET	0.562977406	0.372078529
## SVAR_cooc.H.PET	0.576099617	0.439818171
## SENT_cooc.H.PET	0.643254090	0.267900824

## ASM_cooc.H.PET	0.318181303	0.108868619
## Contrast_cooc.H.PET	0.484056579	0.164245705
## Dissimilarity_cooc.H.PET	0.532227312	0.232668712
## Inv_diff_cooc.H.PET	0.451252860	0.290808205
## Inv_diff_norm_cooc.H.PET	0.624036211	0.366954649
## IDM_cooc.H.PET	0.387891311	0.253257068
## IDM_norm_cooc.H.PET	0.622527489	0.363240750
## Inv_var_cooc_.H.PET	0.763331896	0.306310650
## Correlation_cooc.H.PET	0.504256055	0.368912111
## Autocorrelation_cooc.H.PET	0.514364492	0.311596209
## Tendency_cooc.H.PET	0.563943164	0.302708732
## Shade_cooc.H.PET	-0.286921901	-0.064693175
## Prominence_cooc.H.PET	0.462704549	0.244110212
## IC1_d.H.PET	0.166657269	-0.145587227
## IC2_d.H.PET	0.550824924	0.385221996
## Coarseness_vdif.H.PET	0.740674453	0.181163380
## Contrast_vdif.H.PET	0.158319368	-0.028066237
## Busyness_vdif.H.PET	-0.111758969	0.087790562
## Complexity_vdif.H.PET	0.590693189	0.182664761
## Strength_vdif.H.PET	0.017854880	-0.104091860
## SRE_align.H.PET	0.613967611	0.326921303
## LRE_align.H.PET	0.352574530	0.301091334
## RLNU_align.H.PET	0.172320827	0.260311440
## RP_align.H.PET	0.607182409	0.314523321
## LGRE_align.H.PET	0.776182358	0.209311310
## HGRE_align.H.PET	0.519517077	0.317605812
## LGSRE_align.H.PET	0.774901539	0.208024539
## HGSRE_align.H.PET	0.542514795	0.314415461
## LGHRE_align.H.PET	0.782771493	0.218156893
## HGLRE_align.H.PET	0.251245684	0.224974948
## GLNU_norm_align.H.PET	0.329234175	0.179665357
## RLNU_norm_align.H.PET	0.581396337	0.286003926
## GLVAR_align.H.PET	0.557516770	0.275741592
## RLVAR_align.H.PET	0.194343701	0.232420836
## Entropy_align.H.PET	0.584067108	0.358128921
## SZSE.H.PET	0.571964611	0.313303560
## LZSE.H.PET	-0.080874303	0.104493349
## LGLZE.H.PET	0.777335045	0.208642298
## HGLZE.H.PET	0.444931954	0.435710647
## SZLGE.H.PET	0.773954823	0.205378893
## SZHGE.H.PET	0.448647333	0.319668188
## LZLGE.H.PET	0.037639477	0.138269647
## LZHGE.H.PET	-0.055381335	0.068377568
## GLNU_area.H.PET	0.159769529	0.266877160
## ZSNU.H.PET	0.159144362	0.232668193
## ZSP.H.PET	0.442321060	0.205706434
## GLNU_norm.H.PET	0.350667621	0.148437414
## ZSNU_norm.H.PET	0.494134588	0.245300898
## GLVAR_area.H.PET	0.544597334	0.288450990
## ZSVAR_H.PET	-0.065112069	0.090847369
## Entropy_area.H.PET	0.600416675	0.393080899
## Max_cooc.W.PET	0.425231239	0.119026310
## Average_cooc.W.PET	0.374883691	0.185296377
## Variance_cooc.W.PET	0.198618463	0.102099186

## Entropy_cooc.W.PET	0.543665835	0.308968464
## DAVE_cooc.W.PET	0.351912647	0.138982476
## DVAR_cooc.W.PET	0.191342764	0.070202734
## DENT_cooc.W.PET	0.524300372	0.278509148
## SAVE_cooc.W.PET	0.373418438	0.184924819
## SVAR_cooc.W.PET	0.193988248	0.118802473
## SENT_cooc.W.PET	0.612017897	0.333131049
## ASM_cooc.W.PET	0.569616936	0.151085877
## Contrast_cooc.W.PET	0.192052727	0.048992621
## Dissimilarity_cooc.W.PET	0.351912647	0.138982476
## Inv_diff_cooc.W.PET	0.491867359	0.306422207
## Inv_diff_norm_cooc.W.PET	0.629246051	0.385162192
## IDM_cooc.W.PET	0.414784189	0.264331967
## IDM_norm_cooc.W.PET	0.626190971	0.372206729
## Inv_var_cooc.W.PET	0.465868934	0.296038362
## Correlation_cooc.W.PET	0.492164779	0.390871823
## Autocorrelation_cooc.W.PET	0.213703609	0.119217256
## Tendency_cooc.W.PET	0.193988248	0.118802473
## Shade_cooc.W.PET	0.053235077	0.064863152
## Prominence_cooc.W.PET	0.029439093	0.049914337
## IC1_d.W.PET	0.224755058	-0.100668791
## IC2_d.W.PET	0.573833247	0.360976274
## Coarseness_vdif.W.PET	0.573129956	0.059946479
## Contrast_vdif.W.PET	0.340779718	0.004062696
## Busyness_vdif.W.PET	0.021585797	0.178961972
## Complexity_vdif.W.PET	0.132807343	0.119074970
## Strength_vdif.W.PET	0.112893666	0.017021819
## SRE_align.W.PET	0.622318968	0.344239726
## LRE_align.W.PET	0.523213248	0.351314497
## GLNU_align.W.PET	0.129272290	0.304372461
## RLNU_align.W.PET	0.168480406	0.264763637
## RP_align.W.PET	0.620042511	0.338287558
## LGRE_align.W.PET	0.294926685	0.190740909
## HGRE_align.W.PET	0.210026629	0.120544082
## LGSRE_align.W.PET	0.323980516	0.200568368
## HGSRE_align.W.PET	0.205249367	0.116438573
## LGHRE_align.W.PET	0.173863115	0.153303672
## HGLRE_align.W.PET	0.228683550	0.137409033
## GLNU_norm_align.W.PET	0.397215597	0.180436171
## RLNU_norm_align.W.PET	0.610374209	0.324171774
## GLVAR_align.W.PET	0.204551762	0.114873344
## RLVAR_align.W.PET	0.298936311	0.232090510
## Entropy_align.W.PET	0.580546471	0.347323369
## SZSE.W.PET	0.614120084	0.334593982
## LZSE.W.PET	0.056906027	0.069397936
## LGLZE.W.PET	0.331181295	0.199704325
## HGLZE.W.PET	0.205746435	0.117696828
## SZLGE.W.PET	0.423239509	0.231884201
## SZHGE.W.PET	0.190752916	0.106329831
## LZLGE.W.PET	-0.044804738	0.038494665
## LZHGE.W.PET	0.265535986	0.152050308
## GLNU_area.W.PET	0.148788169	0.295971306
## ZSNU.W.PET	0.167247506	0.251338644
## ZSP.W.PET	0.561582936	0.302705271

## GLNU_norm.W.PET	0.421340342	0.178896997	
## ZSNU_norm.W.PET	0.560723055	0.291766929	
## GLVAR_area.W.PET	0.205256037	0.116431708	
## ZSVAR.W.PET	0.012357037	0.049374013	
## Entropy_area.W.PET	0.597077648	0.374074524	
## Min_hist.ADC	0.146270054	-0.351632133	
## Max_hist.ADC	0.561020421	0.632934947	
## Mean_hist.ADC	0.412461199	0.312181198	
## Variance_hist.ADC	0.307472937	0.834742596	
## Standard_Deviation_hist.ADC	0.447751964	0.766970859	
## Skewness_hist.ADC	0.311439613	-0.055584031	
## Kurtosis_hist.ADC	0.245468430	0.044029630	
## Energy_hist.ADC	0.740980577	0.158575762	
## Entropy_hist.ADC	0.628455370	0.520266287	
## AUC_hist.ADC	0.669391284	0.363522591	
## Volume.ADC	0.179208783	0.266718984	
## X3D_surface.ADC	0.538350273	0.709378517	
## ratio_3ds_vol.ADC	0.300609705	-0.128565846	
## ratio_3ds_vol_norm.ADC	0.585831475	0.389562166	
## irregularity.ADC	0.532798526	0.206147063	
## Compactness_v1.ADC	0.789067786	0.250147299	
##	Strength_vdif.W.ADC	SRE_align.W.ADC	LRE_align.W.ADC
## Failure	0.282770047	0.0026115977	-0.0007343564
## Entropy_cooc.W.ADC	-0.212306103	0.0260478390	0.0281622661
## GLNU_align.H.PET	-0.228279725	-0.0427018873	-0.0372910888
## Min_hist.PET	-0.022265065	0.5305779903	0.5313958754
## Max_hist.PET	-0.032214391	0.5459161821	0.5500670317
## Mean_hist.PET	-0.039418294	0.5306786723	0.5334546025
## Variance_hist.PET	-0.063690909	0.2633026240	0.2666736302
## Standard_Deviation_hist.PET	-0.014904117	0.5384487769	0.5439342819
## Skewness_hist.PET	0.268108568	0.5378190506	0.5337749538
## Kurtosis_hist.PET	0.111224047	0.1537221854	0.1497713333
## Energy_hist.PET	0.343296589	0.4529977322	0.4400015989
## Entropy_hist.PET	0.204279889	0.8715746587	0.8699830857
## AUC_hist.PET	0.343587991	0.9955889667	0.9943503571
## H_suv.PET	0.056555987	0.5638240009	0.5676012831
## Volume.PET	-0.148903571	0.3241132775	0.3361982443
## X3D_surface.PET	-0.107879265	0.2223851096	0.2264024177
## ratio_3ds_vol.PET	0.414519800	0.5777468786	0.5674158137
## ratio_3ds_vol_norm.PET	0.217394838	0.5868235812	0.5845719990
## irregularity.PET	0.410798464	0.9691964466	0.9652436259
## tumor_length.PET	0.029138403	0.6024452176	0.6083385315
## Compactness_v1.PET	0.274997823	0.5585817739	0.5511364945
## Compactness_v2.PET	-0.060739808	0.2284245254	0.2377700344
## Spherical_disproportion.PET	0.217394838	0.5868235812	0.5845719990
## Sphericity.PET	-0.058866808	0.2274709162	0.2360298124
## Asphericity.PET	0.210321282	0.5649670511	0.5626895309
## Center_of_mass.PET	0.036122970	0.3712388745	0.3762214424
## Max_3D_diam.PET	-0.060614900	0.4589675980	0.4666849186
## Major_axis_length.PET	-0.024555553	0.5044739944	0.5094695343
## Minor_axis_length.PET	-0.023532294	0.6577082233	0.6671899166
## Least_axis_length.PET	-0.077549762	0.5555224300	0.5663828048
## Elongation.PET	0.269487358	0.8588754725	0.8589481586
## Flatness.PET	0.194269478	0.7945774490	0.7969930473

## Max_cooc.L.PET	0.320652808	0.4776226079	0.4664088930
## Average_cooc.L.PET	0.358931774	0.8127182835	0.8110689284
## Variance_cooc.L.PET	0.430724192	0.6486416003	0.6435422815
## Entropy_cooc.L.PET	0.291901830	0.9794413422	0.9816077864
## DAVE_cooc.L.PET	0.424922948	0.7593172828	0.7539257914
## DVAR_cooc.L.PET	0.413016788	0.6717732821	0.6688060820
## DENT_cooc.L.PET	0.377021072	0.9705365164	0.9690233899
## SAVE_cooc.L.PET	0.358731768	0.8125209145	0.8108837806
## SVAR_cooc.L.PET	0.405341644	0.6567406056	0.6538752764
## SENT_cooc.L.PET	0.371928390	0.9763506689	0.9741152245
## ASM_cooc.L.PET	0.292522579	0.4485310587	0.4378056859
## Contrast_cooc.L.PET	0.413005632	0.5483869376	0.5404289004
## Dissimilarity_cooc.L.PET	0.424922948	0.7593172828	0.7539257914
## Inv_diff_cooc.L.PET	0.226535368	0.8542642504	0.8534602276
## Inv_diff_norm_cooc.L.PET	0.319787445	0.9941581693	0.9937636652
## IDM_cooc.L.PET	0.205551830	0.7658548041	0.7639179139
## IDM_norm_cooc.L.PET	0.329967749	0.9978831898	0.9973353401
## Inv_var_cooc.L.PET	0.195065676	0.7701279739	0.7693914428
## Correlation_cooc.L.PET	0.113603943	0.6572692299	0.6620150091
## Autocorrelation_cooc.L.PET	0.340685884	0.6068272077	0.6045580255
## Tendency_cooc.L.PET	0.405341644	0.6567406056	0.6538752764
## Shade_cooc.L.PET	0.193547132	0.3241958658	0.3234808838
## Prominence_cooc.L.PET	0.382913599	0.4638453014	0.4603200736
## IC1_.L.PET	-0.410155547	-0.3594833030	-0.3479052248
## IC2_.L.PET	0.472318799	0.9024606601	0.8944919469
## Coarseness_vdif_.L.PET	0.420458592	0.4877878857	0.4728571454
## Contrast_vdif_.L.PET	0.338253762	0.2363983032	0.2229164682
## Busyness_vdif_.L.PET	-0.105774123	0.3123780020	0.3219501425
## Complexity_vdif_.L.PET	0.419808551	0.7191015996	0.7113925312
## Strength_vdif_.L.PET	0.402844523	0.3016811931	0.2870712644
## SRE_align.L.PET	0.351865443	0.9994918507	0.9983333070
## LRE_align.L.PET	0.324253629	0.9915973440	0.9909222672
## GLNU_align.L.PET	-0.125221796	0.2573591529	0.2669892468
## RLNU_align.L.PET	-0.168438086	0.2314215449	0.2405923516
## RP_align.L.PET	0.353786353	0.9993023726	0.9980616745
## LGRE_align.L.PET	0.330525999	0.6342031624	0.6260985220
## HGRE_align.L.PET	0.340545546	0.6284457054	0.6250536784
## LGSRE_align.L.PET	0.333021772	0.6391136494	0.6309344271
## HGSRE_align.L.PET	0.343247370	0.6269504996	0.6234580768
## LGHRE_align.L.PET	0.317901284	0.6112816557	0.6035162883
## HGLRE_align.L.PET	0.328533681	0.6326332530	0.6296520413
## GLNU_norm_align.L.PET	0.370561167	0.6851877883	0.6749881252
## RLNU_norm_align.L.PET	0.360146635	0.9978869758	0.9964093119
## GLVAR_align.L.PET	0.407410099	0.6755077787	0.6717195042
## RLVAR_align.L.PET	0.225524984	0.6472455846	0.6422544371
## Entropy_align.L.PET	0.304337854	0.9842475359	0.9856264142
## SZSE.L.PET	0.347590701	0.9776204554	0.9768557562
## LZSE.L.PET	0.212544017	0.6917038616	0.6898627554
## LGLZE.L.PET	0.328039553	0.6459394107	0.6380686763
## HGLZE.L.PET	0.340337322	0.6380274013	0.6348033355
## SZLGE.L.PET	0.327836523	0.6554626766	0.6476903122
## SZHGE.L.PET	0.338765708	0.6332288280	0.6303567516
## LZLGE.L.PET	0.278673983	0.5118641473	0.5044617314
## LZHGE.L.PET	0.267111902	0.5215734115	0.5176914886

## GLNU_area.L.PET	-0.130743148	0.2588347779	0.2684825946
## ZSNU.L.PET	-0.171960947	0.2324909274	0.2416453234
## ZSP.L.PET	0.357303784	0.9840328186	0.9827571498
## GLNU_norm.L.PET	0.367714995	0.6854839558	0.6753367013
## ZSNU_norm.L.PET	0.371744576	0.9859369556	0.9836127629
## GLVAR_area.L.PET	0.407033008	0.6864766557	0.6827275591
## ZSVAR.L.PET	0.106443145	0.4502181429	0.4490159447
## Entropy_area.L.PET	0.293826615	0.9847301678	0.9866615382
## Max_cooc.H.PET	0.366486637	0.3139211617	0.3040240657
## Average_cooc.H.PET	0.412337050	0.9744467837	0.9717402722
## Variance_cooc.H.PET	0.170097401	0.8568711892	0.8599926610
## Entropy_cooc.H.PET	0.193390729	0.8352877383	0.8405522150
## DAVE_cooc.H.PET	0.273591707	0.8799192030	0.8795125013
## DVAR_cooc.H.PET	0.304123573	0.8561279176	0.8546186903
## DENT_cooc.H.PET	0.094783154	0.7735188229	0.7738072290
## SAVE_cooc.H.PET	0.391769582	0.9805871425	0.9785205385
## SVAR_cooc.H.PET	0.121108569	0.8444252551	0.8448632540
## SENT_cooc.H.PET	0.169574446	0.6956707215	0.6948701844
## ASM_cooc.H.PET	0.381730510	0.2998148321	0.2885329091
## Contrast_cooc.H.PET	0.260788731	0.7855283859	0.7839896918
## Dissimilarity_cooc.H.PET	0.273591707	0.8799192030	0.8795125013
## Inv_diff_cooc.H.PET	0.411405145	0.6769396997	0.6700799824
## Inv_diff_norm_cooc.H.PET	0.354004928	0.9960223178	0.9947553418
## IDM_cooc.H.PET	0.402717213	0.5729883363	0.5652213317
## IDM_norm_cooc.H.PET	0.346974552	0.9987152220	0.9977204111
## Inv_var_cooc.H.PET	0.230837290	0.5992643377	0.5926215220
## Correlation_cooc.H.PET	0.075819356	0.6645425684	0.6701890291
## Autocorrelation_cooc.H.PET	0.445997331	0.9174309851	0.9134820368
## Tendency_cooc.H.PET	0.105865291	0.8187764639	0.8241379462
## Shade_cooc.H.PET	-0.076473998	-0.4156871340	-0.4176851021
## Prominence_cooc.H.PET	-0.048328493	0.6028756255	0.6101171664
## IC1_d.H.PET	0.023282083	-0.1076985873	-0.1109823431
## IC2_d.H.PET	0.180492494	0.7810578622	0.7832199003
## Coarseness_vdif.H.PET	0.308326943	0.4420057762	0.4306486752
## Contrast_vdif.H.PET	0.467147924	0.2949368198	0.2834036314
## Busyness_vdif.H.PET	-0.087192248	0.1179387887	0.1273118623
## Complexity_vdif.H.PET	0.350744278	0.6662596225	0.6575705580
## Strength_vdif.H.PET	0.185423324	0.0256484797	0.0192678634
## SRE_align.H.PET	0.294434022	0.9735331357	0.9736187833
## LRE_align.H.PET	0.374834966	0.6398845293	0.6350964726
## RLNU_align.H.PET	-0.175737491	0.2308434747	0.2400181283
## RP_align.H.PET	0.287362652	0.9617637907	0.9617216558
## LGRE_align.H.PET	0.269419168	0.4655603571	0.4558097572
## HGRE_align.H.PET	0.431311981	0.9226397379	0.9178004510
## LGSRE_align.H.PET	0.269673260	0.4631500867	0.4533638575
## HGSRE_align.H.PET	0.393604475	0.9674112213	0.9635486912
## LGHRE_align.H.PET	0.269404098	0.4784737765	0.4688552992
## HGLRE_align.H.PET	0.337601052	0.4398873428	0.4348709290
## GLNU_norm_align.H.PET	0.466247210	0.5171407258	0.5066395503
## RLNU_norm_align.H.PET	0.245470056	0.9114945682	0.9120116391
## GLVAR_align.H.PET	0.139388584	0.8234844692	0.8272696482
## RLVAR_align.H.PET	0.241429359	0.2854092778	0.2813922673
## Entropy_align.H.PET	0.155085655	0.9007085037	0.9052707837
## SZSE.H.PET	0.170658889	0.8573472491	0.8599117730

## LZSE.H.PET	0.009166461	-0.0590304460	-0.0611746683
## LGLZE.H.PET	0.267138095	0.4662182130	0.4565774845
## HGLZE.H.PET	0.353330956	0.8704172484	0.8650062749
## SZLGE.H.PET	0.268075783	0.4598813569	0.4501537660
## SZHGE.H.PET	0.240322835	0.8337063255	0.8317089516
## LZLGE.H.PET	0.032538707	0.0054690935	0.0027981805
## LZHGE.H.PET	0.062479470	-0.0499793763	-0.0515829037
## GLNU_area.H.PET	-0.144854686	0.2675973713	0.2784869877
## ZSNU.H.PET	-0.184016120	0.2012167478	0.2088059631
## ZSP.H.PET	0.088044595	0.6736647735	0.6768514832
## GLNU_norm.H.PET	0.474040287	0.5295467902	0.5210459069
## ZSNU_norm.H.PET	0.088686734	0.7264826391	0.7286966203
## GLVAR_area.H.PET	0.131668744	0.8026068381	0.8051080351
## ZSVAR_H.PET	0.025484458	-0.0559896613	-0.0573800414
## Entropy_area.H.PET	0.220150195	0.9476121011	0.9509460475
## Max_cooc.W.PET	0.361112643	0.3535427630	0.3425349484
## Average_cooc.W.PET	-0.036469843	0.5271920139	0.5328797298
## Variance_cooc.W.PET	-0.048193518	0.2630936804	0.2660733136
## Entropy_cooc.W.PET	0.134646218	0.8580252006	0.8627538873
## DAVE_cooc.W.PET	0.039378024	0.5531065173	0.5565393703
## DVAR_cooc.W.PET	-0.010201286	0.2965840339	0.2980426505
## DENT_cooc.W.PET	0.156457786	0.8428860077	0.8464903423
## SAVE_cooc.W.PET	-0.037058952	0.5264176557	0.5321281327
## SVAR_cooc.W.PET	-0.061929190	0.2376590655	0.2412181427
## SENT_cooc.W.PET	0.195214574	0.8975274507	0.8997078196
## ASM_cooc.W.PET	0.378866173	0.3904196604	0.3779675342
## Contrast_cooc.W.PET	-0.008281577	0.3056463996	0.3068559526
## Dissimilarity_cooc.W.PET	0.039378024	0.5531065173	0.5565393703
## Inv_diff_cooc.W.PET	0.427006789	0.7561578870	0.7495453666
## Inv_diff_norm_cooc.W.PET	0.323884187	0.9945146065	0.9939667868
## IDM_cooc.W.PET	0.417297769	0.6229635529	0.6151437660
## IDM_norm_cooc.W.PET	0.331518956	0.9980456413	0.9974227740
## Inv_var_cooc.W.PET	0.427364556	0.6930020106	0.6858138995
## Correlation_cooc.W.PET	0.105984542	0.6566487989	0.6616295947
## Autocorrelation_cooc.W.PET	-0.106388475	0.2602905577	0.2644563967
## Tendency_cooc.W.PET	-0.061929190	0.2376590655	0.2412181427
## Shade_cooc.W.PET	0.021737065	0.0462692686	0.0467053532
## Prominence_cooc.W.PET	0.014154855	0.0142762322	0.0138779858
## IC1_d.W.PET	-0.009753863	-0.1254060734	-0.1283702975
## IC2_d.W.PET	0.273157714	0.8482587952	0.8476663756
## Coarseness_vdif.W.PET	0.445715909	0.4571841496	0.4402591121
## Contrast_vdif.W.PET	0.157732989	0.4870963215	0.4843065410
## Busyness_vdif.W.PET	0.152000310	0.2307673658	0.2329926691
## Complexity_vdif.W.PET	-0.020284207	0.1721029534	0.1730661908
## Strength_vdif.W.PET	0.169644485	0.2546805531	0.2496619963
## SRE_align.W.PET	0.323412647	0.9934834982	0.9930690848
## LRE_align.W.PET	0.387627778	0.8680868992	0.8647815029
## GLNU_align.W.PET	-0.093503340	0.2628766908	0.2713325773
## RLNU_align.W.PET	-0.171087640	0.2316317769	0.2409090594
## RP_align.W.PET	0.317351446	0.9892452074	0.9888640274
## LGRE_align.W.PET	0.437299373	0.5003080211	0.4902028827
## HGRE_align.W.PET	-0.104561186	0.2629795245	0.2668287823
## LGSRE_align.W.PET	0.448840510	0.5366169690	0.5264840387
## HGSRE_align.W.PET	-0.102641390	0.2587248186	0.2624450545

## LGHRE_align.W.PET	0.363971350	0.3359901239	0.3268888370
## HGLRE_align.W.PET	-0.111831165	0.2797920780	0.2841573838
## GLNU_norm_align.W.PET	0.466123524	0.5190443123	0.5076162672
## RLNU_norm_align.W.PET	0.292898985	0.9702774910	0.9704218772
## GLVAR_align.W.PET	-0.063956009	0.2630980526	0.2665176748
## RLVAR_align.W.PET	0.295980556	0.3615287975	0.3558904193
## Entropy_align.W.PET	0.161082486	0.9031004454	0.9074262301
## SZSE.W.PET	0.264844583	0.9435420573	0.9446790445
## LZSE.W.PET	0.188308276	0.1287399410	0.1269623866
## LGLZE.W.PET	0.438217483	0.5248127585	0.5162424587
## HGLZE.W.PET	-0.098623438	0.2664950894	0.2702852801
## SZLGE.W.PET	0.434541717	0.5997138373	0.5925071409
## SZHGE.W.PET	-0.091747825	0.2544721460	0.2578856182
## LZLGE.W.PET	0.123577069	-0.0006505703	-0.0047635300
## LZHGE.W.PET	-0.084599829	0.3012933659	0.3084939682
## GLNU_area.W.PET	-0.116461514	0.2723803872	0.2820955905
## ZSNU.W.PET	-0.177742919	0.2197149495	0.2284710343
## ZSP.W.PET	0.208034269	0.8733266081	0.8744404670
## GLNU_norm.W.PET	0.471501715	0.5389708927	0.5279515033
## ZSNU_norm.W.PET	0.199572796	0.8691479761	0.8704022996
## GLVAR_area.W.PET	-0.061238185	0.2669700966	0.2704271404
## ZSVAR.W.PET	0.139474864	0.0402730720	0.0400063758
## Entropy_area.W.PET	0.204129888	0.9403266930	0.9440674632
## Min_hist.ADC	0.340296659	0.3365936571	0.3415410514
## Max_hist.ADC	0.247388160	0.8795537389	0.8800326320
## Mean_hist.ADC	0.386690737	0.8676288784	0.8687378932
## Variance_hist.ADC	0.283057980	0.4526190629	0.4334687826
## Standard_Deviation_hist.ADC	0.363000889	0.7281699621	0.7113295610
## Skewness_hist.ADC	0.111804701	0.2277208983	0.2364785307
## Kurtosis_hist.ADC	-0.052359410	0.2660685377	0.2966385022
## Energy_hist.ADC	0.357330117	0.4620108140	0.4503246947
## Entropy_hist.ADC	0.137431726	0.9494479608	0.9517934144
## AUC_hist.ADC	0.307214033	0.9758077859	0.9774067367
## Volume.ADC	-0.164257039	0.3115806397	0.3239965291
## X3D_surface.ADC	-0.306323624	0.4208038294	0.4366435675
## ratio_3ds_vol.ADC	0.758475358	0.6613451907	0.6400408311
## ratio_3ds_vol_norm.ADC	0.261004239	0.9382772580	0.9394568565
## irregularity.ADC	0.520160569	0.9626374618	0.9556937569
## Compactness_v1.ADC	0.378285591	0.6976117429	0.6885796056
##	GLNU_align.W.ADC	RLNU_align.W.ADC	RP_align.W.ADC
## Failure	-0.1483487324	-0.168578522	0.002919667
## Entropy_cooc.W.ADC	0.2075934446	0.265424697	0.025823533
## GLNU_align.H.PET	0.1275817985	0.166288711	-0.043133957
## Min_hist.PET	0.2885386130	0.274982165	0.530447931
## Max_hist.PET	0.3437109473	0.314914865	0.545536884
## Mean_hist.PET	0.3191744189	0.287812189	0.530411137
## Variance_hist.PET	0.2243798093	0.183267801	0.263022287
## Standard_Deviation_hist.PET	0.3447981331	0.293768704	0.537990185
## Skewness_hist.PET	0.1541542004	0.219859024	0.538012915
## Kurtosis_hist.PET	0.0299033128	0.104310358	0.153962028
## Energy_hist.PET	0.0303537335	0.075997932	0.453858187
## Entropy_hist.PET	0.3828014984	0.412637406	0.871536397
## AUC_hist.PET	0.3743999710	0.360438618	0.995544203
## H_suv.PET	0.3637438785	0.320398330	0.563503530

## Volume.PET	0.3646842984	0.352032999	0.323209734
## X3D_surface.PET	0.2338491630	0.244443038	0.222026311
## ratio_3ds_vol.PET	0.0312440983	0.044666493	0.578422876
## ratio_3ds_vol_norm.PET	0.2586810342	0.259470293	0.586908586
## irregularity.PET	0.2762046700	0.263005583	0.969348669
## tumor_length.PET	0.3974346257	0.388279319	0.601913833
## Compactness_v1.PET	0.1637958767	0.190572714	0.559028392
## Compactness_v2.PET	0.2136621275	0.152164185	0.227725481
## Spherical_disproportion.PET	0.2586810342	0.259470293	0.586908586
## Sphericity.PET	0.2036343219	0.151104411	0.226828319
## Asphericity.PET	0.2513189556	0.253011026	0.565056756
## Center_of_mass.PET	0.3050651241	0.300458270	0.370797812
## Max_3D_diam.PET	0.3539993776	0.327549030	0.458332219
## Major_axis_length.PET	0.3526136649	0.347427189	0.504020143
## Minor_axis_length.PET	0.4988846500	0.464668399	0.656931994
## Least_axis_length.PET	0.4840535665	0.432878133	0.554663364
## Elongation.PET	0.3627136808	0.320189030	0.858772673
## Flatness.PET	0.3936935726	0.329350466	0.794323383
## Max_cooc.L.PET	0.0645859154	0.113054688	0.478348889
## Average_cooc.L.PET	0.2436859317	0.177637224	0.812768030
## Variance_cooc.L.PET	0.0864077216	0.038622616	0.648975978
## Entropy_cooc.L.PET	0.4003808008	0.359591755	0.979168791
## DAVE_cooc.L.PET	0.1503931889	0.110186160	0.759647034
## DVAR_cooc.L.PET	0.0964227098	0.044847588	0.671946266
## DENT_cooc.L.PET	0.3219976423	0.287462978	0.970534498
## SAVE_cooc.L.PET	0.2437018038	0.177568412	0.812569842
## SVAR_cooc.L.PET	0.1141073103	0.061512151	0.656914152
## SENT_cooc.L.PET	0.3310079532	0.303215444	0.976395208
## ASM_cooc.L.PET	0.0705255093	0.118215566	0.449227165
## Contrast_cooc.L.PET	0.0307707521	-0.002961485	0.548931548
## Dissimilarity_cooc.L.PET	0.1503931889	0.110186160	0.759647034
## Inv_diff_cooc.L.PET	0.3705095096	0.380955805	0.854170422
## Inv_diff_norm_cooc.L.PET	0.3829307127	0.363096196	0.994049072
## IDM_cooc.L.PET	0.3328033847	0.356324258	0.765844956
## IDM_norm_cooc.L.PET	0.3769115591	0.354760175	0.997788186
## Inv_var_cooc.L.PET	0.3504198830	0.374210822	0.770034263
## Correlation_cooc.L.PET	0.3416408963	0.321545030	0.656817730
## Autocorrelation_cooc.L.PET	0.1380010612	0.067857935	0.606962432
## Tendency_cooc.L.PET	0.1141073103	0.061512151	0.656914152
## Shade_cooc.L.PET	0.0639073346	0.082530732	0.324223157
## Prominence_cooc.L.PET	0.0151351260	-0.016260580	0.464097090
## IC1_.L.PET	0.1253508457	0.154781243	-0.360277449
## IC2_.L.PET	0.1960752786	0.175839449	0.902913799
## Coarseness_vdif_.L.PET	-0.0257269952	0.011572444	0.488789000
## Contrast_vdif_.L.PET	-0.0976699127	-0.104684293	0.237345318
## Busyness_vdif_.L.PET	0.3466323233	0.339836921	0.311635961
## Complexity_vdif_.L.PET	0.1294133625	0.112019765	0.719586809
## Strength_vdif_.L.PET	-0.1811204791	-0.164115961	0.302687717
## SRE_align.L.PET	0.3610491000	0.336744942	0.999446351
## LRE_align.L.PET	0.3767692121	0.354146078	0.991506732
## GLNU_align.L.PET	0.2994707846	0.282980278	0.256608351
## RLNU_align.L.PET	0.3209615017	0.299745945	0.230703369
## RP_align.L.PET	0.3590865933	0.334748194	0.999263103
## LGRE_align.L.PET	0.1251652381	0.173706702	0.634674925

## HGRE_align.L.PET	0.1534599068	0.086292740	0.628654854
## LGSRE_align.L.PET	0.1269122444	0.175418934	0.639591274
## HGSRE_align.L.PET	0.1497381264	0.083158461	0.627167709
## LGHRE_align.L.PET	0.1179155043	0.166114511	0.611727617
## HGLRE_align.L.PET	0.1684676338	0.099020785	0.632809211
## GLNU_norm_align.L.PET	0.1480661375	0.198423133	0.685806208
## RLNU_norm_align.L.PET	0.3523879525	0.327625989	0.997866355
## GLVAR_align.L.PET	0.1300319006	0.072919300	0.675745436
## RLVAR_align.L.PET	0.2511620725	0.279069525	0.647479171
## Entropy_align.L.PET	0.3946937624	0.353236189	0.984028593
## SZSE.L.PET	0.3556172327	0.332493095	0.977557845
## LZSE.L.PET	0.2650684807	0.247242824	0.691706609
## LGLZE.L.PET	0.1299754248	0.177507857	0.646393746
## HGLZE.L.PET	0.1550865918	0.087456347	0.638223425
## SZLGE.L.PET	0.1356343105	0.182950732	0.655913359
## SZHGE.L.PET	0.1516444108	0.086987111	0.633405041
## LZLGE.L.PET	0.0959243536	0.144508837	0.512282820
## LZHGE.L.PET	0.1432155172	0.078231902	0.521801177
## GLNU_area.L.PET	0.3058234849	0.290543625	0.258083642
## ZSNU.L.PET	0.3249366868	0.305057819	0.231776654
## ZSP.L.PET	0.3476490797	0.325333496	0.984004814
## GLNU_norm.L.PET	0.1505979256	0.200668213	0.686098249
## ZSNU_norm.L.PET	0.3338715634	0.311923625	0.985979808
## GLVAR_area.L.PET	0.1304696707	0.073411851	0.686708790
## ZSVAR.L.PET	0.2293251431	0.224003031	0.450196407
## Entropy_area.L.PET	0.4041330706	0.362361033	0.984470401
## Max_cooc.H.PET	-0.0785662243	-0.031408542	0.314561559
## Average_cooc.H.PET	0.2989880589	0.283344373	0.974512111
## Variance_cooc.H.PET	0.4107822060	0.351150136	0.856550266
## Entropy_cooc.H.PET	0.3747432926	0.302704550	0.834841026
## DAVE_cooc.H.PET	0.3425217738	0.303288129	0.879858838
## DVAR_cooc.H.PET	0.3213789577	0.280482217	0.856149788
## DENT_cooc.H.PET	0.3459750595	0.374779486	0.773341367
## SAVE_cooc.H.PET	0.3335860385	0.322504353	0.980599950
## SVAR_cooc.H.PET	0.4216178218	0.429380285	0.844251906
## SENT_cooc.H.PET	0.2917170230	0.271668995	0.695648603
## ASM_cooc.H.PET	-0.0713102000	-0.024210062	0.300564297
## Contrast_cooc.H.PET	0.2992449190	0.258940986	0.785569729
## Dissimilarity_cooc.H.PET	0.3425217738	0.303288129	0.879858838
## Inv_diff_cooc.H.PET	0.1313927793	0.153485930	0.677315560
## Inv_diff_norm_cooc.H.PET	0.3582620564	0.337992293	0.995978142
## IDM_cooc.H.PET	0.0742984547	0.104038180	0.573441150
## IDM_norm_cooc.H.PET	0.3639493729	0.341672929	0.998653154
## Inv_var_cooc_.H.PET	0.2041839587	0.235264268	0.599643174
## Correlation_cooc.H.PET	0.3505772387	0.319428432	0.664022619
## Autocorrelation_cooc.H.PET	0.2397889062	0.231562551	0.917589648
## Tendency_cooc.H.PET	0.4343160894	0.369564678	0.818288423
## Shade_cooc.H.PET	-0.1286712952	-0.064450531	-0.415491112
## Prominence_cooc.H.PET	0.4076096527	0.335945160	0.602276766
## IC1_d.H.PET	-0.0982314580	-0.070836158	-0.107420803
## IC2_d.H.PET	0.3666728345	0.336895173	0.780776679
## Coarseness_vdif.H.PET	0.0521543090	0.096731580	0.442751295
## Contrast_vdif.H.PET	-0.0968881149	-0.101278017	0.295735088
## Busyness_vdif.H.PET	0.2576227464	0.226565542	0.117273076

## Complexity_vdif.H.PET	0.1401450030	0.143974492	0.666813683
## Strength_vdif.H.PET	-0.1016704288	-0.097826486	0.026112633
## SRE_align.H.PET	0.3797664198	0.348665130	0.973406870
## LRE_align.H.PET	0.1416805062	0.159423589	0.640109880
## RLNU_align.H.PET	0.3192106247	0.298026840	0.230129321
## RP_align.H.PET	0.3753654653	0.343439707	0.961649873
## LGRE_align.H.PET	0.0929349551	0.133889532	0.466187081
## HGRE_align.H.PET	0.2547470742	0.254214046	0.922858024
## LGSRE_align.H.PET	0.0913545815	0.132564334	0.463779803
## HGSRE_align.H.PET	0.2948542254	0.288106674	0.967559096
## LGHRE_align.H.PET	0.1010438676	0.141037062	0.479087917
## HGLRE_align.H.PET	0.0744980835	0.086406162	0.440165663
## GLNU_norm_align.H.PET	-0.0125386366	0.029215238	0.517811856
## RLNU_norm_align.H.PET	0.3710081048	0.335359624	0.911350759
## GLVAR_align.H.PET	0.4190864392	0.358565325	0.823116102
## RLVAR_align.H.PET	0.0483596681	0.072134015	0.285622297
## Entropy_align.H.PET	0.4519561715	0.405008000	0.900263428
## SZSE.H.PET	0.3934274019	0.359753401	0.857056239
## LZSE.H.PET	-0.0354245588	-0.007382696	-0.058912655
## LGLZE.H.PET	0.0939989681	0.134130964	0.466837226
## HGLZE.H.PET	0.2558070168	0.293474469	0.870648618
## SZLGE.H.PET	0.0893718859	0.130737941	0.460507495
## SZHGE.H.PET	0.3021513593	0.301683755	0.833724988
## LZLGE.H.PET	-0.0094594319	0.018627601	0.005607915
## LZHGE.H.PET	-0.0453696575	-0.032738846	-0.049888722
## GLNU_area.H.PET	0.3333124440	0.310779490	0.266764107
## ZSNU.H.PET	0.2911933557	0.277344044	0.200621842
## ZSP.H.PET	0.3296315200	0.294354553	0.673364660
## GLNU_norm.H.PET	-0.0036585215	0.016344091	0.530089691
## ZSNU_norm.H.PET	0.3542464642	0.322877025	0.726229590
## GLVAR_area.H.PET	0.4148548651	0.364059808	0.802328470
## ZSVAR.H.PET	-0.0373132774	-0.016950576	-0.055924942
## Entropy_area.H.PET	0.4439198848	0.407838762	0.947246764
## Max_cooc.W.PET	-0.0460397511	0.001523652	0.354265870
## Average_cooc.W.PET	0.3414922777	0.282083181	0.526722833
## Variance_cooc.W.PET	0.2075443448	0.169437246	0.262843105
## Entropy_cooc.W.PET	0.4312847723	0.381631903	0.857583112
## DAVE_cooc.W.PET	0.2946539332	0.246662434	0.552807977
## DVAR_cooc.W.PET	0.1886438340	0.154627920	0.296446427
## DENT_cooc.W.PET	0.3961100198	0.351762228	0.842529320
## SAVE_cooc.W.PET	0.3414253810	0.281907638	0.525946972
## SVAR_cooc.W.PET	0.2111612014	0.173973814	0.237364755
## SENT_cooc.W.PET	0.4062048399	0.368235508	0.897260944
## ASM_cooc.W.PET	-0.0173917471	0.033499422	0.391243593
## Contrast_cooc.W.PET	0.1794511549	0.142280591	0.305531858
## Dissimilarity_cooc.W.PET	0.2946539332	0.246662434	0.552807977
## Inv_diff_cooc.W.PET	0.1691992202	0.185909934	0.756512046
## Inv_diff_norm_cooc.W.PET	0.3801822719	0.360286076	0.994416245
## IDM_cooc.W.PET	0.0965813320	0.123161838	0.623417406
## IDM_norm_cooc.W.PET	0.3758701553	0.353591845	0.997955790
## Inv_var_cooc.W.PET	0.1378318786	0.159843469	0.693403667
## Correlation_cooc.W.PET	0.3455560259	0.325812260	0.656180919
## Autocorrelation_cooc.W.PET	0.2388746505	0.191153241	0.259953835
## Tendency_cooc.W.PET	0.2111612014	0.173973814	0.237364755

## Shade_cooc.W.PET	0.0712048589	0.062909809	0.046214223
## Prominence_cooc.W.PET	0.0477143194	0.037527917	0.014283562
## IC1_d.W.PET	-0.0731692713	-0.035812864	-0.125153517
## IC2_d.W.PET	0.3350341067	0.307557446	0.848172706
## Coarseness_vdif.W.PET	-0.0620906654	-0.028136513	0.458331735
## Contrast_vdif.W.PET	0.1407394590	0.099239726	0.487273607
## Busyness_vdif.W.PET	0.1017661459	0.110131900	0.230580629
## Complexity_vdif.W.PET	0.1609851955	0.135384714	0.171992353
## Strength_vdif.W.PET	-0.0474924080	-0.045370403	0.254996487
## SRE_align.W.PET	0.3754554015	0.347529940	0.993386960
## LRE_align.W.PET	0.2705342184	0.264698545	0.868192673
## GLNU_align.W.PET	0.3001847094	0.290501020	0.262204282
## RLNU_align.W.PET	0.3190428737	0.297388348	0.230908165
## RP_align.W.PET	0.3756267346	0.346965203	0.989147797
## LGRE_align.W.PET	-0.0144757903	0.036777247	0.500948093
## HGRE_align.W.PET	0.2450217786	0.198164263	0.262665163
## LGSRE_align.W.PET	-0.0004912431	0.048962692	0.537256301
## HGSRE_align.W.PET	0.2399424672	0.193832106	0.258420653
## LGHRE_align.W.PET	-0.0571971099	-0.003361843	0.336572515
## HGLRE_align.W.PET	0.2649549839	0.214811257	0.279436343
## GLNU_norm_align.W.PET	-0.0140883202	0.032471877	0.519780155
## RLNU_norm_align.W.PET	0.3793218003	0.347147222	0.970147347
## GLVAR_align.W.PET	0.2251005312	0.183913851	0.262814045
## RLVAR_align.W.PET	0.0459707107	0.072455745	0.361852849
## Entropy_align.W.PET	0.4473066987	0.399796587	0.902674518
## SZSE.W.PET	0.3889236884	0.358398759	0.943344196
## LZSE.W.PET	-0.0341506730	-0.035786230	0.128829239
## LGLZE.W.PET	0.0083529273	0.050384821	0.525344036
## HGLZE.W.PET	0.2390418320	0.192829036	0.266184048
## SZLGE.W.PET	0.0607617960	0.097253302	0.600140106
## SZHGE.W.PET	0.2205358915	0.177453640	0.254190419
## LZLGE.W.PET	-0.0886473304	-0.059119425	-0.000382903
## LZHGE.W.PET	0.2926735025	0.211626525	0.300725254
## GLNU_area.W.PET	0.3230755817	0.308136505	0.271624291
## ZSNU.W.PET	0.3081402043	0.290283083	0.219033294
## ZSP.W.PET	0.3805231305	0.351419669	0.873140613
## GLNU_norm.W.PET	-0.0069102948	0.033068115	0.539679017
## ZSNU_norm.W.PET	0.3774889713	0.344882440	0.868944074
## GLVAR_area.W.PET	0.2222513312	0.181252647	0.266681854
## ZSVAR.W.PET	-0.0496364325	-0.054193523	0.040266298
## Entropy_area.W.PET	0.4447949764	0.402391118	0.939936691
## Min_hist.ADC	-0.1931301616	-0.294116395	0.336304365
## Max_hist.ADC	0.5027199672	0.542519922	0.879348281
## Mean_hist.ADC	0.2500605361	0.227964260	0.867423403
## Variance_hist.ADC	0.2546996026	0.472182130	0.453772388
## Standard_Deviation_hist.ADC	0.3310294935	0.489485728	0.729150193
## Skewness_hist.ADC	0.1990664908	0.137365161	0.227185754
## Kurtosis_hist.ADC	0.3859567403	0.186468768	0.263933590
## Energy_hist.ADC	0.0416364102	0.081382524	0.462788511
## Entropy_hist.ADC	0.4888175238	0.493450455	0.949120868
## AUC_hist.ADC	0.4311896349	0.398198305	0.975585221
## Volume.ADC	0.3684870380	0.357849322	0.310651813
## X3D_surface.ADC	0.7871605551	0.840833509	0.419581054
## ratio_3ds_vol.ADC	-0.1753417714	-0.190249624	0.662825616

## ratio_3ds_vol_norm.ADC	0.4274850533	0.411101771	0.938064913
## irregularity.ADC	0.1974012053	0.169322877	0.963025950
## Compactness_v1.ADC	0.1503191885	0.171902647	0.698164546
##	LGRE_align.W.ADC	HGRE_align.W.ADC	LGSRE_align.W.ADC
## Failure	0.055509217	-0.2042731673	0.058054511
## Entropy_cooc.W.ADC	-0.009989195	0.2015473257	-0.013703381
## GLNU_align.H.PET	0.076463631	0.1099648031	0.073330323
## Min_hist.PET	0.089356615	0.2222658039	0.090045739
## Max_hist.PET	0.103662034	0.2749721798	0.103930241
## Mean_hist.PET	0.084398548	0.2041315039	0.085103085
## Variance_hist.PET	0.018667940	0.0597939290	0.019356239
## Standard_Deviation_hist.PET	0.122764805	0.2332687044	0.123512256
## Skewness_hist.PET	0.293206671	0.5136463031	0.292722522
## Kurtosis_hist.PET	0.130409254	0.3115609401	0.130426808
## Energy_hist.PET	0.961073064	0.1622691728	0.963524068
## Entropy_hist.PET	0.293514625	0.5863782806	0.291751240
## AUC_hist.PET	0.492909977	0.5131554471	0.492805744
## H_suv.PET	0.207988210	0.2585922096	0.210007966
## Volume.PET	-0.140240759	0.1858705831	-0.142956580
## X3D_surface.PET	0.134291116	0.2361356905	0.131958456
## ratio_3ds_vol.PET	0.616567720	0.2516879574	0.619389902
## ratio_3ds_vol_norm.PET	0.628314457	0.3136975429	0.629068604
## irregularity.PET	0.459437815	0.4824929982	0.459763449
## tumor_length.PET	0.342489890	0.4026342184	0.340376699
## Compactness_v1.PET	0.897953650	0.2283547886	0.899566479
## Compactness_v2.PET	-0.251931147	0.0967878425	-0.253526246
## Spherical_disproportion.PET	0.628314457	0.3136975429	0.629068604
## Sphericity.PET	-0.396149329	0.1307014286	-0.397880154
## Asphericity.PET	0.626435263	0.3029609797	0.627204534
## Center_of_mass.PET	0.191671895	0.2898912146	0.189564741
## Max_3D_diam.PET	-0.144021776	0.2954596201	-0.146102100
## Major_axis_length.PET	-0.003693737	0.2829471299	-0.005719656
## Minor_axis_length.PET	0.150926433	0.4273802412	0.149020554
## Least_axis_length.PET	0.031669222	0.3490650001	0.029563864
## Elongation.PET	0.477559850	0.4561840529	0.478078407
## Flatness.PET	0.374925591	0.3844971253	0.375048518
## Max_cooc.L.PET	0.972093199	0.1940260122	0.974305377
## Average_cooc.L.PET	0.355866892	0.2178047112	0.357423300
## Variance_cooc.L.PET	0.322434555	0.1518043303	0.324344650
## Entropy_cooc.L.PET	0.372719022	0.4670488250	0.372673003
## DAVE_cooc.L.PET	0.353059023	0.2707898680	0.355128113
## DVAR_cooc.L.PET	0.370393304	0.2449613119	0.373404638
## DENT_cooc.L.PET	0.408411820	0.4466848002	0.409170394
## SAVE_cooc.L.PET	0.354811149	0.2176908510	0.356365510
## SVAR_cooc.L.PET	0.313691032	0.1303276195	0.315047952
## SENT_cooc.L.PET	0.492923535	0.4469887014	0.493643089
## ASM_cooc.L.PET	0.976734173	0.1798662810	0.978903756
## Contrast_cooc.L.PET	0.292641717	0.1654402732	0.295172716
## Dissimilarity_cooc.L.PET	0.353059023	0.2707898680	0.355128113
## Inv_diff_cooc.L.PET	0.535567914	0.5275857371	0.534536468
## Inv_diff_norm_cooc.L.PET	0.451911470	0.5184307293	0.451666856
## IDM_cooc.L.PET	0.588444793	0.5021169740	0.587422233
## IDM_norm_cooc.L.PET	0.449760176	0.5102664051	0.449651578
## Inv_var_cooc.L.PET	0.586409010	0.5098282938	0.585293313

## Correlation_cooc.L.PET	0.336834490	0.3168453295	0.334299643
## Autocorrelation_cooc.L.PET	0.299351776	0.0433550928	0.301464142
## Tendency_cooc.L.PET	0.313691032	0.1303276195	0.315047952
## Shade_cooc.L.PET	0.126805016	0.2002296798	0.126366273
## Prominence_cooc.L.PET	0.251490429	0.0579388762	0.253030137
## IC1_.L.PET	0.021954043	-0.0517963254	0.021617684
## IC2_.L.PET	0.532363295	0.3868092444	0.532773211
## Coarseness_vdif_.L.PET	0.904854433	0.1291107934	0.907630349
## Contrast_vdif_.L.PET	0.209374209	0.0648763848	0.211436380
## Busyness_vdif_.L.PET	-0.032741220	0.3267686615	-0.034685769
## Complexity_vdif_.L.PET	0.406906444	0.3231864768	0.409223721
## Strength_vdif_.L.PET	0.295782956	0.0657948294	0.297882998
## SRE_align.L.PET	0.456042273	0.4961919207	0.456203110
## LRE_align.L.PET	0.438664958	0.5211193386	0.438416857
## GLNU_align.L.PET	-0.016519814	0.2593455687	-0.018857085
## RLNU_align.L.PET	-0.065131628	0.2070134327	-0.067620505
## RP_align.L.PET	0.456098184	0.4949807589	0.456290666
## LGRE_align.L.PET	0.650142641	0.4429534615	0.650430943
## HGRE_align.L.PET	0.308588173	0.0702456748	0.310884345
## LGSRE_align.L.PET	0.660193759	0.4415762880	0.660537028
## HGSRE_align.L.PET	0.309880333	0.0692098964	0.312199686
## LGHRE_align.L.PET	0.608576896	0.4449508762	0.608647891
## HGLRE_align.L.PET	0.302208844	0.0750660117	0.304393164
## GLNU_norm_align.L.PET	0.880707441	0.3826841770	0.882152292
## RLNU_norm_align.L.PET	0.457241124	0.4894899101	0.457534148
## GLVAR_align.L.PET	0.327769366	0.1503638342	0.329658201
## RLVAR_align.L.PET	0.812811811	0.3729477721	0.812824803
## Entropy_align.L.PET	0.388821692	0.4611658389	0.388790947
## SZSE.L.PET	0.461742011	0.4644427357	0.461941800
## LZSE.L.PET	0.272165444	0.4445054531	0.271680001
## LGLZE.L.PET	0.661954751	0.4465368036	0.662282363
## HGLZE.L.PET	0.310045719	0.0777604703	0.312350228
## SZLGE.L.PET	0.692664229	0.4308517243	0.693109921
## SZHGE.L.PET	0.317060060	0.0721594826	0.319330016
## LZLGE.L.PET	0.474812950	0.4409280436	0.474236908
## LZHGE.L.PET	0.221099468	0.0869307082	0.222919326
## GLNU_area.L.PET	-0.021993494	0.2551042328	-0.024383074
## ZSNU.L.PET	-0.075035204	0.1994289989	-0.077481281
## ZSP.L.PET	0.458997819	0.4659884113	0.459308042
## GLNU_norm.L.PET	0.884729913	0.3819039767	0.886143955
## ZSNU_norm.L.PET	0.459612924	0.4654227570	0.460081271
## GLVAR_area.L.PET	0.334957996	0.1566672018	0.336854282
## ZSVAR.L.PET	0.331818442	0.3666419979	0.330753613
## Entropy_area.L.PET	0.386134887	0.4719234087	0.385993339
## Max_cooc.H.PET	0.436508665	0.1193529751	0.435584031
## Average_cooc.H.PET	0.435915143	0.4868381243	0.435657743
## Variance_cooc.H.PET	0.299129096	0.3833859194	0.300297752
## Entropy_cooc.H.PET	0.253863887	0.3447688861	0.254995932
## DAVE_cooc.H.PET	0.325184925	0.4345366375	0.327049638
## DVAR_cooc.H.PET	0.335060498	0.3883532372	0.337360086
## DENT_cooc.H.PET	0.211135366	0.5359596516	0.208972996
## SAVE_cooc.H.PET	0.420787004	0.5215113752	0.420081819
## SVAR_cooc.H.PET	0.332277199	0.4626888270	0.330965514
## SENT_cooc.H.PET	0.564837988	0.3293646839	0.566629481

## ASM_cooc.H.PET	0.524086735	0.0732720830	0.523899929
## Contrast_cooc.H.PET	0.288811183	0.3680517066	0.291399965
## Dissimilarity_cooc.H.PET	0.325184925	0.4345366375	0.327049638
## Inv_diff_cooc.H.PET	0.493116525	0.3235382529	0.491747392
## Inv_diff_norm_cooc.H.PET	0.467978833	0.5003623357	0.467746500
## IDM_cooc.H.PET	0.469126243	0.2701209572	0.467715775
## IDM_norm_cooc.H.PET	0.458304352	0.5032045906	0.458182632
## Inv_var_cooc_.H.PET	0.861795537	0.2941459799	0.863717469
## Correlation_cooc.H.PET	0.333239855	0.2973680806	0.330766230
## Autocorrelation_cooc.H.PET	0.442087990	0.4456125427	0.441519085
## Tendency_cooc.H.PET	0.277824020	0.3573860891	0.278120793
## Shade_cooc.H.PET	-0.157103323	-0.1112226045	-0.158143851
## Prominence_cooc.H.PET	0.160101196	0.2353312088	0.160432964
## IC1_d.H.PET	0.314548150	-0.0704445956	0.318872114
## IC2_d.H.PET	0.380541799	0.3827186870	0.378722906
## Coarseness_vdif.H.PET	0.972842342	0.1596211623	0.975216835
## Contrast_vdif.H.PET	0.282534092	-0.0043261737	0.284075609
## Busyness_vdif.H.PET	-0.399767660	0.2008570060	-0.400691434
## Complexity_vdif.H.PET	0.639215076	0.3106393940	0.642185704
## Strength_vdif.H.PET	0.124206403	-0.0894280777	0.125329948
## SRE_align.H.PET	0.420742877	0.4904255236	0.421443154
## LRE_align.H.PET	0.358958217	0.3464858912	0.356252761
## RLNU_align.H.PET	-0.055622582	0.1755960189	-0.057842795
## RP_align.H.PET	0.413572933	0.4795786806	0.414440488
## LGRE_align.H.PET	0.970314691	0.1655829522	0.972555219
## HGRE_align.H.PET	0.435866363	0.4553972579	0.435398078
## LGSRE_align.H.PET	0.970430280	0.1644885021	0.972679952
## HGSRE_align.H.PET	0.421257000	0.4942741158	0.421446567
## LGHRE_align.H.PET	0.970589410	0.1731169204	0.972731173
## HGLRE_align.H.PET	0.285819851	0.2112745657	0.283562357
## GLNU_norm_align.H.PET	0.476317491	0.2319754021	0.475741479
## RLNU_norm_align.H.PET	0.379986057	0.4562359938	0.381189370
## GLVAR_align.H.PET	0.276247295	0.3744027827	0.277263698
## RLVAR_align.H.PET	0.257785014	0.1862269664	0.254652919
## Entropy_align.H.PET	0.304285946	0.4521035649	0.304091182
## SZSE.H.PET	0.347982877	0.4538235635	0.348865953
## LZSE.H.PET	-0.018866368	0.0349568305	-0.022812646
## LGLZE.H.PET	0.968387083	0.1629608538	0.970627442
## HGLZE.H.PET	0.373590152	0.5762410689	0.371868717
## SZLGE.H.PET	0.969194511	0.1607898117	0.971437560
## SZHGE.H.PET	0.304224337	0.5142140617	0.304604655
## LZLGE.H.PET	0.117081586	0.0517648159	0.112962884
## LZHGE.H.PET	0.021811097	-0.0006733383	0.018685727
## GLNU_area.H.PET	-0.078116703	0.2589195354	-0.080125207
## ZSNU.H.PET	-0.062835670	0.1113044841	-0.064811879
## ZSP.H.PET	0.224817205	0.3463868049	0.226552794
## GLNU_norm.H.PET	0.480123326	0.1969836224	0.479980929
## ZSNU_norm.H.PET	0.273462606	0.3853351392	0.274805552
## GLVAR_area.H.PET	0.264027508	0.3807743153	0.264874783
## ZSVAR_H.PET	0.005374627	0.0206048689	0.001514492
## Entropy_area.H.PET	0.350437655	0.4988524936	0.349912371
## Max_cooc.W.PET	0.645961031	0.1060167276	0.646367308
## Average_cooc.W.PET	0.096832275	0.1785785585	0.097573454
## Variance_cooc.W.PET	0.026976557	0.0679265286	0.027791363

## Entropy_cooc.W.PET	0.265279921	0.4318657613	0.265733878
## DAVE_cooc.W.PET	0.121029625	0.2422634963	0.122563232
## DVAR_cooc.W.PET	0.016687404	0.1008228120	0.018167122
## DENT_cooc.W.PET	0.273470230	0.4326380693	0.274395962
## SAVE_cooc.W.PET	0.094847618	0.1782775196	0.095584471
## SVAR_cooc.W.PET	0.029870899	0.0556055735	0.030368574
## SENT_cooc.W.PET	0.391002818	0.4540149363	0.391715389
## ASM_cooc.W.PET	0.813624058	0.1108077853	0.814779259
## Contrast_cooc.W.PET	0.015756908	0.0939114575	0.017326544
## Dissimilarity_cooc.W.PET	0.121029625	0.2422634963	0.122563232
## Inv_diff_cooc.W.PET	0.505100626	0.3716187032	0.504080728
## Inv_diff_norm_cooc.W.PET	0.454083588	0.5174041215	0.453848189
## IDM_cooc.W.PET	0.479066990	0.2962686582	0.477837452
## IDM_norm_cooc.W.PET	0.450641294	0.5102929138	0.450541943
## Inv_var_cooc.W.PET	0.508044745	0.3440242980	0.507010038
## Correlation_cooc.W.PET	0.334025816	0.3184111774	0.331503318
## Autocorrelation_cooc.W.PET	-0.010297706	0.0111929594	-0.009774828
## Tendency_cooc.W.PET	0.029870899	0.0556055735	0.030368574
## Shade_cooc.W.PET	0.035013020	0.0364359567	0.035443646
## Prominence_cooc.W.PET	0.008241771	-0.0092571789	0.008620516
## IC1_d.W.PET	0.385025008	-0.0805525245	0.388737905
## IC2_d.W.PET	0.433623201	0.4232604369	0.432575040
## Coarseness_vdif.W.PET	0.835043966	0.0947629825	0.837917564
## Contrast_vdif.W.PET	0.243110776	0.1531420147	0.245804480
## Busyness_vdif.W.PET	-0.032755060	0.1710380437	-0.036087485
## Complexity_vdif.W.PET	0.013951199	0.0516844172	0.014472526
## Strength_vdif.W.PET	0.166465448	0.1447806078	0.168252353
## SRE_align.W.PET	0.440135575	0.5003014309	0.440505508
## LRE_align.W.PET	0.434346069	0.4398700911	0.432987809
## GLNU_align.W.PET	-0.064721949	0.3250640339	-0.067569515
## RLNU_align.W.PET	-0.056038730	0.1914773498	-0.058382514
## RP_align.W.PET	0.435386516	0.4968852765	0.435866763
## LGRE_align.W.PET	0.455013878	0.2804301963	0.453967548
## HGRE_align.W.PET	-0.018567831	0.0211613841	-0.017998273
## LGSRE_align.W.PET	0.481581723	0.3056520152	0.480768814
## HGSRE_align.W.PET	-0.020259714	0.0191280544	-0.019657761
## LGHRE_align.W.PET	0.332817539	0.1792019879	0.330781378
## HGLRE_align.W.PET	-0.011765353	0.0305739675	-0.011340638
## GLNU_norm_align.W.PET	0.572424439	0.2249013367	0.572290785
## RLNU_norm_align.W.PET	0.417060079	0.4905110531	0.417779047
## GLVAR_align.W.PET	0.016351060	0.0612132754	0.017037231
## RLVAR_align.W.PET	0.394326387	0.1883125059	0.391981509
## Entropy_align.W.PET	0.302665741	0.4524837048	0.302667910
## SZSE.W.PET	0.413351221	0.4771139621	0.413990344
## LZSE.W.PET	0.143315614	0.0474805601	0.140985404
## LGLZE.W.PET	0.475571577	0.2882007256	0.474679097
## HGLZE.W.PET	-0.017588943	0.0266944428	-0.016983590
## SZLGE.W.PET	0.548290058	0.3455673756	0.547969349
## SZHGE.W.PET	-0.021280270	0.0195578988	-0.020585050
## LZLGE.W.PET	0.064397953	-0.0079680248	0.061678718
## LZHGE.W.PET	0.039124406	0.0645134220	0.039073543
## GLNU_area.W.PET	-0.070434468	0.3039097165	-0.072879079
## ZSNU.W.PET	-0.057279860	0.1551629056	-0.059428477
## ZSP.W.PET	0.346444406	0.4535630147	0.347541271

## GLNU_norm.W.PET	0.588906017	0.2174145026	0.588952477
## ZSNU_norm.W.PET	0.350327259	0.4587161102	0.351508316
## GLVAR_area.W.PET	0.020763302	0.0675014484	0.021468477
## ZSVAR.W.PET	0.105352858	0.0135408799	0.102915588
## Entropy_area.W.PET	0.335987801	0.4793010453	0.335570625
## Min_hist.ADC	0.204717126	-0.3672332886	0.208899683
## Max_hist.ADC	0.347782953	0.7026190628	0.345760435
## Mean_hist.ADC	0.338595288	0.5846598072	0.339774030
## Variance_hist.ADC	0.317299300	0.7152745037	0.311033000
## Standard_Deviation_hist.ADC	0.384987584	0.7565548104	0.380413527
## Skewness_hist.ADC	0.105720437	-0.3143687023	0.108737679
## Kurtosis_hist.ADC	0.058234582	0.1456518693	0.060188583
## Energy_hist.ADC	0.980248797	0.1386512648	0.982766622
## Entropy_hist.ADC	0.365412967	0.6100233559	0.363738479
## AUC_hist.ADC	0.445845394	0.4552650395	0.446675594
## Volume.ADC	-0.148632221	0.1993313886	-0.151304487
## X3D_surface.ADC	0.096911278	0.5071708810	0.092065386
## ratio_3ds_vol.ADC	0.506913882	0.0962130895	0.510361007
## ratio_3ds_vol_norm.ADC	0.353099442	0.5558027501	0.352399135
## irregularity.ADC	0.469316591	0.3875790252	0.470523222
## Compactness_v1.ADC	0.922916216	0.2648703350	0.925004234
##	HGSRE_align.W.ADC	LGHRE_align.W.ADC	
## Failure	-0.2040719861	0.041735460	
## Entropy_cooc.W.ADC	0.2015450387	0.009843056	
## GLNU_align.H.PET	0.1100064550	0.092943535	
## Min_hist.PET	0.2217802276	0.085397208	
## Max_hist.PET	0.2745257831	0.101899170	
## Mean_hist.PET	0.2036772521	0.080385717	
## Variance_hist.PET	0.0597312793	0.015069271	
## Standard_Deviation_hist.PET	0.2327234255	0.118487156	
## Skewness_hist.PET	0.5129722492	0.294752981	
## Kurtosis_hist.PET	0.3115457922	0.129984214	
## Energy_hist.PET	0.1627074619	0.945180080	
## Entropy_hist.PET	0.5860584325	0.301431394	
## AUC_hist.PET	0.5126369892	0.491660254	
## H_suv.PET	0.2581229074	0.196758092	
## Volume.PET	0.1855363318	-0.125899629	
## X3D_surface.PET	0.2362364426	0.146081506	
## ratio_3ds_vol.PET	0.2510715097	0.599743127	
## ratio_3ds_vol_norm.PET	0.3132108804	0.622318321	
## irregularity.PET	0.4818518463	0.455863219	
## tumor_length.PET	0.4023511263	0.352277839	
## Compactness_v1.PET	0.2286279639	0.886544750	
## Compactness_v2.PET	0.0962561539	-0.242955840	
## Spherical_disproportion.PET	0.3132108804	0.622318321	
## Sphericity.PET	0.1303102416	-0.386024291	
## Asphericity.PET	0.3024856928	0.620378172	
## Center_of_mass.PET	0.2896194735	0.202003218	
## Max_3D_diam.PET	0.2952706974	-0.132853784	
## Major_axis_length.PET	0.2828757826	0.006697213	
## Minor_axis_length.PET	0.4267637283	0.160214806	
## Least_axis_length.PET	0.3486926866	0.042459529	
## Elongation.PET	0.4552370842	0.473100390	
## Flatness.PET	0.3839899911	0.372932127	

## Max_cooc.L.PET	0.1944251608	0.957382097
## Average_cooc.L.PET	0.2174164298	0.346218039
## Variance_cooc.L.PET	0.1512224494	0.311140864
## Entropy_cooc.L.PET	0.4663565716	0.371370896
## DAVE_cooc.L.PET	0.2703397340	0.340821713
## DVAR_cooc.L.PET	0.2441728179	0.353339753
## DENT_cooc.L.PET	0.4460363250	0.402757256
## SAVE_cooc.L.PET	0.2173018937	0.345176256
## SVAR_cooc.L.PET	0.1295958607	0.305278794
## SENT_cooc.L.PET	0.4464222015	0.487219353
## ASM_cooc.L.PET	0.1802796256	0.962235724
## Contrast_cooc.L.PET	0.1651745699	0.278295586
## Dissimilarity_cooc.L.PET	0.2703397340	0.340821713
## Inv_diff_cooc.L.PET	0.5272998176	0.538961369
## Inv_diff_norm_cooc.L.PET	0.5178605974	0.451358313
## IDM_cooc.L.PET	0.5019950321	0.591677137
## IDM_norm_cooc.L.PET	0.5096856782	0.448498505
## Inv_var_cooc.L.PET	0.5095523707	0.590112056
## Correlation_cooc.L.PET	0.3162259947	0.348685018
## Autocorrelation_cooc.L.PET	0.0431190076	0.287036699
## Tendency_cooc.L.PET	0.1295958607	0.305278794
## Shade_cooc.L.PET	0.1989133580	0.128578554
## Prominence_cooc.L.PET	0.0568990681	0.242413064
## IC1_.L.PET	-0.0516587227	0.023852921
## IC2_.L.PET	0.3864450299	0.528151419
## Coarseness_vdif_.L.PET	0.1294674422	0.887329966
## Contrast_vdif_.L.PET	0.0652598448	0.197883794
## Busyness_vdif_.L.PET	0.3266822420	-0.022354368
## Complexity_vdif_.L.PET	0.3228152150	0.393270466
## Strength_vdif_.L.PET	0.0655592812	0.283668125
## SRE_align.L.PET	0.4956015571	0.453351498
## LRE_align.L.PET	0.5205934530	0.438183011
## GLNU_align.L.PET	0.2591921120	-0.004169782
## RLNU_align.L.PET	0.2069205478	-0.051886291
## RP_align.L.PET	0.4943910235	0.453241217
## LGRE_align.L.PET	0.4429217327	0.646499308
## HGRE_align.L.PET	0.0700556199	0.295288770
## LGSRE_align.L.PET	0.4415494342	0.656223258
## HGSRE_align.L.PET	0.0690120905	0.296458375
## LGHRE_align.L.PET	0.4449007708	0.606241360
## HGLRE_align.L.PET	0.0749090154	0.289504504
## GLNU_norm_align.L.PET	0.3827968997	0.870193425
## RLNU_norm_align.L.PET	0.4888985131	0.453854960
## GLVAR_align.L.PET	0.1498306937	0.316554957
## RLVAR_align.L.PET	0.3731574612	0.810037621
## Entropy_align.L.PET	0.4605203967	0.387341345
## SZSE.L.PET	0.4638035782	0.458817992
## LZSE.L.PET	0.4444121193	0.273632379
## LGLZE.L.PET	0.4464624463	0.658030445
## HGLZE.L.PET	0.0775154490	0.296706001
## SZLGE.L.PET	0.4307355564	0.687979742
## SZHGE.L.PET	0.0718220990	0.303878383
## LZLGE.L.PET	0.4410541151	0.476431299
## LZHGE.L.PET	0.0870816711	0.210618611

## GLNU_area.L.PET	0.2549490084	-0.009368005
## ZSNU.L.PET	0.1993268899	-0.061997273
## ZSP.L.PET	0.4653631492	0.455498091
## GLNU_norm.L.PET	0.3820260340	0.874354583
## ZSNU_norm.L.PET	0.4648616821	0.455273709
## GLVAR_area.L.PET	0.1560952728	0.323681040
## ZSVAR.L.PET	0.3668782910	0.336272922
## Entropy_area.L.PET	0.4712569020	0.385258898
## Max_cooc.H.PET	0.1195332817	0.439432457
## Average_cooc.H.PET	0.4863350957	0.435385491
## Variance_cooc.H.PET	0.3827935057	0.291896014
## Entropy_cooc.H.PET	0.3435464559	0.246972718
## DAVE_cooc.H.PET	0.4340074913	0.314221014
## DVAR_cooc.H.PET	0.3880474444	0.321742169
## DENT_cooc.H.PET	0.5352374069	0.221654706
## SAVE_cooc.H.PET	0.5209438944	0.422668625
## SVAR_cooc.H.PET	0.4623420918	0.337787109
## SENT_cooc.H.PET	0.3288184660	0.553676580
## ASM_cooc.H.PET	0.0737753635	0.522910667
## Contrast_cooc.H.PET	0.3677231922	0.274242295
## Dissimilarity_cooc.H.PET	0.4340074913	0.314221014
## Inv_diff_cooc.H.PET	0.3235777283	0.498139681
## Inv_diff_norm_cooc.H.PET	0.4997997285	0.467276094
## IDM_cooc.H.PET	0.2702834433	0.474451810
## IDM_norm_cooc.H.PET	0.5026169892	0.457070039
## Inv_var_cooc.H.PET	0.2940582235	0.849021453
## Correlation_cooc.H.PET	0.2967178661	0.344827780
## Autocorrelation_cooc.H.PET	0.4452111653	0.443101689
## Tendency_cooc.H.PET	0.3567039939	0.275202139
## Shade_cooc.H.PET	-0.1111630030	-0.151159076
## Prominence_cooc.H.PET	0.2347196407	0.157759054
## IC1_d.H.PET	-0.0703256385	0.291133956
## IC2_d.H.PET	0.3822158167	0.388559357
## Coarseness_vdif.H.PET	0.1600161018	0.957280295
## Contrast_vdif.H.PET	-0.0035531171	0.273116701
## Busyness_vdif.H.PET	0.2008052968	-0.393693377
## Complexity_vdif.H.PET	0.3106362498	0.621542130
## Strength_vdif.H.PET	-0.0893524904	0.117820631
## SRE_align.H.PET	0.4897371774	0.415455821
## LRE_align.H.PET	0.3466280606	0.371383156
## RLNU_align.H.PET	0.1754735242	-0.043800004
## RP_align.H.PET	0.4788993149	0.407452059
## LGRE_align.H.PET	0.1659790875	0.955461627
## HGRE_align.H.PET	0.4550363145	0.436385236
## LGSRE_align.H.PET	0.1648865053	0.955530486
## HGSRE_align.H.PET	0.4937165599	0.418504315
## LGHRE_align.H.PET	0.1735096364	0.956241541
## HGLRE_align.H.PET	0.2115204460	0.296093063
## GLNU_norm_align.H.PET	0.2322343312	0.477237616
## RLNU_norm_align.H.PET	0.4555262945	0.372299822
## GLVAR_align.H.PET	0.3738501590	0.269894370
## RLVAR_align.H.PET	0.1865292540	0.272899915
## Entropy_align.H.PET	0.4513864466	0.304096584
## SZSE.H.PET	0.4529187354	0.342081800

## LZSE.H.PET	0.0351427169	0.002132756
## LGLZE.H.PET	0.1633588315	0.953534530
## HGLZE.H.PET	0.5759593800	0.381160007
## SZLGE.H.PET	0.1611899048	0.954327629
## SZHGE.H.PET	0.5133661040	0.301147360
## LZLGE.H.PET	0.0520294710	0.138921024
## LZHGE.H.PET	-0.0004263736	0.038014552
## GLNU_area.H.PET	0.2586877544	-0.067388635
## ZSNU.H.PET	0.1112063743	-0.052246265
## ZSP.H.PET	0.3455131712	0.215046003
## GLNU_norm.H.PET	0.1971606624	0.478726645
## ZSNU_norm.H.PET	0.3844752633	0.265503209
## GLVAR_area.H.PET	0.3804021401	0.258580028
## ZSVAR.H.PET	0.0208254961	0.025847635
## Entropy_area.H.PET	0.4982893169	0.351776631
## Max_cooc.W.PET	0.1063251372	0.641385504
## Average_cooc.W.PET	0.1781595977	0.092613395
## Variance_cooc.W.PET	0.0678245524	0.022707472
## Entropy_cooc.W.PET	0.4310737492	0.261910943
## DAVE_cooc.W.PET	0.2417389648	0.112668259
## DVAR_cooc.W.PET	0.1007660562	0.008984563
## DENT_cooc.W.PET	0.4318223237	0.267629106
## SAVE_cooc.W.PET	0.1778576079	0.090657748
## SVAR_cooc.W.PET	0.0554892243	0.027240350
## SENT_cooc.W.PET	0.4532949913	0.385865476
## ASM_cooc.W.PET	0.1113290359	0.804680894
## Contrast_cooc.W.PET	0.0938556948	0.007597248
## Dissimilarity_cooc.W.PET	0.2417389648	0.112668259
## Inv_diff_cooc.W.PET	0.3716172138	0.508266497
## Inv_diff_norm_cooc.W.PET	0.5168423667	0.453470802
## IDM_cooc.W.PET	0.2964495374	0.483410733
## IDM_norm_cooc.W.PET	0.5097155311	0.449328401
## Inv_var_cooc.W.PET	0.3440674127	0.511328530
## Correlation_cooc.W.PET	0.3177822288	0.345833202
## Autocorrelation_cooc.W.PET	0.0111771346	-0.012999695
## Tendency_cooc.W.PET	0.0554892243	0.027240350
## Shade_cooc.W.PET	0.0365760484	0.032726848
## Prominence_cooc.W.PET	-0.0088890866	0.006270249
## IC1_d.W.PET	-0.0802800187	0.364554934
## IC2_d.W.PET	0.4227778621	0.437445201
## Coarseness_vdif.W.PET	0.0952257580	0.817240628
## Contrast_vdif.W.PET	0.1529335502	0.228265848
## Busyness_vdif.W.PET	0.1713389319	-0.015643696
## Complexity_vdif.W.PET	0.0519888641	0.011203421
## Strength_vdif.W.PET	0.1444598725	0.156626251
## SRE_align.W.PET	0.4996501747	0.436458885
## LRE_align.W.PET	0.4396594183	0.439508757
## GLNU_align.W.PET	0.3250740915	-0.049618235
## RLNU_align.W.PET	0.1913577232	-0.043572228
## RP_align.W.PET	0.4962271076	0.431163043
## LGRE_align.W.PET	0.2806427911	0.458536525
## HGRE_align.W.PET	0.0211641169	-0.021489402
## LGSRE_align.W.PET	0.3058307709	0.483813252
## HGSRE_align.W.PET	0.0191334817	-0.023338724

## LGHRE_align.W.PET	0.1795060309	0.341894360
## HGLRE_align.W.PET	0.0305701798	-0.013977873
## GLNU_norm_align.W.PET	0.2251839942	0.570767665
## RLNU_norm_align.W.PET	0.4898010778	0.411702976
## GLVAR_align.W.PET	0.0611502824	0.012770670
## RLVAR_align.W.PET	0.1886731396	0.404851764
## Entropy_align.W.PET	0.4517674984	0.301461153
## SZSE.W.PET	0.4762878776	0.408405393
## LZSE.W.PET	0.0475924714	0.154692594
## LGLZE.W.PET	0.2883982700	0.478176611
## HGLZE.W.PET	0.0266795158	-0.020684739
## SZLGE.W.PET	0.3455145642	0.547706989
## SZHGE.W.PET	0.0195401200	-0.024825828
## LZLGE.W.PET	-0.0077549314	0.078218801
## LZHGE.W.PET	0.0644170676	0.039070733
## GLNU_area.W.PET	0.3038082746	-0.057458091
## ZSNU.W.PET	0.1550285893	-0.045827427
## ZSP.W.PET	0.4528210265	0.339438677
## GLNU_norm.W.PET	0.2177141087	0.586236543
## ZSNU_norm.W.PET	0.4578459323	0.342850655
## GLVAR_area.W.PET	0.0674186395	0.017074734
## ZSVAR.W.PET	0.0135718769	0.117461593
## Entropy_area.W.PET	0.4786570474	0.336816342
## Min_hist.ADC	-0.3691879519	0.181989761
## Max_hist.ADC	0.7021974973	0.356975820
## Mean_hist.ADC	0.5828995761	0.331078835
## Variance_hist.ADC	0.7177648857	0.348718223
## Standard_Deviation_hist.ADC	0.7583206934	0.407290568
## Skewness_hist.ADC	-0.3128637770	0.089555830
## Kurtosis_hist.ADC	0.1423239438	0.047908114
## Energy_hist.ADC	0.1391203453	0.963900557
## Entropy_hist.ADC	0.6093941682	0.372652145
## AUC_hist.ADC	0.4549952438	0.439730676
## Volume.ADC	0.1989633814	-0.134514884
## X3D_surface.ADC	0.5065304454	0.121753750
## ratio_3ds_vol.ADC	0.0971394382	0.486950690
## ratio_3ds_vol_norm.ADC	0.5552766867	0.355257323
## irregularity.ADC	0.3876594307	0.461131086
## Compactness_v1.ADC	0.2649605357	0.908881061
##	HGLRE_align.W.ADC	GLNU_norm_align.W.ADC
## Failure	-0.204979056	0.090967712
## Entropy_cooc.W.ADC	0.201372895	-0.083917619
## GLNU_align.H.PET	0.109756325	0.007881095
## Min_hist.PET	0.224025158	0.185070964
## Max_hist.PET	0.276563210	0.195186941
## Mean_hist.PET	0.205777065	0.183227210
## Variance_hist.PET	0.059958965	0.076340422
## Standard_Deviation_hist.PET	0.235304067	0.222120362
## Skewness_hist.PET	0.516192680	0.338020103
## Kurtosis_hist.PET	0.311436135	0.120179189
## Energy_hist.PET	0.160433530	0.954660433
## Entropy_hist.PET	0.587311172	0.361152579
## AUC_hist.PET	0.514971379	0.611239320
## H_suv.PET	0.260292530	0.317186264

## Volume.PET	0.186970857	-0.104881459
## X3D_surface.PET	0.235606553	0.103212423
## ratio_3ds_vol.PET	0.254232235	0.683157437
## ratio_3ds_vol_norm.PET	0.315593923	0.668953697
## irregularity.PET	0.484884062	0.579356947
## tumor_length.PET	0.403590413	0.371502205
## Compactness_v1.PET	0.227099783	0.912090399
## Compactness_v2.PET	0.098820250	-0.186814812
## Spherical_disproportion.PET	0.315593923	0.668953697
## Sphericity.PET	0.132104928	-0.323847026
## Asphericity.PET	0.304818599	0.663565794
## Center_of_mass.PET	0.290943320	0.187878149
## Max_3D_diam.PET	0.295970132	-0.078987427
## Major_axis_length.PET	0.283024463	0.050478379
## Minor_axis_length.PET	0.429576176	0.220143785
## Least_axis_length.PET	0.350244540	0.095106240
## Elongation.PET	0.459779110	0.584238976
## Flatness.PET	0.386211070	0.482598821
## Max_cooc.L.PET	0.192333987	0.966149886
## Average_cooc.L.PET	0.219259006	0.483678334
## Variance_cooc.L.PET	0.154131965	0.433232923
## Entropy_cooc.L.PET	0.469596001	0.508506823
## DAVE_cooc.L.PET	0.272489142	0.481337382
## DVAR_cooc.L.PET	0.248122144	0.502803625
## DENT_cooc.L.PET	0.449091669	0.547985217
## SAVE_cooc.L.PET	0.219147921	0.482692546
## SVAR_cooc.L.PET	0.133282600	0.420417462
## SENT_cooc.L.PET	0.449061055	0.620311378
## ASM_cooc.L.PET	0.178113953	0.964646254
## Contrast_cooc.L.PET	0.166459006	0.395006425
## Dissimilarity_cooc.L.PET	0.272489142	0.481337382
## Inv_diff_cooc.L.PET	0.528461508	0.603779464
## Inv_diff_norm_cooc.L.PET	0.520463755	0.572202653
## IDM_cooc.L.PET	0.502346895	0.632506633
## IDM_norm_cooc.L.PET	0.512347515	0.573495992
## Inv_var_cooc.L.PET	0.510682835	0.629479278
## Correlation_cooc.L.PET	0.319202807	0.379804897
## Autocorrelation_cooc.L.PET	0.044292247	0.402228216
## Tendency_cooc.L.PET	0.133282600	0.420417462
## Shade_cooc.L.PET	0.205635502	0.171255647
## Prominence_cooc.L.PET	0.062271453	0.333237168
## IC1_.L.PET	-0.052401328	-0.043007772
## IC2_.L.PET	0.388142579	0.635536467
## Coarseness_vdif_.L.PET	0.127645991	0.913449395
## Contrast_vdif_.L.PET	0.063275287	0.248509622
## Busyness_vdif_.L.PET	0.326850360	-0.013889238
## Complexity_vdif_.L.PET	0.324566187	0.521976828
## Strength_vdif_.L.PET	0.066833879	0.335353219
## SRE_align.L.PET	0.498320076	0.583523819
## LRE_align.L.PET	0.522981595	0.560655976
## GLNU_align.L.PET	0.259807332	-0.010238421
## RLNU_align.L.PET	0.207258958	-0.061613058
## RP_align.L.PET	0.497108495	0.584018767
## LGRE_align.L.PET	0.442866664	0.689042486

## HGRE_align.L.PET	0.070971772	0.416406875
## LGSRE_align.L.PET	0.441467989	0.699789675
## HGSRE_align.L.PET	0.069967330	0.417582238
## LGHRE_align.L.PET	0.444946572	0.644432716
## HGLRE_align.L.PET	0.075659493	0.410055128
## GLNU_norm_align.L.PET	0.382050800	0.908471000
## RLNU_norm_align.L.PET	0.491631181	0.586329351
## GLVAR_align.L.PET	0.152476257	0.443035053
## RLVAR_align.L.PET	0.371897875	0.826416494
## Entropy_align.L.PET	0.463526671	0.522594001
## SZSE.L.PET	0.466747892	0.584279360
## LZSE.L.PET	0.444764282	0.357489230
## LGLZE.L.PET	0.446624936	0.702465596
## HGLZE.L.PET	0.078709417	0.419804791
## SZLGE.L.PET	0.431102596	0.733274224
## SZHGE.L.PET	0.073464183	0.423838010
## LZLGE.L.PET	0.440240783	0.496342601
## LZHGE.L.PET	0.086360949	0.316758126
## GLNU_area.L.PET	0.255562509	-0.016515976
## ZSNU.L.PET	0.199697996	-0.070549782
## ZSP.L.PET	0.468249574	0.584617555
## GLNU_norm.L.PET	0.381231781	0.911601852
## ZSNU_norm.L.PET	0.467444710	0.587077737
## GLVAR_area.L.PET	0.158939377	0.451848987
## ZSVAR.L.PET	0.365541038	0.353113422
## Entropy_area.L.PET	0.474366206	0.519221872
## Max_cooc.H.PET	0.118717129	0.426927101
## Average_cooc.H.PET	0.488644946	0.554392381
## Variance_cooc.H.PET	0.385508046	0.433376329
## Entropy_cooc.H.PET	0.349573588	0.412207072
## DAVE_cooc.H.PET	0.436386824	0.469741849
## DVAR_cooc.H.PET	0.389315831	0.475502719
## DENT_cooc.H.PET	0.538585511	0.275130211
## SAVE_cooc.H.PET	0.523567292	0.532037497
## SVAR_cooc.H.PET	0.463762390	0.410197979
## SENT_cooc.H.PET	0.331437851	0.650916920
## ASM_cooc.H.PET	0.071276188	0.508680059
## Contrast_cooc.H.PET	0.369096902	0.429247263
## Dissimilarity_cooc.H.PET	0.436386824	0.469741849
## Inv_diff_cooc.H.PET	0.323279925	0.530943905
## Inv_diff_norm_cooc.H.PET	0.502388584	0.587856691
## IDM_cooc.H.PET	0.269399322	0.489388477
## IDM_norm_cooc.H.PET	0.505326283	0.581556020
## Inv_var_cooc_.H.PET	0.294388080	0.889871466
## Correlation_cooc.H.PET	0.299859662	0.383620703
## Autocorrelation_cooc.H.PET	0.447050312	0.544700883
## Tendency_cooc.H.PET	0.359900598	0.396734554
## Shade_cooc.H.PET	-0.111363837	-0.221926891
## Prominence_cooc.H.PET	0.237618481	0.254103793
## IC1_d.H.PET	-0.070858946	0.320740467
## IC2_d.H.PET	0.384559847	0.450947644
## Coarseness_vdif.H.PET	0.157958697	0.963780311
## Contrast_vdif.H.PET	-0.007463094	0.305876286
## Busyness_vdif.H.PET	0.200751541	-0.351812449

## Complexity_vdif.H.PET	0.310512843	0.717725011
## Strength_vdif.H.PET	-0.089653987	0.136986509
## SRE_align.H.PET	0.492941059	0.556751057
## LRE_align.H.PET	0.345789341	0.391181675
## RLNU_align.H.PET	0.175979450	-0.048291311
## RP_align.H.PET	0.482058134	0.550809855
## LGRE_align.H.PET	0.163901649	0.964638637
## HGRE_align.H.PET	0.456654986	0.540602961
## LGSRE_align.H.PET	0.162800295	0.964442240
## HGSRE_align.H.PET	0.496297803	0.546255409
## LGHRE_align.H.PET	0.171446242	0.965641089
## HGLRE_align.H.PET	0.210211929	0.294704026
## GLNU_norm_align.H.PET	0.230876858	0.497802272
## RLNU_norm_align.H.PET	0.458843761	0.517871562
## GLVAR_align.H.PET	0.376367691	0.404007718
## RLVAR_align.H.PET	0.184960843	0.228661950
## Entropy_align.H.PET	0.454734370	0.431755809
## SZSE.H.PET	0.457208704	0.471773788
## LZSE.H.PET	0.034179464	-0.083610125
## LGLZE.H.PET	0.161273662	0.963183707
## HGLZE.H.PET	0.577088145	0.447707741
## SZLGE.H.PET	0.159094941	0.962830683
## SZHGE.H.PET	0.517366687	0.416603610
## LZLGE.H.PET	0.050683027	0.049035445
## LZHGE.H.PET	-0.001652897	-0.029643064
## GLNU_area.H.PET	0.259678489	-0.059733901
## ZSNU.H.PET	0.111608442	-0.057574819
## ZSP.H.PET	0.349680453	0.342954548
## GLNU_norm.H.PET	0.196235727	0.512464565
## ZSNU_norm.H.PET	0.388583328	0.389736014
## GLVAR_area.H.PET	0.381961387	0.383803605
## ZSVAR_H.PET	0.019719727	-0.055649326
## Entropy_area.H.PET	0.500831091	0.475163366
## Max_cooc.W.PET	0.104814057	0.638714932
## Average_cooc.W.PET	0.180115803	0.197725542
## Variance_cooc.W.PET	0.068250334	0.084565767
## Entropy_cooc.W.PET	0.434806338	0.400278779
## DAVE_cooc.W.PET	0.244193886	0.234756386
## DVAR_cooc.W.PET	0.100936447	0.091308786
## DENT_cooc.W.PET	0.435690362	0.411318535
## SAVE_cooc.W.PET	0.179818726	0.195791443
## SVAR_cooc.W.PET	0.056007819	0.077320083
## SENT_cooc.W.PET	0.456669695	0.518505673
## ASM_cooc.W.PET	0.108693605	0.798316501
## Contrast_cooc.W.PET	0.094003188	0.094770257
## Dissimilarity_cooc.W.PET	0.244193886	0.234756386
## Inv_diff_cooc.W.PET	0.371472216	0.559030702
## Inv_diff_norm_cooc.W.PET	0.519404828	0.574242213
## IDM_cooc.W.PET	0.295431703	0.507693757
## IDM_norm_cooc.W.PET	0.512361049	0.574378576
## Inv_var_cooc.W.PET	0.343721833	0.546502876
## Correlation_cooc.W.PET	0.320803475	0.377475480
## Autocorrelation_cooc.W.PET	0.011187753	0.049963858
## Tendency_cooc.W.PET	0.056007819	0.077320083

## Shade_cooc.W.PET	0.035870657	0.039438000
## Prominence_cooc.W.PET	-0.010733595	0.009771940
## IC1_d.W.PET	-0.081610513	0.372836095
## IC2_d.W.PET	0.425013770	0.518309979
## Coarseness_vdif.W.PET	0.092881423	0.846397100
## Contrast_vdif.W.PET	0.153799207	0.345896911
## Busyness_vdif.W.PET	0.169681028	-0.037325519
## Complexity_vdif.W.PET	0.050386753	0.048516587
## Strength_vdif.W.PET	0.146029818	0.205133730
## SRE_align.W.PET	0.502670247	0.572083389
## LRE_align.W.PET	0.440520098	0.516784523
## GLNU_align.W.PET	0.324795586	-0.063700764
## RLNU_align.W.PET	0.191843825	-0.050441651
## RP_align.W.PET	0.499282208	0.568806409
## LGRE_align.W.PET	0.279493014	0.476013766
## HGRE_align.W.PET	0.021069005	0.044086928
## LGSRE_align.W.PET	0.304835894	0.508886953
## HGSRE_align.W.PET	0.019025228	0.042233203
## LGHRE_align.W.PET	0.177954203	0.326788967
## HGLRE_align.W.PET	0.030507869	0.051235974
## GLNU_norm_align.W.PET	0.223713683	0.589091879
## RLNU_norm_align.W.PET	0.493121728	0.553492556
## GLVAR_align.W.PET	0.061380241	0.074340556
## RLVAR_align.W.PET	0.186803096	0.374269251
## Entropy_align.W.PET	0.455106939	0.433556451
## SZSE.W.PET	0.480181706	0.542333037
## LZSE.W.PET	0.047134203	0.127002126
## LGLZE.W.PET	0.287325150	0.501744721
## HGLZE.W.PET	0.026673477	0.046118083
## SZLGE.W.PET	0.345692892	0.587279597
## SZHGE.W.PET	0.019546517	0.041044669
## LZLGE.W.PET	-0.008759140	0.026892972
## LZHGE.W.PET	0.064954969	0.102988325
## GLNU_area.W.PET	0.304097783	-0.061005915
## ZSNU.W.PET	0.155599328	-0.051492343
## ZSP.W.PET	0.456270247	0.475183976
## GLNU_norm.W.PET	0.216155892	0.609335279
## ZSNU_norm.W.PET	0.462007574	0.481200170
## GLVAR_area.W.PET	0.067752216	0.079490625
## ZSVAR.W.PET	0.013542559	0.077300738
## Entropy_area.W.PET	0.481618871	0.463908842
## Min_hist.ADC	-0.358719819	0.334410242
## Max_hist.ADC	0.703930757	0.405529531
## Mean_hist.ADC	0.591797342	0.458852426
## Variance_hist.ADC	0.704515394	0.181650276
## Standard_Deviation_hist.ADC	0.748767031	0.328623082
## Skewness_hist.ADC	-0.320692346	0.219039435
## Kurtosis_hist.ADC	0.159607588	0.208995109
## Energy_hist.ADC	0.136709500	0.978393532
## Entropy_hist.ADC	0.612152691	0.457318360
## AUC_hist.ADC	0.456015830	0.583522906
## Volume.ADC	0.200555363	-0.115138798
## X3D_surface.ADC	0.509255078	0.074469824
## ratio_3ds_vol.ADC	0.092479661	0.611278143

## ratio_3ds_vol_norm.ADC	0.557584250	0.462446879
## irregularity.ADC	0.387049762	0.605713380
## Compactness_v1.ADC	0.264400580	0.966659524
##	RLNU_norm_align.W.ADC	GLVAR_align.W.ADC
## Failure	0.0035487446	-0.100738540
## Entropy_cooc.W.ADC	0.0255051968	0.286890554
## GLNU_align.H.PET	-0.0441899854	0.148631915
## Min_hist.PET	0.5298441593	0.192233922
## Max_hist.PET	0.5441553772	0.256918571
## Mean_hist.PET	0.5293188975	0.189419676
## Variance_hist.PET	0.2619538504	0.103602789
## Standard_Deviation_hist.PET	0.5362388534	0.205003386
## Skewness_hist.PET	0.5387413970	0.412029763
## Kurtosis_hist.PET	0.1548667551	0.338818736
## Energy_hist.PET	0.4568842826	0.237717704
## Entropy_hist.PET	0.8714360635	0.570872870
## AUC_hist.PET	0.9952822629	0.470041315
## H_suv.PET	0.5620696798	0.218187650
## Volume.PET	0.3199941362	0.298124320
## X3D_surface.PET	0.2211435747	0.308211436
## ratio_3ds_vol.PET	0.5806031385	0.193820492
## ratio_3ds_vol_norm.PET	0.5871570271	0.327653252
## irregularity.PET	0.9697748086	0.421013007
## tumor_length.PET	0.6003076906	0.445318242
## Compactness_v1.PET	0.5606380613	0.308698500
## Compactness_v2.PET	0.2253540008	0.067110944
## Spherical_disproportion.PET	0.5871570271	0.327653252
## Sphericity.PET	0.2245790039	0.079206024
## Asphericity.PET	0.5653252150	0.319033899
## Center_of_mass.PET	0.3695604394	0.350800750
## Max_3D_diam.PET	0.4562191946	0.303652721
## Major_axis_length.PET	0.5025706860	0.355759873
## Minor_axis_length.PET	0.6542703120	0.421991768
## Least_axis_length.PET	0.5517253877	0.358334242
## Elongation.PET	0.8582300732	0.339265376
## Flatness.PET	0.7932282462	0.294556939
## Max_cooc.L.PET	0.4809240776	0.282927550
## Average_cooc.L.PET	0.8126032229	0.220046013
## Variance_cooc.L.PET	0.6496978773	0.107267707
## Entropy_cooc.L.PET	0.9780263894	0.416120322
## DAVE_cooc.L.PET	0.7604005180	0.199673094
## DVAR_cooc.L.PET	0.6722282799	0.161188658
## DENT_cooc.L.PET	0.9702860937	0.381663572
## SAVE_cooc.L.PET	0.8124019908	0.219820778
## SVAR_cooc.L.PET	0.6570804626	0.112114247
## SENT_cooc.L.PET	0.9763263744	0.396923845
## ASM_cooc.L.PET	0.4516991372	0.268735837
## Contrast_cooc.L.PET	0.5504379535	0.085060632
## Dissimilarity_cooc.L.PET	0.7604005180	0.199673094
## Inv_diff_cooc.L.PET	0.8540044725	0.516319403
## Inv_diff_norm_cooc.L.PET	0.9935873744	0.472888048
## IDM_cooc.L.PET	0.7660455831	0.507082727
## IDM_norm_cooc.L.PET	0.9973504292	0.463128338
## Inv_var_cooc.L.PET	0.7699330197	0.514158867

## Correlation_cooc.L.PET	0.6553768393	0.345208322
## Autocorrelation_cooc.L.PET	0.6070445544	0.091231949
## Tendency_cooc.L.PET	0.6570804626	0.112114247
## Shade_cooc.L.PET	0.3240815132	0.092283664
## Prominence_cooc.L.PET	0.4645121428	0.025453095
## IC1_.L.PET	-0.3628503649	0.026754567
## IC2_.L.PET	0.9043460922	0.331238389
## Coarseness_vdif_.L.PET	0.4922373394	0.199809459
## Contrast_vdif_.L.PET	0.2405437797	-0.001358364
## Busyness_vdif_.L.PET	0.3092193930	0.348227775
## Complexity_vdif_.L.PET	0.7209938348	0.225022167
## Strength_vdif_.L.PET	0.3061111157	0.020864349
## SRE_align.L.PET	0.9991391147	0.446498284
## LRE_align.L.PET	0.9911262353	0.465836660
## GLNU_align.L.PET	0.2543012148	0.296242169
## RLNU_align.L.PET	0.2284945754	0.256301789
## RP_align.L.PET	0.9989750649	0.444452788
## LGRE_align.L.PET	0.6364067720	0.416331114
## HGRE_align.L.PET	0.6290022220	0.100578302
## LGSRE_align.L.PET	0.6413348547	0.415892495
## HGSRE_align.L.PET	0.6275381501	0.099114976
## LGHRE_align.L.PET	0.6134035603	0.415286986
## HGLRE_align.L.PET	0.6330649926	0.106411273
## GLNU_norm_align.L.PET	0.6880172494	0.419433237
## RLNU_norm_align.L.PET	0.9976324391	0.437084031
## GLVAR_align.L.PET	0.6761427888	0.120782519
## RLVAR_align.L.PET	0.6485030435	0.425665245
## Entropy_align.L.PET	0.9830868865	0.414034769
## SZSE.L.PET	0.9771328231	0.438851046
## LZSE.L.PET	0.6919001759	0.339405703
## LGLZE.L.PET	0.6480675839	0.417499271
## HGLZE.L.PET	0.6385221457	0.102223217
## SZLGE.L.PET	0.6575454413	0.412402362
## SZHGE.L.PET	0.6335973336	0.106415314
## LZLGE.L.PET	0.5139653137	0.403905684
## LZHGE.L.PET	0.5224396481	0.066677905
## GLNU_area.L.PET	0.2557579357	0.298413352
## ZSNU.L.PET	0.2295476165	0.256297422
## ZSP.L.PET	0.9837047996	0.432765337
## GLNU_norm.L.PET	0.6882980932	0.419647074
## ZSNU_norm.L.PET	0.9859467292	0.421908392
## GLVAR_area.L.PET	0.6870904880	0.124230428
## ZSVAR.L.PET	0.4504104197	0.329839643
## Entropy_area.L.PET	0.9833998196	0.422916854
## Max_cooc.H.PET	0.3169629564	0.212321644
## Average_cooc.H.PET	0.9746237468	0.451269125
## Variance_cooc.H.PET	0.8552108364	0.317687435
## Entropy_cooc.H.PET	0.8329483661	0.260357988
## DAVE_cooc.H.PET	0.8793337789	0.338864204
## DVAR_cooc.H.PET	0.8559056165	0.339908642
## DENT_cooc.H.PET	0.7729558676	0.467297797
## SAVE_cooc.H.PET	0.9805700199	0.480400639
## SVAR_cooc.H.PET	0.8436929449	0.449915298
## SENT_cooc.H.PET	0.6953957710	0.276761487

## ASM_cooc.H.PET	0.3032710728	0.203705578
## Contrast_cooc.H.PET	0.7853356198	0.281021517
## Dissimilarity_cooc.H.PET	0.8793337789	0.338864204
## Inv_diff_cooc.H.PET	0.6787374724	0.384075971
## Inv_diff_norm_cooc.H.PET	0.9957274949	0.460520975
## IDM_cooc.H.PET	0.5751577069	0.343548733
## IDM_norm_cooc.H.PET	0.9983257633	0.456523028
## Inv_var_cooc_.H.PET	0.6009962001	0.333368115
## Correlation_cooc.H.PET	0.6623666165	0.318057074
## Autocorrelation_cooc.H.PET	0.9180628672	0.436796643
## Tendency_cooc.H.PET	0.8164712379	0.309067096
## Shade_cooc.H.PET	-0.4147668345	-0.094159007
## Prominence_cooc.H.PET	0.6001219491	0.198936940
## IC1_d.H.PET	-0.1066168560	-0.044537543
## IC2_d.H.PET	0.7798873169	0.367797243
## Coarseness_vdif.H.PET	0.4453688311	0.243358248
## Contrast_vdif.H.PET	0.2984381558	0.126755809
## Busyness_vdif.H.PET	0.1147270678	0.131911792
## Complexity_vdif.H.PET	0.6685082511	0.266407016
## Strength_vdif.H.PET	0.0276266693	-0.068318513
## SRE_align.H.PET	0.9727801849	0.415979350
## LRE_align.H.PET	0.6410823003	0.404648877
## RLNU_align.H.PET	0.2279050436	0.250563321
## RP_align.H.PET	0.9610516621	0.403603164
## LGRE_align.H.PET	0.4683883379	0.261673689
## HGRE_align.H.PET	0.9235328920	0.441646091
## LGSRE_align.H.PET	0.4659910204	0.260710580
## HGSRE_align.H.PET	0.9679304712	0.436615372
## LGHRE_align.H.PET	0.4812534970	0.268500357
## HGLRE_align.H.PET	0.4412686446	0.294931821
## GLNU_norm_align.H.PET	0.5201710013	0.307944464
## RLNU_norm_align.H.PET	0.9106238770	0.367674465
## GLVAR_align.H.PET	0.8216501904	0.312072863
## RLVAR_align.H.PET	0.2866241369	0.263212176
## Entropy_align.H.PET	0.8985894752	0.395516113
## SZSE.H.PET	0.8558533863	0.372704673
## LZSE.H.PET	-0.0582046724	0.091624507
## LGLZE.H.PET	0.4690086467	0.260349235
## HGLZE.H.PET	0.8715283925	0.538773920
## SZLGE.H.PET	0.4627036188	0.259151297
## SZHGE.H.PET	0.8336902552	0.404173518
## LZLGE.H.PET	0.0064726992	0.118123162
## LZHGE.H.PET	-0.0493069302	0.070562365
## GLNU_area.H.PET	0.2640786358	0.280101489
## ZSNU.H.PET	0.1987645910	0.224238140
## ZSP.H.PET	0.6720536449	0.257204357
## GLNU_norm.H.PET	0.5319434434	0.274596248
## ZSNU_norm.H.PET	0.7251682897	0.287359377
## GLVAR_area.H.PET	0.8011587469	0.326675335
## ZSVAR_H.PET	-0.0553642716	0.087052288
## Entropy_area.H.PET	0.9458747706	0.449516874
## Max_cooc.W.PET	0.3568917965	0.202541539
## Average_cooc.W.PET	0.5249129902	0.183365626
## Variance_cooc.W.PET	0.2618624712	0.098274451

## Entropy_cooc.W.PET	0.8558553232	0.353158382
## DAVE_cooc.W.PET	0.5514861886	0.178687256
## DVAR_cooc.W.PET	0.2957718021	0.093223586
## DENT_cooc.W.PET	0.8410716546	0.338654585
## SAVE_cooc.W.PET	0.5241317707	0.182878398
## SVAR_cooc.W.PET	0.2362886302	0.101953614
## SENT_cooc.W.PET	0.8961389004	0.377462458
## ASM_cooc.W.PET	0.3941849648	0.236163737
## Contrast_cooc.W.PET	0.3048857846	0.079540253
## Dissimilarity_cooc.W.PET	0.5514861886	0.178687256
## Inv_diff_cooc.W.PET	0.7578056528	0.406384779
## Inv_diff_norm_cooc.W.PET	0.9939940817	0.472532339
## IDM_cooc.W.PET	0.6251035563	0.358617135
## IDM_norm_cooc.W.PET	0.9975381077	0.462935100
## Inv_var_cooc.W.PET	0.6948962513	0.390016103
## Correlation_cooc.W.PET	0.6546791834	0.344910064
## Autocorrelation_cooc.W.PET	0.2586817382	0.093906984
## Tendency_cooc.W.PET	0.2362886302	0.101953614
## Shade_cooc.W.PET	0.0461081200	0.057574517
## Prominence_cooc.W.PET	0.0143863672	0.048648308
## IC1_d.W.PET	-0.1243793263	-0.014491833
## IC2_d.W.PET	0.8478847199	0.375820426
## Coarseness_vdif.W.PET	0.4622997854	0.161522276
## Contrast_vdif.W.PET	0.4874292830	0.086422525
## Busyness_vdif.W.PET	0.2299020241	0.238510162
## Complexity_vdif.W.PET	0.1716461331	0.119149251
## Strength_vdif.W.PET	0.2560222242	0.090498710
## SRE_align.W.PET	0.9928915608	0.437761225
## LRE_align.W.PET	0.8685771956	0.443577320
## GLNU_align.W.PET	0.2601529611	0.312172338
## RLNU_align.W.PET	0.2286706320	0.253448782
## RP_align.W.PET	0.9886410456	0.431295560
## LGRE_align.W.PET	0.5032332616	0.321845134
## HGRE_align.W.PET	0.2614627927	0.095142382
## LGSRE_align.W.PET	0.5395261252	0.335838757
## HGSRE_align.W.PET	0.2572494854	0.092737255
## LGHRE_align.W.PET	0.3387118344	0.258799112
## HGLRE_align.W.PET	0.2781128637	0.104737883
## GLNU_norm_align.W.PET	0.5223714257	0.305383383
## RLNU_norm_align.W.PET	0.9695112222	0.413162971
## GLVAR_align.W.PET	0.2617353700	0.104059913
## RLVAR_align.W.PET	0.3631912392	0.279827215
## Entropy_align.W.PET	0.9010502655	0.390333176
## SZSE.W.PET	0.9424769043	0.417170509
## LZSE.W.PET	0.1293894740	0.104091131
## LGLZE.W.PET	0.5272516153	0.330292621
## HGLZE.W.PET	0.2649951032	0.095337355
## SZLGE.W.PET	0.6016779415	0.363760501
## SZHGE.W.PET	0.2530935989	0.089602977
## LZLGE.W.PET	0.0007291129	0.072876375
## LZHGE.W.PET	0.2988695671	0.080195600
## GLNU_area.W.PET	0.2692361925	0.305683280
## ZSNU.W.PET	0.2169071905	0.243280390
## ZSP.W.PET	0.8722807845	0.376640492

## GLNU_norm.W.PET	0.5421617861	0.303964710	
## ZSNU_norm.W.PET	0.8681025920	0.362964093	
## GLVAR_area.W.PET	0.2655951347	0.105635030	
## ZSVAR.W.PET	0.0405228164	0.074870767	
## Entropy_area.W.PET	0.9384477789	0.426042088	
## Min_hist.ADC	0.3348530365	-0.285191213	
## Max_hist.ADC	0.8788587639	0.692079396	
## Mean_hist.ADC	0.8668993496	0.398294859	
## Variance_hist.ADC	0.4584630736	0.999970425	
## Standard_Deviation_hist.ADC	0.7330324801	0.933965298	
## Skewness_hist.ADC	0.2243601731	-0.007462108	
## Kurtosis_hist.ADC	0.2564469186	-0.154967038	
## Energy_hist.ADC	0.4654643241	0.230500048	
## Entropy_hist.ADC	0.9480206265	0.566850664	
## AUC_hist.ADC	0.9745178953	0.453665048	
## Volume.ADC	0.3073614171	0.293786598	
## X3D_surface.ADC	0.4154671778	0.578552526	
## ratio_3ds_vol.ADC	0.6676064096	0.083193225	
## ratio_3ds_vol_norm.ADC	0.9372052514	0.500287040	
## irregularity.ADC	0.9641337043	0.361120547	
## Compactness_v1.ADC	0.7000429845	0.319951834	
##	RLVAR_align.W.ADC	Entropy_align.W.ADC	SZSE.W.ADC
## Failure	0.0254049232	-0.072698991	-0.0011240115
## Entropy_cooc.W.ADC	0.0001903104	0.107310929	0.0313772945
## GLNU_align.H.PET	0.0647324002	-0.024028298	-0.0425349729
## Min_hist.PET	0.2175667249	0.515582829	0.5314455924
## Max_hist.PET	0.2499738125	0.539262283	0.5463157538
## Mean_hist.PET	0.2229863221	0.514082080	0.5313322340
## Variance_hist.PET	0.1072611845	0.253565451	0.2626462000
## Standard_Deviation_hist.PET	0.2726563265	0.523932969	0.5376826809
## Skewness_hist.PET	0.3651073865	0.545440398	0.5393409849
## Kurtosis_hist.PET	0.1495377943	0.135613009	0.1550108280
## Energy_hist.PET	0.9168035603	0.356025113	0.4491315244
## Entropy_hist.PET	0.4350142944	0.899628769	0.8776769096
## AUC_hist.PET	0.6508614957	0.965618731	0.9951549027
## H_suv.PET	0.3594188871	0.519318926	0.5627191909
## Volume.PET	-0.0147572797	0.390441460	0.3271464668
## X3D_surface.PET	0.1654409588	0.264128645	0.2241091334
## ratio_3ds_vol.PET	0.6447328075	0.486617732	0.5751558344
## ratio_3ds_vol_norm.PET	0.6838324136	0.521529886	0.5845350334
## irregularity.PET	0.6013170521	0.934272307	0.9692082021
## tumor_length.PET	0.4470126149	0.616975773	0.6027070807
## Compactness_v1.PET	0.9068529787	0.479914460	0.5550997713
## Compactness_v2.PET	-0.1427427031	0.261508186	0.2293211106
## Spherical_disproportion.PET	0.6838324136	0.521529886	0.5845350334
## Sphericity.PET	-0.2768644046	0.281457572	0.2300069407
## Asphericity.PET	0.6774219411	0.499370536	0.5626494291
## Center_of_mass.PET	0.2537700359	0.419634297	0.3717976473
## Max_3D_diam.PET	-0.0089753520	0.511384594	0.4621964308
## Major_axis_length.PET	0.1108596813	0.542505284	0.5071351351
## Minor_axis_length.PET	0.3122258647	0.680571235	0.6586823152
## Least_axis_length.PET	0.1880157962	0.589709177	0.5565741044
## Elongation.PET	0.6238222548	0.809581700	0.8578023702
## Flatness.PET	0.5271817078	0.755397439	0.7930530025

## Max_cooc.L.PET	0.9407238119	0.382849374	0.4733845383
## Average_cooc.L.PET	0.4845616380	0.745968069	0.8104620927
## Variance_cooc.L.PET	0.3976619264	0.577555441	0.6460366025
## Entropy_cooc.L.PET	0.5546885932	0.954415298	0.9788331820
## DAVE_cooc.L.PET	0.4602038704	0.692570013	0.7575761885
## DVAR_cooc.L.PET	0.4857372164	0.577688724	0.6656522589
## DENT_cooc.L.PET	0.5708669313	0.929813240	0.9694743345
## SAVE_cooc.L.PET	0.4836052885	0.745857261	0.8102688228
## SVAR_cooc.L.PET	0.3935140707	0.594082777	0.6538357812
## SENT_cooc.L.PET	0.6431171756	0.932175834	0.9751083188
## ASM_cooc.L.PET	0.9414932744	0.355658194	0.4445106859
## Contrast_cooc.L.PET	0.3504622557	0.473506738	0.5466098200
## Dissimilarity_cooc.L.PET	0.4602038704	0.692570013	0.7575761885
## Inv_diff_cooc.L.PET	0.6614192005	0.839182117	0.8539341524
## Inv_diff_norm_cooc.L.PET	0.6172537196	0.969406868	0.9937704681
## IDM_cooc.L.PET	0.6862977367	0.746756221	0.7651593291
## IDM_norm_cooc.L.PET	0.6156415477	0.970693799	0.9974026498
## Inv_var_cooc.L.PET	0.6901587592	0.752366595	0.7697028106
## Correlation_cooc.L.PET	0.4359933811	0.673244247	0.6568149273
## Autocorrelation_cooc.L.PET	0.3828227339	0.523961096	0.6035058952
## Tendency_cooc.L.PET	0.3935140707	0.594082777	0.6538357812
## Shade_cooc.L.PET	0.1621238189	0.339610436	0.3256330077
## Prominence_cooc.L.PET	0.2901964557	0.401314917	0.4610452159
## IC1_.L.PET	0.0282192362	-0.332034578	-0.3597886781
## IC2_.L.PET	0.6218070122	0.848877321	0.9013387706
## Coarseness_vdif_.L.PET	0.8589336666	0.385186911	0.4838855000
## Contrast_vdif_.L.PET	0.1827143506	0.186283063	0.2364567802
## Busyness_vdif_.L.PET	0.0726849821	0.370563802	0.3133830047
## Complexity_vdif_.L.PET	0.4996065716	0.654000052	0.7177008271
## Strength_vdif_.L.PET	0.2647369423	0.248519821	0.2998405404
## SRE_align.L.PET	0.6194547138	0.966275172	0.9988741352
## LRE_align.L.PET	0.6033968443	0.966707829	0.9910716737
## GLNU_align.L.PET	0.0704882614	0.305831752	0.2579169096
## RLNU_align.L.PET	0.0139790792	0.291777152	0.2325560619
## RP_align.L.PET	0.6192288193	0.965691371	0.9986712102
## LGRE_align.L.PET	0.6912994093	0.583177780	0.6308557903
## HGRE_align.L.PET	0.3939550245	0.544301402	0.6255716656
## LGSRE_align.L.PET	0.7014162787	0.586603257	0.6357268044
## HGSRE_align.L.PET	0.3943444234	0.542329634	0.6240848548
## LGHRE_align.L.PET	0.6491805034	0.566103277	0.6080825705
## HGLRE_align.L.PET	0.3908962144	0.550794180	0.6297418989
## GLNU_norm_align.L.PET	0.9063756071	0.609566751	0.6825436687
## RLNU_norm_align.L.PET	0.6191739379	0.962604316	0.9972197166
## GLVAR_align.L.PET	0.4150986574	0.599784168	0.6725631084
## RLVAR_align.L.PET	0.8527550553	0.595766071	0.6446822558
## Entropy_align.L.PET	0.5649005526	0.956137971	0.9835303026
## SZSE.L.PET	0.6209097205	0.941411763	0.9770315994
## LZSE.L.PET	0.3865100643	0.684114419	0.6911871607
## LGLZE.L.PET	0.7062412084	0.592213142	0.6426753411
## HGLZE.L.PET	0.3988648333	0.554624334	0.6352849846
## SZLGE.L.PET	0.7368069022	0.597082088	0.6521595300
## SZHGE.L.PET	0.4056141567	0.549434601	0.6307877288
## LZLGE.L.PET	0.5047738869	0.483189613	0.5093586994
## LZHGE.L.PET	0.2912725437	0.457680318	0.5183917923

## GLNU_area.L.PET	0.0647227438	0.309834364	0.2595939240
## ZSNU.L.PET	0.0051666582	0.294008258	0.2337706203
## ZSP.L.PET	0.6180935391	0.947828647	0.9834100413
## GLNU_norm.L.PET	0.9100947908	0.610378281	0.6828780883
## ZSNU_norm.L.PET	0.6151983146	0.947754672	0.9850285820
## GLVAR_area.L.PET	0.4247304416	0.609749040	0.6836468837
## ZSVAR.L.PET	0.3911569421	0.436537708	0.4496604975
## Entropy_area.L.PET	0.5651518851	0.958666299	0.9841036200
## Max_cooc.H.PET	0.3831957159	0.273993255	0.3132655279
## Average_cooc.H.PET	0.5801563510	0.943841138	0.9740455217
## Variance_cooc.H.PET	0.4837600768	0.827398706	0.8556982195
## Entropy_cooc.H.PET	0.4429489549	0.781853479	0.8317481393
## DAVE_cooc.H.PET	0.5025010844	0.837064187	0.8792753106
## DVAR_cooc.H.PET	0.5025852367	0.805085723	0.8556279853
## DENT_cooc.H.PET	0.3541016832	0.807413356	0.7795593189
## SAVE_cooc.H.PET	0.5680692336	0.963626513	0.9805624721
## SVAR_cooc.H.PET	0.4785919059	0.860524864	0.8470240766
## SENT_cooc.H.PET	0.6772434549	0.636017394	0.6927995971
## ASM_cooc.H.PET	0.4561298520	0.245876178	0.2987490152
## Contrast_cooc.H.PET	0.4502709616	0.733012019	0.7850421592
## Dissimilarity_cooc.H.PET	0.5025010844	0.837064187	0.8792753106
## Inv_diff_cooc.H.PET	0.5271040390	0.651503137	0.6770851978
## Inv_diff_norm_cooc.H.PET	0.6244805852	0.966715960	0.9954491380
## IDM_cooc.H.PET	0.4766609496	0.548758270	0.5732719615
## IDM_norm_cooc.H.PET	0.6195747417	0.969317083	0.9981178055
## Inv_var_cooc_.H.PET	0.8946657120	0.528730741	0.5959220119
## Correlation_cooc.H.PET	0.4430166928	0.679479461	0.6631210196
## Autocorrelation_cooc.H.PET	0.5599797099	0.886582647	0.9169011267
## Tendency_cooc.H.PET	0.4584795445	0.804399552	0.8173379677
## Shade_cooc.H.PET	-0.2527730149	-0.393162558	-0.4127909353
## Prominence_cooc.H.PET	0.3193969565	0.595964461	0.6015416230
## IC1_d.H.PET	0.3008720054	-0.176388396	-0.1117326446
## IC2_d.H.PET	0.4985933049	0.785350313	0.7804631934
## Coarseness_vdif.H.PET	0.9331913708	0.345203446	0.4378667693
## Contrast_vdif.H.PET	0.2481859326	0.237898523	0.2919964889
## Busyness_vdif.H.PET	-0.2900055283	0.190988925	0.1195552791
## Complexity_vdif.H.PET	0.7036357763	0.577200595	0.6636841938
## Strength_vdif.H.PET	0.0754818456	-0.018150409	0.0239019918
## SRE_align.H.PET	0.5982321264	0.938997579	0.9725464374
## LRE_align.H.PET	0.3977164899	0.634300630	0.6404188614
## RLNU_align.H.PET	0.0242657607	0.284397019	0.2316227847
## RP_align.H.PET	0.5906205307	0.925550906	0.9606524587
## LGRE_align.H.PET	0.9452880908	0.371899992	0.4617225837
## HGRE_align.H.PET	0.5526118598	0.892606395	0.9227496736
## LGSRE_align.H.PET	0.9447741700	0.369325594	0.4593050149
## HGSRE_align.H.PET	0.5660394529	0.935598230	0.9672584176
## LGHRE_align.H.PET	0.9479538589	0.386281094	0.4747194881
## HGLRE_align.H.PET	0.2884583551	0.430602122	0.4413532863
## GLNU_norm_align.H.PET	0.4640264395	0.478338997	0.5170071775
## RLNU_norm_align.H.PET	0.5580515796	0.873996930	0.9103063848
## GLVAR_align.H.PET	0.4594581064	0.798382955	0.8224361830
## RLVAR_align.H.PET	0.2316019208	0.295892187	0.2880489821
## Entropy_align.H.PET	0.4949716740	0.886227689	0.9005073189
## SZSE.H.PET	0.5293282365	0.828069142	0.8568327258

## LZSE.H.PET	-0.0780313971	-0.027909936	-0.0557178412
## LGLZE.H.PET	0.9443048290	0.372498097	0.4624054620
## HGLZE.H.PET	0.4842101225	0.890820835	0.8744531712
## SZLGE.H.PET	0.9432446172	0.366002348	0.4560790978
## SZHGE.H.PET	0.4593463492	0.824436568	0.8352519355
## LZLGE.H.PET	0.0548612691	0.024989166	0.0083529755
## LZHGE.H.PET	-0.0371167636	-0.039182676	-0.0491278741
## GLNU_area.H.PET	0.0254222996	0.327098492	0.2677345990
## ZSNU.H.PET	0.0042499718	0.247402288	0.2025343771
## ZSP.H.PET	0.3929957710	0.643137081	0.6731125845
## GLNU_norm.H.PET	0.4798595497	0.479720761	0.5281727583
## ZSNU_norm.H.PET	0.4408029138	0.696781596	0.7259544078
## GLVAR_area.H.PET	0.4392877499	0.785517731	0.8025975104
## ZSVAR_H.PET	-0.0531996455	-0.033028045	-0.0540632869
## Entropy_area.H.PET	0.5361812458	0.938538678	0.9476739477
## Max_cooc.W.PET	0.5885078255	0.283866885	0.3509822785
## Average_cooc.W.PET	0.2466107030	0.506690522	0.5271244334
## Variance_cooc.W.PET	0.1134065282	0.254383283	0.2622056277
## Entropy_cooc.W.PET	0.4602951492	0.839648307	0.8575071315
## DAVE_cooc.W.PET	0.2706294221	0.526280006	0.5528844370
## DVAR_cooc.W.PET	0.1115246069	0.278215790	0.2965208645
## DENT_cooc.W.PET	0.4643207438	0.817981727	0.8421671821
## SAVE_cooc.W.PET	0.2447357827	0.506102056	0.5263584510
## SVAR_cooc.W.PET	0.1100223306	0.234497272	0.2363546506
## SENT_cooc.W.PET	0.5692682101	0.867828956	0.8964983876
## ASM_cooc.W.PET	0.7487478668	0.306057686	0.3874137637
## Contrast_cooc.W.PET	0.1109543114	0.283302747	0.3059329907
## Dissimilarity_cooc.W.PET	0.2706294221	0.526280006	0.5528844370
## Inv_diff_cooc.W.PET	0.5610701798	0.728905771	0.7559341389
## Inv_diff_norm_cooc.W.PET	0.6183803361	0.969295549	0.9941087378
## IDM_cooc.W.PET	0.4980433659	0.597728251	0.6229767544
## IDM_norm_cooc.W.PET	0.6161973166	0.970688565	0.9975507371
## Inv_var_cooc.W.PET	0.5463985473	0.667985176	0.6929187730
## Correlation_cooc.W.PET	0.4351722909	0.673355077	0.6561886043
## Autocorrelation_cooc.W.PET	0.0828459307	0.246305020	0.2608617185
## Tendency_cooc.W.PET	0.1100223306	0.234497272	0.2363546506
## Shade_cooc.W.PET	0.0540609481	0.053046015	0.0433508381
## Prominence_cooc.W.PET	0.0186905988	0.016931509	0.0119236223
## IC1_d.W.PET	0.3564564252	-0.191724596	-0.1293633609
## IC2_d.W.PET	0.5520146131	0.835347037	0.8478303356
## Coarseness_vdif.W.PET	0.7777274766	0.356074221	0.4535970159
## Contrast_vdif.W.PET	0.3383432252	0.422613298	0.4857162485
## Busyness_vdif.W.PET	-0.0169496852	0.272448403	0.2337220944
## Complexity_vdif.W.PET	0.0708729048	0.164542755	0.1716202217
## Strength_vdif.W.PET	0.2058867746	0.233015760	0.2524278579
## SRE_align.W.PET	0.6122411259	0.960472835	0.9927001671
## LRE_align.W.PET	0.5387332264	0.848903699	0.8685777687
## GLNU_align.W.PET	0.0186409978	0.330814676	0.2649587233
## RLNU_align.W.PET	0.0237350683	0.287747973	0.2324448695
## RP_align.W.PET	0.6087873123	0.955544671	0.9883999850
## LGRE_align.W.PET	0.4439651163	0.468380886	0.4993702211
## HGRE_align.W.PET	0.0754634310	0.249152285	0.2637582953
## LGSRE_align.W.PET	0.4791226149	0.501798945	0.5353703903
## HGSRE_align.W.PET	0.0726598755	0.244797707	0.2595202805

## LGHRE_align.W.PET	0.2909167270	0.318121225	0.3362244055
## HGLRE_align.W.PET	0.0865258967	0.266677722	0.2804999767
## GLNU_norm_align.W.PET	0.5506984025	0.467867753	0.5181585376
## RLNU_norm_align.W.PET	0.5950088659	0.935735490	0.9693058687
## GLVAR_align.W.PET	0.1055065151	0.253774968	0.2624334804
## RLVAR_align.W.PET	0.3671955636	0.351052059	0.3625534425
## Entropy_align.W.PET	0.4949943452	0.886558906	0.9027690637
## SZSE.W.PET	0.5913843110	0.910537931	0.9426275341
## LZSE.W.PET	0.1075429253	0.117680016	0.1280701314
## LGLZE.W.PET	0.4779145035	0.490774961	0.5236020425
## HGLZE.W.PET	0.0773001335	0.253849726	0.2671529725
## SZLGE.W.PET	0.5763359497	0.557730712	0.5975468477
## SZHGE.W.PET	0.0701647999	0.241985913	0.2551751227
## LZLGE.W.PET	-0.0025499783	-0.000686747	0.0001071717
## LZHGE.W.PET	0.1417021399	0.286068342	0.2998771905
## GLNU_area.W.PET	0.0248828431	0.337305173	0.2736439354
## ZSNU.W.PET	0.0181971986	0.271553443	0.2205672819
## ZSP.W.PET	0.5254597331	0.843652563	0.8726972224
## GLNU_norm.W.PET	0.5727611491	0.484081902	0.5377500395
## ZSNU_norm.W.PET	0.5299948636	0.838019069	0.8679408523
## GLVAR_area.W.PET	0.1112067413	0.257899005	0.2663337434
## ZSVAR.W.PET	0.0632405053	0.031932525	0.0393295419
## Entropy_area.W.PET	0.5236479271	0.925887234	0.9402292798
## Min_hist.ADC	0.2643076912	0.234764462	0.3286714787
## Max_hist.ADC	0.5085199488	0.893595108	0.8840996365
## Mean_hist.ADC	0.5109538448	0.845710879	0.8679793355
## Variance_hist.ADC	0.2564658904	0.544403692	0.4632654304
## Standard_Deviation_hist.ADC	0.3993369718	0.791329605	0.7371483425
## Skewness_hist.ADC	0.1935985057	0.162041068	0.2213323693
## Kurtosis_hist.ADC	0.2868644689	0.225318218	0.2598426774
## Energy_hist.ADC	0.9348773313	0.356919503	0.4568888140
## Entropy_hist.ADC	0.5527147662	0.961285578	0.9529294347
## AUC_hist.ADC	0.6286856855	0.940625103	0.9741851755
## Volume.ADC	-0.0213597658	0.377500300	0.3146460424
## X3D_surface.ADC	0.2419473035	0.493368095	0.4253125474
## ratio_3ds_vol.ADC	0.4688133732	0.560233070	0.6554340197
## ratio_3ds_vol_norm.ADC	0.5259781262	0.941305947	0.9387433602
## irregularity.ADC	0.5860355407	0.904658339	0.9595388279
## Compactness_v1.ADC	0.9482729135	0.599825788	0.6937684954
##	LZSE.W.ADC	LGLZE.W.ADC	HGLZE.W.ADC
## Failure	-0.006976249	0.063575184	-0.2048353524
## Entropy_cooc.W.ADC	0.032794785	-0.019505013	0.2030929573
## GLNU_align.H.PET	-0.029453552	0.067189649	0.1110317577
## Min_hist.PET	0.518371412	0.091067975	0.2220500344
## Max_hist.PET	0.541631575	0.104134783	0.2752349348
## Mean_hist.PET	0.521830017	0.086289961	0.2040907558
## Variance_hist.PET	0.254452822	0.020741332	0.0598405098
## Standard_Deviation_hist.PET	0.535469447	0.124751325	0.2333165652
## Skewness_hist.PET	0.524206089	0.291593162	0.5137068790
## Kurtosis_hist.PET	0.149156895	0.130088766	0.3121473426
## Energy_hist.PET	0.424588559	0.967212847	0.1621529394
## Entropy_hist.PET	0.847831464	0.288653070	0.5875043631
## AUC_hist.PET	0.979894732	0.492738270	0.5139901280
## H_suv.PET	0.555037502	0.213540461	0.2584776660

## Volume.PET	0.342099897	-0.146576711	0.1881136450
## X3D_surface.PET	0.228702605	0.126902347	0.2374580310
## ratio_3ds_vol.PET	0.559143270	0.624989641	0.2507545179
## ratio_3ds_vol_norm.PET	0.582508233	0.630793589	0.3140748566
## irregularity.PET	0.949119282	0.460300396	0.4828676361
## tumor_length.PET	0.611633236	0.336191362	0.4042602529
## Compactness_v1.PET	0.534558967	0.901297065	0.2288351116
## Compactness_v2.PET	0.239836996	-0.257268734	0.0976520676
## Spherical_disproportion.PET	0.582508233	0.630793589	0.3140748566
## Sphericity.PET	0.234593452	-0.401507800	0.1317391060
## Asphericity.PET	0.561046749	0.628958754	0.3033214361
## Center_of_mass.PET	0.379337289	0.184675436	0.2915604623
## Max_3D_diam.PET	0.465181596	-0.149869414	0.2972140623
## Major_axis_length.PET	0.504078445	-0.009415071	0.2846147059
## Minor_axis_length.PET	0.666213177	0.145227522	0.4292984166
## Least_axis_length.PET	0.566378196	0.025527029	0.3511323048
## Elongation.PET	0.844352539	0.478774427	0.4563506552
## Flatness.PET	0.785144358	0.375116103	0.3852096322
## Max_cooc.L.PET	0.451144580	0.977492419	0.1940934128
## Average_cooc.L.PET	0.796843358	0.360525158	0.2181229738
## Variance_cooc.L.PET	0.629760358	0.327726467	0.1515189317
## Entropy_cooc.L.PET	0.967661616	0.372786925	0.4678245246
## DAVE_cooc.L.PET	0.739511266	0.358939150	0.2705343293
## DVAR_cooc.L.PET	0.665665099	0.378111177	0.2445463269
## DENT_cooc.L.PET	0.953741492	0.410700994	0.4470645586
## SAVE_cooc.L.PET	0.796671008	0.359464808	0.2180092100
## SVAR_cooc.L.PET	0.640007787	0.317498871	0.1302560462
## SENT_cooc.L.PET	0.958312300	0.495377449	0.4474353453
## ASM_cooc.L.PET	0.422725137	0.981990965	0.1799180958
## Contrast_cooc.L.PET	0.528641579	0.299577055	0.1648536670
## Dissimilarity_cooc.L.PET	0.739511266	0.358939150	0.2705343293
## Inv_diff_cooc.L.PET	0.842396240	0.532354962	0.5287922479
## Inv_diff_norm_cooc.L.PET	0.979690618	0.451298358	0.5192700489
## IDM_cooc.L.PET	0.753894242	0.585071545	0.5033503768
## IDM_norm_cooc.L.PET	0.982954100	0.449555098	0.5110510042
## Inv_var_cooc.L.PET	0.760477531	0.582759778	0.5110400584
## Correlation_cooc.L.PET	0.656287963	0.330011923	0.3182864005
## Autocorrelation_cooc.L.PET	0.592513242	0.305609460	0.0435527460
## Tendency_cooc.L.PET	0.640007787	0.317498871	0.1302560462
## Shade_cooc.L.PET	0.312869800	0.125124454	0.1994505370
## Prominence_cooc.L.PET	0.446955205	0.255573812	0.0572937212
## IC1_.L.PET	-0.336904881	0.020590365	-0.0510591551
## IC2_.L.PET	0.873858614	0.533542842	0.3867462155
## Coarseness_vdif_.L.PET	0.455588697	0.912135756	0.1286553927
## Contrast_vdif_.L.PET	0.216215562	0.215032001	0.0646217710
## Busyness_vdif_.L.PET	0.329925448	-0.038825812	0.3291143984
## Complexity_vdif_.L.PET	0.697667959	0.413389142	0.3226640977
## Strength_vdif_.L.PET	0.279994617	0.301974585	0.0644582197
## SRE_align.L.PET	0.983409397	0.456583647	0.4968639535
## LRE_align.L.PET	0.977363470	0.438035390	0.5219924638
## GLNU_align.L.PET	0.279383700	-0.023685268	0.2613181730
## RLNU_align.L.PET	0.247781985	-0.072434930	0.2088720462
## RP_align.L.PET	0.983060047	0.456731925	0.4956396463
## LGRE_align.L.PET	0.619340053	0.650532470	0.4431499171

## HGRE_align.L.PET	0.612300177	0.315342096	0.0704527897
## LGSRE_align.L.PET	0.623954489	0.660753983	0.4417578788
## HGSRE_align.L.PET	0.610797851	0.316689950	0.0694004099
## LGHRE_align.L.PET	0.597649625	0.608298108	0.4452052931
## HGLRE_align.L.PET	0.616633319	0.308685211	0.0753449490
## GLNU_norm_align.L.PET	0.659895321	0.884129913	0.3829949117
## RLNU_norm_align.L.PET	0.981185964	0.458160328	0.4901038768
## GLVAR_align.L.PET	0.658033468	0.333061166	0.1502571784
## RLVAR_align.L.PET	0.631101854	0.812138738	0.3739290803
## Entropy_align.L.PET	0.971508520	0.388909201	0.4619529108
## SZSE.L.PET	0.962176108	0.462386226	0.4650419557
## LZSE.L.PET	0.682143964	0.270730762	0.4454470429
## LGLZE.L.PET	0.631987458	0.662545778	0.4468069368
## HGLZE.L.PET	0.622854975	0.316810745	0.0779652427
## SZLGE.L.PET	0.641522519	0.693662431	0.4311250789
## SZHGE.L.PET	0.619548956	0.323685429	0.0723271522
## LZLGE.L.PET	0.500099446	0.472461492	0.4413641345
## LZHGE.L.PET	0.504700975	0.226573603	0.0873118377
## GLNU_area.L.PET	0.279803938	-0.029264385	0.2570698098
## ZSNU.L.PET	0.247752510	-0.082171831	0.2012692031
## ZSP.L.PET	0.967655924	0.459992810	0.4665529069
## GLNU_norm.L.PET	0.659968899	0.888096185	0.3822187275
## ZSNU_norm.L.PET	0.968812478	0.461063460	0.4659610836
## GLVAR_area.L.PET	0.669460077	0.340290364	0.1565938987
## ZSVAR.L.PET	0.446787040	0.328171551	0.3678824298
## Entropy_area.L.PET	0.973131257	0.385874871	0.4727755563
## Max_cooc.H.PET	0.288687590	0.434779989	0.1195485272
## Average_cooc.H.PET	0.955309274	0.435533099	0.4875109153
## Variance_cooc.H.PET	0.852694721	0.302115640	0.3839497690
## Entropy_cooc.H.PET	0.835184217	0.256381710	0.3450823737
## DAVE_cooc.H.PET	0.868228138	0.330130589	0.4347297643
## DVAR_cooc.H.PET	0.839727886	0.341290276	0.3885483042
## DENT_cooc.H.PET	0.764865372	0.205546651	0.5364266803
## SAVE_cooc.H.PET	0.961605250	0.419030772	0.5220789797
## SVAR_cooc.H.PET	0.832611801	0.329151557	0.4634759899
## SENT_cooc.H.PET	0.690490976	0.569906910	0.3290301559
## ASM_cooc.H.PET	0.270167403	0.524224090	0.0735670305
## Contrast_cooc.H.PET	0.770885698	0.295719588	0.3679445876
## Dissimilarity_cooc.H.PET	0.868228138	0.330130589	0.4347297643
## Inv_diff_cooc.H.PET	0.650644787	0.489787247	0.3244246953
## Inv_diff_norm_cooc.H.PET	0.979577571	0.467483601	0.5011460734
## IDM_cooc.H.PET	0.546076659	0.465693023	0.2709572210
## IDM_norm_cooc.H.PET	0.983092831	0.458085337	0.5039662247
## Inv_var_cooc.H.PET	0.578997907	0.866643939	0.2942215923
## Correlation_cooc.H.PET	0.668008766	0.326519526	0.2987586867
## Autocorrelation_cooc.H.PET	0.896199976	0.441022072	0.4462882796
## Tendency_cooc.H.PET	0.820630753	0.278424378	0.3582619947
## Shade_cooc.H.PET	-0.420203225	-0.159557972	-0.1112468529
## Prominence_cooc.H.PET	0.610896002	0.160704125	0.2360574187
## IC1_d.H.PET	-0.104211568	0.326140440	-0.0711211883
## IC2_d.H.PET	0.773963844	0.375661631	0.3836385761
## Coarseness_vdif.H.PET	0.415377270	0.978731599	0.1595010853
## Contrast_vdif.H.PET	0.267844738	0.287655713	-0.0038405579
## Busyness_vdif.H.PET	0.133715530	-0.402338990	0.2031246142

## Complexity_vdif.H.PET	0.645327148	0.647541816	0.3099621345
## Strength_vdif.H.PET	0.015828022	0.127774583	-0.0897586496
## SRE_align.H.PET	0.961963624	0.422612435	0.4909466966
## LRE_align.H.PET	0.616392535	0.351853598	0.3474967721
## RLNU_align.H.PET	0.246685595	-0.062239834	0.1773497826
## RP_align.H.PET	0.950314350	0.415884652	0.4800459558
## LGRE_align.H.PET	0.440319493	0.975813715	0.1656442363
## HGRE_align.H.PET	0.899356834	0.435067827	0.4561431454
## LGSRE_align.H.PET	0.437880521	0.975954977	0.1645431314
## HGSRE_align.H.PET	0.948152909	0.422058897	0.4948777715
## LGHRE_align.H.PET	0.453233167	0.975806814	0.1732237674
## HGLRE_align.H.PET	0.417401395	0.280125019	0.2120500894
## GLNU_norm_align.H.PET	0.486391727	0.475357600	0.2325465499
## RLNU_norm_align.H.PET	0.902498105	0.383112776	0.4565283565
## GLVAR_align.H.PET	0.820795580	0.278818656	0.3749396304
## RLVAR_align.H.PET	0.266712442	0.249334298	0.1870639471
## Entropy_align.H.PET	0.894838306	0.303738944	0.4527871248
## SZSE.H.PET	0.851275925	0.349551975	0.4539337434
## LZSE.H.PET	-0.066424160	-0.031262354	0.0354885819
## LGLZE.H.PET	0.441125289	0.973888143	0.1630250773
## HGLZE.H.PET	0.843790398	0.369626183	0.5769121127
## SZLGE.H.PET	0.434650087	0.974689897	0.1608407731
## SZHGE.H.PET	0.821181648	0.304001970	0.5143628058
## LZLGE.H.PET	-0.001431115	0.104583938	0.0523918176
## LZHGE.H.PET	-0.054807701	0.011894294	-0.0001427729
## GLNU_area.H.PET	0.290433423	-0.084267112	0.2609947464
## ZSNU.H.PET	0.210386668	-0.068843662	0.1127185974
## ZSP.H.PET	0.670689805	0.228923475	0.3460919417
## GLNU_norm.H.PET	0.502135259	0.480084039	0.1975566718
## ZSNU_norm.H.PET	0.719963091	0.276175402	0.3849843732
## GLVAR_area.H.PET	0.794343989	0.266190487	0.3812976324
## ZSVAR.H.PET	-0.059665954	-0.006636757	0.0211829740
## Entropy_area.H.PET	0.940050271	0.349445456	0.4999003104
## Max_cooc.W.PET	0.327886903	0.647743204	0.1061760063
## Average_cooc.W.PET	0.524435666	0.099033845	0.1787540391
## Variance_cooc.W.PET	0.253767657	0.029305322	0.0678447647
## Entropy_cooc.W.PET	0.854338532	0.266410150	0.4323258990
## DAVE_cooc.W.PET	0.545388376	0.125107032	0.2417525731
## DVAR_cooc.W.PET	0.280763232	0.020639423	0.1001416830
## DENT_cooc.W.PET	0.837918902	0.275866712	0.4328004687
## SAVE_cooc.W.PET	0.523713375	0.097038772	0.1784529798
## SVAR_cooc.W.PET	0.231381254	0.031389263	0.0558157829
## SENT_cooc.W.PET	0.889871985	0.393031898	0.4543679014
## ASM_cooc.W.PET	0.359742941	0.816877571	0.1109847561
## Contrast_cooc.W.PET	0.289204392	0.019992900	0.0930724753
## Dissimilarity_cooc.W.PET	0.545388376	0.125107032	0.2417525731
## Inv_diff_cooc.W.PET	0.731512628	0.502607617	0.3726403910
## Inv_diff_norm_cooc.W.PET	0.979823367	0.453494347	0.5182446497
## IDM_cooc.W.PET	0.596359419	0.476047089	0.2972344884
## IDM_norm_cooc.W.PET	0.983081691	0.450457451	0.5110780138
## Inv_var_cooc.W.PET	0.667543636	0.505386644	0.3450339025
## Correlation_cooc.W.PET	0.656230463	0.327249679	0.3198317775
## Autocorrelation_cooc.W.PET	0.253798481	-0.008353547	0.0114814481
## Tendency_cooc.W.PET	0.231381254	0.031389263	0.0558157829

## Shade_cooc.W.PET	0.038818486	0.036101349	0.0367192602
## Prominence_cooc.W.PET	0.004166617	0.009430612	-0.0087945548
## IC1_d.W.PET	-0.121049672	0.394920763	-0.0805041924
## IC2_d.W.PET	0.832317580	0.430805462	0.4234511688
## Coarseness_vdif.W.PET	0.423756137	0.842704492	0.0943725886
## Contrast_vdif.W.PET	0.468843741	0.250324325	0.1520258870
## Busyness_vdif.W.PET	0.218779220	-0.041986602	0.1728991352
## Complexity_vdif.W.PET	0.159624411	0.015454075	0.0518980276
## Strength_vdif.W.PET	0.244360131	0.170955387	0.1432564824
## SRE_align.W.PET	0.979829783	0.441152566	0.5009211229
## LRE_align.W.PET	0.846350784	0.430865263	0.4408562202
## GLNU_align.W.PET	0.280179773	-0.072831186	0.3272799279
## RLNU_align.W.PET	0.248274009	-0.062990606	0.1932793901
## RP_align.W.PET	0.975903647	0.436704427	0.4974710149
## LGRE_align.W.PET	0.472489286	0.452723501	0.2808575117
## HGRE_align.W.PET	0.254889730	-0.016530194	0.0213904954
## LGSRE_align.W.PET	0.509263264	0.479814853	0.3060716042
## HGSRE_align.W.PET	0.250314144	-0.018139015	0.0193278170
## LGHRE_align.W.PET	0.308774397	0.327931256	0.1796385796
## HGLRE_align.W.PET	0.273057131	-0.010113780	0.0309263709
## GLNU_norm_align.W.PET	0.487657600	0.572634202	0.2253431357
## RLNU_norm_align.W.PET	0.958904794	0.418938461	0.4909977802
## GLVAR_align.W.PET	0.254492263	0.018418531	0.0612662861
## RLVAR_align.W.PET	0.339463654	0.387783374	0.1891928001
## Entropy_align.W.PET	0.897175817	0.302625437	0.4531523329
## SZSE.W.PET	0.934202979	0.414819964	0.4775070454
## LZSE.W.PET	0.122621531	0.136662956	0.0480383368
## LGLZE.W.PET	0.499749105	0.473610652	0.2887220462
## HGLZE.W.PET	0.258445257	-0.015477170	0.0268853968
## SZLGE.W.PET	0.577755480	0.547518209	0.3459295795
## SZHGE.W.PET	0.245258002	-0.018971556	0.0196334287
## LZLGE.W.PET	-0.013826202	0.056295608	-0.0076444119
## LZHGE.W.PET	0.309287416	0.039591331	0.0652490274
## GLNU_area.W.PET	0.292341081	-0.077599172	0.3060960088
## ZSNU.W.PET	0.233618956	-0.063759970	0.1567900515
## ZSP.W.PET	0.864370541	0.349082249	0.4538084032
## GLNU_norm.W.PET	0.507848766	0.589475470	0.2179011542
## ZSNU_norm.W.PET	0.861960152	0.353064123	0.4587908136
## GLVAR_area.W.PET	0.258416022	0.022906472	0.0675359585
## ZSVAR.W.PET	0.039832694	0.098099553	0.0140105846
## Entropy_area.W.PET	0.932604579	0.335010474	0.4801684433
## Min_hist.ADC	0.359256039	0.217717288	-0.3687244268
## Max_hist.ADC	0.861771006	0.342379490	0.7043873602
## Mean_hist.ADC	0.864576403	0.342055268	0.5838104654
## Variance_hist.ADC	0.386604406	0.299656499	0.7179144985
## Standard_Deviation_hist.ADC	0.665038733	0.372001681	0.7587740852
## Skewness_hist.ADC	0.242801292	0.115069111	-0.3103051283
## Kurtosis_hist.ADC	0.347340555	0.063942880	0.1453093365
## Energy_hist.ADC	0.433823053	0.986696747	0.1385451925
## Entropy_hist.ADC	0.936898410	0.360596308	0.6113155380
## AUC_hist.ADC	0.965649965	0.448263135	0.4568885087
## Volume.ADC	0.330274097	-0.154775589	0.2016247250
## X3D_surface.ADC	0.443288925	0.083873488	0.5107749880
## ratio_3ds_vol.ADC	0.613861158	0.517446752	0.0950146016

## ratio_3ds_vol_norm.ADC	0.931067376	0.351100693	0.5573010262
## irregularity.ADC	0.935865039	0.473017463	0.3880132692
## Compactness_v1.ADC	0.669058949	0.928282709	0.2648091341
##	SZLGE.W.ADC	SZHGE.W.ADC	LZLGE.W.ADC
## Failure	0.069425154	-0.203914531	0.0060024952
## Entropy_cooc.W.ADC	-0.027247637	0.203232101	0.0636341640
## GLNU_align.H.PET	0.059772067	0.111587030	0.1296780462
## Min_hist.PET	0.091764726	0.221036553	0.0645402688
## Max_hist.PET	0.103903670	0.274007095	0.0854887991
## Mean_hist.PET	0.087164963	0.203266217	0.0608396170
## Variance_hist.PET	0.022019554	0.060490701	-0.0013868305
## Standard_Deviation_hist.PET	0.125790367	0.232289188	0.0977078963
## Skewness_hist.PET	0.289661476	0.510853090	0.2799150080
## Kurtosis_hist.PET	0.129776975	0.310449232	0.1221009961
## Energy_hist.PET	0.971539970	0.162748396	0.8790364733
## Entropy_hist.PET	0.283691460	0.586537608	0.2999863645
## AUC_hist.PET	0.491568153	0.512119430	0.4660648025
## H_suv.PET	0.217427441	0.257949963	0.1563872733
## Volume.PET	-0.152802192	0.187391094	-0.1018651612
## X3D_surface.PET	0.120581992	0.237765687	0.1608364888
## ratio_3ds_vol.PET	0.630593550	0.247667624	0.5395169707
## ratio_3ds_vol_norm.PET	0.631644251	0.311584805	0.5840848137
## irregularity.PET	0.459901678	0.480594434	0.4236869719
## tumor_length.PET	0.330415681	0.402897323	0.3609040728
## Compactness_v1.PET	0.903550720	0.229711938	0.8301832945
## Compactness_v2.PET	-0.261102506	0.097276438	-0.2183867862
## Spherical_disproportion.PET	0.631644251	0.311584805	0.5840848137
## Sphericity.PET	-0.405436196	0.131897907	-0.3550325632
## Asphericity.PET	0.629862084	0.300856190	0.5823034737
## Center_of_mass.PET	0.178693007	0.290552329	0.2081902143
## Max_3D_diam.PET	-0.154968150	0.296914006	-0.1077445771
## Major_axis_length.PET	-0.014583308	0.284493374	0.0251702696
## Minor_axis_length.PET	0.139783801	0.427707096	0.1635096418
## Least_axis_length.PET	0.019962432	0.350289765	0.0525702936
## Elongation.PET	0.478637879	0.453532521	0.4345206162
## Flatness.PET	0.374393475	0.383539118	0.3421554372
## Max_cooc.L.PET	0.981187532	0.194583769	0.8926423469
## Average_cooc.L.PET	0.363455742	0.217416203	0.3104806996
## Variance_cooc.L.PET	0.331402352	0.150256793	0.2719627829
## Entropy_cooc.L.PET	0.371786841	0.465963545	0.3475036609
## DAVE_cooc.L.PET	0.362896243	0.269491853	0.2980176295
## DVAR_cooc.L.PET	0.384087140	0.242072159	0.3016403672
## DENT_cooc.L.PET	0.411475765	0.445176164	0.3687404333
## SAVE_cooc.L.PET	0.362392070	0.217301212	0.3095032464
## SVAR_cooc.L.PET	0.319971602	0.128624778	0.2717062470
## SENT_cooc.L.PET	0.496041348	0.445480041	0.4498083238
## ASM_cooc.L.PET	0.985612581	0.180566974	0.8979336489
## Contrast_cooc.L.PET	0.304668116	0.164347319	0.2355053159
## Dissimilarity_cooc.L.PET	0.362896243	0.269491853	0.2980176295
## Inv_diff_cooc.L.PET	0.528715496	0.526896669	0.5193859714
## Inv_diff_norm_cooc.L.PET	0.449632825	0.517158673	0.4255645168
## IDM_cooc.L.PET	0.581387461	0.501712408	0.5707693414
## IDM_norm_cooc.L.PET	0.448218670	0.508966307	0.4213607233
## Inv_var_cooc.L.PET	0.578833375	0.509147541	0.5701415146

## Correlation_cooc.L.PET	0.323448471	0.316064242	0.3540045284
## Autocorrelation_cooc.L.PET	0.310079659	0.043499174	0.2510749255
## Tendency_cooc.L.PET	0.319971602	0.128624778	0.2717062470
## Shade_cooc.L.PET	0.123496389	0.196100502	0.1219305990
## Prominence_cooc.L.PET	0.258500983	0.054883650	0.2108330060
## IC1_.L.PET	0.020265438	-0.050033531	0.0322240332
## IC2_.L.PET	0.533278579	0.385348157	0.4925972576
## Coarseness_vdif_.L.PET	0.917191617	0.128967362	0.8181036675
## Contrast_vdif_.L.PET	0.219297037	0.064995245	0.1652424100
## Busyness_vdif_.L.PET	-0.044080680	0.329175112	-0.0079068466
## Complexity_vdif_.L.PET	0.417790312	0.321325431	0.3439010379
## Strength_vdif_.L.PET	0.306275390	0.062148768	0.2431113445
## SRE_align.L.PET	0.455861631	0.494849236	0.4232651221
## LRE_align.L.PET	0.436362517	0.519855447	0.4129598475
## GLNU_align.L.PET	-0.029856398	0.260507446	0.0143055189
## RLNU_align.L.PET	-0.078813592	0.208787457	-0.0305322966
## RP_align.L.PET	0.456084508	0.493628098	0.4228054082
## LGRE_align.L.PET	0.650018085	0.441287984	0.6104947989
## HGRE_align.L.PET	0.320138867	0.070582663	0.2570056181
## LGSRE_align.L.PET	0.660359109	0.439938797	0.6190568085
## HGSRE_align.L.PET	0.321532547	0.069515484	0.2579424278
## LGHRE_align.L.PET	0.607324504	0.443183512	0.5751085814
## HGLRE_align.L.PET	0.313256052	0.075527474	0.2524157356
## GLNU_norm_align.L.PET	0.885980025	0.382143301	0.8132257703
## RLNU_norm_align.L.PET	0.457747376	0.488107619	0.4223850482
## GLVAR_align.L.PET	0.336725579	0.149285467	0.2780297804
## RLVAR_align.L.PET	0.810755071	0.373398521	0.7725375013
## Entropy_align.L.PET	0.387885087	0.460132089	0.3627475939
## SZSE.L.PET	0.461781027	0.463203604	0.4288733803
## LZSE.L.PET	0.268722332	0.443463868	0.2588273392
## LGLZE.L.PET	0.662097709	0.444802313	0.6202286689
## HGLZE.L.PET	0.321616698	0.077890280	0.2583012458
## SZLGE.L.PET	0.693463613	0.429179096	0.6471747088
## SZHGE.L.PET	0.328393964	0.072119823	0.2661037492
## LZLGE.L.PET	0.470117378	0.439478563	0.4607487092
## LZHGE.L.PET	0.230366639	0.087640038	0.1783759510
## GLNU_area.L.PET	-0.035548800	0.256422219	0.0096693835
## ZSNU.L.PET	-0.088406825	0.201322427	-0.0402933638
## ZSP.L.PET	0.459660167	0.464690760	0.4244662654
## GLNU_norm.L.PET	0.889877424	0.381430696	0.8172989615
## ZSNU_norm.L.PET	0.461074575	0.464042739	0.4226178009
## GLVAR_area.L.PET	0.343950789	0.155485379	0.2847288305
## ZSVAR.L.PET	0.324662228	0.366585463	0.3273988090
## Entropy_area.L.PET	0.384580352	0.470854664	0.3618142447
## Max_cooc.H.PET	0.432444877	0.119696062	0.4252546825
## Average_cooc.H.PET	0.434020614	0.485579910	0.4095864221
## Variance_cooc.H.PET	0.303682251	0.382122502	0.2610990844
## Entropy_cooc.H.PET	0.257960144	0.341519273	0.2193038648
## DAVE_cooc.H.PET	0.333357303	0.433165979	0.2749763223
## DVAR_cooc.H.PET	0.345615604	0.387774394	0.2780178014
## DENT_cooc.H.PET	0.200000611	0.534205821	0.2326692501
## SAVE_cooc.H.PET	0.416507044	0.520011905	0.4052394616
## SVAR_cooc.H.PET	0.325250211	0.461985968	0.3288118619
## SENT_cooc.H.PET	0.572965040	0.326544925	0.5074339637

## ASM_cooc.H.PET	0.523395157	0.074748910	0.4979268327
## Contrast_cooc.H.PET	0.300714783	0.367230748	0.2308596858
## Dissimilarity_cooc.H.PET	0.333357303	0.433165979	0.2749763223
## Inv_diff_cooc.H.PET	0.486023164	0.323992267	0.4839729255
## Inv_diff_norm_cooc.H.PET	0.465877537	0.499108458	0.4404066859
## IDM_cooc.H.PET	0.461952601	0.270875512	0.4627552283
## IDM_norm_cooc.H.PET	0.456720444	0.501864852	0.4295399923
## Inv_var_cooc_.H.PET	0.869761484	0.293447297	0.7907072852
## Correlation_cooc.H.PET	0.320069739	0.296199991	0.3501526661
## Autocorrelation_cooc.H.PET	0.438923769	0.444547594	0.4198214887
## Tendency_cooc.H.PET	0.277998389	0.355996437	0.2539654584
## Shade_cooc.H.PET	-0.161401919	-0.109946008	-0.1374627857
## Prominence_cooc.H.PET	0.160512707	0.234151312	0.1437199758
## IC1_d.H.PET	0.335697740	-0.070809392	0.2355197239
## IC2_d.H.PET	0.370588813	0.381533322	0.3834983582
## Coarseness_vdif.H.PET	0.982841268	0.160106569	0.8909052727
## Contrast_vdif.H.PET	0.291000438	-0.001957315	0.2395704654
## Busyness_vdif.H.PET	-0.404210661	0.203813244	-0.3707936591
## Complexity_vdif.H.PET	0.653304252	0.309025410	0.5608191005
## Strength_vdif.H.PET	0.130177870	-0.089813844	0.0995733286
## SRE_align.H.PET	0.423049713	0.488665978	0.3818278092
## LRE_align.H.PET	0.345370740	0.347365447	0.3786800587
## RLNU_align.H.PET	-0.068112480	0.177317376	-0.0266557825
## RP_align.H.PET	0.416693873	0.477811122	0.3724459839
## LGRE_align.H.PET	0.979611814	0.166389246	0.8906836430
## HGRE_align.H.PET	0.433109983	0.454641246	0.4129750807
## LGSRE_align.H.PET	0.979776790	0.165294929	0.8906817768
## HGSRE_align.H.PET	0.421419948	0.492798271	0.3893031570
## LGHRE_align.H.PET	0.979365086	0.173939588	0.8923764399
## HGLRE_align.H.PET	0.274908793	0.212500829	0.3013151911
## GLNU_norm_align.H.PET	0.473588908	0.232756181	0.4551105839
## RLNU_norm_align.H.PET	0.384694819	0.454273783	0.3360952443
## GLVAR_align.H.PET	0.280125001	0.373220530	0.2431155303
## RLVAR_align.H.PET	0.242280387	0.187632433	0.2928568899
## Entropy_align.H.PET	0.302354304	0.450744735	0.2856890707
## SZSE.H.PET	0.350286174	0.451432804	0.3136601705
## LZSE.H.PET	-0.039841524	0.036260347	0.0593648055
## LGLZE.H.PET	0.977688727	0.163774312	0.8888319361
## HGLZE.H.PET	0.365181209	0.575577037	0.3722001453
## SZLGE.H.PET	0.978500194	0.161607686	0.8897266615
## SZHGE.H.PET	0.303623243	0.511552317	0.2818277046
## LZLGE.H.PET	0.096097630	0.053123630	0.2010609917
## LZHGE.H.PET	0.004927155	0.000776930	0.0777449988
## GLNU_area.H.PET	-0.089604547	0.260349490	-0.0497165540
## ZSNU.H.PET	-0.074163656	0.113119029	-0.0364206916
## ZSP.H.PET	0.231916350	0.343889876	0.1853509490
## GLNU_norm.H.PET	0.479189128	0.197659893	0.4512477983
## ZSNU_norm.H.PET	0.278063466	0.382586592	0.2372385650
## GLVAR_area.H.PET	0.267211268	0.380125233	0.2342422445
## ZSVAR_H.PET	-0.014892869	0.021964430	0.0823610374
## Entropy_area.H.PET	0.347434454	0.498064628	0.3327107239
## Max_cooc.W.PET	0.648136923	0.106692688	0.6060867306
## Average_cooc.W.PET	0.100245320	0.178088156	0.0746428885
## Variance_cooc.W.PET	0.030823035	0.068341015	0.0045513444

## Entropy_cooc.W.PET	0.266477263	0.430137878	0.2383343566
## DAVE_cooc.W.PET	0.127951402	0.240862825	0.0848072742
## DVAR_cooc.W.PET	0.023645615	0.100934021	-0.0147138294
## DENT_cooc.W.PET	0.276997311	0.430509948	0.2385447570
## SAVE_cooc.W.PET	0.098242954	0.177785393	0.0728152241
## SVAR_cooc.W.PET	0.032202505	0.056172322	0.0120013577
## SENT_cooc.W.PET	0.393598494	0.452004843	0.3537335433
## ASM_cooc.W.PET	0.818591056	0.112110896	0.7555172274
## Contrast_cooc.W.PET	0.023214964	0.093889259	-0.0164943583
## Dissimilarity_cooc.W.PET	0.127951402	0.240862825	0.0848072742
## Inv_diff_cooc.W.PET	0.499497672	0.371975014	0.4901920325
## Inv_diff_norm_cooc.W.PET	0.451848299	0.516147132	0.4274441898
## IDM_cooc.W.PET	0.472623733	0.297143358	0.4695881795
## IDM_norm_cooc.W.PET	0.449140678	0.508992764	0.4220466229
## Inv_var_cooc.W.PET	0.502290783	0.344519828	0.4946340905
## Correlation_cooc.W.PET	0.320713692	0.317584984	0.3511940830
## Autocorrelation_cooc.W.PET	-0.007236085	0.012182832	-0.0250811628
## Tendency_cooc.W.PET	0.032202505	0.056172322	0.0120013577
## Shade_cooc.W.PET	0.036848979	0.037690742	0.0206060717
## Prominence_cooc.W.PET	0.010244343	-0.007150287	-0.0039294670
## IC1_d.W.PET	0.403055183	-0.079710453	0.3132387873
## IC2_d.W.PET	0.427371559	0.421581054	0.4214929252
## Coarseness_vdif.W.PET	0.848043169	0.094838491	0.7500674311
## Contrast_vdif.W.PET	0.255802285	0.151861515	0.1848872943
## Busyness_vdif.W.PET	-0.049305015	0.174470546	0.0161338919
## Complexity_vdif.W.PET	0.016411418	0.053290579	-0.0043050219
## Strength_vdif.W.PET	0.174613065	0.140763964	0.1258735216
## SRE_align.W.PET	0.440862876	0.498719320	0.4051121683
## LRE_align.W.PET	0.427001677	0.439772568	0.4269185860
## GLNU_align.W.PET	-0.079669317	0.326948661	-0.0211579830
## RLNU_align.W.PET	-0.069112761	0.193166238	-0.0247127774
## RP_align.W.PET	0.436659891	0.495252040	0.3988779487
## LGRE_align.W.PET	0.449910712	0.280716480	0.4414455378
## HGRE_align.W.PET	-0.015320258	0.022218139	-0.0337847144
## LGSRE_align.W.PET	0.477438932	0.305763805	0.4628730968
## HGSRE_align.W.PET	-0.016853336	0.020173043	-0.0358842768
## LGHRE_align.W.PET	0.323189091	0.180077395	0.3426481457
## HGLRE_align.W.PET	-0.009243032	0.031677383	-0.0250970315
## GLNU_norm_align.W.PET	0.571746327	0.225583194	0.5407696370
## RLNU_norm_align.W.PET	0.419419873	0.488653634	0.3781615951
## GLVAR_align.W.PET	0.019695209	0.061904633	-0.0034977135
## RLVAR_align.W.PET	0.382159731	0.189910292	0.4103544129
## Entropy_align.W.PET	0.301646682	0.451118382	0.2807069403
## SZSE.W.PET	0.415080398	0.475143857	0.3771075846
## LZSE.W.PET	0.131477714	0.048116018	0.1740194898
## LGLZE.W.PET	0.471056707	0.288622566	0.4572517800
## HGLZE.W.PET	-0.014192880	0.027625064	-0.0333196072
## SZLGE.W.PET	0.545962548	0.345311872	0.5176741823
## SZHGE.W.PET	-0.017478740	0.020414735	-0.0379855345
## LZLGE.W.PET	0.050164753	-0.006813006	0.1081171459
## LZHGE.W.PET	0.039414249	0.064683494	0.0282908881
## GLNU_area.W.PET	-0.083734705	0.305680341	-0.0345963938
## ZSNU.W.PET	-0.069490103	0.156897694	-0.0289693778
## ZSP.W.PET	0.350447542	0.451693436	0.3071897927

## GLNU_norm.W.PET	0.588929335	0.218260912	0.5535644429
## ZSNU_norm.W.PET	0.354550255	0.456161346	0.3098071860
## GLVAR_area.W.PET	0.024240930	0.068101934	0.0003616762
## ZSVAR.W.PET	0.092718652	0.014021557	0.1416383309
## Entropy_area.W.PET	0.333136396	0.478208834	0.3179882043
## Min_hist.ADC	0.226780551	-0.374557359	0.1244197465
## Max_hist.ADC	0.337339678	0.703513520	0.3588199423
## Mean_hist.ADC	0.344153277	0.578267012	0.2968042212
## Variance_hist.ADC	0.285013348	0.724843017	0.4010856424
## Standard_Deviation_hist.ADC	0.360887859	0.763558628	0.4353188533
## Skewness_hist.ADC	0.121751238	-0.305114592	0.0461332603
## Kurtosis_hist.ADC	0.068718379	0.136466183	0.0190250509
## Energy_hist.ADC	0.991107231	0.139440431	0.8956659059
## Entropy_hist.ADC	0.355849574	0.609443485	0.3664938727
## AUC_hist.ADC	0.449137481	0.455951729	0.4016920040
## Volume.ADC	-0.160843771	0.200803463	-0.1111248516
## X3D_surface.ADC	0.072519581	0.510152550	0.1651723043
## ratio_3ds_vol.ADC	0.524312165	0.096367202	0.4236242773
## ratio_3ds_vol_norm.ADC	0.348401828	0.555256660	0.3396779508
## irregularity.ADC	0.474693195	0.387716657	0.4198794640
## Compactness_v1.ADC	0.931715156	0.264720750	0.8440618156
##	LZHGE.W.ADC	GLNU_area.W.ADC	ZSNU.W.ADC
## Failure	-0.207366661	-0.148667838	-0.168791768
## Entropy_cooc.W.ADC	0.201179808	0.209766223	0.267553246
## GLNU_align.H.PET	0.106983022	0.127220776	0.167993045
## Min_hist.PET	0.225936163	0.290451748	0.275987900
## Max_hist.PET	0.279436358	0.343426717	0.313639240
## Mean_hist.PET	0.206933891	0.320174446	0.287676067
## Variance_hist.PET	0.057358379	0.224141580	0.182864251
## Standard_Deviation_hist.PET	0.237197835	0.344473770	0.292164349
## Skewness_hist.PET	0.525283642	0.156552078	0.221814376
## Kurtosis_hist.PET	0.317529819	0.031286545	0.105395655
## Energy_hist.PET	0.159037533	0.032786819	0.079709397
## Entropy_hist.PET	0.587646949	0.384657062	0.413052027
## AUC_hist.PET	0.519561856	0.374707114	0.358874342
## H_suv.PET	0.260074195	0.364327640	0.319566422
## Volume.PET	0.190380744	0.359507823	0.345114095
## X3D_surface.PET	0.233660791	0.231823952	0.243610867
## ratio_3ds_vol.PET	0.265195387	0.033660676	0.046928882
## ratio_3ds_vol_norm.PET	0.323579934	0.259585408	0.259973004
## irregularity.PET	0.491282905	0.276969970	0.262429931
## tumor_length.PET	0.406820535	0.395783533	0.386370973
## Compactness_v1.PET	0.223729823	0.165003293	0.192451344
## Compactness_v2.PET	0.099121413	0.210453466	0.147479095
## Spherical_disproportion.PET	0.323579934	0.259585408	0.259973004
## Sphericity.PET	0.130467649	0.200673161	0.146494113
## Asphericity.PET	0.312776077	0.252237449	0.253588029
## Center_of_mass.PET	0.294866070	0.302869436	0.297954997
## Max_3D_diam.PET	0.296401734	0.350354725	0.322881691
## Major_axis_length.PET	0.282884536	0.349775175	0.344321846
## Minor_axis_length.PET	0.432445797	0.496541442	0.460264129
## Least_axis_length.PET	0.351516355	0.480232784	0.426971307
## Elongation.PET	0.465366318	0.364816015	0.319036680
## Flatness.PET	0.389062444	0.394051511	0.326118626

## Max_cooc.L.PET	0.190943330	0.066822086	0.116513372
## Average_cooc.L.PET	0.219975144	0.243979601	0.175705522
## Variance_cooc.L.PET	0.158010369	0.088107442	0.038651069
## Entropy_cooc.L.PET	0.473322552	0.400483252	0.357283786
## DAVE_cooc.L.PET	0.274882915	0.151945230	0.110091119
## DVAR_cooc.L.PET	0.256038963	0.096446727	0.043346855
## DENT_cooc.L.PET	0.453508802	0.322639501	0.286035016
## SAVE_cooc.L.PET	0.219867470	0.243992680	0.175631469
## SVAR_cooc.L.PET	0.138457262	0.115482204	0.060975269
## SENT_cooc.L.PET	0.453958177	0.331738545	0.301973435
## ASM_cooc.L.PET	0.176023727	0.072854325	0.121755070
## Contrast_cooc.L.PET	0.167757785	0.032756964	-0.002040133
## Dissimilarity_cooc.L.PET	0.274882915	0.151945230	0.110091119
## Inv_diff_cooc.L.PET	0.533440241	0.370017040	0.379429012
## Inv_diff_norm_cooc.L.PET	0.525679526	0.382913095	0.361175790
## IDM_cooc.L.PET	0.506786436	0.332330716	0.355298024
## IDM_norm_cooc.L.PET	0.517459970	0.376977301	0.352881481
## Inv_var_cooc.L.PET	0.515969385	0.349928862	0.373103524
## Correlation_cooc.L.PET	0.326011617	0.340228297	0.318807239
## Autocorrelation_cooc.L.PET	0.043402022	0.138465333	0.066303129
## Tendency_cooc.L.PET	0.138457262	0.115482204	0.060975269
## Shade_cooc.L.PET	0.216768914	0.067340366	0.084791241
## Prominence_cooc.L.PET	0.070281292	0.017603633	-0.015327705
## IC1_.L.PET	-0.057468034	0.124664440	0.154307606
## IC2_.L.PET	0.391876630	0.197586661	0.176413993
## Coarseness_vdif_.L.PET	0.127570512	-0.023199880	0.015297483
## Contrast_vdif_.L.PET	0.064035469	-0.096878928	-0.103639186
## Busyness_vdif_.L.PET	0.326864929	0.341676634	0.334607849
## Complexity_vdif_.L.PET	0.328332684	0.131248903	0.112901802
## Strength_vdif_.L.PET	0.077425201	-0.179945606	-0.162291641
## SRE_align.L.PET	0.503246701	0.361342841	0.335080999
## LRE_align.L.PET	0.528279788	0.376592627	0.352054840
## GLNU_align.L.PET	0.263082111	0.293813628	0.277541132
## RLNU_align.L.PET	0.207219963	0.316018698	0.295062872
## RP_align.L.PET	0.502019153	0.359413088	0.333118077
## LGRE_align.L.PET	0.449826207	0.125908458	0.174761520
## HGRE_align.L.PET	0.069235270	0.154316118	0.085116300
## LGSRE_align.L.PET	0.448289869	0.127711714	0.176536845
## HGSRE_align.L.PET	0.068331553	0.150634587	0.082033480
## LCHRE_align.L.PET	0.452398154	0.118440369	0.166902215
## HGLRE_align.L.PET	0.073540365	0.169153561	0.097634381
## GLNU_norm_align.L.PET	0.384984476	0.149899642	0.200736076
## RLNU_norm_align.L.PET	0.496479315	0.352819330	0.326104150
## GLVAR_align.L.PET	0.154822908	0.131433338	0.072393778
## RLVAR_align.L.PET	0.373108235	0.251187199	0.279336206
## Entropy_align.L.PET	0.467279186	0.394684388	0.350898352
## SZSE.L.PET	0.471396817	0.356092049	0.330984435
## LZSE.L.PET	0.449445826	0.264164489	0.245160935
## LGLZE.L.PET	0.454172471	0.130565498	0.178430207
## HGLZE.L.PET	0.077700490	0.155939925	0.086243817
## SZLGE.L.PET	0.438634353	0.136331309	0.184001222
## SZHGE.L.PET	0.073209007	0.152638090	0.085895606
## LZLGE.L.PET	0.446793052	0.096185347	0.144950844
## LZHGE.L.PET	0.083159597	0.143377036	0.076879176

## GLNU_area.L.PET	0.258214105	0.300312326	0.285248613
## ZSNU.L.PET	0.199104297	0.320253501	0.300510402
## ZSP.L.PET	0.472917218	0.348282888	0.323988898
## GLNU_norm.L.PET	0.383914230	0.152437316	0.202993316
## ZSNU_norm.L.PET	0.472304593	0.334737283	0.310787113
## GLVAR_area.L.PET	0.161772247	0.131867097	0.072926324
## ZSVAR.L.PET	0.368957151	0.227563776	0.221759983
## Entropy_area.L.PET	0.478409583	0.403902824	0.359816794
## Max_cooc.H.PET	0.118856456	-0.077392368	-0.029171087
## Average_cooc.H.PET	0.493672538	0.299242076	0.281880993
## Variance_cooc.H.PET	0.389375937	0.410049794	0.348026254
## Entropy_cooc.H.PET	0.359246198	0.373178932	0.298126039
## DAVE_cooc.H.PET	0.439269054	0.343152906	0.301638817
## DVAR_cooc.H.PET	0.389443399	0.321886907	0.278812349
## DENT_cooc.H.PET	0.543627962	0.348006943	0.376322641
## SAVE_cooc.H.PET	0.528524096	0.334124019	0.321130394
## SVAR_cooc.H.PET	0.466647684	0.423010742	0.428996334
## SENT_cooc.H.PET	0.338283558	0.293308498	0.271791614
## ASM_cooc.H.PET	0.068016392	-0.069813966	-0.021498685
## Contrast_cooc.H.PET	0.368833223	0.300289649	0.257848794
## Dissimilarity_cooc.H.PET	0.439269054	0.343152906	0.301638817
## Inv_diff_cooc.H.PET	0.324280350	0.131906232	0.153781936
## Inv_diff_norm_cooc.H.PET	0.507514864	0.358403257	0.336302670
## IDM_cooc.H.PET	0.269467759	0.074919310	0.104760344
## IDM_norm_cooc.H.PET	0.510620127	0.364086042	0.339906056
## Inv_var_cooc.H.PET	0.296473800	0.206356161	0.237825196
## Correlation_cooc.H.PET	0.308017938	0.348513238	0.316060335
## Autocorrelation_cooc.H.PET	0.451913945	0.239957942	0.230371657
## Tendency_cooc.H.PET	0.365655049	0.432688784	0.365621902
## Shade_cooc.H.PET	-0.114404831	-0.126048492	-0.060775642
## Prominence_cooc.H.PET	0.242026620	0.405657178	0.331907199
## IC1_d.H.PET	-0.071389881	-0.096897267	-0.068692566
## IC2_d.H.PET	0.390775937	0.365395650	0.334103525
## Coarseness_vdif.H.PET	0.156136927	0.054561504	0.100378985
## Contrast_vdif.H.PET	-0.012341355	-0.097456553	-0.101358250
## Busyness_vdif.H.PET	0.199379979	0.252648228	0.218936861
## Complexity_vdif.H.PET	0.312283132	0.143157588	0.146195419
## Strength_vdif.H.PET	-0.088283936	-0.101526749	-0.097070020
## SRE_align.H.PET	0.498697982	0.380010222	0.346823397
## LRE_align.H.PET	0.345198508	0.141526018	0.158925978
## RLNU_align.H.PET	0.175994454	0.314396508	0.293742798
## RP_align.H.PET	0.487702611	0.375694629	0.341691056
## LGRE_align.H.PET	0.161334972	0.095247665	0.137292041
## HGRE_align.H.PET	0.460503735	0.255476251	0.253567963
## LGSRE_align.H.PET	0.160218268	0.093680487	0.135987428
## HGSRE_align.H.PET	0.501977284	0.295756686	0.287341718
## LGHRE_align.H.PET	0.168921050	0.103289213	0.144334212
## HGLRE_align.H.PET	0.207972511	0.074677653	0.086345492
## GLNU_norm_align.H.PET	0.230682125	-0.011212079	0.031019980
## RLNU_norm_align.H.PET	0.464503358	0.371437309	0.333706800
## GLVAR_align.H.PET	0.379658544	0.418308529	0.355249328
## RLVAR_align.H.PET	0.182212970	0.048672152	0.072454680
## Entropy_align.H.PET	0.459062673	0.451490313	0.402186106
## SZSE.H.PET	0.463212961	0.394066434	0.358297158

## LZSE.H.PET	0.030878127	-0.034237032	-0.006076066
## LGLZE.H.PET	0.158690174	0.096300068	0.137495743
## HGLZE.H.PET	0.578807347	0.258594092	0.295290530
## SZLGE.H.PET	0.156474248	0.091723754	0.134178376
## SZHGE.H.PET	0.524938581	0.304063608	0.301879522
## LZLGE.H.PET	0.047438304	-0.008434804	0.019596191
## LZHGE.H.PET	-0.005141999	-0.045512939	-0.032461833
## GLNU_area.H.PET	0.261731401	0.327576253	0.304671650
## ZSNU.H.PET	0.110203316	0.287490159	0.274531631
## ZSP.H.PET	0.354839605	0.330686930	0.293442049
## GLNU_norm.H.PET	0.196492972	-0.003542159	0.016909357
## ZSNU_norm.H.PET	0.393967660	0.355510051	0.322298181
## GLVAR_area.H.PET	0.383224343	0.415048778	0.361527196
## ZSVAR.H.PET	0.016515468	-0.037021175	-0.016477188
## Entropy_area.H.PET	0.504839827	0.443382996	0.404947948
## Max_cooc.W.PET	0.103793012	-0.044602988	0.004196051
## Average_cooc.W.PET	0.180718534	0.340886835	0.280009736
## Variance_cooc.W.PET	0.066280175	0.207515121	0.169251181
## Entropy_cooc.W.PET	0.439750659	0.430995788	0.379002634
## DAVE_cooc.W.PET	0.245198491	0.295279123	0.245852293
## DVAR_cooc.W.PET	0.097160445	0.189490230	0.155209779
## DENT_cooc.W.PET	0.441124013	0.396208118	0.349706620
## SAVE_cooc.W.PET	0.180426781	0.340814946	0.279826333
## SVAR_cooc.W.PET	0.054920901	0.210716808	0.173467164
## SENT_cooc.W.PET	0.462639301	0.406378349	0.366287373
## ASM_cooc.W.PET	0.105438894	-0.015337585	0.036953302
## Contrast_cooc.W.PET	0.089899552	0.180508610	0.142945993
## Dissimilarity_cooc.W.PET	0.245198491	0.295279123	0.245852293
## Inv_diff_cooc.W.PET	0.373068359	0.169627976	0.185710925
## Inv_diff_norm_cooc.W.PET	0.524613713	0.380158885	0.358376170
## IDM_cooc.W.PET	0.295461100	0.097133607	0.123567641
## IDM_norm_cooc.W.PET	0.517501653	0.375925185	0.351709775
## Inv_var_cooc.W.PET	0.345082188	0.138249048	0.159861810
## Correlation_cooc.W.PET	0.327660042	0.344169853	0.323099576
## Autocorrelation_cooc.W.PET	0.008457858	0.238232677	0.190150221
## Tendency_cooc.W.PET	0.054920901	0.210716808	0.173467164
## Shade_cooc.W.PET	0.033443730	0.071026282	0.063332978
## Prominence_cooc.W.PET	-0.015346876	0.047459623	0.038021321
## IC1_d.W.PET	-0.083641596	-0.071976975	-0.033723431
## IC2_d.W.PET	0.429809828	0.334695336	0.305947126
## Coarseness_vdif.W.PET	0.092874183	-0.059801594	-0.024598356
## Contrast_vdif.W.PET	0.153008357	0.143076248	0.100171191
## Busyness_vdif.W.PET	0.163602591	0.100199233	0.107796245
## Complexity_vdif.W.PET	0.046055854	0.160109246	0.135150646
## Strength_vdif.W.PET	0.155945473	-0.046746684	-0.044739252
## SRE_align.W.PET	0.508187839	0.375654482	0.345696791
## LRE_align.W.PET	0.442522459	0.270740334	0.263552847
## GLNU_align.W.PET	0.325506733	0.295245621	0.284877033
## RLNU_align.W.PET	0.192079138	0.314067257	0.292846955
## RP_align.W.PET	0.504858248	0.375862163	0.345156402
## LGRE_align.W.PET	0.280559057	-0.013067337	0.038783669
## HGRE_align.W.PET	0.017697342	0.244549460	0.197330603
## LGSRE_align.W.PET	0.306472208	0.000868077	0.050853925
## HGSRE_align.W.PET	0.015625175	0.239521221	0.193077539

## LGHRE_align.W.PET	0.176846558	-0.055687678	-0.001080969
## HGLRE_align.W.PET	0.027262422	0.264241547	0.213635600
## GLNU_norm_align.W.PET	0.223440037	-0.012475675	0.034750170
## RLNU_norm_align.W.PET	0.499077089	0.379560414	0.345302475
## GLVAR_align.W.PET	0.058827242	0.224839128	0.183476908
## RLVAR_align.W.PET	0.183742909	0.046400994	0.073160475
## Entropy_align.W.PET	0.459453063	0.446851594	0.397010282
## SZSE.W.PET	0.486190477	0.389149913	0.356577565
## LZSE.W.PET	0.046443256	-0.035597686	-0.036780351
## LGLZE.W.PET	0.288332941	0.009176151	0.051778550
## HGLZE.W.PET	0.023643773	0.238551205	0.192020873
## SZLGE.W.PET	0.347998547	0.061454983	0.098408089
## SZHGE.W.PET	0.016480894	0.220196079	0.176923101
## LZLGE.W.PET	-0.012103890	-0.087852503	-0.057568563
## LZHGE.W.PET	0.065978147	0.288965217	0.207330259
## GLNU_area.W.PET	0.305242344	0.317776298	0.302258065
## ZSNU.W.PET	0.155161698	0.303692532	0.286510635
## ZSP.W.PET	0.461361539	0.381295859	0.350125391
## GLNU_norm.W.PET	0.215521845	-0.005580451	0.035040038
## ZSNU_norm.W.PET	0.468504662	0.377961921	0.343421127
## GLVAR_area.W.PET	0.065392166	0.221954936	0.180833501
## ZSVAR.W.PET	0.013175538	-0.051513475	-0.055475347
## Entropy_area.W.PET	0.485844625	0.444264909	0.399531248
## Min_hist.ADC	-0.337559095	-0.199279304	-0.299350705
## Max_hist.ADC	0.704486017	0.504222288	0.542908431
## Mean_hist.ADC	0.607520459	0.248522241	0.225452569
## Variance_hist.ADC	0.679554849	0.263105798	0.482551244
## Standard_Deviation_hist.ADC	0.730513566	0.338210797	0.497199276
## Skewness_hist.ADC	-0.331236159	0.194849243	0.133246500
## Kurtosis_hist.ADC	0.190987756	0.373861269	0.173018747
## Energy_hist.ADC	0.133958094	0.043652887	0.084723835
## Entropy_hist.ADC	0.615543706	0.490883192	0.493130953
## AUC_hist.ADC	0.458467067	0.430296794	0.395164013
## Volume.ADC	0.203989675	0.363424159	0.350863534
## X3D_surface.ADC	0.509902035	0.786909107	0.837476512
## ratio_3ds_vol.ADC	0.089431919	-0.175057295	-0.189573402
## ratio_3ds_vol_norm.ADC	0.564000207	0.426440699	0.406873696
## irregularity.ADC	0.387613816	0.196729957	0.168024641
## Compactness_v1.ADC	0.263399642	0.152606145	0.174994289
##	ZSP.W.ADC	GLNU_norm.W.ADC	ZSNU_norm.W.ADC
## Failure	-0.0005760562	0.114648851	0.006783869
## Entropy_cooc.W.ADC	0.0349303670	-0.081018718	0.024059901
## GLNU_align.H.PET	-0.0429300133	0.014908759	-0.046569523
## Min_hist.PET	0.5293776264	0.188375964	0.529797549
## Max_hist.PET	0.5459486825	0.198794237	0.541948603
## Mean_hist.PET	0.5302525899	0.186653565	0.528598878
## Variance_hist.PET	0.2625693620	0.073599518	0.265556831
## Standard_Deviation_hist.PET	0.5366417892	0.218913436	0.534694968
## Skewness_hist.PET	0.5393989101	0.336724390	0.538432880
## Kurtosis_hist.PET	0.1578437390	0.167168390	0.152952813
## Energy_hist.PET	0.4515912247	0.952789849	0.459724788
## Entropy_hist.PET	0.8794326210	0.368328763	0.871949119
## AUC_hist.PET	0.9947050955	0.609924649	0.991579026
## H_suv.PET	0.5608200673	0.318972397	0.562333247

## Volume.PET	0.3279012423	-0.098139732	0.313685935
## X3D_surface.PET	0.2262779646	0.106986301	0.218196950
## ratio_3ds_vol.PET	0.5730044339	0.678093508	0.576789799
## ratio_3ds_vol_norm.PET	0.5847353933	0.670399568	0.579764971
## irregularity.PET	0.9677205014	0.574700212	0.967096116
## tumor_length.PET	0.6061516459	0.376686983	0.591841688
## Compactness_v1.PET	0.5582938588	0.911076015	0.563388252
## Compactness_v2.PET	0.2277876653	-0.190916007	0.223228710
## Spherical_disproportion.PET	0.5847353933	0.670399568	0.579764971
## Sphericity.PET	0.2286814283	-0.327318629	0.224144388
## Asphericity.PET	0.5628837720	0.665068928	0.557939453
## Center_of_mass.PET	0.3729699489	0.169094773	0.365665248
## Max_3D_diam.PET	0.4661817268	-0.079121290	0.452203080
## Major_axis_length.PET	0.5113962673	0.051216293	0.499490152
## Minor_axis_length.PET	0.6606325514	0.228079947	0.646201181
## Least_axis_length.PET	0.5602032191	0.103566997	0.546447816
## Elongation.PET	0.8550302130	0.588936587	0.854460515
## Flatness.PET	0.7935025762	0.491311631	0.791220794
## Max_cooc.L.PET	0.4769680581	0.968910224	0.483175089
## Average_cooc.L.PET	0.8086641392	0.485648288	0.810641076
## Variance_cooc.L.PET	0.6412869756	0.423424100	0.650561897
## Entropy_cooc.L.PET	0.9778868947	0.506301426	0.973897836
## DAVE_cooc.L.PET	0.7521656331	0.475813048	0.759961805
## DVAR_cooc.L.PET	0.6591157391	0.511884687	0.667881686
## DENT_cooc.L.PET	0.9670259944	0.544243407	0.967206585
## SAVE_cooc.L.PET	0.8084658684	0.484662589	0.810435568
## SVAR_cooc.L.PET	0.6507305371	0.408229221	0.657683109
## SENT_cooc.L.PET	0.9745809014	0.616080343	0.972994860
## ASM_cooc.L.PET	0.4479479063	0.966276309	0.454276931
## Contrast_cooc.L.PET	0.5398864896	0.390295851	0.551599973
## Dissimilarity_cooc.L.PET	0.7521656331	0.475813048	0.759961805
## Inv_diff_cooc.L.PET	0.8568919436	0.610482709	0.849368912
## Inv_diff_norm_cooc.L.PET	0.9938519920	0.572195743	0.989197917
## IDM_cooc.L.PET	0.7687652929	0.641948535	0.761853030
## IDM_norm_cooc.L.PET	0.9971748071	0.572920856	0.993110328
## Inv_var_cooc.L.PET	0.7731177928	0.638632506	0.765399985
## Correlation_cooc.L.PET	0.6615696638	0.367520686	0.650081918
## Autocorrelation_cooc.L.PET	0.6023835377	0.410132645	0.606461971
## Tendency_cooc.L.PET	0.6507305371	0.408229221	0.657683109
## Shade_cooc.L.PET	0.3246248089	0.131194899	0.326477469
## Prominence_cooc.L.PET	0.4587123580	0.317869149	0.467045704
## IC1_.L.PET	-0.3538540528	-0.019768499	-0.364865040
## IC2_.L.PET	0.8986879651	0.620520055	0.905008959
## Coarseness_vdif_.L.PET	0.4852452686	0.907550588	0.495296146
## Contrast_vdif_.L.PET	0.2328731266	0.242176308	0.242498684
## Busyness_vdif_.L.PET	0.3161283795	-0.010956143	0.303263623
## Complexity_vdif_.L.PET	0.7124359426	0.517175241	0.720835733
## Strength_vdif_.L.PET	0.2978872233	0.323257452	0.306341865
## SRE_align.L.PET	0.9980249335	0.582364421	0.995319339
## LRE_align.L.PET	0.9909120637	0.560909628	0.986386144
## GLNU_align.L.PET	0.2602911211	-0.005623815	0.246320958
## RLNU_align.L.PET	0.2357942549	-0.065418099	0.222982673
## RP_align.L.PET	0.9977911976	0.582740592	0.995189470
## LGRE_align.L.PET	0.6314997238	0.699979269	0.632796037

## HGRE_align.L.PET	0.6241322118	0.423338704	0.628234570
## LGSRE_align.L.PET	0.6363309901	0.710405486	0.637816113
## HGSRE_align.L.PET	0.6225255585	0.424237962	0.626787992
## LGHRE_align.L.PET	0.6089611238	0.656663974	0.609442134
## HGLRE_align.L.PET	0.6287783738	0.418114694	0.632178771
## GLNU_norm_align.L.PET	0.6851423510	0.916030699	0.687923133
## RLNU_norm_align.L.PET	0.9961923239	0.584740502	0.993968246
## GLVAR_align.L.PET	0.6688115947	0.438367615	0.676432134
## RLVAR_align.L.PET	0.6488377781	0.832518940	0.646312073
## Entropy_align.L.PET	0.9826910155	0.520040181	0.978926967
## SZSE.L.PET	0.9759123584	0.583259166	0.973920994
## LZSE.L.PET	0.6925105626	0.360724806	0.685949824
## LGLZE.L.PET	0.6430866164	0.714432572	0.644019908
## HGLZE.L.PET	0.6334771336	0.426038363	0.637208303
## SZLGE.L.PET	0.6523689635	0.744443349	0.653671199
## SZHGE.L.PET	0.6283678729	0.429575706	0.632108731
## LZLGE.L.PET	0.5109768973	0.513422251	0.509776968
## LZHGE.L.PET	0.5194252592	0.322779122	0.521459171
## GLNU_area.L.PET	0.2620747603	-0.013155751	0.248395694
## ZSNU.L.PET	0.2371063166	-0.074505597	0.224617655
## ZSP.L.PET	0.9821717173	0.582870067	0.980497311
## GLNU_norm.L.PET	0.6855902805	0.918784271	0.688372712
## ZSNU_norm.L.PET	0.9839097601	0.585353569	0.982171905
## GLVAR_area.L.PET	0.6795732117	0.447378443	0.686944273
## ZSVAR.L.PET	0.4530109033	0.366677325	0.444648396
## Entropy_area.L.PET	0.9833274895	0.517295905	0.978914813
## Max_cooc.H.PET	0.3160498673	0.430017944	0.320461359
## Average_cooc.H.PET	0.9731887551	0.554472621	0.971888655
## Variance_cooc.H.PET	0.8540666436	0.432930952	0.848546900
## Entropy_cooc.H.PET	0.8306323549	0.413300847	0.825808977
## DAVE_cooc.H.PET	0.8756568865	0.473255547	0.875112925
## DVAR_cooc.H.PET	0.8523240283	0.484056843	0.853387211
## DENT_cooc.H.PET	0.7815193877	0.276901018	0.769642644
## SAVE_cooc.H.PET	0.9793369719	0.530561422	0.978280610
## SVAR_cooc.H.PET	0.8478920208	0.410303156	0.839487880
## SENT_cooc.H.PET	0.6919590985	0.649978458	0.688883343
## ASM_cooc.H.PET	0.3018170016	0.511020856	0.308108999
## Contrast_cooc.H.PET	0.7806630426	0.436142364	0.783024898
## Dissimilarity_cooc.H.PET	0.8756568865	0.473255547	0.875112925
## Inv_diff_cooc.H.PET	0.6796314032	0.531483570	0.680412478
## Inv_diff_norm_cooc.H.PET	0.9952967862	0.586284835	0.991983555
## IDM_cooc.H.PET	0.5760656734	0.490755105	0.577816519
## IDM_norm_cooc.H.PET	0.9977325530	0.580062744	0.994302139
## Inv_var_cooc.H.PET	0.5989631013	0.884233875	0.600513091
## Correlation_cooc.H.PET	0.6676712682	0.370103458	0.655150781
## Autocorrelation_cooc.H.PET	0.9165117527	0.544880473	0.916362215
## Tendency_cooc.H.PET	0.8173358168	0.392363709	0.808050813
## Shade_cooc.H.PET	-0.4105613256	-0.230089758	-0.407434014
## Prominence_cooc.H.PET	0.6023758408	0.251386731	0.591605188
## IC1_d.H.PET	-0.1142281925	0.335702844	-0.109096085
## IC2_d.H.PET	0.7839023340	0.436197224	0.775546786
## Coarseness_vdif.H.PET	0.4407928451	0.962968585	0.448090353
## Contrast_vdif.H.PET	0.2907370153	0.309994807	0.301804623
## Busyness_vdif.H.PET	0.1195901608	-0.353888858	0.111550154

## Complexity_vdif.H.PET	0.6612687171	0.726216022	0.666403207
## Strength_vdif.H.PET	0.0244944527	0.128484348	0.027588158
## SRE_align.H.PET	0.9710256000	0.555425647	0.967632003
## LRE_align.H.PET	0.6427026143	0.390383663	0.643330319
## RLNU_align.H.PET	0.2351031600	-0.052846492	0.222716814
## RP_align.H.PET	0.9589934463	0.549141637	0.955891335
## LGRE_align.H.PET	0.4654586288	0.965673211	0.471005000
## HGRE_align.H.PET	0.9224635110	0.539736237	0.921855237
## LGSRE_align.H.PET	0.4630304180	0.965501231	0.468634384
## HGSRE_align.H.PET	0.9658099627	0.543729338	0.964304873
## LGHRE_align.H.PET	0.4785150564	0.966563793	0.483763219
## HGLRE_align.H.PET	0.4427179302	0.300295807	0.444921824
## GLNU_norm_align.H.PET	0.5184088538	0.500172207	0.524334252
## RLNU_norm_align.H.PET	0.9079937934	0.516284614	0.905133324
## GLVAR_align.H.PET	0.8216193206	0.404577735	0.814836321
## RLVAR_align.H.PET	0.2894415262	0.233860579	0.291061686
## Entropy_align.H.PET	0.9002855011	0.430096770	0.893479253
## SZSE.H.PET	0.8549245641	0.473230344	0.850899648
## LZSE.H.PET	-0.0556202248	-0.083859355	-0.053848480
## LGLZE.H.PET	0.4662029497	0.964362137	0.471582833
## HGLZE.H.PET	0.8755743015	0.444552309	0.871774993
## SZLGE.H.PET	0.4598115737	0.964033491	0.465408179
## SZHGE.H.PET	0.8317158211	0.416195693	0.829787678
## LZLGE.H.PET	0.0083352387	0.050002101	0.009815086
## LZHGE.H.PET	-0.0484037903	-0.029620213	-0.046386014
## GLNU_area.H.PET	0.2703119097	-0.059950324	0.255917839
## ZSNU.H.PET	0.2061543355	-0.063141351	0.196648818
## ZSP.H.PET	0.6694893407	0.343725776	0.667836765
## GLNU_norm.H.PET	0.5299370210	0.513663931	0.535987955
## ZSNU_norm.H.PET	0.7239038967	0.390640942	0.721495682
## GLVAR_area.H.PET	0.8016586930	0.384368989	0.796582611
## ZSVAR.H.PET	-0.0538495739	-0.055683514	-0.052467399
## Entropy_area.H.PET	0.9473239440	0.474324371	0.940316946
## Max_cooc.W.PET	0.3546713393	0.638339045	0.359352381
## Average_cooc.W.PET	0.5272594512	0.200607458	0.522928841
## Variance_cooc.W.PET	0.2612956346	0.079272596	0.265770295
## Entropy_cooc.W.PET	0.8561383236	0.397886012	0.850413707
## DAVE_cooc.W.PET	0.5494406305	0.233414127	0.551425263
## DVAR_cooc.W.PET	0.2944428151	0.090151015	0.302137237
## DENT_cooc.W.PET	0.8397341425	0.409735287	0.836116287
## SAVE_cooc.W.PET	0.5264863997	0.198672780	0.522141409
## SVAR_cooc.W.PET	0.2362347519	0.070516781	0.239138045
## SENT_cooc.W.PET	0.8956601636	0.515533897	0.890791499
## ASM_cooc.W.PET	0.3911037321	0.799055642	0.398085694
## Contrast_cooc.W.PET	0.3030311759	0.093903115	0.311212322
## Dissimilarity_cooc.W.PET	0.5494406305	0.233414127	0.551425263
## Inv_diff_cooc.W.PET	0.7579291041	0.559846089	0.757849887
## Inv_diff_norm_cooc.W.PET	0.9942190927	0.574255967	0.989648351
## IDM_cooc.W.PET	0.6254613569	0.509144139	0.627005411
## IDM_norm_cooc.W.PET	0.9973287524	0.573822743	0.993291527
## Inv_var_cooc.W.PET	0.6952927124	0.547708126	0.696179161
## Correlation_cooc.W.PET	0.6609452104	0.365195781	0.649214523
## Autocorrelation_cooc.W.PET	0.2626225373	0.054517105	0.260727265
## Tendency_cooc.W.PET	0.2362347519	0.070516781	0.239138045

## Shade_cooc.W.PET	0.0436804992	0.026743294	0.051025558
## Prominence_cooc.W.PET	0.0132285262	0.004431974	0.019968783
## IC1_d.W.PET	-0.1294112898	0.390196006	-0.127306510
## IC2_d.W.PET	0.8492191567	0.502881761	0.846363188
## Coarseness_vdif.W.PET	0.4544436948	0.838271904	0.465108502
## Contrast_vdif.W.PET	0.4787498313	0.348629070	0.490602910
## Busyness_vdif.W.PET	0.2341980542	-0.037349458	0.236002218
## Complexity_vdif.W.PET	0.1725776662	0.049779646	0.177078679
## Strength_vdif.W.PET	0.2466154509	0.205786273	0.256690144
## SRE_align.W.PET	0.9916093583	0.570964604	0.988344039
## LRE_align.W.PET	0.8691711330	0.517593356	0.867623258
## GLNU_align.W.PET	0.2669494497	-0.057810772	0.253513820
## RLNU_align.W.PET	0.2357870229	-0.054755645	0.223136666
## RP_align.W.PET	0.9872293365	0.567506440	0.983985761
## LGRE_align.W.PET	0.5003498868	0.478833377	0.506644518
## HGRE_align.W.PET	0.2654542443	0.048162852	0.264139987
## LGSRE_align.W.PET	0.5360389560	0.512012898	0.542444562
## HGSRE_align.W.PET	0.2611081753	0.046073690	0.260119872
## LGHRE_align.W.PET	0.3381042027	0.328160583	0.343731590
## HGLRE_align.W.PET	0.2826389994	0.056433018	0.279977209
## GLNU_norm_align.W.PET	0.5200689856	0.591010513	0.526171812
## RLNU_norm_align.W.PET	0.9677532254	0.552115526	0.964407958
## GLVAR_align.W.PET	0.2624241879	0.071600781	0.265240448
## RLVAR_align.W.PET	0.3647351911	0.377827724	0.367154757
## Entropy_align.W.PET	0.9022261876	0.431701808	0.895848655
## SZSE.W.PET	0.9412359194	0.541786135	0.937432657
## LZSE.W.PET	0.1292380539	0.124669429	0.130032449
## LGLZE.W.PET	0.5246492915	0.505386742	0.530207775
## HGLZE.W.PET	0.2686175732	0.049153780	0.267684545
## SZLGE.W.PET	0.5987095528	0.590992989	0.603261182
## SZHGE.W.PET	0.2563310607	0.043518755	0.256560973
## LZLGE.W.PET	0.0021681449	0.022363399	0.004849065
## LZHGE.W.PET	0.3027591860	0.106635460	0.293761358
## GLNU_area.W.PET	0.2760393089	-0.057195477	0.261910523
## ZSNU.W.PET	0.2241408659	-0.056465893	0.212756368
## ZSP.W.PET	0.8707793404	0.475716258	0.867730433
## GLNU_norm.W.PET	0.5399797060	0.611325315	0.546019157
## ZSNU_norm.W.PET	0.8665404420	0.480309832	0.862448373
## GLVAR_area.W.PET	0.2661035500	0.076411552	0.269043158
## ZSVAR.W.PET	0.0401129097	0.075543931	0.040428275
## Entropy_area.W.PET	0.9396369001	0.462546808	0.933489293
## Min_hist.ADC	0.3306777736	0.314355984	0.319280184
## Max_hist.ADC	0.8849292725	0.423788547	0.880610183
## Mean_hist.ADC	0.8675862511	0.460301978	0.860160331
## Variance_hist.ADC	0.4684787494	0.227047986	0.479469793
## Standard_Deviation_hist.ADC	0.7413191781	0.362756605	0.750066344
## Skewness_hist.ADC	0.2238172942	0.216063613	0.218635039
## Kurtosis_hist.ADC	0.2499190205	0.168266128	0.231873658
## Energy_hist.ADC	0.4605197840	0.975562180	0.468466770
## Entropy_hist.ADC	0.9522731313	0.468786449	0.945355238
## AUC_hist.ADC	0.9738809289	0.585270372	0.969581529
## Volume.ADC	0.3155310414	-0.108919342	0.300772623
## X3D_surface.ADC	0.4248539447	0.093210460	0.410619407
## ratio_3ds_vol.ADC	0.6583111786	0.587359214	0.671374280

## ratio_3ds_vol_norm.ADC	0.9373917931	0.462384220	0.931604873
## irregularity.ADC	0.9599073919	0.596524847	0.963225361
## Compactness_v1.ADC	0.6965238689	0.966438237	0.701572506
##	GLVAR_area.W.ADC	ZSVAR.W.ADC	Entropy_area.W.ADC
## Failure	-0.100828554	-0.014494515	-0.057732293
## Entropy_cooc.W.ADC	0.287628529	0.041325459	0.109979564
## GLNU_align.H.PET	0.147787235	0.057625207	0.006638567
## Min_hist.PET	0.194270052	0.264934187	0.532822628
## Max_hist.PET	0.259649606	0.308952016	0.563675929
## Mean_hist.PET	0.191654923	0.274683961	0.533932121
## Variance_hist.PET	0.105236411	0.113600579	0.271584987
## Standard_Deviation_hist.PET	0.207789811	0.321002365	0.542105421
## Skewness_hist.PET	0.415172224	0.364672627	0.554002067
## Kurtosis_hist.PET	0.341746516	0.133483335	0.201916335
## Energy_hist.PET	0.239731216	0.601560426	0.381059741
## Entropy_hist.PET	0.574513567	0.476161499	0.903991913
## AUC_hist.PET	0.474192169	0.671306144	0.973789772
## H_suv.PET	0.221485429	0.359929142	0.555522117
## Volume.PET	0.299819095	0.144708723	0.388312424
## X3D_surface.PET	0.310077004	0.186346831	0.272473364
## ratio_3ds_vol.PET	0.198239119	0.523338812	0.505896634
## ratio_3ds_vol_norm.PET	0.332861079	0.575085930	0.557494686
## irregularity.PET	0.424770705	0.625577302	0.935556440
## tumor_length.PET	0.449312157	0.484874134	0.634692792
## Compactness_v1.PET	0.310330083	0.635761214	0.505277280
## Compactness_v2.PET	0.065690241	0.025951286	0.250692769
## Spherical_disproportion.PET	0.332861079	0.575085930	0.557494686
## Sphericity.PET	0.077958908	-0.060846021	0.263079996
## Asphericity.PET	0.324196860	0.564931026	0.535778858
## Center_of_mass.PET	0.353381218	0.297890787	0.407979351
## Max_3D_diam.PET	0.305618893	0.168168181	0.508983748
## Major_axis_length.PET	0.358010108	0.232023599	0.545211784
## Minor_axis_length.PET	0.425995401	0.412555363	0.700542893
## Least_axis_length.PET	0.361409883	0.318979118	0.605110671
## Elongation.PET	0.343358500	0.597764266	0.831135069
## Flatness.PET	0.297669963	0.541543435	0.776786973
## Max_cooc.L.PET	0.285362583	0.624299120	0.415202411
## Average_cooc.L.PET	0.223286848	0.510894539	0.751542712
## Variance_cooc.L.PET	0.109527028	0.405617393	0.568862236
## Entropy_cooc.L.PET	0.420203026	0.614463760	0.958250380
## DAVE_cooc.L.PET	0.202374769	0.477140589	0.692516118
## DVAR_cooc.L.PET	0.164154520	0.504176086	0.603668070
## DENT_cooc.L.PET	0.385645777	0.613463186	0.932464150
## SAVE_cooc.L.PET	0.223060391	0.510357171	0.751397407
## SVAR_cooc.L.PET	0.114591606	0.406684294	0.579524113
## SENT_cooc.L.PET	0.401498890	0.651246937	0.936302551
## ASM_cooc.L.PET	0.270932888	0.615041236	0.386830096
## Contrast_cooc.L.PET	0.086669092	0.349168811	0.475289009
## Dissimilarity_cooc.L.PET	0.202374769	0.477140589	0.692516118
## Inv_diff_cooc.L.PET	0.520474033	0.634808405	0.862143114
## Inv_diff_norm_cooc.L.PET	0.477229247	0.652018478	0.978436671
## IDM_cooc.L.PET	0.511011981	0.618648120	0.776310607
## IDM_norm_cooc.L.PET	0.467451333	0.651275066	0.978729774
## Inv_var_cooc.L.PET	0.518034420	0.628148786	0.782476114

## Correlation_cooc.L.PET	0.348500803	0.461902486	0.660679523
## Autocorrelation_cooc.L.PET	0.093870003	0.386962424	0.533616011
## Tendency_cooc.L.PET	0.114591606	0.406684294	0.579524113
## Shade_cooc.L.PET	0.093155104	0.171063569	0.295984807
## Prominence_cooc.L.PET	0.027228304	0.279993938	0.383920709
## IC1_.L.PET	0.026332047	-0.072802113	-0.295330950
## IC2_.L.PET	0.334253171	0.593128513	0.840689650
## Coarseness_vdif_.L.PET	0.201913819	0.573450701	0.401496855
## Contrast_vdif_.L.PET	-0.001097886	0.159022963	0.180542147
## Busyness_vdif_.L.PET	0.350713117	0.197189031	0.378884398
## Complexity_vdif_.L.PET	0.227803748	0.485326029	0.659374725
## Strength_vdif_.L.PET	0.021991035	0.221705611	0.234719381
## SRE_align.L.PET	0.450734133	0.651930535	0.973827505
## LRE_align.L.PET	0.470256785	0.644913520	0.975545176
## GLNU_align.L.PET	0.298445213	0.190470966	0.317395643
## RLNU_align.L.PET	0.258154331	0.128911933	0.288681185
## RP_align.L.PET	0.448689903	0.651351467	0.972968799
## LGRE_align.L.PET	0.419462736	0.582539225	0.615321020
## HGRE_align.L.PET	0.103294654	0.396946684	0.555136970
## LGSRE_align.L.PET	0.419026470	0.589037780	0.618738522
## HGSRE_align.L.PET	0.101806497	0.397064198	0.553068789
## LGHRE_align.L.PET	0.418389933	0.554447538	0.598268884
## HGLRE_align.L.PET	0.109228189	0.395376474	0.561968004
## GLNU_norm_align.L.PET	0.422919015	0.685155301	0.644090345
## RLNU_norm_align.L.PET	0.441311124	0.649740793	0.969188232
## GLVAR_align.L.PET	0.123125506	0.425340925	0.597824856
## RLVAR_align.L.PET	0.429001175	0.658498533	0.628982884
## Entropy_align.L.PET	0.418142039	0.620590497	0.960135575
## SZSE.L.PET	0.442676619	0.647415631	0.951137223
## LZSE.L.PET	0.343728237	0.431034800	0.690557171
## LGLZE.L.PET	0.420809432	0.597764584	0.626289917
## HGLZE.L.PET	0.105007187	0.406328606	0.564938579
## SZLGE.L.PET	0.415655950	0.618387278	0.631679088
## SZHGE.L.PET	0.108981512	0.414108844	0.561366495
## LZLGE.L.PET	0.406933947	0.443686774	0.516125305
## LZHGE.L.PET	0.069827509	0.294482083	0.460909546
## GLNU_area.L.PET	0.300489963	0.184204276	0.319453776
## ZSNU.L.PET	0.258046447	0.120718068	0.290025613
## ZSP.L.PET	0.436667275	0.645947005	0.954965090
## GLNU_norm.L.PET	0.423071942	0.686352001	0.644361694
## ZSNU_norm.L.PET	0.426009908	0.644391209	0.953585162
## GLVAR_area.L.PET	0.126729483	0.436063776	0.608815218
## ZSVAR.L.PET	0.333455934	0.365649810	0.471060853
## Entropy_area.L.PET	0.427122335	0.623355000	0.963885250
## Max_cooc.H.PET	0.212091547	0.259359158	0.271406948
## Average_cooc.H.PET	0.455082047	0.614699257	0.946824622
## Variance_cooc.H.PET	0.322416918	0.554084529	0.840914053
## Entropy_cooc.H.PET	0.263819862	0.532061354	0.801980228
## DAVE_cooc.H.PET	0.343118145	0.557505476	0.854796533
## DVAR_cooc.H.PET	0.343991233	0.532928111	0.828379589
## DENT_cooc.H.PET	0.470330177	0.454190753	0.809516490
## SAVE_cooc.H.PET	0.484073036	0.610876023	0.962417214
## SVAR_cooc.H.PET	0.453713230	0.528053332	0.859178424
## SENT_cooc.H.PET	0.281530539	0.607292716	0.661715060

## ASM_cooc.H.PET	0.203841463	0.279923987	0.247519372
## Contrast_cooc.H.PET	0.284690519	0.485819366	0.755551602
## Dissimilarity_cooc.H.PET	0.343118145	0.557505476	0.854796533
## Inv_diff_cooc.H.PET	0.385868924	0.460053258	0.646227685
## Inv_diff_norm_cooc.H.PET	0.464674548	0.652234161	0.972632185
## IDM_cooc.H.PET	0.344791178	0.394249557	0.541798203
## IDM_norm_cooc.H.PET	0.460762128	0.652857333	0.975836318
## Inv_var_cooc_.H.PET	0.337063807	0.652684655	0.555164954
## Correlation_cooc.H.PET	0.321451232	0.482405240	0.667017896
## Autocorrelation_cooc.H.PET	0.440183432	0.578332906	0.885990635
## Tendency_cooc.H.PET	0.313946503	0.541356217	0.811827942
## Shade_cooc.H.PET	-0.097023747	-0.299051197	-0.401724359
## Prominence_cooc.H.PET	0.203136882	0.401717688	0.606787632
## IC1_d.H.PET	-0.043124140	0.143931169	-0.131992475
## IC2_d.H.PET	0.370992695	0.529113169	0.773132048
## Coarseness_vdif.H.PET	0.245458185	0.606885459	0.373480929
## Contrast_vdif.H.PET	0.128800859	0.173626617	0.241283666
## Busyness_vdif.H.PET	0.133059688	-0.077371764	0.177177905
## Complexity_vdif.H.PET	0.270590199	0.575674009	0.609520965
## Strength_vdif.H.PET	-0.067951125	0.028901000	-0.023040444
## SRE_align.H.PET	0.420561701	0.643863142	0.951526106
## LRE_align.H.PET	0.405238377	0.381968192	0.626231021
## RLNU_align.H.PET	0.252255585	0.132078552	0.284560458
## RP_align.H.PET	0.408188246	0.636110752	0.938816065
## LGRE_align.H.PET	0.263869011	0.622703424	0.403035527
## HGRE_align.H.PET	0.445121649	0.570151808	0.892562453
## LGSRE_align.H.PET	0.262893400	0.621531780	0.400517293
## HGSRE_align.H.PET	0.440834287	0.606730562	0.939850906
## LGHRE_align.H.PET	0.270738023	0.628518773	0.416699037
## HGLRE_align.H.PET	0.294739052	0.251192641	0.420943741
## GLNU_norm_align.H.PET	0.309106806	0.361163972	0.474377253
## RLNU_norm_align.H.PET	0.372177146	0.607338443	0.889848773
## GLVAR_align.H.PET	0.316583666	0.531873677	0.813107845
## RLVAR_align.H.PET	0.261994679	0.176183100	0.281505412
## Entropy_align.H.PET	0.399512555	0.567787693	0.897734874
## SZSE.H.PET	0.376542236	0.577960716	0.850935628
## LZSE.H.PET	0.087772618	-0.077682331	-0.039221785
## LGLZE.H.PET	0.262532614	0.622602869	0.403713704
## HGLZE.H.PET	0.542078798	0.503458375	0.878422267
## SZLGE.H.PET	0.261278387	0.619552741	0.397365821
## SZHGE.H.PET	0.407618349	0.522139452	0.835009769
## LZLGE.H.PET	0.114371500	0.024681737	0.016415160
## LZHGE.H.PET	0.067234603	-0.048002507	-0.045623185
## GLNU_area.H.PET	0.282702707	0.167920987	0.329636355
## ZSNU.H.PET	0.225095350	0.090701045	0.248722491
## ZSP.H.PET	0.260626669	0.445002828	0.668325520
## GLNU_norm.H.PET	0.275725984	0.381459622	0.476802328
## ZSNU_norm.H.PET	0.290692276	0.479996552	0.721588392
## GLVAR_area.H.PET	0.330980213	0.496154392	0.799156860
## ZSVAR_H.PET	0.083221814	-0.051670733	-0.041014814
## Entropy_area.H.PET	0.453974917	0.604545153	0.945417833
## Max_cooc.W.PET	0.203066011	0.386523391	0.292416488
## Average_cooc.W.PET	0.185880681	0.301228658	0.528703138
## Variance_cooc.W.PET	0.099945104	0.117153576	0.269336661

## Entropy_cooc.W.PET	0.357263634	0.541079483	0.853532766
## DAVE_cooc.W.PET	0.181027462	0.314383794	0.544357243
## DVAR_cooc.W.PET	0.094294012	0.109398503	0.295106983
## DENT_cooc.W.PET	0.342663723	0.536959568	0.833838756
## SAVE_cooc.W.PET	0.185389730	0.300046142	0.528058124
## SVAR_cooc.W.PET	0.103875959	0.115500819	0.248387415
## SENT_cooc.W.PET	0.382157154	0.607667456	0.882652577
## ASM_cooc.W.PET	0.237350714	0.472823352	0.322476723
## Contrast_cooc.W.PET	0.080400055	0.110251129	0.299666842
## Dissimilarity_cooc.W.PET	0.181027462	0.314383794	0.544357243
## Inv_diff_cooc.W.PET	0.408966208	0.513273122	0.725231915
## Inv_diff_norm_cooc.W.PET	0.476861109	0.652447269	0.978146818
## IDM_cooc.W.PET	0.360355773	0.425736967	0.591309014
## IDM_norm_cooc.W.PET	0.467258299	0.651805927	0.978682865
## Inv_var_cooc.W.PET	0.392316159	0.481956374	0.662677455
## Correlation_cooc.W.PET	0.348232943	0.462592209	0.661038751
## Autocorrelation_cooc.W.PET	0.095403574	0.103298369	0.269616609
## Tendency_cooc.W.PET	0.103875959	0.115500819	0.248387415
## Shade_cooc.W.PET	0.058971321	0.022570954	0.056362891
## Prominence_cooc.W.PET	0.049793708	-0.017811523	0.024427207
## IC1_d.W.PET	-0.013063852	0.168715585	-0.145175485
## IC2_d.W.PET	0.378710879	0.559696777	0.824855287
## Coarseness_vdif.W.PET	0.163458991	0.519362384	0.366982640
## Contrast_vdif.W.PET	0.087990596	0.307158125	0.443481148
## Busyness_vdif.W.PET	0.237521532	0.029452519	0.249253239
## Complexity_vdif.W.PET	0.120356463	0.053968597	0.186503904
## Strength_vdif.W.PET	0.092230106	0.186953085	0.242464948
## SRE_align.W.PET	0.442190228	0.652759608	0.970620746
## LRE_align.W.PET	0.446298927	0.543552419	0.845556712
## GLNU_align.W.PET	0.314568051	0.150346316	0.330038220
## RLNU_align.W.PET	0.255233297	0.134965671	0.286768417
## RP_align.W.PET	0.435771643	0.650319685	0.966192994
## LGRE_align.W.PET	0.322734779	0.354701801	0.465838799
## HGRE_align.W.PET	0.096563175	0.095222318	0.272391782
## LGSRE_align.W.PET	0.337059142	0.389527028	0.501084779
## HGSRE_align.W.PET	0.094121635	0.091464073	0.267770067
## LGHRE_align.W.PET	0.258217286	0.208687849	0.309251983
## HGLRE_align.W.PET	0.106307214	0.110334160	0.290711597
## GLNU_norm_align.W.PET	0.306723708	0.408931408	0.468851149
## RLNU_norm_align.W.PET	0.417702493	0.641707517	0.948113305
## GLVAR_align.W.PET	0.105705452	0.113349863	0.271737139
## RLVAR_align.W.PET	0.279377281	0.268390197	0.342354897
## Entropy_align.W.PET	0.394439939	0.569144241	0.898692543
## SZSE.W.PET	0.421290443	0.635465205	0.927143059
## LZSE.W.PET	0.102292236	0.088167852	0.107390617
## LGLZE.W.PET	0.331315816	0.388434868	0.489771504
## HGLZE.W.PET	0.096792435	0.098249011	0.275659489
## SZLGE.W.PET	0.365360582	0.477915155	0.564510073
## SZHGE.W.PET	0.090880290	0.087502827	0.262904128
## LZLGE.W.PET	0.070038761	-0.038472819	-0.010523761
## LZHGE.W.PET	0.082507470	0.190633078	0.301051711
## GLNU_area.W.PET	0.308247603	0.163058526	0.338799220
## ZSNU.W.PET	0.244626795	0.119132632	0.271612285
## ZSP.W.PET	0.380814776	0.575039371	0.863239674

## GLNU_norm.W.PET	0.305278613	0.428279928	0.485488257
## ZSNU_norm.W.PET	0.367147402	0.580872669	0.856579371
## GLVAR_area.W.PET	0.107330890	0.117937621	0.275511989
## ZSVAR.W.PET	0.072498762	0.048951388	0.025403355
## Entropy_area.W.PET	0.430234658	0.593786137	0.934942937
## Min_hist.ADC	-0.284233332	0.322720280	0.196117341
## Max_hist.ADC	0.696666205	0.548413303	0.937526441
## Mean_hist.ADC	0.402273281	0.588473811	0.847753220
## Variance_hist.ADC	0.999756451	0.137542700	0.590624438
## Standard_Deviation_hist.ADC	0.935797063	0.317714950	0.829300172
## Skewness_hist.ADC	-0.003110448	0.215794616	0.183641502
## Kurtosis_hist.ADC	-0.149076489	0.473616557	0.222201570
## Energy_hist.ADC	0.232555128	0.609137783	0.381184749
## Entropy_hist.ADC	0.570988357	0.604230933	0.985319991
## AUC_hist.ADC	0.458912368	0.662038621	0.957436810
## Volume.ADC	0.295579895	0.137221862	0.379067956
## X3D_surface.ADC	0.581556999	0.340551330	0.542914648
## ratio_3ds_vol.ADC	0.084933788	0.379060614	0.521997251
## ratio_3ds_vol_norm.ADC	0.504939480	0.609298397	0.946560936
## irregularity.ADC	0.364851931	0.596319184	0.899149684
## Compactness_v1.ADC	0.322794255	0.693158199	0.625982227
## [reached getOption("max.print") -- omitted 196 rows]			

Split the data into training (80%) and testing (20%)

```
data_split <- initial_split(new_data, prop = .8, strata = "Failure.binary")
data_train <- training(data_split)
data_test <- testing(data_split)
```

Model 1

Create an ensemble classification model (atleast 3 models).

Model 1: KNN

```
cv <- trainControl(
  method = "repeatedcv",
  number = 10,
  repeats = 5,
  classProbs = TRUE,
  summaryFunction = twoClassSummary
)

hyper_grid <- expand_grid(
  k = floor(seq(1, nrow(data_train)/3, length.out = 10))
)
```

```
set.seed(456)
```

```
modell1 <- train(
  Failure.binary ~ .,
  metric="ROC",
  data = data_train,
  method = "knn",
  tuneGrid = hyper_grid,
  preProc = c("center", "scale"),
```

```
trControl = cv
)
```

Top 20 features

```
varImp(model1)
```

```
## ROC curve variable importance
##
##   only 20 most important variables shown (out of 429)
##
##                                     Importance
## Entropy_cooc.W.ADC                  100.00
## Failure                             73.17
## GLNU_align.H.PET                    57.56
## Min_hist.ADC                        49.49
## DVAR_cooc.L.PET                     46.19
## Complexity_vdif.W.ADC               42.12
## Autocorrelation_cooc.W.ADC          40.26
## Entropy_align.W.ADC                 38.80
## SZHGE.W.ADC                         37.19
## HGSRE_align.W.ADC                  36.81
## HGRE_align.W.ADC                   36.65
## HGLZE.W.ADC                        36.65
## SAVE_cooc.W.ADC                    36.19
## HGLRE_align.W.ADC                  35.44
## Entropy_cooc.H.PET                 35.36
## Contrast_vdif_.L.PET                35.36
## Contrast_cooc.L.PET                 34.65
## LZHGE.W.ADC                        33.95
## Inv_diff_cooc.W.ADC                 33.82
## Contrast_cooc.W.ADC                 33.45
```

Performance of KNN

```
probi_train <- predict(model1, data_train, type = "prob")$Yes
probi_test  <- predict(model1, data_test,  type = "prob")$Yes
```

```
roc(data_train$Failure.binary ~ probi_train, plot=TRUE, legacy.axes=FALSE,
     percent=TRUE, col="black", lwd=2, print.auc=TRUE)
```

```
## Setting levels: control = No, case = Yes
```

```
## Setting direction: controls < cases
```

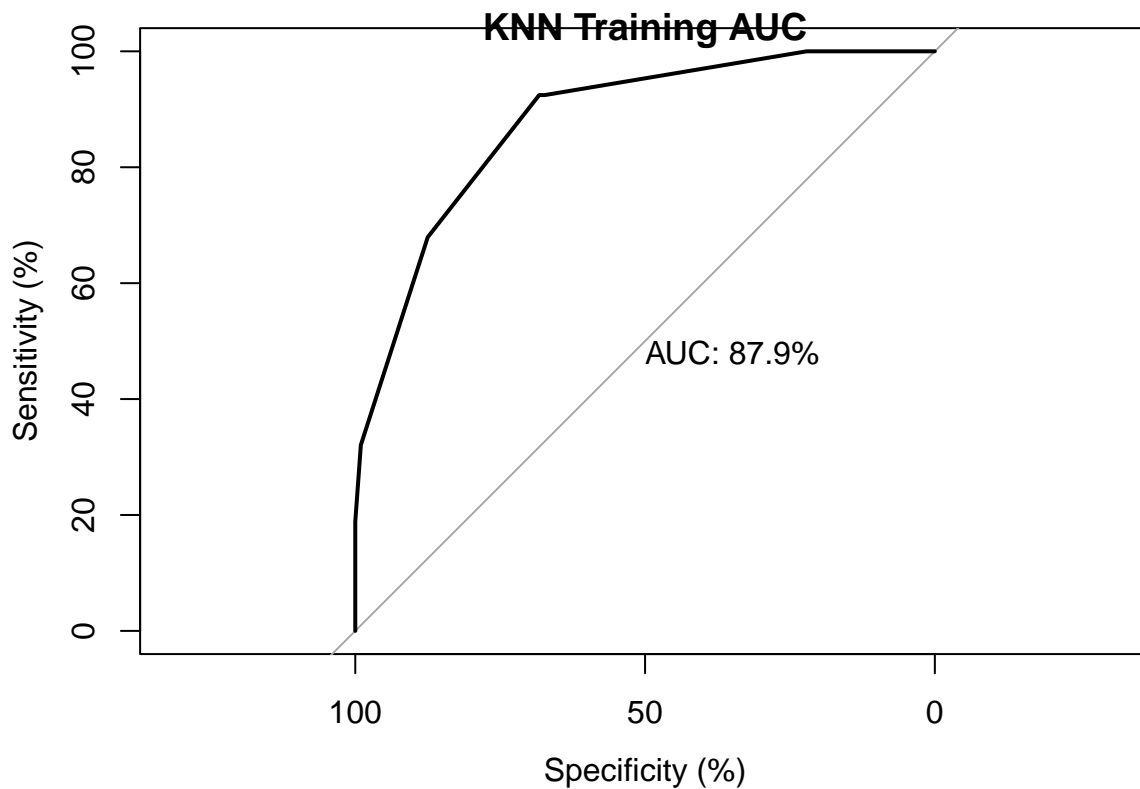
```
##
```

```
## Call:
```

```
## roc.formula(formula = data_train$Failure.binary ~ probi_train,      plot = TRUE, legacy.axes = FALSE,
##
```

```
## Data: probi_train in 104 controls (data_train$Failure.binary No) < 53 cases (data_train$Failure.binary Yes)
## Area under the curve: 87.93%
```

```
title(main="KNN Training AUC")
```



```
roc(data_test$Failure.binary ~ prob1_test, plot=TRUE, legacy.axes=FALSE,
     percent=TRUE, col="black", lwd=2, print.auc=TRUE)
```

```
## Setting levels: control = No, case = Yes
## Setting direction: controls < cases
```

```
##
```

```
## Call:
```

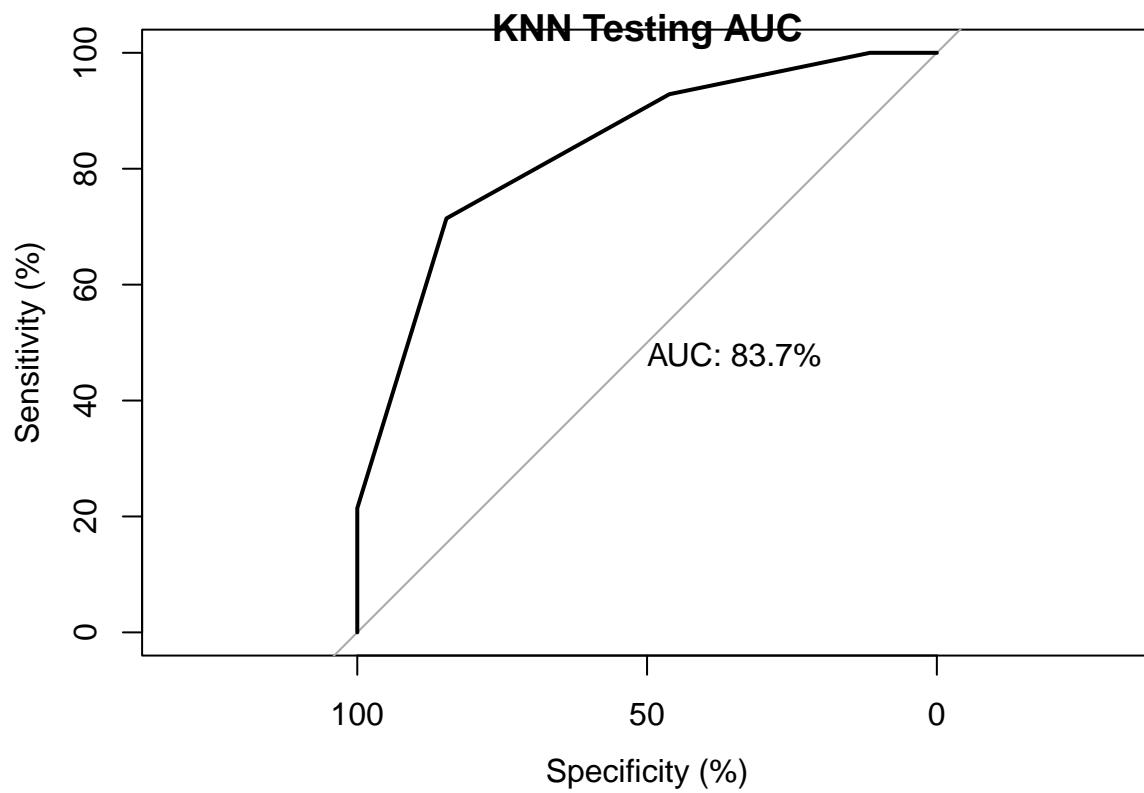
```
## roc.formula(formula = data_test$Failure.binary ~ prob1_test,      plot = TRUE, legacy.axes = FALSE, p
```

```
##
```

```
## Data: prob1_test in 26 controls (data_test$Failure.binary No) < 14 cases (data_test$Failure.binary Y
```

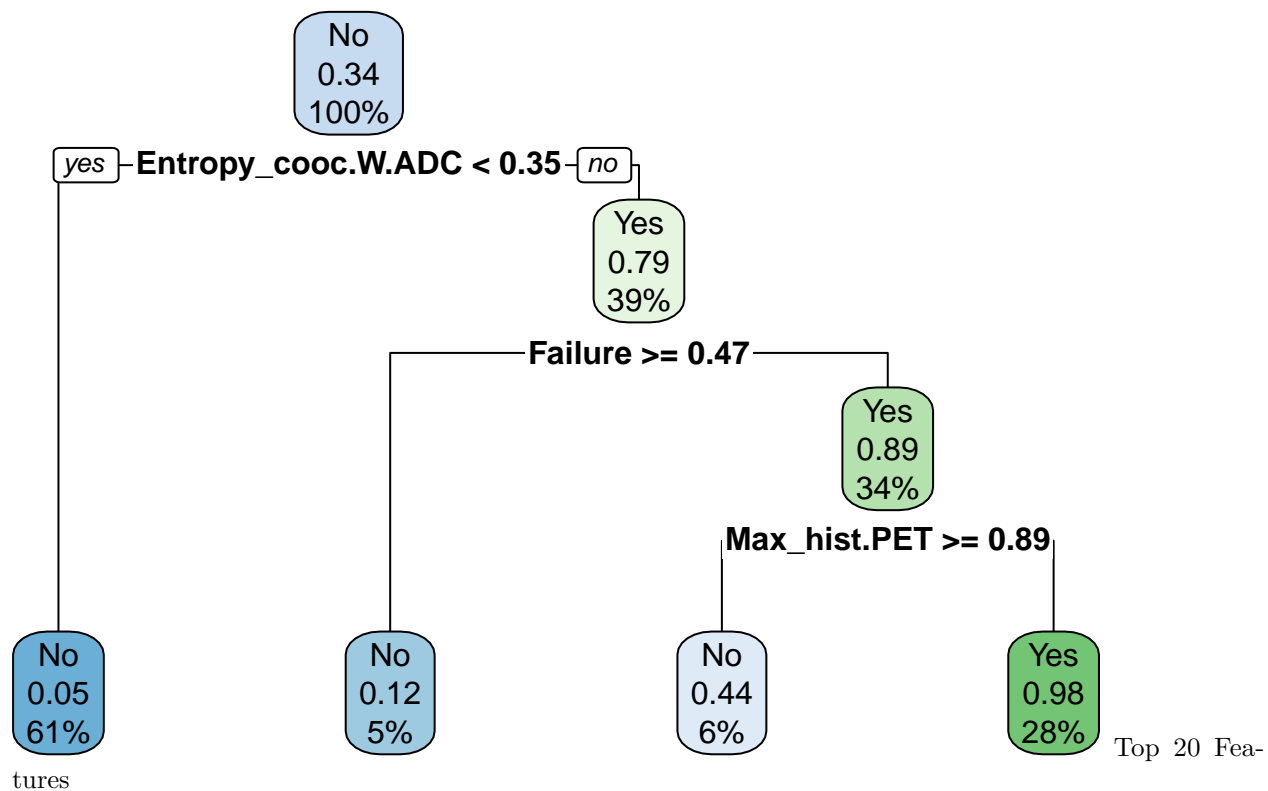
```
## Area under the curve: 83.65%
```

```
title(main="KNN Testing AUC")
```

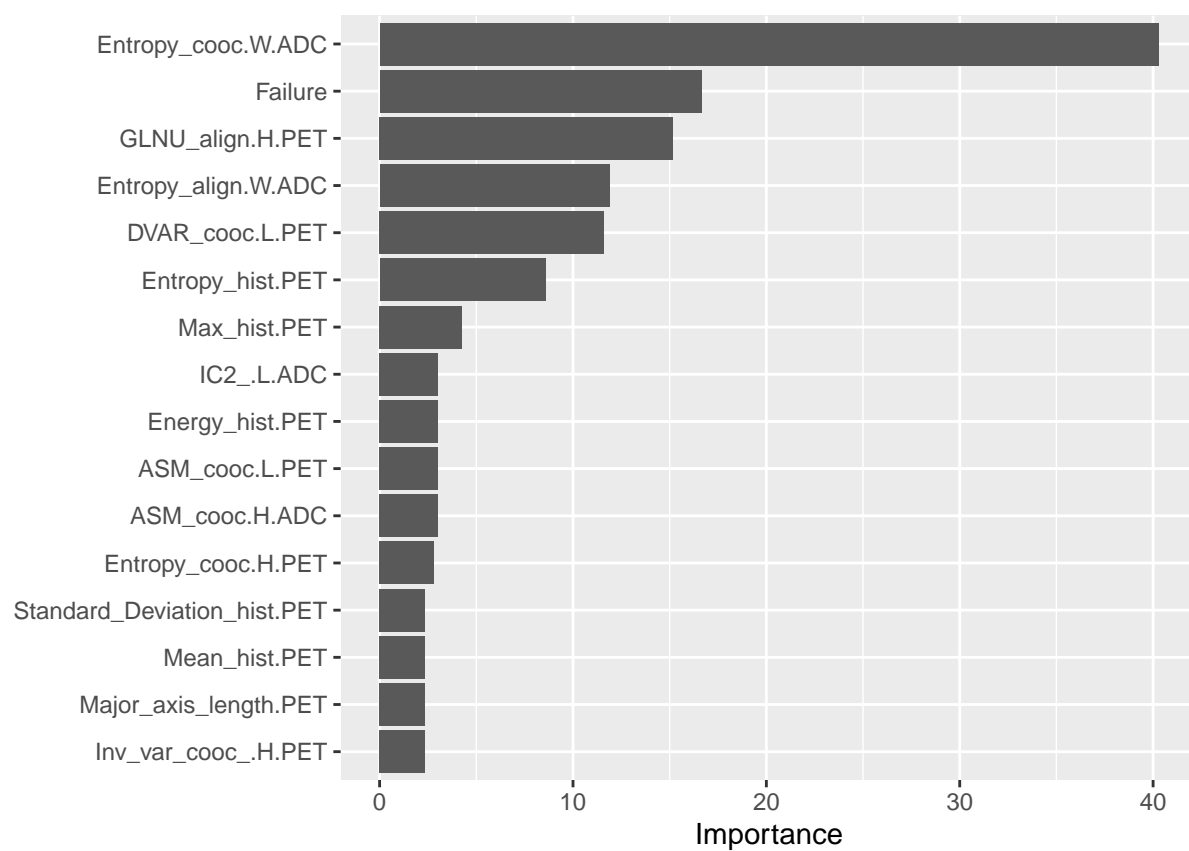


Model 2: Decision tree

```
model2 <- rpart(  
  formula = Failure.binary ~ .,  
  data    = data_train,  
  method  = "class"  
)  
#plotting  
rpart.plot(model2)
```



```
vip(model2, num_features = 20, bar = FALSE)
```



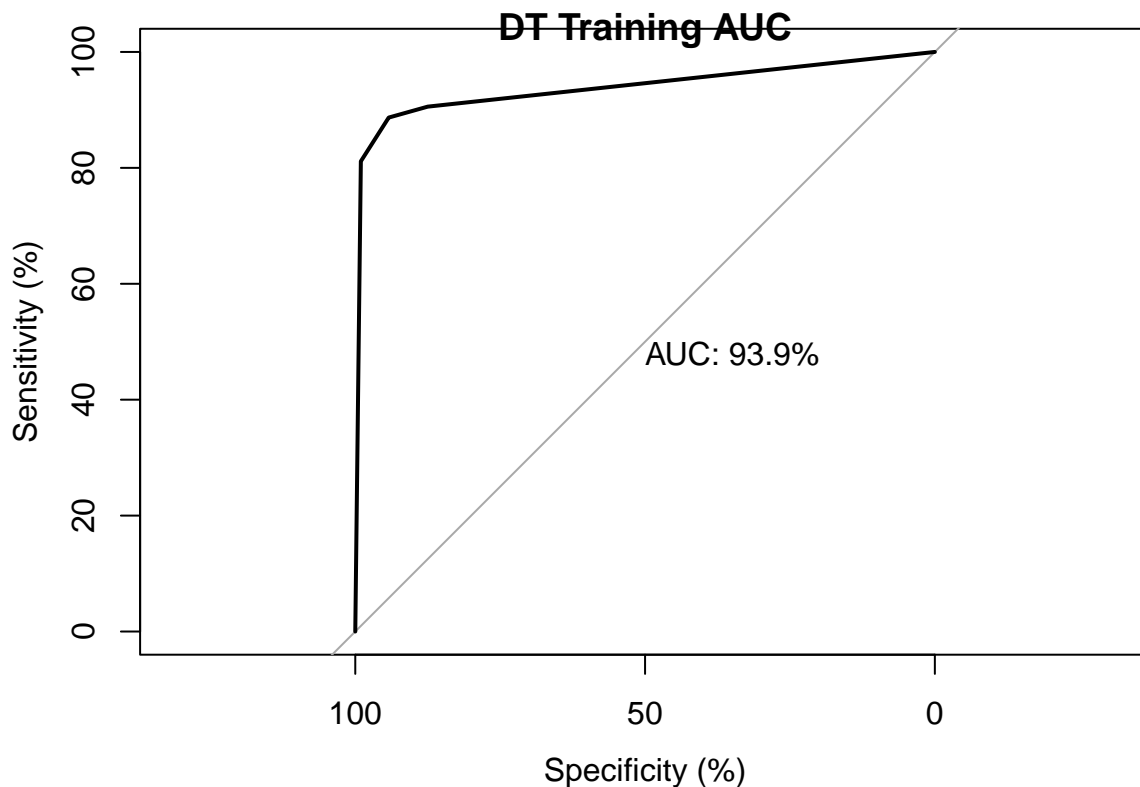
```

prob2_train <- predict(model2, data_train, type = "prob")
prob2_test  <- predict(model2, data_test, type = "prob")

roc(data_train$Failure.binary ~ prob2_train[,2], plot=TRUE, legacy.axes=FALSE,
    percent=TRUE, col="black", lwd=2, print.auc=TRUE)

## Setting levels: control = No, case = Yes
## Setting direction: controls < cases
##
## Call:
## roc.formula(formula = data_train$Failure.binary ~ prob2_train[,      2], plot = TRUE, legacy.axes = FALSE)
##
## Data: prob2_train[, 2] in 104 controls (data_train$Failure.binary No) < 53 cases (data_train$Failure.binary Yes)
## Area under the curve: 93.88%
title(main="DT Training AUC")

```



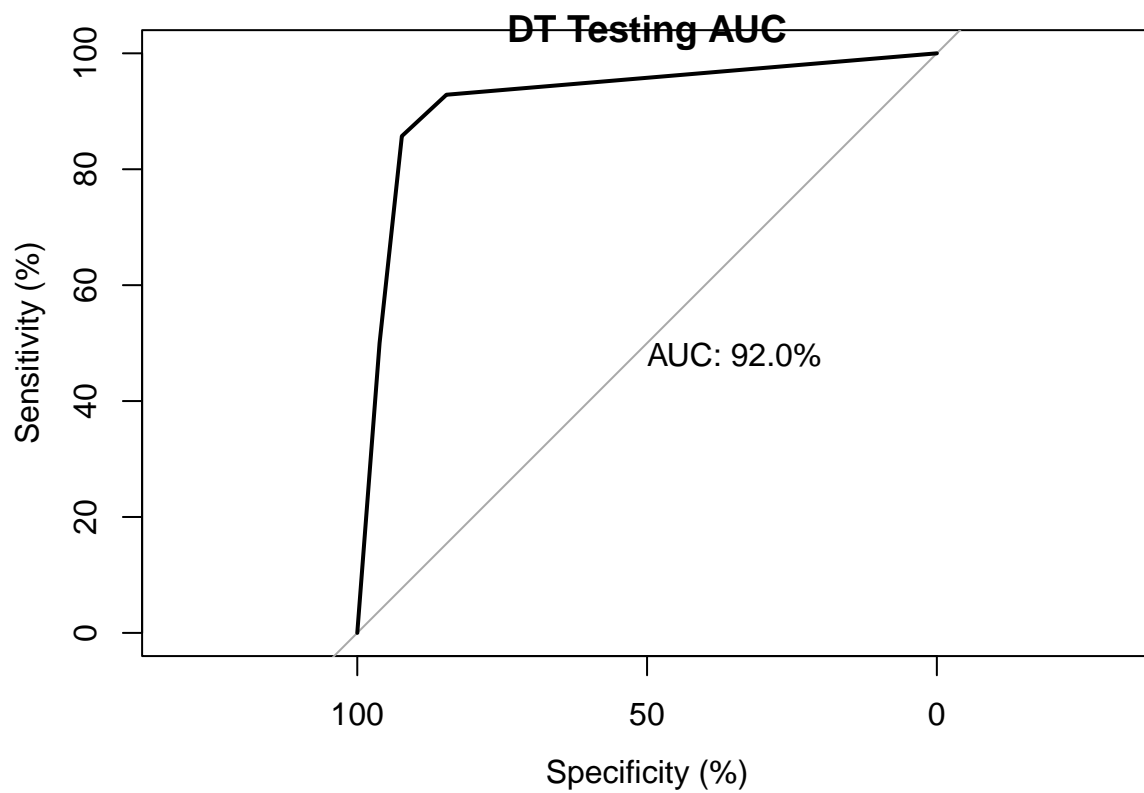
```

roc(data_test$Failure.binary ~ prob2_test[,2], plot=TRUE, legacy.axes=FALSE,
    percent=TRUE, col="black", lwd=2, print.auc=TRUE)

## Setting levels: control = No, case = Yes
## Setting direction: controls < cases
##
## Call:
## roc.formula(formula = data_test$Failure.binary ~ prob2_test[,      2], plot = TRUE, legacy.axes = FALSE)
##
## Data: prob2_test[, 2] in 26 controls (data_test$Failure.binary No) < 14 cases (data_test$Failure.binary Yes)
## Area under the curve: 92.03%

```

```
title(main="DT Testing AUC")
```

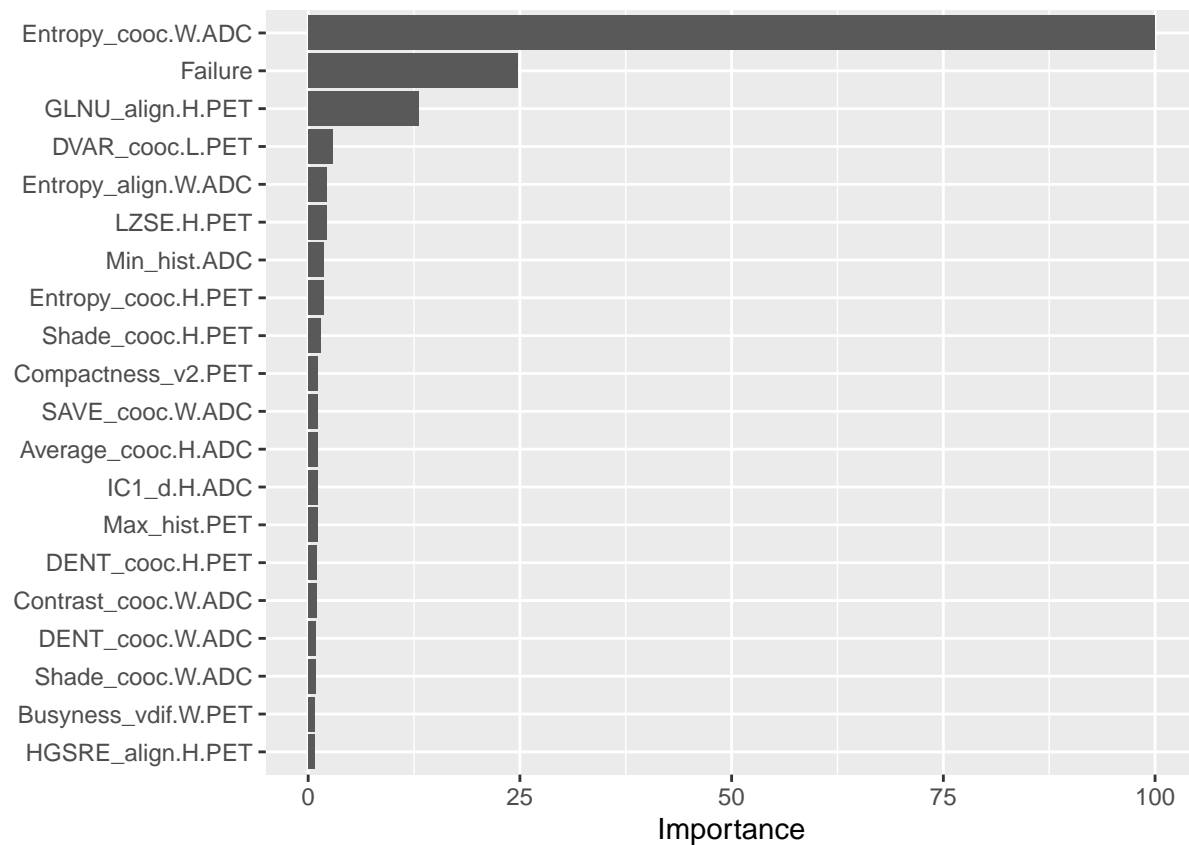


Model 3: Random Forest

```
set.seed(123)
model3 <- train(
  Failure.binary ~ .,
  data = data_train,
  method = "rf",
  trControl = trainControl(method = "cv", number = 10)
)
```

Top 20 features

```
vip(model3, num_features = 20, bar = FALSE)
```

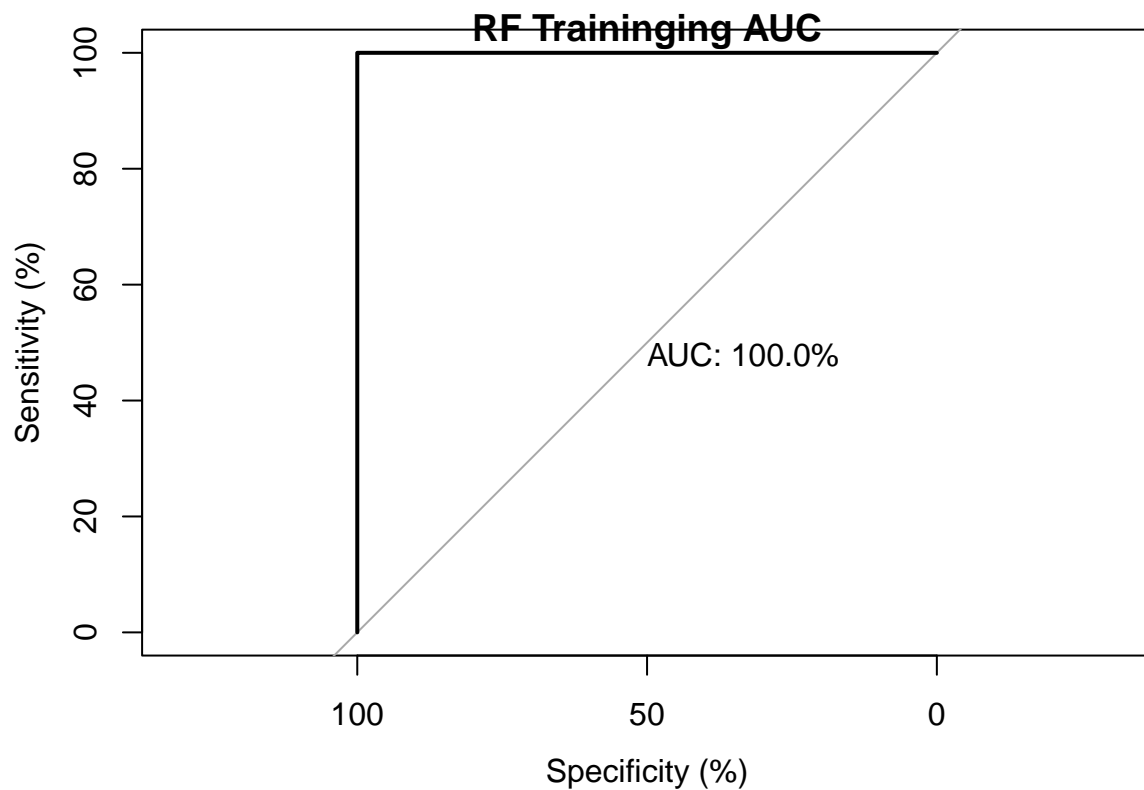



Performance of RF

```
prob3_train <- predict(model3, data_train, type = "prob")
prob3_test  <- predict(model3, data_test, type = "prob")

roc(data_train$Failure.binary ~ prob3_train[,2], plot=TRUE, legacy.axes=FALSE,
    percent=TRUE, col="black", lwd=2, print.auc=TRUE)

## Setting levels: control = No, case = Yes
## Setting direction: controls < cases
##
## Call:
## roc.formula(formula = data_train$Failure.binary ~ prob3_train[, 2], plot = TRUE, legacy.axes = F
##
## Data: prob3_train[, 2] in 104 controls (data_train$Failure.binary No) < 53 cases (data_train$Failure
## Area under the curve: 100%
title(main="RF Traininging AUC")
```



```
roc(data_test$Failure.binary ~ prob3_test[,2], plot=TRUE, legacy.axes=FALSE,
     percent=TRUE, col="black", lwd=2, print.auc=TRUE)
```

```
## Setting levels: control = No, case = Yes
## Setting direction: controls < cases
```

```
##
```

```
## Call:
```

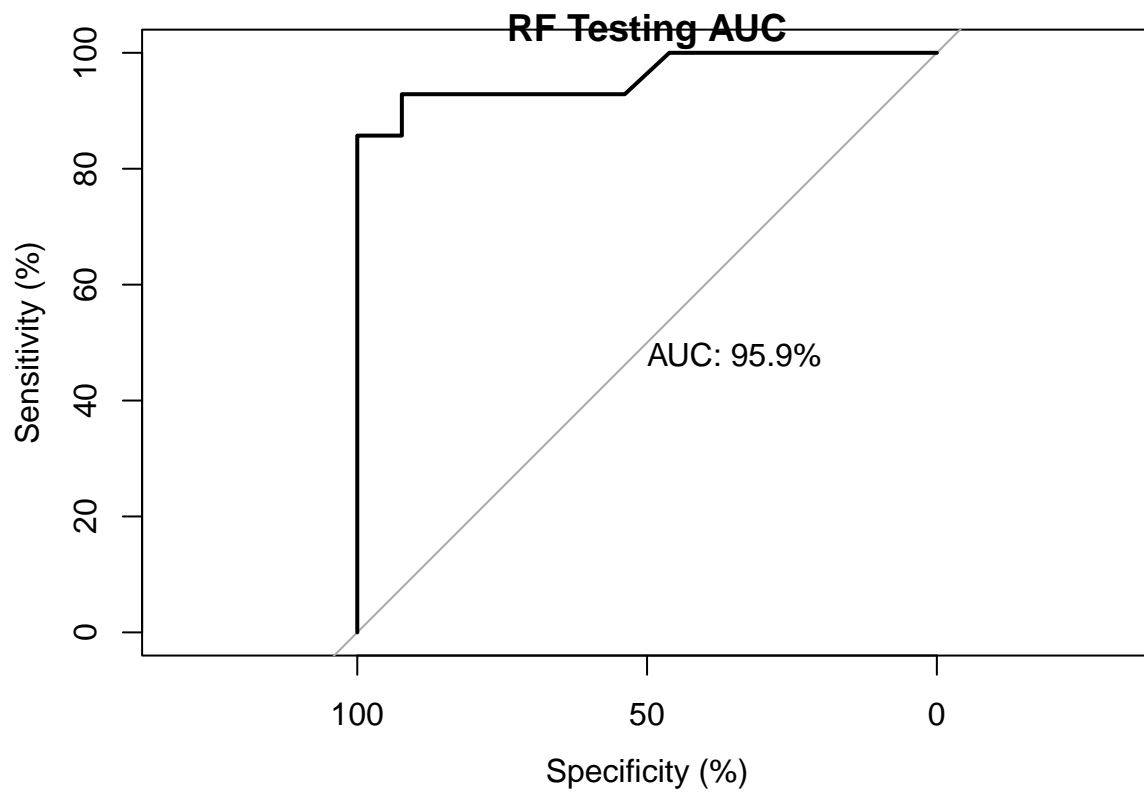
```
## roc.formula(formula = data_test$Failure.binary ~ prob3_test[, 2], plot = TRUE, legacy.axes = FALSE)
```

```
##
```

```
## Data: prob3_test[, 2] in 26 controls (data_test$Failure.binary No) < 14 cases (data_test$Failure.binary Yes)
```

```
## Area under the curve: 95.88%
```

```
title(main="RF Testing AUC")
```



Ensem-

ble three models together using majority of the predictions

```
pred_avg<-(prob1_test+prob2_test[,2]+prob3_test[,2])/3
pred_bi<-as.factor(ifelse(pred_avg>0.5,'Yes','No'))

true_bi <- as.factor(data_test$Failure.binary)
acc <- sum(true_bi==pred_bi)/length(true_bi)
acc
```

```
## [1] 0.925
```