

INFS692 Final Project: Model2

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Helper packages

```
library(readr)
```

```
## Warning: replacing previous import 'ellipsis::check_dots_unnamed' by  
## 'rlang::check_dots_unnamed' when loading 'tibble'
```

```
## Warning: replacing previous import 'ellipsis::check_dots_used' by  
## 'rlang::check_dots_used' when loading 'tibble'
```

```
## Warning: replacing previous import 'ellipsis::check_dots_empty' by  
## 'rlang::check_dots_empty' when loading 'tibble'
```

```
## Warning: replacing previous import 'ellipsis::check_dots_unnamed' by  
## 'rlang::check_dots_unnamed' when loading 'pillar'
```

```
## Warning: replacing previous import 'ellipsis::check_dots_used' by  
## 'rlang::check_dots_used' when loading 'pillar'
```

```
## Warning: replacing previous import 'ellipsis::check_dots_empty' by  
## 'rlang::check_dots_empty' when loading 'pillar'
```

```
library(factoextra)
```

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

```
## Welcome! Want to learn more? See two factoextra-related books at https://goo.gl/ve3WBa
```

```
library(caret)
```

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

```
library(mclust)
```

```
## Package 'mclust' version 5.4.8  
## Type 'citation("mclust")' for citing this R package in publications.
```

```
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(rsample)  
library(keras)  
library(tensorflow)
```

```
##  
## Attaching package: 'tensorflow'  
  
## The following object is masked from 'package:caret':  
##  
##     train
```

Load dataset

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

```
## Parsed with column specification:  
## cols(  
##   .default = col_double(),  
##   Institution = col_character()  
## )  
  
## See spec(...) for full column specifications.
```

```
data$Failure.binary = as.factor(data$Failure.binary)
```

Preprocess data

Check for null/missing

```
data_clean <- na.omit(data)  
# 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	-0.537011154	
## 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
## 79	-0.209100776	-0.394957173	-0.5778521	-0.4616626
## 80	-1.570435966	0.930962843	-0.7719572	-0.6337861
## 81	0.041645939	-0.287322623	-0.4433508	-0.4748734
## 82	-0.991522483	0.279785546	-0.6090047	-0.5833064
## 83	0.036961190	-0.308072708	-0.7383419	-0.4510114
## 84	-0.371585393	-0.237949933	-0.5932576	-0.4403901
## 85	0.532649015	-0.422875944	-0.5574786	-0.5281986
## 86	-0.069902918	-0.545056407	-0.6733915	-0.4479813
## 87	-0.828698342	0.034095153	-0.7898886	-0.5709165
## 88	-0.002807103	-0.216600285	-0.4445668	-0.5119301
## 89	-0.063657225	-0.227679162	-0.4356202	-0.4794784
## 90	-0.515349977	-0.498108036	-0.4785925	-0.5543390
## 91	-0.647434609	-0.564998386	-0.4946721	-0.5337237
## 92	-0.946374013	-0.377230970	-0.5292985	-0.5763862
## 93	-0.276533131	-0.664056582	-0.5487196	-0.5258143
## 94	-1.146121733	-0.197127529	-0.6952239	-0.6225445
## 95	-0.009343661	-0.807560626	-0.5535511	-0.5103667
## 96	-0.976270837	-0.397199017	-0.5594572	-0.5794462
## 97	-0.454804056	-0.765799776	-0.5341070	-0.5239949

## 98	-0.976258438	-0.365135443	-0.5589409	-0.5766099
## 99	-0.684634063	0.255620560	-0.5477722	-0.5032851
## 100	0.036764317	-0.817179698	-0.7465394	-0.4960467
## 101	0.532452142	-0.931982933	-0.5656760	-0.5732340
## 102	-0.946394275	-0.429627542	-0.5301422	-0.5810212
## 103	-0.946339638	-0.288339273	-0.5278672	-0.5685229
## 104	-1.146109334	-0.165063956	-0.6947077	-0.6197082
## 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
## 108	-0.481473045	0.710845105	-0.4340302	-0.5412112
## 109	-0.242527914	0.177833809	-0.4499486	-0.4431688
## 110	0.359085681	-0.206772670	-0.6738779	-0.4118216
## 111	0.244463140	-0.044812520	-0.4400887	-0.4815123
## 112	-0.014733686	-0.126144512	-0.5488610	-0.4389166
## 113	-0.946352843	-0.322488283	-0.5284171	-0.5715437
## 114	-0.002982807	-0.670964588	-0.4518828	-0.5521229
## 115	0.510137068	-0.974708297	-0.8795774	-0.4911073
## 116	0.532473311	-0.877240246	-0.5647946	-0.5683915
## 117	-0.715965916	0.084927649	-0.5259973	-2.1631725
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## 120	-0.515822755	-1.720694713	-0.4982781	-0.6624883
## 121	-0.647907387	-1.787585063	-0.5143576	-0.6418731
## 122	-0.946846791	-1.599817647	-0.5489840	-0.6845356
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## 127	-0.455276835	-1.988386453	-0.5537925	-0.6321442
## 128	-0.976731216	-1.587722120	-0.5786265	-0.6847592
## 129	-0.685106842	-0.966966117	-0.5674578	-0.6114344
## 130	0.036291539	-2.039766375	-0.7662249	-0.6041960
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## 133	-0.946812416	-1.510925950	-0.5475527	-0.6766723
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## 135	-0.946783183	-1.435328906	-0.5463355	-0.6699850
## 136	-0.067667604	-1.309081843	-0.4878351	-0.5952766
## 137	-0.280690233	-1.295813258	-0.5533375	-0.5758558
## 138	-0.481945823	-0.511741572	-0.4537157	-0.6493605
## 139	-0.243000692	-1.044752868	-0.4696342	-0.5513182
## 140	0.358612903	-1.429359346	-0.6935635	-0.5199710
## 141	0.243990361	-1.267399197	-0.4597742	-0.5896616
## 142	-0.015206464	-1.348731189	-0.5685466	-0.5470660
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## 145	0.532000533	-2.099826923	-0.5844801	-0.6765408
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## 148	2.883249580	0.486973583	1.9228690	1.8309585
## 149	2.605063741	1.199149873	2.0307457	1.7059710
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## 151	2.018502661	1.108746236	1.9374934	1.7815372

## 152	0.073960939	1.650959517	1.4309795	1.6962445	
## 153	1.826524099	1.073763052	1.7178533	1.7765333	
## 154	0.919773905	1.569158301	1.6518670	1.7179759	
## 155	3.336392653	0.919492946	1.7254782	1.7003860	
## 156	0.315044954	1.597155276	1.7015433	1.6619042	
## 157	1.030162671	1.428026441	1.9368000	1.7009210	
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## 160	-0.608254072	3.053936381	1.5580178	1.4977985	
## 161	0.767142108	1.275893907	1.7677714	1.6572969	
## 162	-1.625038237	3.422432869	0.7270428	1.3993342	
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## 164	1.770426144	1.304881463	1.5194006	1.7437749	
## 165	-0.475443076	2.486645736	1.6274049	1.5215729	
## 166	0.814833842	1.036850840	1.7000163	1.7016174	
## 167	0.460707172	2.048964919	1.8412652	1.6284310	
## 168	1.718511099	0.756776826	1.7202038	1.8097206	
## 169	1.325005870	0.797182143	1.5840463	1.7317194	
## 170	1.847992224	1.017873375	1.9242499	1.8140236	
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## 172	0.029176700	1.678226588	1.2541296	1.8376781	
## 173	1.111750007	1.370259872	1.7958844	1.7148259	
## 174	0.155110274	2.683510866	1.7745686	1.6160572	
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## 176	2.368906963	0.798276996	1.7271781	1.8378487	
## 177	1.583985096	1.094461001	1.7925718	1.7588974	
## 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	
## 181	0.153431801	1.496272324	1.6480768	1.5124736	
## 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	
## 186	0.479080082	1.004891538	1.2863089	1.5372534	
## 187	2.130862560	0.503500661	1.9769526	1.6552262	
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## 193	-0.155766700	0.542446172	1.4756383	1.4339973	
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## 195	0.183935092	0.142303198	1.7471717	1.5201940	
## 196	1.226868653	-0.594898321	1.7978722	1.6310966	
## 197	0.183959890	0.206430346	1.7482043	1.5258666	
##	LZSE.L.PET	LGLZE.L.PET	HGLZE.L.PET	SZLGE.L.PET	SZHGE.L.PET
## 1	-0.4480601558	-0.15538232	-0.298456038	-0.171067281	-2.942719e-01
## 2	-0.6146386678	-0.11323547	-0.373099510	-0.092422622	-3.163762e-01
## 3	-0.7703555756	-0.51856790	0.213854841	-0.449607088	2.507497e-01
## 4	-0.1684869659	-0.39347619	-0.874151313	-0.397301220	-8.709436e-01
## 5	-0.7298394220	0.36093736	-1.142015311	0.448655468	-1.064697e+00
## 6	-0.5211467577	-0.42434947	-0.227559425	-0.432012491	-2.525831e-01
## 7	-0.5997132388	-0.88048791	-0.228598290	-0.841485124	-1.872996e-01

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## 8   -0.7562165775 -0.04451163 -0.473782275  0.038828819 -3.733996e-01
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## 10  -0.5716818254  0.39973710 -0.630823093  0.284710647 -5.372691e-01
## 11  -0.4619549653 -0.54341306 -0.268079825 -0.517330353 -2.790365e-01
## 12  -0.5345938881 -0.58479390  0.020063217 -0.534199216  6.287082e-04
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## 14  -0.7205279366  0.74382255 -0.430875717  0.807787022 -3.566692e-01
## 15  -0.5734043125 -1.00761119 -0.239755226 -0.981887879 -2.288936e-01
## 16  -0.5500148762 -0.89962135 -0.393242071 -0.861363124 -3.445729e-01
## 17   4.8194300244 -0.31381183 -0.553491638 -0.892233321 -1.593288e+00
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## 19  -0.5305049263 -0.23522986 -0.468381109 -0.223674062 -4.480769e-01
## 20  -0.4984587651 -0.25051662 -0.422036738 -0.227869152 -4.197298e-01
## 21  -0.6054313216 -0.21276597 -0.587976714 -0.163668346 -5.697385e-01
## 22  -0.9046820419 -0.18404084  0.308033014 -0.092935945  4.489468e-01
## 23  -0.5670230902 -0.31086438  0.600082547 -0.237728498  5.413844e-01
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## 43  -0.0542737390  0.47893521 -1.185773724  0.342114345 -1.160133e+00
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## 62 -0.3893758926 -0.12738988 -0.627130744 -0.135524072 -6.006827e-01
## 63 0.3984219776 1.79026662 -1.804907830 1.578957825 -1.753558e+00
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## 83 -0.6650181250 0.98969303 -0.549613893 0.974333860 -4.581722e-01
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## 85 -0.4986383156 -0.18918639 -0.032019342 -0.207176915 -6.159332e-02
## 86 -0.7239824870 -0.24515460 -0.381103199 -0.180554910 -2.718924e-01
## 87 -0.3614665734 0.72916857 -1.189923737 0.641133979 -1.136116e+00
## 88 -0.4612834467 -0.26002506 -0.026723704 -0.216699946 -4.215762e-02
## 89 -0.6031079390 -0.47160855 0.085839239 -0.454687218 1.008125e-01
## 90 -0.5613062044 -0.65962911 -0.237676784 -0.640899646 -2.354963e-01
## 91 -0.5956075190 -0.86371909 -0.410677320 -0.860177170 -3.700940e-01
## 92 -0.4808520498 -0.82638475 -0.557797739 -0.815872065 -5.511790e-01
## 93 -0.6283024557 -0.35835660 -0.326451179 -0.290742398 -2.926131e-01
## 94 -0.3269737384 0.12191096 -1.271154446 0.064087862 -1.239092e+00
## 95 -0.6841929142 -0.25138254 -0.420821140 -0.269855452 -3.498807e-01
## 96 -0.4781408382 -0.65528288 -0.827739671 -0.656299343 -8.015126e-01
## 97 -0.6246156868 -1.00404761 -0.460666253 -0.986029866 -4.160504e-01
## 98 -0.4766685247 -0.63480061 -0.827736113 -0.634527357 -8.015089e-01
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## 102 -0.4832580256 -0.85985577 -0.557803553 -0.851450675 -5.511850e-01
## 103 -0.4767702699 -0.76960058 -0.557787876 -0.755512333 -5.511688e-01
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## 109 -0.6388205200 -0.82854954 1.316227442 -0.780735975 1.316502e+00
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## 111 -0.5405346134 -0.31785833 0.439129692 -0.291415028 4.421248e-01
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## 115 -0.7387582905 -0.03222227 0.451520930 0.063025814 5.817465e-01

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## 116 -0.5195020758 -0.47943511 -0.032069758 -0.515701879 -6.164541e-02
## 117 4.8011996705 -0.56742560 -0.553535691 -1.161816522 -1.593334e+00
## 118 -0.4801853192 -0.79702683 -0.268123878 -0.786913554 -2.790820e-01
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## 122 -0.5369914849 -1.60737529 -0.557933398 -1.646039638 -5.513192e-01
## 123 -0.6844418908 -1.13934714 -0.326586838 -1.120909971 -2.927533e-01
## 124 -0.3831131735 -0.65907959 -1.271290105 -0.766079711 -1.239232e+00
## 125 -0.7403323493 -1.03237309 -0.420956799 -1.100023026 -3.500209e-01
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## 128 -0.5328079598 -1.41579115 -0.827871772 -1.464694931 -8.016490e-01
## 129 -0.4415652182 -0.85342800 -0.627256858 -0.907279002 -6.008130e-01
## 130 -0.7445350264 -0.11651597 -0.549806043 -0.201530360 -4.583707e-01
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## 133 -0.5329097051 -1.55059112 -0.557923535 -1.585679906 -5.513090e-01
## 134 -0.3816408600 -0.63859732 -1.271286547 -0.744307726 -1.239228e+00
## 135 -0.5294383967 -1.50229959 -0.557915146 -1.534347583 -5.513003e-01
## 136 -0.7188389656 -1.63335281 -0.128292742 -1.639083223 -7.471380e-02
## 137 -0.6788961764 -0.88863086 -0.038775878 -0.849007965 -3.337088e-02
## 138 -0.3661815678 -1.08690921 -0.309588518 -1.104076509 -3.521810e-01
## 139 -0.6949599551 -1.60954009 1.316091783 -1.610903548 1.316362e+00
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## 141 -0.5966740485 -1.09884887 0.438994033 -1.121582601 4.419847e-01
## 142 -0.7190783661 -0.65896302 -0.427394146 -0.646900217 -3.431034e-01
## 143 -0.5344777788 -1.57240557 -0.557927324 -1.608867956 -5.513129e-01
## 144 -0.5382866420 -1.33126433 -0.026909780 -1.355392484 -4.234989e-02
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## 146 4.7450602354 -1.34841615 -0.553671350 -1.991984096 -1.593474e+00
## 147 -0.5363247543 -1.57801738 -0.268259537 -1.617081128 -2.792222e-01
## 148 0.8061582659 0.69175097 3.102130464 0.832196427 3.153469e+00
## 149 1.1937190707 0.70344085 3.094043005 0.839666165 2.885609e+00
## 150 0.7691086328 0.62307709 2.271397519 0.699298812 2.290772e+00
## 151 1.0124353784 0.87955505 2.717517525 1.035083009 2.671226e+00
## 152 1.0490804246 2.28447211 -0.389390514 2.433481701 -3.638274e-01
## 153 0.8409503517 -0.25549565 2.211412490 -0.179899981 2.305089e+00
## 154 1.1253582362 2.15808153 0.319803037 2.125062942 3.302997e-01
## 155 1.1630015828 0.31600959 3.722749626 0.433326574 3.368907e+00
## 156 1.2692188305 1.30215586 0.242421769 1.328916308 2.329532e-01
## 157 1.1760369442 0.53109005 2.158732065 0.612281673 2.019413e+00
## 158 1.0773464506 0.66104422 2.083917115 0.779023220 1.978094e+00
## 159 2.0115760772 0.80072329 0.767325845 0.815097453 6.395205e-01
## 160 2.3130149188 1.68049499 -0.442030114 1.592764450 -4.984906e-01
## 161 1.3259615550 0.93740496 0.758235932 0.893512002 7.474039e-01
## 162 2.9015572953 4.77271798 -1.597318240 4.322475796 -1.558347e+00
## 163 2.1038626054 1.99881941 -0.717637023 1.895943772 -7.161382e-01
## 164 0.9290593397 2.53272386 0.641782082 2.422117786 7.107661e-01
## 165 2.2597219565 0.63366792 0.323385305 0.741355915 1.751639e-01
## 166 1.0767838593 0.27377948 0.971064095 0.258796675 9.317223e-01
## 167 1.4283723335 1.12281112 0.449365254 1.108081113 3.728776e-01
## 168 0.7725583951 1.46088511 1.050781997 1.597968485 1.137990e+00
## 169 1.0584601392 1.46841193 0.966542400 1.293727115 9.437004e-01

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## 170	0.8811385264	1.15801398	1.709362811	1.198567609	1.775894e+00
## 171	1.0459753991	2.12204606	-0.428199941	2.141206072	-3.756599e-01
## 172	0.8387813824	3.49935369	-0.524973775	3.630516078	-4.700525e-01
## 173	1.1370146503	1.15631545	1.180750984	1.282150791	1.103125e+00
## 174	1.5960365271	1.25343137	0.184807738	1.192195320	1.552687e-01
## 175	0.7038049436	2.19348422	2.915724400	2.423463047	3.112454e+00
## 176	0.7175178086	-0.02153153	3.738002919	0.077505069	3.764176e+00
## 177	0.9163375931	1.42464981	1.359759935	1.592021016	1.363713e+00
## 178	0.7445485276	1.07122245	1.050714312	1.183769739	1.137920e+00
## 179	2.3737053588	1.89161222	-0.994108569	1.687746949	-9.937786e-01
## 180	0.9113700312	0.09580023	2.22259290	0.132094340	2.190886e+00
## 181	1.8779642216	0.89494173	-0.002609135	0.793891893	-2.010967e-02
## 182	0.7746770902	3.17157080	0.913269634	3.113227866	1.032425e+00
## 183	0.6252264924	-0.03511977	1.897071273	0.060618505	1.999759e+00
## 184	1.1074367091	0.81381196	1.948458736	0.750206316	1.825583e+00
## 185	0.6567483663	0.70187553	1.250291021	0.803450326	1.404984e+00
## 186	1.3817801934	2.65052188	-0.367350054	2.446828105	-3.234618e-01
## 187	1.1821464469	0.67213462	1.959050011	0.731160254	1.864454e+00
## 188	0.8984974622	0.24896763	2.184175897	0.255185711	2.150394e+00
## 189	0.9821009314	-0.12707349	1.537143851	-0.117239145	1.477777e+00
## 190	0.9134983023	-0.53525345	1.191142779	-0.555794194	1.208581e+00
## 191	1.1430092407	-0.46058476	0.896901941	-0.467183983	8.464112e-01
## 192	0.8481084289	0.47547154	1.359595061	0.583075351	1.363543e+00
## 193	1.4507658634	1.43600665	-0.529811472	1.292735871	-5.294138e-01
## 194	0.7363275119	0.68941965	1.170855139	0.624849242	1.249008e+00
## 195	1.1484316637	-0.11838102	0.357018078	-0.148038539	3.457442e-01
## 196	0.8554819666	-0.81591048	1.091164913	-0.807499586	1.116668e+00
## 197	1.1513762908	-0.07741648	0.357025194	-0.104494568	3.457515e-01
##	LZLGE.L.PET	LZHGE.L.PET	GLNU_area.L.PET	ZSNU.L.PET	ZSP.L.PET
## 1	-0.1539730709	-0.186066252	-0.55279939	-0.553041809	-0.5621738
## 2	-0.1898420524	-0.542366845	-0.57733250	-0.598495600	-0.4628174
## 3	-0.6707318960	-0.042792528	-0.55804369	-0.505484238	-0.4019440
## 4	-0.2920565851	-0.658726100	0.79726579	0.724377301	-0.6566870
## 5	-0.0298007207	-1.188300263	-0.53314605	-0.592555950	-0.4268835
## 6	-0.4063043794	-0.176562096	-0.54872100	-0.536474370	-0.5302461
## 7	-0.8753078362	-0.347980109	-0.49240914	-0.477263239	-0.4859846
## 8	-0.3240753425	-0.736201938	-0.58455320	-0.593695858	-0.4049620
## 9	-0.5421637858	0.669815752	-0.63392543	-0.650668182	-0.6050910
## 10	0.8535791714	-0.838044918	-0.63869292	-0.677215199	-0.4989293
## 11	-0.5577010662	-0.188819640	1.90895719	2.600435850	-0.5549932
## 12	-0.6769426117	0.032948857	-0.54302702	-0.521898445	-0.5271056
## 13	-0.6819363629	0.420137585	-0.28627972	-0.090775196	-0.5309724
## 14	0.3249024864	-0.635046474	-0.68362894	-0.731395117	-0.4325370
## 15	-0.9448951291	-0.280395950	0.50166459	0.777247899	-0.5041187
## 16	-0.8936986887	-0.507830048	-0.60699929	-0.632493826	-0.5190257
## 17	1.4998188300	3.812888029	-0.29617549	-0.262731570	-1.6474105
## 18	-0.1096377928	-0.799762284	0.55973929	0.486746706	-0.6191780
## 19	-0.2398949658	-0.461568302	-0.41013337	-0.374712302	-0.5159067
## 20	-0.2981833722	-0.393096039	-0.41677620	-0.381128907	-0.5359429
## 21	-0.3706871836	-0.595782342	-0.47104354	-0.463722811	-0.4892310
## 22	-0.4625155531	-0.244044457	-0.67861276	-0.717451663	-0.3152342
## 23	-0.5183595393	0.833014602	-0.46994251	-0.338032657	-0.4970777
## 24	-0.4756503776	-0.803096627	0.04976320	0.131944099	-0.4941703
## 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
## 32	0.1228024396	-0.381868538	-0.31482057	-0.332762878	-0.6161576
## 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
## 36	-0.1285846722	-0.467992403	-0.66266534	-0.696439567	-0.4123950
## 37	-0.5129356541	-0.466712268	-0.50436453	-0.472199237	-0.4699234
## 38	-0.4703733674	-0.688917722	-0.64962340	-0.681514917	-0.4288434
## 39	-0.7216765506	0.200654665	-0.28830716	-0.106941318	-0.5166065
## 40	-0.5410832052	0.279573062	-0.60328544	-0.585061483	-0.5150122
## 41	-0.2804429663	-0.646069745	-0.44779160	-0.430248949	-0.4530061
## 42	-0.4682226973	-0.015878004	-0.57113265	-0.549669578	-0.4772771
## 43	1.2926201213	-1.026848841	0.16506617	-0.082311595	-0.7009557
## 44	-0.2384996530	0.093272569	-0.62979283	-0.654515739	-0.5461607
## 45	2.6968503573	-1.231430954	-0.60538530	-0.685285733	-0.4694954
## 46	1.9271307593	-0.903227658	0.37827631	0.079519647	-0.7474536
## 47	-0.5864151354	0.381041045	-0.56778819	-0.522065191	-0.4173271
## 48	-0.1992420546	-0.492324325	0.93897533	1.184882111	-0.5406682
## 49	-0.4969997129	0.302529828	-0.64445676	-0.642528890	-0.4180413
## 50	-0.4828997096	0.657208804	-0.50799949	-0.431201756	-0.5079302
## 51	-0.4472720228	-0.078171269	-0.45798650	-0.346760831	-0.4117866
## 52	-0.4404633159	0.260663432	-0.59192777	-0.567123091	-0.4583542
## 53	0.1174310098	-1.133864311	-0.42145301	-0.525761664	-0.4928910
## 54	-0.7889348251	-0.232642846	-0.56145044	-0.585098952	-0.4387292
## 55	0.3567009313	-0.835889718	-0.44445790	-0.479778833	-0.4963322
## 56	-0.6107334446	1.156384613	-0.66815439	-0.695138296	-0.5091687
## 57	0.0144716109	-0.828543566	-0.22147859	-0.234536931	-0.5322421
## 58	-0.4824485934	0.179537807	-0.20037287	-0.052745652	-0.5090196
## 59	-0.4807070752	0.043664901	-0.52434506	-0.483730409	-0.4967362
## 60	-0.2747568043	-0.181223381	0.39706723	0.480537216	-0.6396278
## 61	0.5918583518	-0.888849221	0.32631320	0.085685626	-0.6918634
## 62	-0.1688389226	-0.581847270	-0.37269419	-0.356487933	-0.5384006
## 63	2.6698987885	-1.592323997	0.91131676	-0.177938439	-0.7637120
## 64	0.4590728300	-1.181770736	2.48166543	1.490740399	-0.6771777
## 65	0.5196587815	-0.803815990	-0.59873996	-0.647066395	-0.4616511
## 66	-0.4677820722	-0.256872743	0.07074936	-0.040664138	-0.6802750
## 67	-0.4749474756	-0.490069216	-0.60411268	-0.625371048	-0.4930209
## 68	-0.0151341995	-0.550679326	2.99369832	3.351920200	-0.5590717
## 69	-0.1933775443	-0.657529610	-0.57507044	-0.584215520	-0.4184477
## 70	0.1824232124	-0.538377250	-0.62701661	-0.659187437	-0.4812762
## 71	-0.1223634654	-0.350966123	-0.43031108	-0.336464515	-0.4288097
## 72	0.3312810593	-1.197527796	-0.29124258	-0.405709622	-0.4806221
## 73	0.8734177920	-1.222007309	-0.57408124	-0.648536488	-0.4163628
## 74	-0.2920670761	-0.333779992	-0.50937251	-0.499041691	-0.4961422
## 75	0.0465847880	-0.757102314	0.65847572	0.622609126	-0.5799736
## 76	-0.0183129949	-0.105904896	-0.69078970	-0.731383872	-0.3922097
## 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
## 81	-0.5305082028	0.005601068	-0.46809637	-0.379980360	-0.4789436
## 82	0.0330303206	-0.780872423	-0.16643515	-0.262317082	-0.6556650
## 83	0.8200077350	-0.771017467	-0.65086995	-0.693703026	-0.4447891
## 84	-0.7275305699	-0.372688420	-0.62996695	-0.646560300	-0.4139316
## 85	-0.2046134844	0.093278913	-0.62973405	-0.654513573	-0.5383934
## 86	-0.4472930049	-0.688913401	-0.64958337	-0.681513442	-0.4235529
## 87	0.8912840908	-1.134776852	-0.51390793	-0.623701240	-0.5998752
## 88	-0.3489182054	0.024673257	-0.29602684	-0.148640544	-0.5378042
## 89	-0.4605642134	-0.034671643	-0.34976432	-0.188647401	-0.4790638
## 90	-0.6524249721	-0.241184288	-0.12228098	0.043172229	-0.5631621
## 91	-0.7567587016	-0.484299347	0.12101070	0.354096467	-0.5407236
## 92	-0.7653613822	-0.481474062	0.50657742	0.669803890	-0.5973815
## 93	-0.5422477144	-0.438557436	-0.58104793	-0.579114000	-0.5188621
## 94	0.2716707777	-1.117661779	0.46885365	0.131960263	-0.6634250
## 95	-0.1362221740	-0.569539217	-0.52359309	-0.521345363	-0.5010767
## 96	-0.5538823153	-0.763431553	1.20587640	1.348138934	-0.6006808
## 97	-0.9114286035	-0.551923380	-0.26377942	-0.191606992	-0.5270094
## 98	-0.5409782945	-0.763429137	1.20589878	1.348139759	-0.5977229
## 99	-0.1342183789	-0.581840788	-0.37263413	-0.356485721	-0.5304650
## 100	0.6151170626	-0.771055827	-0.65122536	-0.693716121	-0.4917536
## 101	-0.4095041569	0.093240553	-0.63008946	-0.654526669	-0.5853578
## 102	-0.7864484406	-0.481478010	0.50654084	0.669802542	-0.6022150
## 103	-0.7295868203	-0.481467364	0.50663948	0.669806177	-0.5891813
## 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
			0.859668421

## 8	-0.871738469	0.98189042	-0.99919570	0.941065756
## 9	0.043019755	-0.32358166	0.19807282	-1.066684765
## 10	-0.805563334	0.66373604	-0.76807254	0.484722731
## 11	0.150909451	-1.08047614	0.55414029	-0.398720011
## 12	-0.666645542	-0.25979876	-0.75162999	0.098832068
## 13	-0.091851125	-0.15096399	0.27681268	0.781673668
## 14	-1.470176892	1.33930040	-1.49707300	1.115051142
## 15	-0.087943658	0.17607530	0.23550976	0.712204275
## 16	-0.544399738	-0.77994000	-0.35818352	0.699652527
## 17	-0.093966551	-0.50454309	0.13185667	-0.143696452
## 18	-0.122869393	0.68798298	0.08141364	-0.110748112
## 19	-0.288553851	-0.10992786	-0.06885134	0.825472467
## 20	-0.139209819	-0.29704692	0.06027637	0.182289856
## 21	-0.491110439	0.48612032	-0.44968432	0.573946006
## 22	-1.143409393	0.97522246	-1.20542903	1.123595404
## 23	-0.204204275	0.24694226	0.02573995	0.914317677
## 24	-0.424779064	0.61494477	-0.27445930	1.000573143
## 25	-0.198539019	-1.71413565	0.17372927	-0.096703007
## 26	-1.364294186	1.55473396	-1.46591683	-0.439796744
## 27	-0.496736153	0.49976216	-0.56535804	0.240228275
## 28	-0.313362362	-0.04958336	-0.16163009	0.501395386
## 29	-0.736566381	-0.41499869	-0.84767304	0.380717126
## 30	-0.209189840	0.26394859	0.09618181	0.696892654
## 31	-1.182161462	1.38305048	-1.34306766	-0.355715149
## 32	-0.334582904	0.64530049	-0.33348731	-0.689281655
## 33	-0.151753262	-0.58545682	0.24540025	0.613056802
## 34	-0.386492991	0.16386709	-0.34972875	0.318998060
## 35	-0.344613517	0.35186921	-0.15179914	0.698518332
## 36	-1.341255829	1.24617206	-1.42885927	0.995715012
## 37	-1.066521905	1.08121678	-1.17733118	0.919780712
## 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
## 70	-1.053419224	0.64919886	-0.438145600	-0.37314270
## 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
## 104	-0.055711381	-0.58573533	-0.367194944	2.25914347
## 105	-0.363190767	-0.34693310	-0.618245124	0.27232576
## 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
## 109	0.638316141	0.56782358	-0.053686496	-0.37034680
## 110	-1.279124985	0.57832595	0.862809218	-0.37391518
## 111	-0.841035057	0.59704915	-0.539109197	-0.37121862
## 112	-0.300056662	0.53660618	-0.632437965	-0.35583394
## 113	-0.379297577	-0.49939859	-0.618273343	0.27161320
## 114	-0.625873326	-0.49700839	-0.337900791	-0.32239475
## 115	-1.343242332	-0.27345271	0.960864551	-0.38491094
## 116	-0.314851207	-0.45416595	0.416047102	-0.37205203
## 117	-0.061675874	-0.50624324	-0.269465806	-0.27880862
## 118	0.079803896	-0.51442784	-0.266789934	-0.08598305
## 119	0.631429619	-0.48248614	-0.711611831	-0.33413997
## 120	-0.532040636	-2.26814304	-0.492212762	0.37056606
## 121	-0.652015329	-2.27719681	-0.433977804	0.99766538
## 122	-0.566764011	-2.27393746	-0.618601789	0.26331975
## 123	-1.186176066	-2.00337460	-0.477831050	-0.37881136
## 124	-0.239849330	-2.32876709	-0.367517559	2.25099727
## 125	-1.074671796	-2.25825633	-0.276154293	0.44154309
## 126	-0.727514566	-2.33162808	-0.379592364	3.01937160
## 127	-1.403086209	-2.26415938	-0.500083133	0.28417456
## 128	-0.722808776	-2.28708353	-0.379584120	3.01957979
## 129	-0.886092040	-1.04566684	0.198495965	-0.31695222
## 130	-0.364583374	-2.07109680	-0.581613413	-0.39149949
## 131	-0.502317642	-2.22870482	0.415718655	-0.38034548
## 132	-0.574453961	-2.34672976	-0.618615262	0.26297955
## 133	-0.553717878	-2.15044404	-0.618578932	0.26389691

## 134	-0.235143540	-2.28422254	-0.367509314	2.25120546
## 135	-0.542622925	-2.04542031	-0.618559494	0.26438774
## 136	0.083909028	-1.73234095	-0.177765306	-0.35285016
## 137	0.053424691	-0.97251238	-0.630457944	-0.38640325
## 138	0.523334177	-1.21203891	0.156878627	-0.26557498
## 139	0.458883982	-1.13066363	-0.054000866	-0.37828481
## 140	-1.458557144	-1.12016125	0.862494848	-0.38185319
## 141	-1.020467216	-1.10143806	-0.539423567	-0.37915664
## 142	-0.479488821	-1.16188103	-0.632752335	-0.36377195
## 143	-0.558729735	-2.19788579	-0.618587713	0.26367518
## 144	-0.805305485	-2.19549559	-0.338215161	-0.33033277
## 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	SZHG.E.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
## 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

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## 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
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## 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
## 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
## 115 -0.987118932 -0.527256818 2.406936e-01 -0.303534019 -0.2229776638
## 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
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## 121 -0.716683200 -2.240771745 -3.537270e-01 -0.506446066 -0.2373490463
## 122 -0.879230878 -2.134169320 -3.779631e-01 -0.520686092 -0.2424427954
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## 125 -0.224343382 -2.316199372 -1.509747e-01 -0.533818561 -0.2277469982
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## 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

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## 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
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## 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
## 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
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## 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
## 76	-0.744516744	-0.602452372	-0.65818883	0.246190633	-0.699547776
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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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## 86	-0.664919348	-0.527827723	0.36528627	-0.469908092	0.167727955
## 87	-0.578969630	-0.543335563	-0.66964169	0.010476572	-0.463101223
## 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
## 96	1.667150223	1.026465879	-0.25569282	-0.691383053	-0.307805804
## 97	-0.195276284	0.122778910	0.32878501	-0.913224768	0.286814002

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## 99	-0.350068022	-0.529417864	-1.01013325	0.299299326	-0.957068905
## 100	-0.701196936	-0.540239970	0.19171623	-0.732491780	0.245164614
## 101	-0.668591956	-0.601317708	-1.38175259	1.065283160	-1.349151933
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## 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
## 116	-0.668574769	-0.601314912	-1.37589364	1.078795186	-1.342060663
## 117	-0.281970451	-0.421328958	-1.32513001	-0.433181121	-0.744023541
## 118	2.649002249	0.836890695	-0.63940950	-0.535241951	-0.749848512
## 119	-0.100809057	0.569370535	0.08302152	-1.103725019	0.032183409
## 120	0.002188431	0.060719285	-0.20542023	-1.155675538	-0.441233099
## 121	0.323867958	0.328253679	-0.23444436	-1.111787194	-0.338544768
## 122	0.349097406	1.216082092	0.12148415	-1.371108693	-0.029102041
## 123	-0.582668920	-0.393272124	0.16271721	-1.139596228	0.033220085
## 124	0.435882464	-0.289013217	-0.92271212	-0.480595461	-1.070137504
## 125	-0.412745860	-0.507674581	-0.64152151	-0.348505764	-0.879662636
## 126	1.666766364	1.026403439	-0.38654274	-0.993151613	-0.466177483
## 127	-0.195660143	0.122716470	0.19793509	-1.214993329	0.128442323
## 128	1.666776431	1.026405077	-0.38311107	-0.985237427	-0.462024025
## 129	-0.350451881	-0.529480304	-1.14098317	-0.002469235	-1.115440584
## 130	-0.701580795	-0.540302411	0.06086632	-1.034260341	0.086792935
## 131	-0.668975815	-0.601380149	-1.51260250	0.763514600	-1.507523611
## 132	0.349080955	1.216079416	0.11587629	-1.384041631	-0.035889399
## 133	0.349125315	1.216086632	0.13099797	-1.349167738	-0.017587170
## 134	0.435892531	-0.289011579	-0.91928045	-0.472681275	-1.065984046
## 135	0.349149051	1.216090493	0.13908890	-1.330508275	-0.007794465
## 136	-0.657795944	-0.596960575	-1.79277197	1.039539535	-1.149292952
## 137	-0.669953093	-0.443006747	0.29572099	-1.133580160	0.255902822
## 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
## 110	-0.97479057	0.789418032	-0.89973747	-0.99034142
## 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
## 124	-0.78754188	-1.667227865	-0.80576676	-0.88610663
## 125	-1.18175416	-1.648715399	-0.76052402	-0.79480288
## 126	-0.61870728	-1.892549543	-0.41861290	-0.40521950
## 127	-0.61294710	-1.924062337	0.93500961	0.61860467
## 128	-0.61816582	-1.860568737	-0.41858403	-0.40482818
## 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
## 197	1.36558731	-0.911154815	0.22051369	0.86169043
##	Inv_diff_cooc.W.PET	Inv_diff_norm_cooc.W.PET	IDM_cooc.W.PET	
## 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
## 62	0.10827766	-0.5081137	0.2526087032
## 63	-0.07721437	-0.3349720	0.0266889489
## 64	-0.56406392	-0.3856619	-0.5447884030
## 65	-0.91921949	-0.5398721	-0.8950218391
## 66	-0.62313970	-0.4159203	-0.6064327195
## 67	-0.06828174	-0.5213921	0.0279816213
## 68	-0.78368716	-0.4495180	-0.7763938963
## 69	-0.30622181	-0.5765235	-0.2517456229
## 70	-0.95903296	-0.6131493	-0.9504350705
## 71	-0.75755251	-0.5947305	-0.7607202431
## 72	-0.35290763	-0.4578600	-0.2991654931
## 73	0.16766390	-0.4418163	0.3421868629
## 74	0.28690676	-0.5041111	0.4888243915
## 75	-0.39701102	-0.4036955	-0.3598100082
## 76	-0.20064837	-0.6791151	-0.1450244051
## 77	0.93220114	-0.5390405	1.3670337225
## 78	-0.86948557	-0.5901896	-0.8575494872
## 79	-0.36125698	-0.6063711	-0.3108247925

## 80	-0.14565083	-0.3872589	-0.0476750623
## 81	-0.70033946	-0.5992664	-0.6964804828
## 82	-0.44120379	-0.4548727	-0.4070127499
## 83	-0.79890885	-0.6034731	-0.7966575465
## 84	0.37649178	-0.5801562	0.6117393612
## 85	0.25104453	-0.6161468	0.4432273914
## 86	-0.79258686	-0.6217337	-0.7879269581
## 87	-0.14001091	-0.5215044	-0.0168276566
## 88	-0.57392791	-0.5919677	-0.5641178954
## 89	-0.52574157	-0.5856359	-0.5123302063
## 90	-0.75087303	-0.5724111	-0.7471572816
## 91	-0.75158331	-0.5825236	-0.7541558909
## 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
## 98	-0.60178417	-0.5522091	-0.5793572915
## 99	0.12380040	-0.4996952	0.2692720587
## 100	-0.89077524	-0.6532957	-0.8952743142
## 101	0.15917813	-0.6659694	0.3446106237
## 102	-1.06566007	-0.5493647	-1.0712393485
## 103	-1.04016514	-0.5355378	-1.0438710494
## 104	-0.14613063	-0.4976543	-0.0322134882
## 105	-1.02652395	-0.5281397	-1.0292274946
## 106	0.99468252	-0.4723629	1.4689478148
## 107	-0.96044412	-0.5312597	-0.9646342692
## 108	0.77529447	-0.4013893	1.1534751483
## 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
## 119	-1.01811345	-0.4685797	-0.9974358320
## 120	-0.97148408	-0.6920568	-0.9839789101
## 121	-0.97219436	-0.7021692	-0.9909775194
## 122	-1.27681636	-0.6638826	-1.2979114786
## 123	-1.22415664	-0.7825410	-1.2382819134
## 124	-0.37252743	-0.6204378	-0.2752460037
## 125	-0.48226849	-0.7806098	-0.4150111605
## 126	-0.82818097	-0.6749926	-0.8223898070
## 127	-1.30992213	-0.7769592	-1.3362624438
## 128	-0.82239523	-0.6718548	-0.8161789200
## 129	-0.09681065	-0.6193408	0.0324504303
## 130	-1.11138629	-0.7729413	-1.1320959427
## 131	-0.06143292	-0.7856150	0.1077889952
## 132	-1.28627112	-0.6690103	-1.3080609770
## 133	-1.26077620	-0.6551835	-1.2806926779

## 134	-0.36674168	-0.6172999	-0.2690351166
## 135	-1.24713500	-0.6477853	-1.2660491231
## 136	0.77407146	-0.5920085	1.2321261863
## 137	-1.18105517	-0.6509053	-1.2014558977
## 138	0.55468342	-0.5210350	0.9166535198
## 139	-0.01506226	-0.5769266	0.1495584731
## 140	-0.08384211	-0.7722244	0.0197004385
## 141	-1.23192272	-0.7443845	-1.2442150778
## 142	-1.21602367	-0.6986794	-1.2110903468
## 143	-1.26693825	-0.6585254	-1.2873075251
## 144	-0.87652725	-0.7560786	-0.8889523381
## 145	-0.05155481	-0.7802578	0.1183929487
## 146	-0.43846144	-0.6539564	-0.3723075249
## 147	-0.48572583	-0.6420735	-0.4270390735
## 148	0.54794749	1.4420716	0.1570064880
## 149	1.36106620	1.6476069	1.1022732013
## 150	0.84520324	1.5666510	0.5045131932
## 151	0.60062132	1.6099173	0.2247001075
## 152	2.92553253	1.8533923	3.0397265974
## 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	2.2288854
## 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
## 2	-0.060256385	0.46141786	-0.329526434
## 3	-0.338924299	0.24952395	-0.574743019
## 4	-0.209949839	0.17383066	-0.189025164
## 5	-0.338720446	0.71872775	-1.035066423
## 6	-0.339649290	0.44377187	-0.786735792
## 7	0.298459933	0.53876695	-0.334866367
## 8	-0.326913565	1.03905231	-1.093619280
## 9	-0.300477465	-1.10119922	0.311579828
## 10	-0.241877702	0.19765039	-0.267910701
## 11	-0.313604233	-0.13322392	-0.100932720
## 12	-0.339340855	0.21799296	-0.585093936
## 13	-0.077562265	0.86491043	-0.674593548
## 14	-0.325065005	0.70462988	-0.816516608
## 15	0.771597533	0.80310212	-0.537791123
## 16	-0.334380378	0.67574816	-0.769301514
## 17	-0.309711632	0.01468551	-0.181565340
## 18	0.016714696	0.07155009	-0.080738929
## 19	-0.185470792	0.82748956	-0.684301188
## 20	-0.126874337	0.20214468	-0.158454871
## 21	-0.288353464	0.67080444	-0.631157709
## 22	-0.334117327	1.02320403	-1.125611362
## 23	-0.242520841	1.02467059	-0.929243649
## 24	-0.243605901	1.13653108	-1.099993573
## 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	-0.4444440381	-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
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## 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
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## 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
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## 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
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## 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
## 12	-0.894959779	0.448263459	-0.881107221	-0.05818073	-0.85863197
## 13	0.572978003	-0.837545405	0.475256023	-0.34433728	0.87266351
## 14	-0.775606742	1.395824222	-0.719891079	-0.20296065	-1.08692895
## 15	1.826357463	-1.281708144	1.870584214	-0.36054820	1.07725475
## 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
## 20	-0.039736515	-0.468230901	-0.072783141	-0.32491824	-0.19957316
## 21	-0.576404080	-0.107830489	-0.573167157	-0.28090036	-0.64915260
## 22	-0.805568840	0.307578548	-0.769248676	-0.27967665	-1.06961624
## 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
## 27	-0.181411385	-0.193285252	-0.085399872	-0.24850816	-0.71678301
## 28	-0.642175311	-0.366985969	-0.641942577	-0.28538823	-0.49028023
## 29	-0.899379429	0.148666715	-0.877622029	-0.14770588	-0.99960079
## 30	0.427535059	-0.924231837	0.365620178	-0.34050799	0.47716826
## 31	-0.910505605	0.778013931	-0.905137992	0.70020818	-0.74399793
## 32	-0.461660133	-0.025131473	-0.478681098	-0.26506244	-0.37371900
## 33	0.010897674	-0.840097351	0.008364794	-0.34309799	-0.26044699
## 34	-0.193347619	-0.188500352	-0.171471076	-0.28686119	-0.47058545
## 35	0.102073169	-0.452290097	0.164990723	-0.32778495	-0.38673364
## 36	-0.895828806	0.915934232	-0.858996605	-0.05049987	-1.10569581
## 37	-0.847935991	0.495102309	-0.828014274	-0.10381631	-0.96067698
## 38	-0.317413468	-0.424032606	-0.262407450	-0.33015384	-0.72245476
## 39	-0.300021506	-0.739942313	-0.324141170	-0.31314521	-0.19785657
## 40	0.825588358	-0.892048956	0.849898672	-0.34154780	0.26510772
## 41	0.659919625	-0.533677695	0.730670303	-0.33345889	0.01154848
## 42	0.031928995	-0.567109966	-0.017684214	-0.32791866	0.06060400
## 43	-0.817743711	-0.018627554	-0.818169010	1.26139321	-0.54270102

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## 44 -0.910513400 0.768887178 -0.905146459 0.69998533 -0.74400248
## 45 -0.967589442 1.423860190 -0.931490753 7.94925454 -1.00787294
## 46 2.828924530 -0.714041829 2.967636445 -0.32478496 1.62601240
## 47 -0.946441364 0.810427195 -0.924595156 0.69505479 0.64591036
## 48 0.208654294 -0.638316362 0.179220709 -0.32655367 0.15925476
## 49 -0.295121926 -0.399461260 -0.283714694 -0.32727479 -0.48854611
## 50 -0.496569071 -0.293750422 -0.536565202 -0.28564505 -0.22160860
## 51 -0.377173012 -0.322601595 -0.369364772 -0.31786459 -0.62613059
## 52 0.082319499 -0.524143340 0.088279649 -0.33892492 -0.24292749
## 53 -0.891325453 0.781779824 -0.872625758 0.53221519 -0.91801190
## 54 0.439464753 -1.061079966 0.498820516 -0.35288313 -0.09392164
## 55 -0.696145026 0.143997007 -0.702647237 -0.13363905 -0.76979912
## 56 -0.870729247 0.420635094 -0.859785099 -0.08607402 -0.83731590
## 57 -0.533957434 -0.255320589 -0.522517963 -0.26143371 -0.58952873
## 58 1.227538250 -0.805167584 1.173291082 -0.34637687 1.06970954
## 59 -0.882082448 0.044860975 -0.877539764 0.25375595 -0.28427503
## 60 1.796887875 -0.851377309 1.703151158 -0.34557614 2.00839102
## 61 -0.503272054 -0.279165339 -0.531761344 -0.20555260 -0.10566497
## 62 -0.828644253 0.156499773 -0.825953302 0.08339386 -0.69016151
## 63 -0.779833486 0.401761323 -0.755006632 -0.15284521 -0.90018732
## 64 0.038667870 -0.504472086 0.049172727 -0.31733344 -0.21149389
## 65 0.623099792 -0.314352073 0.765878831 -0.31191004 -0.19158143
## 66 0.536942282 -0.812061384 0.437909378 -0.34566441 1.10527136
## 67 -0.757452617 -0.062799266 -0.747504646 -0.24482751 -0.67812391
## 68 0.812426281 -0.719579907 0.789722985 -0.33476763 0.57165606
## 69 -0.730566260 0.379724202 -0.712864850 -0.23326695 -0.85700291
## 70 0.105384278 -0.221259193 0.171111291 -0.32310366 -0.34434500
## 71 -0.253692966 -0.299323944 -0.229468969 -0.31359177 -0.54965560
## 72 -0.585160313 0.180220470 -0.550501848 -0.26642245 -0.83701720
## 73 -0.846477824 1.218818379 -0.812601351 -0.11498461 -0.98973706
## 74 -0.879023063 0.913710140 -0.865553308 -0.01653239 0.47313421
## 75 -0.100842762 -0.550637506 -0.109008144 -0.30341265 -0.17346076
## 76 -0.828586798 -0.073786814 -0.789380561 -0.19229927 -1.08138108
## 77 -0.937992001 0.477238684 -0.913929208 0.67576534 -0.82039217
## 78 0.103294956 -0.355466767 0.127176057 -0.33015557 -0.28177156
## 79 -0.730654815 0.276051376 -0.712961024 -0.23579832 -0.85705457
## 80 -0.598806149 -0.280237511 -0.604431063 -0.23376609 -0.51949498
## 81 -0.212890271 -0.569564443 -0.242243228 -0.32672221 -0.30194880
## 82 -0.292186669 -0.587188823 -0.289375699 -0.28818637 -0.26371841
## 83 -0.181394733 -0.173791216 -0.085381788 -0.24803218 -0.71677330
## 84 -0.899362778 0.168160750 -0.877603946 -0.14722990 -0.99959108
## 85 -0.910488953 0.797507966 -0.905119908 0.70068416 -0.74398822
## 86 -0.317396817 -0.404538571 -0.262389366 -0.32967785 -0.72244505
## 87 -0.754148457 0.592731984 -0.717341635 0.35509220 -0.93023535
## 88 -0.429904600 -0.303364526 -0.455754812 -0.28586032 -0.15607248
## 89 -0.444396689 -0.467087842 -0.443739012 -0.30073849 -0.34657647
## 90 0.088774476 -0.858031864 0.060762609 -0.33278300 0.04175655
## 91 -0.087680268 -0.923886261 -0.079929998 -0.33775941 -0.29641678
## 92 1.574694397 -1.181898682 1.596624695 -0.35555254 0.96480165
## 93 0.103079245 -0.608003136 0.126941787 -0.33632172 -0.28189739
## 94 -0.743536960 -0.016403462 -0.733371830 -0.16934561 -0.82284784
## 95 -0.800084275 0.082519908 -0.779904332 -0.14757044 -0.96949417
## 96 -0.346198792 -0.763432626 -0.345503003 -0.30960044 -0.49238698
## 97 0.281587639 -0.985717797 0.339805925 -0.34771071 -0.23821713

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## 98 -0.346189482 -0.752533688 -0.345492893 -0.30933432 -0.49238155
## 99 -0.828619276 0.185740826 -0.825926176 0.08410784 -0.69014694
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## 101 -0.910636772 0.624454096 -0.905280445 0.69645872 -0.74407445
## 102 1.574679183 -1.199709142 1.596608173 -0.35598741 0.96479278
## 103 1.574720206 -1.151682927 1.596652725 -0.35481476 0.96481671
## 104 -0.743527650 -0.005504524 -0.733361719 -0.16907949 -0.82284241
## 105 1.574742156 -1.125986244 1.596676563 -0.35418733 0.96482951
## 106 -0.942753200 1.071142199 -0.924948977 7.13292113 -0.20555790
## 107 1.202541641 -0.653822981 1.231406924 -0.34621547 0.77381230
## 108 -0.869594630 0.117112960 -0.865147488 0.29991207 0.19990845
## 109 -0.599905260 -0.888362811 -0.669666176 -0.32390179 0.49004905
## 110 -0.895735937 1.024657785 -0.858895746 -0.04784518 -1.10564163
## 111 0.825681227 -0.783325403 0.849999532 -0.33889311 0.26516189
## 112 0.660012494 -0.424954142 0.730771162 -0.33080420 0.01160266
## 113 1.574710291 -1.163290739 1.596641957 -0.35509819 0.96481092
## 114 -0.430036524 -0.457810453 -0.455898087 -0.28963141 -0.15614944
## 115 -0.828829000 -0.357336422 -0.789643600 -0.19922266 -1.08152237
## 116 -0.910620877 0.643062039 -0.905263183 0.69691307 -0.74406518
## 117 -0.566775952 -1.235985770 -0.866707279 0.06547784 3.39595618
## 118 -0.485689502 -0.692128761 -0.522384865 -0.29867661 -0.27246735
## 119 2.828708062 -0.967464291 2.967401353 -0.33097275 1.62588612
## 120 0.088419499 -1.273609259 0.060377092 -0.34293010 0.04154947
## 121 -0.088035245 -1.339463655 -0.080315515 -0.34790651 -0.29662385
## 122 1.574339420 -1.597476077 1.596239178 -0.36569964 0.96459458
## 123 0.102724268 -1.023580531 0.126556270 -0.34646882 -0.28210447
## 124 -0.743891937 -0.431980856 -0.733757347 -0.17949271 -0.82305491
## 125 -0.800439252 -0.333057487 -0.780289849 -0.15771755 -0.96970124
## 126 -0.346553768 -1.179010021 -0.345888520 -0.31974754 -0.49259405
## 127 0.281232662 -1.401295191 0.339420408 -0.35785781 -0.23842420
## 128 -0.346544459 -1.168111082 -0.345878410 -0.31948142 -0.49258862
## 129 -0.828974252 -0.229836568 -0.826311694 0.07396074 -0.69035401
## 130 -0.181897529 -0.762422481 -0.085927841 -0.26240472 -0.71706661
## 131 -0.910991749 0.208876702 -0.905665962 0.68631162 -0.74428152
## 132 1.574324207 -1.615286536 1.596222656 -0.36613452 0.96458570
## 133 1.574365230 -1.567260321 1.596267208 -0.36496187 0.96460963
## 134 -0.743882627 -0.421081918 -0.733747236 -0.17922660 -0.82304948
## 135 1.574387179 -1.541563638 1.596291046 -0.36433443 0.96462244
## 136 -0.943108177 0.655564805 -0.925334494 7.12277402 -0.20576498
## 137 1.202186664 -1.069400375 1.231021407 -0.35636257 0.77360523
## 138 -0.869949607 -0.298464434 -0.865533005 0.28976497 0.19970137
## 139 -0.600260237 -1.303940206 -0.670051693 -0.33404890 0.48984197
## 140 -0.896090914 0.609080391 -0.859281263 -0.05799229 -1.10584871
## 141 0.825326250 -1.198902798 0.849614014 -0.34904022 0.26495482
## 142 0.659657517 -0.840531537 0.730385645 -0.34095131 0.01139558
## 143 1.574355314 -1.578868134 1.596256440 -0.36524529 0.96460385
## 144 -0.430391501 -0.873387848 -0.456283604 -0.29977852 -0.15635652
## 145 -0.910975854 0.227484645 -0.905648700 0.68676597 -0.74427225
## 146 -0.567130929 -1.651563164 -0.867092796 0.05533074 3.39574910
## 147 -0.486044479 -1.107706155 -0.522770382 -0.30882372 -0.27267443
## 148 0.413059757 0.616736230 0.393541871 -0.28913812 0.25734074
## 149 0.010165468 0.828157907 -0.112159144 -0.20587864 0.79121577
## 150 0.248957584 0.770455562 0.222241716 -0.27031773 -0.01782821
## 151 1.167942608 0.367372072 1.137530557 -0.31243838 0.74857798

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## 152	-0.779347297	2.979218400	-0.784280257	1.42984184	-0.60159084
## 153	1.882233115	-0.706501181	1.958612292	-0.34035481	1.04658969
## 154	-0.388986443	1.703652766	-0.444323214	0.09813334	-0.30516528
## 155	-0.738154884	2.256928938	-0.758598938	0.19326342	-0.44019884
## 156	-0.064611259	0.905017573	-0.084064667	-0.15745597	0.05537551
## 157	3.458380108	-0.194676417	3.307553424	-0.32734229	3.37385203
## 158	-0.760861287	1.505380702	-0.794108268	0.87292335	0.66588291
## 159	4.597079358	-0.287095867	4.367273576	-0.32574082	5.25121500
## 160	-0.003240498	0.857328073	-0.102551428	-0.04569374	1.02310302
## 161	-0.653984897	1.728658297	-0.690935345	0.53219918	-0.14589005
## 162	-0.556363363	2.219181397	-0.549042004	0.05972104	-0.56594168
## 163	1.080639348	0.406714580	1.059316713	-0.26925542	0.81144518
## 164	2.249503192	0.786954604	2.492728922	-0.25840862	0.85127011
## 165	2.077188174	-0.208464017	1.836790016	-0.32591737	3.44497569
## 166	-0.511601625	1.290060218	-0.534038033	-0.12424357	-0.12181486
## 167	2.628156171	-0.023501063	2.540417229	-0.30412381	2.37774508
## 168	-0.457828912	2.175107155	-0.464758441	-0.10112246	-0.47957286
## 169	1.214072164	0.973140366	1.303193842	-0.28079586	0.54574297
## 170	0.495917678	0.817010863	0.502033322	-0.26177209	0.13512177
## 171	-0.167017016	1.776099690	-0.140032437	-0.16743345	-0.43960143
## 172	-0.689652039	3.853295510	-0.664231443	0.13544223	-0.74504116
## 173	-0.754742517	3.243079032	-0.770135357	0.33234667	2.18070138
## 174	0.801618086	0.314383739	0.742954971	-0.24141385	0.88751145
## 175	-0.653869987	1.268085124	-0.617789862	-0.01918708	-0.92832920
## 176	-0.872680393	2.370136119	-0.866887157	1.71694213	-0.40635138
## 177	1.209893520	0.704725218	1.215323373	-0.29489968	0.67088985
## 178	-0.458006022	1.967761504	-0.464950789	-0.10618519	-0.47967618
## 179	-0.194308690	0.855183729	-0.247890867	-0.10212072	0.19544300
## 180	0.577523068	0.276529866	0.476484804	-0.28803297	0.63053537
## 181	0.418930270	0.241281106	0.382219862	-0.21096128	0.70699615
## 182	0.640514142	1.068076319	0.790207684	-0.13065291	-0.19911364
## 183	-0.795421947	1.751980252	-0.794236632	0.07095165	-0.76474919
## 184	-0.817674297	3.010674684	-0.849268557	1.76677977	-0.25354348
## 185	0.368509976	0.606581610	0.436192527	-0.29394425	-0.21045714
## 186	-0.504993305	2.601122719	-0.473712010	1.07559585	-0.62603773
## 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
## 190	0.827943072	-0.432113770	0.801111264	-0.31010736	0.64159941
## 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
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## 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
## 25	-0.7290564605	-0.61802427	-0.513100608	0.142620301	-0.742757470
## 26	0.0222303244	-0.47289448	-1.040124806	0.499200842	-0.965606668
## 27	-0.7699546825	-0.59543129	-0.121219688	-0.449519301	-0.067764514
## 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	0.061111932		-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
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## 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
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## 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
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## 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
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## 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

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## 80 -0.348231376 -0.019277064 0.309051625 -0.0016971338 0.24471506
## 81 -0.459638751 0.004374965 -0.210284269 0.0134923574 -0.26659781
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## 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
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## 90 0.425365507 -0.666566333 -0.346681059 -0.6593421447 -0.45912696
## 91 -0.487659544 -0.662322784 -0.532218978 -0.6544788427 -0.56400324
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## 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
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## 134 -0.674959796 -2.175427653 0.032882876 -2.1843537381 0.04835137
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## 167 0.749005306 2.101872468 1.138352908 1.9566813031 1.21993153
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## 169 0.502039581 1.305137900 3.563840011 1.3404409799 3.67843082
## 170 0.469088773 1.257504884 1.224607493 1.2903423071 1.34188402
## 171 1.303070325 1.327967537 1.095734330 1.3259176944 1.06835533
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## 177 0.598686879 1.173489191 1.689564749 1.2050679705 1.81784610
## 178 1.803187284 0.288001945 0.981090564 0.2978289736 0.99147974
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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
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## 188	0.724577399	0.530904011	2.503954721	0.4591173868	2.58429320
## 189	2.971756760	-1.100724171	1.298594430	-1.1048672432	1.11412157
## 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
##	LZLGE.L.ADC	LZHGE.L.ADC	GLNU_area.L.ADC	ZSNU.L.ADC	ZSP.L.ADC
## 1	-0.069331476	-0.7225259470	-0.63841524	-0.66683953	-0.4462596
## 2	-0.173528216	-0.0813459738	-0.54604289	-0.56907484	-0.4875722
## 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
## 27	-0.113752191	-0.2696741683	-0.59438661	-0.54738424	-0.4781169
## 28	-0.052056753	-0.6675481876	-0.58691682	-0.56041337	-0.5199392
## 29	-0.150769455	-0.4286059090	-0.60193041	-0.57172948	-0.4384864
## 30	-0.004619816	-0.9857506459	-0.34931669	-0.44122558	-0.7020866
## 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
## 46	0.204870473	-0.3363448296	-0.55522838	-0.55615554	-0.5172122
## 47	0.382279134	-0.3540079619	-0.60815590	-0.59661860	-0.3654695
## 48	0.297824934	-0.8733293774	-0.43295257	-0.34185111	-0.4307387
## 49	0.477975615	-0.6696462023	-0.67007950	-0.69828376	-0.3645520
## 50	0.157159334	-0.3279661278	0.03381053	0.16432864	-0.4956512
## 51	0.206789887	-0.7769385861	0.13899068	0.11582299	-0.5539374
## 52	0.252033209	-0.5485274604	0.31350915	0.35951618	-0.5561801
## 53	1.025831109	-0.5589784254	0.72301676	1.13472978	-0.5623477
## 54	0.323599917	-0.8455506724	-0.56526084	-0.52245655	-0.3650872
## 55	0.497718155	-0.8114237343	-0.66816963	-0.70019176	-0.4116753
## 56	0.445893987	-0.3712040293	-0.66346124	-0.68821711	-0.3924845
## 57	0.158804546	0.5250990005	-0.46575746	-0.40934359	-0.4937907
## 58	0.238597313	-0.6051844547	-0.27990091	-0.14302754	-0.5518730
## 59	0.606027925	-0.9731334785	-0.66994075	-0.70234751	-0.2719874
## 60	0.599995482	-0.8797125660	2.68914574	1.53927109	-0.7889424
## 61	2.335419618	-0.9339714665	0.45844141	0.86548145	-0.4572695
## 62	0.201305848	-0.7018332189	-0.26522643	-0.28874402	-0.5273811
## 63	0.299195944	-0.3879586918	-0.29981619	-0.28377439	-0.7294329
## 64	0.197741223	0.4739195669	0.14028230	-0.18752008	-0.8189393
## 65	0.380359721	-0.8805761336	-0.56934417	-0.53181084	-0.3977855
## 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
## 2	-0.6241406	-1.701317409	-0.65856794
## 3	-0.2874587	1.067184931	-0.06008993
## 4	-0.3859861	-0.054948613	-0.37044251
## 5	-0.6923536	-0.737864941	-0.72042827
## 6	-0.2260366	-0.590745568	-0.18983207
## 7	-0.6449972	-0.733494664	-0.66905866
## 8	-0.6688172	-1.479899302	-0.60644307
## 9	-0.9478590	-0.227500762	-0.97951799
## 10	-0.5204221	0.895255708	-0.45181763
## 11	-0.6251672	-1.398690854	-0.65714200
## 12	-0.4824372	0.255622420	-0.48417860
## 13	-0.5978274	1.330383871	-0.48623767
## 14	-0.4054936	0.490679289	-0.35669216
## 15	-0.1850657	1.539984152	-0.01515973
## 16	-0.7341558	-0.179241382	-0.69801581
## 17	-0.8558042	-1.430678440	-0.97630142
## 18	-0.7229479	0.120676254	-0.71955589
## 19	-0.5608984	0.516930435	-0.63431468
## 20	-0.3119940	0.179880125	-0.17141063
## 21	-0.4379423	0.771319348	-0.35237532
## 22	-0.3562765	0.513664076	-0.43337769
## 23	-0.6335621	0.370857325	-0.60530215
## 24	-0.3724339	0.133767512	-0.33624067
## 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	-0.19073499
## 2	-0.849230344	-0.358162227	0.0018008821	-0.31837742
## 3	5.445020127	3.594143540	-0.0931255749	-0.27565564
## 4	-0.006023108	0.089083006	0.5413180476	-0.47600876
## 5	-0.210118336	-0.222713789	-0.0752729986	-0.28370846
## 6	-1.349842393	2.399696245	-1.2081113006	-0.12453453
## 7	-0.873622832	-0.103189251	-0.8609094734	-0.16566144
## 8	-1.349933101	-0.234695460	0.0349204891	-0.32554129
## 9	-0.853151522	-0.398988337	-0.7204281668	-0.20103633
## 10	4.128564454	2.725959329	-0.5683734659	-0.19144092
## 11	-0.588732428	-0.240757246	0.1757711594	-0.35471969
## 12	0.321353289	-0.095827806	0.6601300203	-0.54845799
## 13	0.654099917	-0.107024210	0.8741146925	-0.77689140
## 14	0.141354729	-0.190647839	0.1921462810	-0.35947817
## 15	0.967616261	0.019799150	0.6734271116	-0.58234258
## 16	-0.701315002	-0.285150259	0.5591706238	-0.51407663
## 17	-0.471413512	-0.549037856	0.2411485247	-0.39958540
## 18	-0.058906025	-0.238286768	1.0186589993	-0.82486843
## 19	0.884992743	0.110045181	0.6286109892	-0.54317660
## 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
## 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
## 100	-0.4343848	-0.602283711	-0.39295603	-0.596245809	-0.41310848	-0.6293121535
## 101	-0.6197145	-0.580861761	-1.04507946	-0.575029466	-1.04315974	-0.6087275774
## 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
## 115	-0.6238747	-0.411377341	-0.48488039	-0.404087348	-0.48097546	-0.4575470216

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## 116 -0.6157107 -0.508652939 -1.04507920 -0.502347051 -1.04315948 -0.5437236529
## 117 -0.6103417 -0.503839018 0.28129571 -0.496947786 0.27796451 -0.5412473129
## 118 -0.6663572 -0.457075209 0.41610007 -0.449877269 0.42358589 -0.4991495333
## 119 -0.6540025 -0.508996791 0.03361749 -0.502485494 0.04836207 -0.5458904504
## 120 -0.3237152 -2.228667074 -0.61789899 -2.233469126 -0.64354504 -2.0924885851
## 121 -0.6640102 -2.233893617 -0.39792568 -2.238522284 -0.40049246 -2.0983079841
## 122 -0.7558447 -2.167152035 -1.00973827 -2.171516020 -1.00787522 -2.0376067003
## 123 -0.7431182 -2.018780099 -0.69502134 -2.021963298 -0.69320083 -1.9047820146
## 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
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## 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
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## 140 -0.6119451 -1.196631085 0.39393061 -1.194456696 0.38856525 -1.1646659030
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## 148 1.9683343 1.776928196 -1.06510521 1.793240504 -1.06445710 1.5413546105
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## 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
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## 163 2.4949714 1.003949952 0.20532747 1.020038050 0.14667867 0.8201205912
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## 167 1.4589328 1.848449315 1.99219718 1.737171213 2.03080667 2.4340751734
## 168 1.7859503 1.108480817 0.92305835 1.125254499 0.92940346 0.9117451705
## 169 1.2119918 1.402817729 3.20872797 1.422214081 3.28266895 1.1748562934

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## 170	1.5823270	1.345119442	-0.34745529	1.363652820	-0.34917968	1.1246485003
## 171	1.5449541	1.362518329	4.08696790	1.352923511	4.11955287	1.3084548354
## 172	1.5300255	1.358598422	-0.55481006	1.377012540	-0.55217051	1.1376492852
## 173	2.5305826	1.236599898	0.24148438	1.254144648	0.17818706	1.0290617771
## 174	1.6305636	1.270709970	0.41429990	1.288893765	0.40950974	1.0571063274
## 175	1.6071202	1.500402794	0.49489364	1.520023845	0.50161665	1.2642521667
## 176	1.7622438	1.767300353	-1.02981434	1.782165089	-1.02532515	1.5284157341
## 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
## 194	1.4596306	-0.597022783	2.23245854	-0.745244760	2.25270766	0.6689400354
## 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
## 197	1.7830904	-1.121121288	1.15241211	-1.118763153	1.14166008	-1.0950807495
##	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	
## 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	
## 13	-1.02492442	0.29214617	-0.07112822	-0.6293876	0.067112062	
## 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

Split into train and test

```
#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 2

Train Model

```
Train_Features <- data.matrix(data_train[,-1])
Train_Labels <- data_train$Failure.binary
Test_Features <- data.matrix(data_test[,-1])
Test_Labels <- data_test$Failure.binary
to_categorical(as.numeric(Train_Labels))[,c(-1)] -> Train_Labels
```

```
## Loaded Tensorflow version 2.9.2
```

```
to_categorical(as.numeric(Test_Labels))[,c(-1)] -> Test_Labels
```

```
as.matrix(apply(Train_Features, 2, function(x) (x-min(x))/(max(x) - min(x)))) -> Train_Features
as.matrix(apply(Test_Features, 2, function(x) (x-min(x))/(max(x) - min(x)))) -> Test_Features
```

```
model <- keras_model_sequential() %>%
```

```
  layer_dense(units = 256, activation = "sigmoid", input_shape = ncol(Train_Features)) %>%
  layer_dropout(rate = 0.2) %>%
  layer_dense(units = 128, activation = "sigmoid") %>%
  layer_dropout(rate = 0.2) %>%
  layer_dense(units = 128, activation = "sigmoid") %>%
  layer_dropout(rate = 0.2) %>%
  layer_dense(units = 64, activation = "sigmoid") %>%
  layer_dropout(rate = 0.2) %>%
  layer_dense(units = 64, activation = "sigmoid") %>%
  layer_dropout(rate = 0.2) %>%
  layer_dense(units = 2, activation = "softmax") %>%
```

```
  compile(
    loss = "categorical_crossentropy",
    optimizer = optimizer_rmsprop(),
    metrics = c("accuracy")
  )
```

```
model %>% compile(
  loss = "categorical_crossentropy",
  optimizer = optimizer_adam(),
  metrics = c("accuracy")
)
```

```
history <- model %>% fit(Train_Features, Train_Labels, validation_split = 0.15, epochs=10, batch_size = 128)
```

Evaluate the trained model using testing dataset

```
model %>%
  evaluate(Test_Features, Test_Labels)
```

```
##      loss  accuracy
## 0.6431454 0.6578947
```

Model prediction

```
model %>%  
  predict(Test_Features)
```

```
##           [,1]      [,2]  
## [1,] 0.6768897 0.3231104  
## [2,] 0.6767799 0.3232201  
## [3,] 0.6768311 0.3231690  
## [4,] 0.6769969 0.3230031  
## [5,] 0.6770965 0.3229035  
## [6,] 0.6766466 0.3233534  
## [7,] 0.6769486 0.3230514  
## [8,] 0.6771594 0.3228407  
## [9,] 0.6766446 0.3233555  
## [10,] 0.6770957 0.3229043  
## [11,] 0.6772318 0.3227682  
## [12,] 0.6767595 0.3232405  
## [13,] 0.6769071 0.3230929  
## [14,] 0.6770008 0.3229993  
## [15,] 0.6769789 0.3230211  
## [16,] 0.6768565 0.3231435  
## [17,] 0.6767638 0.3232362  
## [18,] 0.6769288 0.3230713  
## [19,] 0.6766174 0.3233825  
## [20,] 0.6766177 0.3233823  
## [21,] 0.6769817 0.3230183  
## [22,] 0.6769130 0.3230870  
## [23,] 0.6767120 0.3232881  
## [24,] 0.6762151 0.3237849  
## [25,] 0.6762530 0.3237471  
## [26,] 0.6765144 0.3234856  
## [27,] 0.6767494 0.3232506  
## [28,] 0.6763007 0.3236993  
## [29,] 0.6776107 0.3223893  
## [30,] 0.6772277 0.3227723  
## [31,] 0.6774443 0.3225557  
## [32,] 0.6769621 0.3230379  
## [33,] 0.6771838 0.3228162  
## [34,] 0.6768103 0.3231897  
## [35,] 0.6773053 0.3226947  
## [36,] 0.6773068 0.3226932  
## [37,] 0.6771799 0.3228200  
## [38,] 0.6766566 0.3233434
```