

model2

Yuhe

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```
#model1
library(readr)
df = read.csv(file = "C:/Users/liuyu/Downloads/radiomics_completedata (2).csv")
df$Failure.binary = as.factor(df$Failure.binary)
df$Institution = as.factor(df$Institution)
head(df)
```

	Institution	Failure.binary	Failure	Entropy_cooc.W.ADC	GLNU_align.H.PET
## 1	A	0	49.30000	12.85352	46.25635
## 2	A	1	12.56667	12.21115	27.45454
## 3	A	0	79.80000	12.75682	90.19570
## 4	A	1	17.86667	13.46730	325.64333
## 5	A	0	39.56667	12.63733	89.57904
## 6	A	1	4.76667	13.16159	101.71345
	Min_hist.PET	Max_hist.PET	Mean_hist.PET	Variance_hist.PET	
## 1	6.249117	17.825541	9.783773	6.814365	
## 2	11.005214	26.469077	15.426640	12.932074	
## 3	2.777718	6.877486	4.295330	0.923425	
## 4	6.296588	22.029843	10.334779	6.649795	
## 5	3.583846	7.922501	4.454175	0.572094	
## 6	2.597947	6.206142	3.769041	0.615282	
	Standard_Deviation_hist.PET	Skewness_hist.PET	Kurtosis_hist.PET		
## 1	2.612479	0.688533	-0.339727		
## 2	3.598298	0.789526	-0.319613		
## 3	0.962163	0.248637	-0.944246		
## 4	2.580759	0.832011	0.855861		
## 5	0.757225	1.574845	3.250288		
## 6	0.785315	0.610611	-0.090239		
	Energy_hist.PET	Entropy_hist.PET	AUC_hist.PET	H_suv.PET	Volume.PET
## 1	0.005095	9.629587	0.506553	1.123930	13751.970
## 2	0.006297	8.072951	0.507519	1.927281	9327.705
## 3	0.005015	9.669316	0.503300	0.410573	26624.003
## 4	0.003289	10.574730	0.544274	0.919612	51058.073
## 5	0.008066	7.621834	0.543922	0.306344	29414.553
## 6	0.005237	10.589120	0.507322	0.388752	14240.032
	X3D_surface.PET	ratio_3ds_vol.PET	ratio_3ds_vol_norm.PET	irregularity.PET	
## 1	5622.519	3.214263	15.91400	2.212137	
## 2	8356.832	4.848032	21.09429	2.348324	
## 3	16832.003	3.163721	19.52154	2.121251	
## 4	29100.294	2.027384	20.12864	1.859572	
## 5	7769.379	4.815431	21.01721	2.219725	
## 6	9563.905	3.699578	18.53249	2.136984	

##	tumor_length.PET	Compactness_v1.PET	Compactness_v2.PET	
## 1	44.04796	0.003366	0.002778	
## 2	39.39796	0.003078	0.002637	
## 3	50.91422	0.003145	0.002664	
## 4	76.23900	0.003118	0.002653	
## 5	36.93490	0.003081	0.002638	
## 6	46.00253	0.003195	0.002687	
##	Spherical_disproportion.PET	Sphericity.PET	Asphericity.PET	Center_of_mass.PET
## 1	15.91400	0.065378	14.91400	0.811086
## 2	21.09429	0.049942	20.09429	0.587732
## 3	19.52154	0.053762	18.52154	0.393189
## 4	20.12864	0.052217	19.12864	0.866799
## 5	21.01721	0.050116	20.01721	0.525997
## 6	18.53249	0.056497	17.53249	0.308017
##	Max_3D_diam.PET	Major_axis_length.PET	Minor_axis_length.PET	
## 1	44.04796	34.60475	25.88546	
## 2	39.39796	35.13100	27.30539	
## 3	50.91422	48.12896	30.37293	
## 4	76.23900	64.12797	54.46594	
## 5	36.93490	35.99413	23.84296	
## 6	46.00253	42.95117	31.60120	
##	Least_axis_length.PET	Elongation.PET	Flatness.PET	Max_cooc.L.PET
## 1	24.98484	0.750543	0.724516	0.005020
## 2	21.15130	0.779759	0.604571	0.008190
## 3	27.52209	0.633585	0.574348	0.005033
## 4	51.56490	0.851856	0.806616	0.005971
## 5	21.38912	0.664919	0.596741	0.007553
## 6	15.99647	0.738262	0.374927	0.005396
##	Average_cooc.L.PET	Variance_cooc.L.PET	Entropy_cooc.L.PET	DAVE_cooc.L.PET
## 1	22.87750	205.6627	10.688721	11.857838
## 2	21.90654	226.6299	10.291026	13.993568
## 3	27.25065	208.9461	10.878250	12.281559
## 4	17.81061	102.6657	10.238635	7.473982
## 5	15.35938	142.2193	9.829042	10.237690
## 6	23.34637	181.6257	10.702694	11.660805
##	DVAR_cooc.L.PET	DENT_cooc.L.PET	SAVE_cooc.L.PET	SVAR_cooc.L.PET
## 1	84.21646	4.997454	45.75246	587.8808
## 2	129.35103	5.205762	43.81055	581.4143
## 3	85.30680	5.004455	54.49878	599.6980
## 4	43.94774	4.379716	35.61869	310.8875
## 5	79.40248	4.799453	30.71623	384.7110
## 6	87.31571	4.964671	46.69022	503.2667
##	SENT_cooc.L.PET	ASM_cooc.L.PET	Contrast_cooc.L.PET	Dissimilarity_cooc.L.PET
## 1	6.530649	0.003302	234.76478	11.857838
## 2	6.489125	0.003596	325.10017	13.993568
## 3	6.587702	0.003198	236.08136	12.281559
## 4	6.108770	0.003680	99.77033	7.473982
## 5	6.049095	0.004001	184.16098	10.237690
## 6	6.460137	0.003268	223.23109	11.660805
##	Inv_diff_cooc.L.PET	Inv_diff_norm_cooc.L.PET	IDM_cooc.L.PET	
## 1	0.165784	0.858670	0.088949	
## 2	0.156018	0.839093	0.085385	
## 3	0.154252	0.852986	0.079027	
## 4	0.228938	0.904866	0.141631	

## 5	0.188717	0.875632	0.108336	
## 6	0.166582	0.860102	0.090157	
##	IDM_norm_cooc.L.PET	Inv_var_cooc.L.PET	Correlation_cooc.L.PET	
## 1	0.953919	0.091308	0.431777	
## 2	0.937653	0.087501	0.285278	
## 3	0.952616	0.084629	0.437596	
## 4	0.980381	0.149832	0.516631	
## 5	0.963872	0.114365	0.355073	
## 6	0.955880	0.093295	0.387992	
##	Autocorrelation_cooc.L.PET	Tendency_cooc.L.PET	Shade_cooc.L.PET	
## 1	611.5456	587.8808	6860.4448	
## 2	543.8667	581.4143	4691.7137	
## 3	833.3669	599.6980	403.0883	
## 4	369.9095	310.8875	3805.6356	
## 5	285.9728	384.7110	9785.4495	
## 6	614.9464	503.2667	4106.7640	
##	Prominence_cooc.L.PET	IC1_.L.PET	IC2_.L.PET	Coarseness_vdif_.L.PET
## 1	869822.0	-0.083966	0.789572	0.014320
## 2	803734.5	-0.096731	0.814047	0.014196
## 3	800129.8	-0.072366	0.758160	0.016269
## 4	345452.5	-0.050269	0.655209	0.004936
## 5	743501.3	-0.070677	0.727840	0.017239
## 6	708597.7	-0.073872	0.759220	0.016045
##	Contrast_vdif_.L.PET	Busyness_vdif_.L.PET	Complexity_vdif_.L.PET	
## 1	1.021460	0.087378	17053.35	
## 2	1.510199	0.080209	21289.19	
## 3	1.014169	0.057518	15199.89	
## 4	0.306364	0.392674	10762.05	
## 5	0.854170	0.081956	16796.63	
## 6	0.895212	0.069338	15170.83	
##	Strength_vdif_.L.PET	SRE_align.L.PET	LRE_align.L.PET	GLNU_align.L.PET
## 1	27.40494	0.986583	1.070671	10.162131
## 2	35.76496	0.989835	1.057129	8.416510
## 3	24.45341	0.989308	1.057095	9.117958
## 4	5.55092	0.973462	1.129413	94.565775
## 5	57.03783	0.986186	1.069172	10.574675
## 6	26.08534	0.985853	1.070890	10.057347
##	RLNU_align.L.PET	RP_align.L.PET	LGRE_align.L.PET	HGRE_align.L.PET
## 1	383.8912	0.981089	0.063695	590.1484
## 2	263.3486	0.985313	0.065825	560.1103
## 3	394.6779	0.984963	0.039224	781.3663
## 4	2941.3190	0.963661	0.048051	386.6793
## 5	262.4745	0.981101	0.091713	295.6003
## 6	397.9059	0.980630	0.048144	627.3399
##	LGSRE_align.L.PET	HGSRE_align.L.PET	LGHRE_align.L.PET	HGLRE_align.L.PET
## 1	0.062491	580.5855	0.068738	631.5734
## 2	0.064212	554.5346	0.072438	583.5148
## 3	0.038778	768.0350	0.041011	836.1597
## 4	0.046564	376.9558	0.054360	428.3121
## 5	0.090222	292.3243	0.097821	308.7154
## 6	0.047408	618.2607	0.051089	665.2563
##	GLNU_norm_align.L.PET	RLNU_norm_align.L.PET	GLVAR_align.L.PET	
## 1	0.027914	0.961445	201.5094	
## 2	0.033437	0.969710	214.6379	

## 3	0.024834	0.968128	216.6109
## 4	0.032318	0.928789	107.6866
## 5	0.041113	0.960224	121.3562
## 6	0.026718	0.959459	187.2442
##	RLVAR_align.L.PET	Entropy_align.L.PET	SZSE.L.PET LZSE.L.PET LGLZE.L.PET
## 1	0.025908	5.586143	0.926936 1.384001 0.062262
## 2	0.021453	5.385714	0.961338 1.244838 0.064793
## 3	0.020843	5.702830	0.974475 1.114749 0.040452
## 4	0.046375	5.480351	0.905696 1.617562 0.047964
## 5	0.024509	5.053054	0.966013 1.148597 0.093268
## 6	0.025153	5.622598	0.936782 1.322943 0.046110
##	HGLZE.L.PET	SZLGE.L.PET	SZHGE.L.PET LZLGE.L.PET LZHGE.L.PET GLNU_area.L.PET
## 1	592.5775	0.056127	553.5787 0.089951 831.7709 9.166018
## 2	566.7718	0.060570	546.1829 0.086532 650.3679 7.817915
## 3	769.6933	0.040391	735.9377 0.040694 904.7157 8.877842
## 4	393.5484	0.043346	360.6300 0.076789 591.1260 83.352565
## 5	300.9426	0.091138	295.8022 0.101787 321.5044 10.245976
## 6	617.0878	0.041385	567.5274 0.065899 836.6098 9.390127
##	ZSNU.L.PET	ZSP.L.PET	GLNU_norm.L.PET ZSNU_norm.L.PET GLVAR_area.L.PET
## 1	301.1987	0.899841	0.027499 0.823228 201.7881
## 2	233.4102	0.941158	0.032589 0.900252 213.9100
## 3	372.1247	0.966472	0.024663 0.930516 216.4466
## 4	2206.3053	0.860538	0.031941 0.781042 109.9100
## 5	242.2684	0.956101	0.040895 0.909893 123.6639
## 6	325.9069	0.913118	0.026787 0.844660 184.6198
##	ZSVAR.L.PET	Entropy_area.L.PET	Max_cooc.H.PET Average_cooc.H.PET
## 1	0.142022	5.886187	0.031232 39.87474
## 2	0.109793	5.546278	0.043568 39.22729
## 3	0.038537	5.775912	0.169447 44.90994
## 4	0.259194	5.901957	0.040212 38.15816
## 5	0.048849	5.156114	0.423535 49.45276
## 6	0.116919	5.851581	0.217884 46.26425
##	Variance_cooc.H.PET	Entropy_cooc.H.PET	DAVE_cooc.H.PET DVAR_cooc.H.PET
## 1	255.25108	6.344137	13.397288 131.6433
## 2	259.22064	7.168339	14.938851 146.5065
## 3	226.94291	3.662030	11.817845 143.8888
## 4	276.46636	6.205163	12.489582 129.5153
## 5	65.47745	2.835302	6.261891 56.9727
## 6	174.57711	3.122212	10.059360 134.1508
##	DENT_cooc.H.PET	SAVE_cooc.H.PET	SVAR_cooc.H.PET SENT_cooc.H.PET
## 1	4.528843	79.74696	769.9364 5.285948
## 2	2.880112	75.45206	667.2773 5.693972
## 3	4.354173	89.81735	824.2760 3.057425
## 4	4.257568	76.31379	820.4186 5.186241
## 5	3.891832	98.90299	765.7524 2.360339
## 6	1.916625	92.52596	463.0127 2.599031
##	ASM_cooc.H.PET	Contrast_cooc.H.PET	Dissimilarity_cooc.H.PET
## 1	0.017558	311.0628	13.397288
## 2	0.012079	369.6002	14.938851
## 3	0.096088	283.4905	11.817845
## 4	0.020168	285.4418	12.489582
## 5	0.233933	96.1523	6.261891
## 6	0.146959	235.2907	10.059360
##	Inv_diff_cooc.H.PET	Inv_diff_norm_cooc.H.PET	IDM_cooc.H.PET

## 1	0.240428	0.846191	0.181276	
## 2	0.198536	0.831014	0.137656	
## 3	0.439712	0.866805	0.405377	
## 4	0.279879	0.856139	0.224079	
## 5	0.576561	0.923498	0.543300	
## 6	0.516123	0.886644	0.485744	
##	IDM_norm_cooc.H.PET	Inv_var_cooc_.H.PET	Correlation_cooc.H.PET	
## 1	0.940222	0.030684	0.393202	
## 2	0.929828	0.032006	0.289621	
## 3	0.944553	0.011773	0.377943	
## 4	0.945253	0.032706	0.486297	
## 5	0.980482	0.021087	0.268281	
## 6	0.953100	0.009811	0.328640	
##	Autocorrelation_cooc.H.PET	Tendency_cooc.H.PET	Shade_cooc.H.PET	
## 1	1689.514	709.9364	-2209.927	
## 2	1613.004	667.2773	-4195.799	
## 3	2101.874	624.2760	-4303.802	
## 4	1589.599	820.4186	-5395.462	
## 5	2462.728	165.7524	1099.232	
## 6	2197.079	463.0127	-2285.992	
##	Prominence_cooc.H.PET	IC1_d.H.PET	IC2_d.H.PET	Coarseness_vdif.H.PET
## 1	1028531.31	-0.043805	0.512217	0.004319
## 2	957339.84	-0.023569	0.418010	0.005180
## 3	729696.02	-0.063791	0.473698	0.003375
## 4	1434052.83	-0.069422	0.611279	0.002825
## 5	55971.88	-0.044636	0.360145	0.003902
## 6	381561.77	-0.056410	0.417972	0.003199
##	Contrast_vdif.H.PET	Busyness_vdif.H.PET	Complexity_vdif.H.PET	
## 1	49.10863	0.141647	25517.13	
## 2	28.26579	0.103194	28339.01	
## 3	220.66779	0.236919	24028.42	
## 4	40.72831	0.833266	23437.94	
## 5	32.04753	0.124684	15279.35	
## 6	271.03091	0.279836	22773.21	
##	Strength_vdif.H.PET	SRE_align.H.PET	LRE_align.H.PET	RLNU_align.H.PET
## 1	19.64713	0.917833	1.449477	291.82356
## 2	25.47241	0.953059	1.241419	227.49063
## 3	22.15293	0.774121	2.674531	165.69391
## 4	2.79079	0.880393	1.732322	2033.70698
## 5	53.29819	0.741090	2.918639	99.23077
## 6	21.85351	0.720078	3.392842	140.39293
##	RP_align.H.PET	LGRE_align.H.PET	HGRE_align.H.PET	LGSRE_align.H.PET
## 1	0.888556	0.004341	1569.763	0.004198
## 2	0.935326	0.004349	1536.186	0.004223
## 3	0.710370	0.003527	1821.062	0.003336
## 4	0.839415	0.005339	1588.246	0.005019
## 5	0.684948	0.002975	2476.679	0.002849
## 6	0.656286	0.003229	2111.778	0.003040
##	HGSRE_align.H.PET	LGHRE_align.H.PET	HGLRE_align.H.PET	GLNU_norm_align.H.PET
## 1	1433.081	0.005120	2278.993	0.130158
## 2	1472.727	0.004991	1836.812	0.108781
## 3	1318.500	0.004849	5694.966	0.309012
## 4	1388.818	0.007300	2734.362	0.120339
## 5	1889.628	0.003929	6544.325	0.470904

## 6	1501.696	0.004877	7061.132	0.374988
##	RLNU_norm_align.H.PET	GLVAR_align.H.PET	RLVAR_align.H.PET	Entropy_align.H.PET
## 1	0.805658	271.94120	0.166759	3.665844
## 2	0.881876	263.05257	0.089416	3.807145
## 3	0.559747	231.23849	0.633026	2.962910
## 4	0.733600	302.00409	0.279758	3.963763
## 5	0.516961	63.36076	0.708711	2.615080
## 6	0.492823	187.63061	0.894173	2.953297
##	SZSE.H.PET	LZSE.H.PET	LGLZE.H.PET	HGLZE.H.PET
## 1	0.729896	6.346008	0.004206	1945.242
## 2	0.889774	1.945761	0.004294	1541.326
## 3	0.543152	38.343615	0.003595	1869.824
## 4	0.686000	28.192087	0.005281	2614.722
## 5	0.494282	85.120177	0.002930	2778.032
## 6	0.494144	151.989372	0.003258	2079.108
##	SZLGE.H.PET	SZHGE.H.PET		
## 1	0.003751	1205.4141		
## 2	0.004071	1371.5287		
## 3	0.003145	833.9286		
## 4	0.004412	1088.6316		
## 5	0.002719	1427.6154		
## 6	0.002893	988.7421		
##	LZLGE.H.PET	LZHGE.H.PET	GLNU_area.H.PET	ZSNU.H.PET
## 1	0.014967	9278.763	28.21123	112.61992
## 2	0.007054	2730.177	23.91083	171.00253
## 3	0.027806	99597.669	42.33586	36.25834
## 4	0.066848	39940.885	160.59767	604.01684
## 5	0.047180	166256.576	23.73782	17.00253
## 6	0.115459	288928.476	28.02885	17.76569
##	ZSP.H.PET	GLNU_norm.H.PET		
## 1	0.564877	0.125177		
## 2	0.829245	0.106933		
## 3	0.312626	0.330695		
## 4	0.425782	0.117405		
## 5	0.245387	0.351578		
## 6	0.181354	0.371297		
##	ZSNU_norm.H.PET	GLVAR_area.H.PET	ZSVAR.H.PET	Entropy_area.H.PET
## 1	0.492171	263.01858	3.183797	4.580974
## 2	0.749255	257.55868	0.482612	4.158935
## 3	0.283583	218.15517	27.944240	4.080320
## 4	0.434586	309.53854	22.609920	5.086907
## 5	0.252530	70.97225	68.165160	3.954518
## 6	0.236256	205.12926	120.717731	4.002762
##	Max_cooc.W.PET	Average_cooc.W.PET	Variance_cooc.W.PET	Entropy_cooc.W.PET
## 1	0.013277	8.741717	27.724284	8.310617
## 2	0.015738	10.946398	54.254568	8.954940
## 3	0.046074	4.019422	3.648015	5.580950
## 4	0.013915	9.152454	25.597213	8.286935
## 5	0.116685	2.577872	2.729045	4.706665
## 6	0.063098	3.127779	2.391005	5.013592
##	DAVE_cooc.W.PET	DVAR_cooc.W.PET	DENT_cooc.W.PET	SAVE_cooc.W.PET
## 1	4.361115	12.870015	3.611785	17.480905
## 2	6.845926	31.128005	4.224171	21.890266
## 3	1.595373	1.629296	2.279633	8.036314
## 4	3.728549	11.060383	3.431589	18.302378
## 5	1.376959	1.728999	2.205393	5.153215
## 6	1.306368	1.277859	2.076037	6.253029
##	SVAR_cooc.W.PET	SENT_cooc.W.PET	ASM_cooc.W.PET	Contrast_cooc.W.PET
## 1	79.024802	5.099087	0.006555	31.867274
## 2	139.053134	5.483416	0.005298	77.960077
## 3	10.420558	3.676978	0.027061	4.166444
## 4	77.440194	5.106053	0.007012	24.943599
## 5	7.293066	3.190894	0.061557	3.618055
## 6	6.581107	3.336839	0.041094	2.977854
##	Dissimilarity_cooc.W.PET	Inv_diff_cooc.W.PET	Inv_diff_norm_cooc.W.PET	
## 1	4.361115	0.306285	0.861048	
## 2	6.845926	0.244001	0.837985	
## 3	1.595373	0.503481	0.863798	

## 4	3.728549	0.343449	0.905179	
## 5	1.376959	0.558453	0.882471	
## 6	1.306368	0.553594	0.874095	
##	IDM_cooc.W.PET	IDM_norm_cooc.W.PET	Inv_var_cooc.W.PET	Correlation_cooc.W.PET
## 1	0.213874	0.955388	0.224294	0.427805
## 2	0.158456	0.936467	0.164222	0.284054
## 3	0.439777	0.957440	0.421156	0.431424
## 4	0.254836	0.980367	0.261941	0.515299
## 5	0.509374	0.964322	0.439330	0.339500
## 6	0.504966	0.961979	0.468899	0.379680
##	Autocorrelation_cooc.W.PET	Tendency_cooc.W.PET	Shade_cooc.W.PET	
## 1	88.165309	79.024802	341.143402	
## 2	135.044039	139.053134	552.913441	
## 3	17.701479	10.420558	2.361775	
## 4	96.847788	77.440194	471.374078	
## 5	7.553672	7.293066	26.823935	
## 6	10.670526	6.581107	7.170907	
##	Prominence_cooc.W.PET	IC1_d.W.PET	IC2_d.W.PET	Coarseness_vdif.W.PET
## 1	15813.1737	-0.042283	0.565302	0.015034
## 2	45767.4163	-0.044029	0.591913	0.015811
## 3	242.8423	-0.052987	0.524822	0.017811
## 4	21312.7505	-0.056187	0.630354	0.004934
## 5	276.1447	-0.033151	0.398878	0.018221
## 6	124.4042	-0.044775	0.466821	0.017235
##	Contrast_vdif.W.PET	Busyness_vdif.W.PET	Complexity_vdif.W.PET	
## 1	0.294464	0.717283	869.48613	
## 2	0.599158	0.420854	2313.88985	
## 3	0.112568	2.860859	40.08855	
## 4	0.133588	1.549091	1346.28621	
## 5	0.078944	3.650188	44.97271	
## 6	0.079545	4.181398	27.61148	
##	Strength_vdif.W.PET	SRE_align.W.PET	LRE_align.W.PET	GLNU_align.W.PET
## 1	3.919855	0.961787	1.191350	24.97624
## 2	8.341981	0.977438	1.116168	14.88136
## 3	0.511453	0.889821	1.618702	53.72505
## 4	1.384522	0.943354	1.291573	179.17215
## 5	1.109636	0.876250	1.674603	59.72108
## 6	0.444774	0.863194	1.800706	67.44333
##	RLNU_align.W.PET	RP_align.W.PET	LGRE_align.W.PET	HGRE_align.W.PET
## 1	347.5995	0.947236	0.150278	85.345885
## 2	250.6373	0.968373	0.127690	139.175484
## 3	265.0196	0.853307	0.272808	15.983362
## 4	2609.2747	0.922696	0.092857	101.288786
## 5	170.2453	0.840992	0.466475	7.937118
## 6	245.9412	0.822440	0.339659	10.636341
##	LGSRE_align.W.PET	HGSRE_align.W.PET	LGHRE_align.W.PET	HGLRE_align.W.PET
## 1	0.144360	82.365395	0.178628	98.96776
## 2	0.122525	136.722689	0.150485	150.71592
## 3	0.245883	13.790048	0.414898	28.12741
## 4	0.087782	95.978334	0.117784	126.22675
## 5	0.401364	7.231352	0.833918	11.22377
## 6	0.297964	9.120687	0.601806	18.69612
##	GLNU_norm_align.W.PET	RLNU_norm_align.W.PET	GLVAR_align.W.PET	
## 1	0.067162	0.901536	27.361255	

## 2	0.058138	0.938874	51.482886			
## 3	0.154351	0.749487	3.691659			
## 4	0.061479	0.859819	27.190856			
## 5	0.256845	0.724823	2.405984			
## 6	0.196000	0.702794	2.523334			
##	RLVAR_align.W.PET	Entropy_align.W.PET	SZSE.W.PET	LZSE.W.PET	LGLZE.W.PET	
## 1	0.069370	4.413771	0.862196	2.111226	0.136626	
## 2	0.043126	4.601911	0.939019	1.436265	0.126898	
## 3	0.229632	3.470022	0.737823	5.821460	0.309701	
## 4	0.107059	4.683410	0.816094	3.396694	0.091699	
## 5	0.239812	2.974484	0.688181	6.186741	0.438075	
## 6	0.289495	3.306066	0.662526	12.143891	0.342286	
##	HGLZE.W.PET	SZLGE.W.PET	SZHGE.W.PET	LZLGE.W.PET	LZHGE.W.PET	GLNU_area.W.PET
## 1	88.918679	0.112325	79.094274	0.392257	161.03980	20.13918
## 2	138.464377	0.116457	128.987889	0.195656	189.79771	13.47643
## 3	14.973723	0.247502	10.310508	1.043890	117.40582	38.33586
## 4	106.496868	0.073436	88.831921	0.286957	297.89713	131.17762
## 5	9.015688	0.284427	6.692377	3.360406	31.91043	35.02885
## 6	10.745985	0.252353	6.482655	5.046844	107.42661	36.93970
##	ZSNU.W.PET	ZSP.W.PET	GLNU_norm.W.PET	ZSNU_norm.W.PET	GLVAR_area.W.PET	
## 1	224.38141	0.789816	0.065066	0.699359	27.622423	
## 2	211.55675	0.901447	0.056642	0.852145	50.978030	
## 3	121.85027	0.586665	0.160280	0.503961	3.807675	
## 4	1419.26821	0.697656	0.059662	0.620677	29.116647	
## 5	66.31832	0.545387	0.232966	0.438818	2.699725	
## 6	77.07583	0.451942	0.195918	0.406055	2.633927	
##	ZSVAR.W.PET	Entropy_area.W.PET	Min_hist.ADC	Max_hist.ADC	Mean_hist.ADC	
## 1	0.497852	4.937916	549.00253	2268.003	1238.232	
## 2	0.198720	4.834988	0.00253	2211.003	1158.946	
## 3	2.890741	4.143192	634.00253	2860.003	1252.476	
## 4	1.327156	5.449999	0.00253	2869.003	1195.303	
## 5	2.793389	3.991207	0.00253	2389.003	1022.390	
## 6	7.192684	4.330361	0.00253	2498.003	1344.979	
##	Variance_hist.ADC	Standard_Deviation_hist.ADC	Skewness_hist.ADC			
## 1	113473.17		336.8603		1.05752	
## 2	83953.26		289.7494		-0.49105	
## 3	193194.07		439.5410		1.53649	
## 4	132561.08		364.0919		0.24067	
## 5	110268.35		332.0693		0.31916	
## 6	276984.10		526.2953		-0.19996	
##	Kurtosis_hist.ADC	Energy_hist.ADC	Entropy_hist.ADC	AUC_hist.ADC	Volume.ADC	
## 1	0.39978	0.00757	7.72697	0.52307	14702.81	
## 2	1.41215	0.00503	8.82392	0.49147	11850.17	
## 3	2.15473	0.00426	9.42564	0.56722	26067.89	
## 4	0.23359	0.00365	10.02927	0.52148	51577.90	
## 5	0.50069	0.00454	9.12787	0.50458	27419.14	
## 6	-1.03080	0.00413	9.41989	0.49047	16131.31	
##	X3D_surface.ADC	ratio_3ds_vol.ADC	ratio_3ds_vol_norm.ADC	irregularity.ADC		
## 1	2621.908	0.39370	1.52762	1.93975		
## 2	3814.097	0.27791	1.37006	1.76130		
## 3	5638.645	0.21884	1.32876	1.57930		
## 4	11033.100	0.21644	1.64907	1.63673		
## 5	5670.769	0.22562	1.35892	1.61457		
## 6	6099.528	0.30552	1.70690	1.72859		

##	Compactness_v1.ADC	Compactness_v2.ADC	Spherical_disproportion.ADC	
## 1	0.03070	0.28444	1.52762	
## 2	0.03570	0.39354	1.37006	
## 3	0.03727	0.43122	1.32876	
## 4	0.02764	0.22655	1.64907	
## 5	0.03611	0.40326	1.35892	
## 6	0.02637	0.20451	1.70690	
##	Sphericity.ADC	Asphericity.ADC	Center_of_mass.ADC	Max_3D_diam.ADC
## 1	0.65823	0.52762	0.97407	46.80855
## 2	0.73378	0.37006	1.00173	57.64178
## 3	0.75655	0.32876	1.48789	64.07496
## 4	0.60987	0.64907	1.32794	85.02235
## 5	0.73978	0.35892	0.57983	59.88998
## 6	0.58926	0.70690	1.60559	66.42410
##	Major_axis_length.ADC	Minor_axis_length.ADC	Least_axis_length.ADC	
## 1	45.53640	20.24517	13.58989	
## 2	35.07877	28.70241	23.63536	
## 3	42.14714	36.72698	25.93458	
## 4	58.00549	42.98623	35.06326	
## 5	39.28351	35.40209	31.13508	
## 6	52.01087	34.53146	21.82211	
##	Elongation.ADC	Flatness.ADC	Max_cooc.L.ADC	Average_cooc.L.ADC
## 1	0.44709	0.30093	0.01362	24.26969
## 2	0.82074	0.67629	0.00769	34.15443
## 3	0.87392	0.61784	0.00984	17.40595
## 4	0.74359	0.60699	0.00893	26.20041
## 5	0.90372	0.79509	0.00863	27.03123
## 6	0.66644	0.42207	0.00548	33.31549
##	Variance_cooc.L.ADC	Entropy_cooc.L.ADC	DAVE_cooc.L.ADC	DVAR_cooc.L.ADC
## 1	135.95808	9.35172	9.33833	95.10941
## 2	60.59539	9.52569	6.58341	31.97649
## 3	159.14565	9.93157	8.05607	81.58702
## 4	57.02199	9.50974	5.46198	23.67951
## 5	65.76514	9.76494	6.96837	33.58727
## 6	176.68232	10.64861	9.13371	70.36682
##	DENT_cooc.L.ADC	SAVE_cooc.L.ADC	SVAR_cooc.L.ADC	SENT_cooc.L.ADC
## 1	4.68745	48.53685	361.5607	4.49616
## 2	4.18551	68.30632	167.0920	2.32433
## 3	4.48343	34.80936	490.1310	5.16708
## 4	3.95039	52.39829	174.5978	4.55938
## 5	4.26293	54.05993	180.9453	4.48500
## 6	4.65758	66.62846	552.9789	3.08233
##	ASM_cooc.L.ADC	Contrast_cooc.L.ADC	Dissemblarity_cooc.L.ADC	
## 1	0.00535	182.26652	9.33833	
## 2	0.00448	75.28447	6.58341	
## 3	0.00458	146.44656	8.05607	
## 4	0.00454	53.48506	5.46198	
## 5	0.00414	82.11021	6.96837	
## 6	0.00338	153.74529	9.13371	
##	Inv_diff_cooc.L.ADC	Inv_diff_norm_cooc.L.ADC	IDM_cooc.L.ADC	
## 1	0.23569	0.88844	0.15619	
## 2	0.24103	0.91456	0.15044	
## 3	0.24921	0.90225	0.16496	
## 4	0.27847	0.92805	0.18834	

## 5	0.23450	0.90993	0.14567	
## 6	0.20980	0.88787	0.12604	
##	IDM_norm_cooc.L.ADC	Inv_var_cooc.L.ADC	Correlation_cooc.L.ADC	
## 1	0.96528	0.15633	0.33222	
## 2	0.98542	0.15887	0.38132	
## 3	0.97276	0.17144	0.54243	
## 4	0.99019	0.19368	0.53355	
## 5	0.98376	0.15283	0.37826	
## 6	0.96963	0.13018	0.56744	
##	Autocorrelation_.L.ADC	Tendency_cooc.L.ADC	Shade_.L.ADC	Prominence_cooc.L.ADC
## 1	633.7211	361.5607	7639.8939	517154.08
## 2	1189.3065	167.0920	-1156.8109	112937.29
## 3	388.8025	490.1310	17093.4493	1296059.93
## 4	716.6097	174.5978	616.3283	88605.95
## 5	755.2618	180.9453	592.0947	113320.37
## 6	1209.5645	552.9789	-1837.1897	590287.94
##	IC1_.L.ADC	IC2_.L.ADC	Coarseness_vdif_.L.ADC	Contrast_vdif_.L.ADC
## 1	-0.11842	0.83912	0.02135	0.71307
## 2	-0.05061	0.63924	0.01258	0.23808
## 3	-0.07274	0.73740	0.00784	0.40394
## 4	-0.06200	0.68774	0.00556	0.15512
## 5	-0.04812	0.63329	0.01085	0.27967
## 6	-0.09225	0.81078	0.01042	0.60161
##	Busyness_vdif_.L.ADC	Complexity_vdif_.L.ADC	Strength_vdif_.L.ADC	
## 1	0.04811	8748.919	30.44366	
## 2	0.05243	5213.433	10.85376	
## 3	0.21602	9811.189	12.83805	
## 4	0.20181	4912.319	3.52728	
## 5	0.08515	5705.778	8.31391	
## 6	0.06946	8974.106	10.09240	
##	SRE_align.L.ADC	LRE_align.L.ADC	GLNU_align.L.ADC	RLNU_align.L.ADC
## 1	0.97677	1.11587	9.40856	232.7602
## 2	0.97564	1.11803	26.43616	645.9593
## 3	0.96919	1.14834	43.70925	1177.5699
## 4	0.96126	1.18592	102.31243	2562.1046
## 5	0.97703	1.11715	28.40221	788.2562
## 6	0.98211	1.08986	21.25471	890.8892
##	RP_align.L.ADC	LGRE_align.L.ADC	HGRE_align.L.ADC	LGSRE_align.L.ADC
## 1	0.96871	0.00908	831.5410	0.00900
## 2	0.96669	0.00605	1191.1595	0.00602
## 3	0.95823	0.01361	487.9258	0.01321
## 4	0.94795	0.00810	786.0107	0.00784
## 5	0.96795	0.00721	833.8975	0.00716
## 6	0.97551	0.00591	1362.5846	0.00587
##	HGSRE_align.L.ADC	LGHRE_align.L.ADC	HGLRE_align.L.ADC	GLNU_norm_align.L.ADC
## 1	820.9252	0.00946	876.2823	0.04038
## 2	1157.5280	0.00615	1335.5219	0.04066
## 3	478.4817	0.01531	528.1310	0.03656
## 4	757.7992	0.00954	909.4492	0.03841
## 5	815.1979	0.00741	917.7657	0.03626
## 6	1335.9421	0.00607	1478.8704	0.02516
##	RLNU_norm_align.L.ADC	GLVAR_align.L.ADC	RLVAR_align.L.ADC	Entropy_align.L.ADC
## 1	0.93826	154.93296	0.04141	5.29371
## 2	0.93411	69.45486	0.04188	5.17751

## 3	0.91877	156.30297	0.05240	5.47452		
## 4	0.90022	64.98946	0.06534	5.31012		
## 5	0.93819	78.05347	0.04295	5.30441		
## 6	0.95061	175.82591	0.03219	5.74239		
##	SZSE.L.ADC	LZSE.L.ADC	LGLZE.L.ADC	HGLZE.L.ADC	SZLGE.L.ADC	SZHGE.L.ADC
## 1	0.93703	1.33159	0.00927	858.5837	0.00905	831.8537
## 2	0.92448	1.39444	0.00624	1184.8610	0.00617	1086.4222
## 3	0.87706	1.82170	0.01338	514.4899	0.01189	468.7768
## 4	0.90217	1.59820	0.00767	792.5723	0.00686	720.2240
## 5	0.91279	1.55603	0.00757	833.3315	0.00743	760.6074
## 6	0.93634	1.29245	0.00606	1348.0807	0.00598	1247.0381
##	LZLGE.L.ADC	LZHGE.L.ADC	GLNU_area.L.ADC	ZSNU.L.ADC	ZSP.L.ADC	GLNU_norm.L.ADC
## 1	0.01042	981.8102	8.25894	197.1051	0.91304	0.03781
## 2	0.00662	1681.2171	24.10984	524.4053	0.89683	0.04002
## 3	0.02376	734.9103	34.98083	798.7819	0.82545	0.03416
## 4	0.01300	1204.1618	90.93063	1994.0215	0.86029	0.03768
## 5	0.00840	1283.7978	24.73040	600.5032	0.87065	0.03520
## 6	0.00644	1779.7534	19.65712	741.6164	0.91756	0.02479
##	ZSNU_norm.L.ADC	GLVAR_area.L.ADC	ZSVAR.L.ADC	Entropy_area.L.ADC		
## 1	0.84485	158.37071	0.12535	5.53926		
## 2	0.81809	71.19097	0.14408	5.46224		
## 3	0.72475	157.77185	0.34501	6.00431		
## 4	0.77331	66.76247	0.23904	5.67242		
## 5	0.79579	82.41219	0.22912	5.69671		
## 6	0.84241	176.08461	0.09810	6.01150		
##	Max_cooc.H.ADC	Average_cooc.H.ADC	Variance_cooc.H.ADC	Entropy_cooc.H.ADC		
## 1	0.00464	29.95976	310.9790	11.72265		
## 2	0.00420	33.61846	312.8265	11.35537		
## 3	0.00622	30.58315	335.7248	11.53210		
## 4	0.00461	30.75681	310.6464	11.60919		
## 5	0.00393	31.26939	305.7453	11.56749		
## 6	0.00496	30.52540	330.9954	11.34674		
##	DAVE_cooc.H.ADC	DVAR_cooc.H.ADC	DENT_cooc.H.ADC	SAVE_cooc.H.ADC		
## 1	15.71847	162.7022	5.37436	59.91700		
## 2	15.39980	148.1637	5.34697	67.23440		
## 3	13.82367	148.1751	5.24052	61.16377		
## 4	12.67796	118.4962	5.12061	61.51110		
## 5	15.22805	152.9835	5.34969	62.53624		
## 6	12.68957	134.2114	5.12373	61.04826		
##	SVAR_cooc.H.ADC	SENT_cooc.H.ADC	ASM_cooc.H.ADC	Contrast_cooc.H.ADC		
## 1	834.2180	3.87272	0.00312	409.6931		
## 2	866.0614	3.21841	0.00292	385.2396		
## 3	1003.6953	3.81762	0.00296	339.1990		
## 4	963.4178	3.73436	0.00290	279.1628		
## 5	838.1762	3.61892	0.00291	384.8001		
## 6	1028.8043	3.58842	0.00300	295.1723		
##	Dissimilarity_cooc.H.ADC	Inv_diff_cooc.H.ADC	Inv_diff_norm_cooc.H.ADC			
## 1	15.71847	0.14449	0.82408			
## 2	15.39980	0.13871	0.82594			
## 3	13.82367	0.16711	0.84276			
## 4	12.67796	0.16941	0.85215			
## 5	15.22805	0.14798	0.82834			
## 6	12.68957	0.17461	0.85365			
##	IDM_cooc.H.ADC	IDM_norm_cooc.H.ADC	Inv_var_cooc.H.ADC	Correlation_cooc.H.ADC		

## 1	0.07807	0.92422	0.08536	0.34381
## 2	0.06993	0.92757	0.07472	0.38679
## 3	0.09608	0.93697	0.09823	0.49736
## 4	0.09588	0.94673	0.09742	0.55321
## 5	0.07991	0.92793	0.08208	0.37325
## 6	0.09995	0.94500	0.10213	0.55665
##	Autocorrelation_cooc.H.ADC	Tendency_cooc.H.ADC	Shade_cooc.H.ADC	
## 1	1003.570	834.2180	4888.58538	
## 2	1250.239	866.0614	-4080.74039	
## 3	1101.301	1003.6953	7361.25628	
## 4	1116.892	963.4178	2723.56893	
## 5	1090.963	838.1762	-98.86912	
## 6	1115.056	1028.8043	509.16337	
##	Prominence_cooc.H.ADC	IC1_d.H.ADC	IC2_d.H.ADC	Coarseness_vdif.H.ADC
## 1	1518300	-0.15943	0.92667	0.02421
## 2	1589114	-0.05988	0.72703	0.01048
## 3	2077405	-0.06514	0.74687	0.00767
## 4	1824192	-0.05338	0.70043	0.00496
## 5	1538643	-0.05818	0.72034	0.00898
## 6	1971550	-0.09605	0.83415	0.00994
##	Contrast_vdif.H.ADC	Busyness_vdif.H.ADC	Complexity_vdif.H.ADC	
## 1	1.85757	0.03586	16806.66	
## 2	1.80534	0.09301	16186.56	
## 3	1.49359	0.14284	13464.93	
## 4	1.41213	0.29907	12641.54	
## 5	1.83534	0.11398	16384.39	
## 6	1.45238	0.09984	12914.39	
##	Strength_vdif.H.ADC	SRE_align.H.ADC	LRE_align.H.ADC	GLNU_align.H.ADC
## 1	29.66079	0.99220	1.04664	4.07230
## 2	10.90410	0.99123	1.04949	11.31108
## 3	7.03589	0.98442	1.08787	20.88959
## 4	3.31909	0.98263	1.08821	46.68109
## 5	8.83863	0.98826	1.06328	13.66324
## 6	10.10115	0.98601	1.07180	15.03108
##	RLNU_align.H.ADC	RP_align.H.ADC	LGRE_align.H.ADC	HGRE_align.H.ADC
## 1	246.9236	0.98876	0.02752	1363.457
## 2	687.6470	0.98755	0.02717	1357.005
## 3	1249.7235	0.97718	0.02776	1343.165
## 4	2786.7832	0.97588	0.02638	1359.587
## 5	824.1350	0.98339	0.02668	1358.525
## 6	904.6320	0.98077	0.02665	1361.936
##	LGSRE_align.H.ADC	HGSRE_align.H.ADC	LGHRE_align.H.ADC	HGLRE_align.H.ADC
## 1	0.02695	1349.190	0.02979	1430.871
## 2	0.02648	1340.025	0.02994	1430.336
## 3	0.02707	1310.372	0.03080	1516.790
## 4	0.02500	1334.267	0.03403	1466.691
## 5	0.02577	1338.937	0.03083	1444.863
## 6	0.02539	1342.295	0.03304	1444.991
##	GLNU_norm_align.H.ADC	RLNU_norm_align.H.ADC	GLVAR_align.H.ADC	
## 1	0.01859	0.97614	329.5023	
## 2	0.01850	0.97320	329.3505	
## 3	0.01848	0.95625	325.6524	
## 4	0.01843	0.95150	327.9251	
## 5	0.01850	0.96576	329.3047	

## 6	0.01845	0.96023	327.5799			
##	RLVAR_align.H.ADC	Entropy_align.H.ADC	SZSE.H.ADC	LZSE.H.ADC	LGLZE.H.ADC	
## 1	0.01753	6.01510	0.96829	1.15763	0.02871	
## 2	0.01839	6.04615	0.96505	1.15896	0.02661	
## 3	0.03446	6.10308	0.93628	1.65499	0.02502	
## 4	0.03209	6.13418	0.95168	1.26414	0.02388	
## 5	0.02330	6.06848	0.95866	1.24670	0.02517	
## 6	0.02577	6.08534	0.94459	1.30242	0.02141	
##	HGLZE.H.ADC	SZLGE.H.ADC	SZHGE.H.ADC	LZLGE.H.ADC	LZHGE.H.ADC	GLNU_area.H.ADC
## 1	1353.052	0.02838	1303.023	0.03004	1618.472	3.99028
## 2	1355.552	0.02483	1302.738	0.03376	1584.380	10.95282
## 3	1293.549	0.02152	1196.086	0.04888	2953.476	19.42358
## 4	1353.634	0.02049	1283.290	0.04521	1725.853	44.63370
## 5	1328.345	0.02373	1252.666	0.04477	1783.557	13.08842
## 6	1363.271	0.01864	1280.446	0.06832	1716.544	14.22012
##	ZSNU.H.ADC	ZSP.H.ADC	GLNU_norm.H.ADC	ZSNU_norm.H.ADC	GLVAR_area.H.ADC	
## 1	223.9086	0.95584	0.01881	0.91643	324.0822	
## 2	619.2862	0.95385	0.01854	0.90792	327.6186	
## 3	1007.9399	0.89316	0.01876	0.84458	305.6363	
## 4	2450.9039	0.93025	0.01848	0.87848	321.4979	
## 5	727.4123	0.93716	0.01859	0.89506	324.1160	
## 6	762.1457	0.92170	0.01856	0.86177	315.8327	
##	ZSVAR.H.ADC	Entropy_area.H.ADC	Max_cooc.W.ADC	Average_cooc.W.ADC		
## 1	0.05727	6.06723	0.00675	65.37977		
## 2	0.05401	6.18594	0.00382	118.60405		
## 3	0.39430	6.37088	0.00376	60.27417		
## 4	0.10225	6.32299	0.00302	117.52784		
## 5	0.10193	6.21756	0.00355	101.18139		
## 6	0.11881	6.31556	0.00343	130.61014		
##	Variance_cooc.W.ADC	DAVE_cooc.W.ADC	DVAR_cooc.W.ADC	DENT_cooc.W.ADC		
## 1	1010.0875	25.43812	706.5272	6.06338		
## 2	746.1691	23.15154	390.8192	5.94785		
## 3	1991.6618	28.49457	1018.7085	6.25261		
## 4	1181.5174	24.91785	487.4797	6.07963		
## 5	945.7911	26.38488	481.6157	6.14012		
## 6	2779.9243	36.21365	1103.2759	6.60187		
##	SAVE_cooc.W.ADC	SVAR_cooc.W.ADC	SENT_cooc.W.ADC	ASM_cooc.W.ADC		
## 1	130.7570	2686.849	5.54316	0.00323		
## 2	237.2056	2057.975	2.77584	0.00280		
## 3	120.5458	6136.137	6.76239	0.00275		
## 4	235.0531	3617.812	6.13864	0.00265		
## 5	202.3602	2605.515	5.80987	0.00273		
## 6	261.2178	8705.171	3.87339	0.00266		
##	Contrast_cooc.W.ADC	Dissimilarity_cooc.W.ADC	Inv_diff_cooc.W.ADC			
## 1	1353.496	25.43812	0.12826			
## 2	926.696	23.15154	0.10420			
## 3	1830.505	28.49457	0.10990			
## 4	1108.253	24.91785	0.10456			
## 5	1177.644	26.38488	0.09861			
## 6	2414.521	36.21365	0.08344			
##	Inv_diff_norm_cooc.W.ADC	IDM_cooc.W.ADC	IDM_norm_cooc.W.ADC			
## 1	0.88720	0.06987	0.96438			
## 2	0.91342	0.04700	0.98505			
## 3	0.90097	0.05282	0.97202			

## 4	0.92684	0.04905	0.98983		
## 5	0.90880	0.04557	0.98327		
## 6	0.88642	0.03696	0.96879		
##	Inv_var_cooc.W.ADC	Correlation_cooc.W.ADC	Autocorrelation_cooc.W.ADC		
## 1	0.07218	0.33254	4607.525		
## 2	0.04790	0.38156	14349.142		
## 3	0.05640	0.54299	4709.081		
## 4	0.04962	0.53354	14439.590		
## 5	0.04452	0.37996	10594.131		
## 6	0.03757	0.56825	18631.013		
##	Tendency_cooc.W.ADC	Shade_cooc.W.ADC	Prominence_cooc.W.ADC	IC1_d.W.ADC	
## 1	2686.849	154504.57	28492973	-0.20561	
## 2	2057.975	-49857.50	17100002	-0.13210	
## 3	6136.137	755229.72	202604689	-0.13981	
## 4	3617.812	57995.75	38091821	-0.08828	
## 5	2605.515	31890.26	23457384	-0.13836	
## 6	8705.171	-113889.96	146542333	-0.23037	
##	IC2_d.W.ADC	Coarseness_vdif.W.ADC	Contrast_vdif.W.ADC	Busyness_vdif.W.ADC	
## 1	0.96152	0.01818	4.78265	0.01774	
## 2	0.91270	0.01162	1.49489	0.00979	
## 3	0.92904	0.00742	1.99390	0.02744	
## 4	0.85241	0.00544	1.11708	0.01846	
## 5	0.92596	0.01002	1.72379	0.01257	
## 6	0.98684	0.00959	3.20701	0.00873	
##	Complexity_vdif.W.ADC	Strength_vdif.W.ADC	SRE_align.W.ADC	LRE_align.W.ADC	
## 1	94483.95	120.21874	0.99193	1.04495	
## 2	123984.35	70.45906	0.99469	1.03484	
## 3	322896.60	118.12334	0.99389	1.03917	
## 4	270786.27	41.10745	0.99307	1.04143	
## 5	183481.75	68.98942	0.99446	1.03681	
## 6	408132.18	116.30778	0.99699	1.02540	
##	GLNU_align.W.ADC	RLNU_align.W.ADC	RP_align.W.ADC	LGRE_align.W.ADC	
## 1	4.26622	246.5777	0.98876	0.00683	
## 2	8.60033	696.8829	0.99205	0.00418	
## 3	13.91071	1298.3291	0.99080	0.00430	
## 4	24.38419	2904.1988	0.98991	0.00579	
## 5	8.43212	844.4260	0.99159	0.00400	
## 6	6.05624	944.0342	0.99512	0.00374	
##	HGRE_align.W.ADC	LGSRE_align.W.ADC	HGSRE_align.W.ADC	LGHRE_align.W.ADC	
## 1	5992.756	0.00683	5952.927	0.00685	
## 2	14395.425	0.00418	14281.115	0.00418	
## 3	5853.808	0.00429	5824.143	0.00434	
## 4	15776.936	0.00562	15649.652	0.00681	
## 5	11683.555	0.00400	11599.962	0.00400	
## 6	21008.240	0.00373	20894.393	0.00374	
##	HGLRE_align.W.ADC	GLNU_norm_align.W.ADC	RLNU_norm_align.W.ADC		
## 1	6152.074	0.01935	0.97502		
## 2	14868.922	0.01462	0.98198		
## 3	5983.117	0.01300	0.97996		
## 4	16293.667	0.01072	0.97773		
## 5	12044.998	0.01230	0.98150		
## 6	21478.153	0.00885	0.98802		
##	GLVAR_align.W.ADC	RLVAR_align.W.ADC	Entropy_align.W.ADC	SZSE.W.ADC	LZSE.W.ADC
## 1	1139.4041	0.01629	6.94511	0.98460	1.07424

## 2	842.8456	0.01345	6.67452	0.96527	1.11797	
## 3	1938.7178	0.01519	6.79621	0.98765	1.17872	
## 4	1327.6869	0.01562	7.20649	0.98060	1.10239	
## 5	1109.3728	0.01437	6.95074	0.97667	1.13245	
## 6	2767.6284	0.01027	7.49193	0.98323	1.08445	
##	LGLZE.W.ADC	HGLZE.W.ADC	SZLGE.W.ADC	SZHGE.W.ADC	LZLGE.W.ADC	LZHGE.W.ADC
## 1	0.00686	6055.150	0.00686	6018.454	0.00690	6201.935
## 2	0.00422	14407.506	0.00422	14026.413	0.00423	16054.013
## 3	0.00433	5883.686	0.00430	5711.245	0.00453	6674.638
## 4	0.00511	15809.845	0.00455	15506.485	0.00888	17172.910
## 5	0.00403	11663.603	0.00403	11366.888	0.00405	13231.943
## 6	0.00376	20996.110	0.00375	20573.429	0.00377	22707.428
##	GLNU_area.W.ADC	ZSNU.W.ADC	ZSP.W.ADC	GLNU_norm.W.ADC	ZSNU_norm.W.ADC	
## 1	4.13400	239.2894	0.97918	0.01899	0.95586	
## 2	8.37627	644.7370	0.95637	0.01461	0.93288	
## 3	13.11686	1165.7026	0.97268	0.02501	0.91537	
## 4	23.84726	2760.4129	0.97203	0.01069	0.94658	
## 5	8.14437	784.5973	0.96469	0.02526	0.93769	
## 6	5.93657	893.1791	0.97662	0.00884	0.95272	
##	GLVAR_area.W.ADC	ZSVAR.W.ADC	Entropy_area.W.ADC			
## 1	1145.1050	0.02586	6.28632			
## 2	847.5254	0.04153	6.77853			
## 3	1923.8571	0.07104	7.15685			
## 4	1329.9529	0.03848	7.29521			
## 5	1116.3867	0.05223	7.05149			
## 6	2743.2376	0.03055	7.54787			

```
#Check for null and missing values
is.na(df)
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[illegible]

[illegible]

[illegible]

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[illegible]

[illegible]

[illegible]

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## [197,]	FALSE	FALSE	FALSE	FALSE	FALSE
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## [2,]	FALSE	FALSE	FALSE		
## [3,]	FALSE	FALSE	FALSE		
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## [180,]	FALSE	FALSE	FALSE
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## [184,]	FALSE	FALSE	FALSE
## [185,]	FALSE	FALSE	FALSE

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## [186,]          FALSE          FALSE          FALSE
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## [194,]          FALSE          FALSE          FALSE
## [195,]          FALSE          FALSE          FALSE
## [196,]          FALSE          FALSE          FALSE
## [197,]          FALSE          FALSE          FALSE
```

```
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##           Max_hist.PET           Mean_hist.PET
##                0                0
##           Variance_hist.PET Standard_Deviation_hist.PET
##                0                0
##           Skewness_hist.PET           Kurtosis_hist.PET
##                0                0
##           Energy_hist.PET           Entropy_hist.PET
##                0                0
##           AUC_hist.PET           H_suv.PET
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##           Elongation.PET           Flatness.PET
##                0                0
##           Max_cooc.L.PET           Average_cooc.L.PET
##                0                0
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```

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##	DENT_cooc.L.PET	SAVE_cooc.L.PET
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##	SVAR_cooc.L.PET	SENT_cooc.L.PET
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##	ASM_cooc.L.PET	Contrast_cooc.L.PET
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##	Dissimilarity_cooc.L.PET	Inv_diff_cooc.L.PET
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##	Inv_diff_norm_cooc.L.PET	IDM_cooc.L.PET
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##	Correlation_cooc.L.PET	Autocorrelation_cooc.L.PET
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##	Tendency_cooc.L.PET	Shade_cooc.L.PET
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##	Prominence_cooc.L.PET	IC1_.L.PET
##	0	0
##	IC2_.L.PET	Coarseness_vdif_.L.PET
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##	Contrast_vdif_.L.PET	Busyness_vdif_.L.PET
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##	Complexity_vdif_.L.PET	Strength_vdif_.L.PET
##	0	0
##	SRE_align.L.PET	LRE_align.L.PET
##	0	0
##	GLNU_align.L.PET	RLNU_align.L.PET
##	0	0
##	RP_align.L.PET	LGRE_align.L.PET
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##	HGRE_align.L.PET	LGSRE_align.L.PET
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##	HGSRE_align.L.PET	LGHRE_align.L.PET
##	0	0
##	HGLRE_align.L.PET	GLNU_norm_align.L.PET
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##	RLNU_norm_align.L.PET	GLVAR_align.L.PET
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##	RLVAR_align.L.PET	Entropy_align.L.PET
##	0	0
##	SZSE.L.PET	LZSE.L.PET
##	0	0
##	LGLZE.L.PET	HGLZE.L.PET
##	0	0
##	SZLGE.L.PET	SZHGE.L.PET
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##	LZLGE.L.PET	LZHGE.L.PET
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##	GLNU_area.L.PET	ZSNU.L.PET
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##	ZSP.L.PET	GLNU_norm.L.PET
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##	Inv_diff_norm_cooc.H.PET	IDM_cooc.H.PET
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##	Correlation_cooc.H.PET	Autocorrelation_cooc.H.PET
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##	Prominence_cooc.H.PET	IC1_d.H.PET
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##	GLVAR_align.H.PET	RLVAR_align.H.PET
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##	Entropy_align.H.PET	SZSE.H.PET
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##	HGLZE.H.PET	SZLGE.H.PET
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##	ZSNU.H.PET	ZSP.H.PET
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##	LZHGE.W.PET	GLNU_area.W.PET
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##	ZSNU.W.PET	ZSP.W.PET
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##	GLVAR_area.W.PET	ZSVAR.W.PET
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##	Skewness_hist.ADC	Kurtosis_hist.ADC
##	0	0
##	Energy_hist.ADC	Entropy_hist.ADC
##	0	0
##	AUC_hist.ADC	Volume.ADC
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##	ratio_3ds_vol_norm.ADC	irregularity.ADC
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##	Compactness_v1.ADC	Compactness_v2.ADC
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##	Spherical_disproportion.ADC	Sphericity.ADC
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##	Asphericity.ADC	Center_of_mass.ADC
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##	Max_3D_diam.ADC	Major_axis_length.ADC
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##	Minor_axis_length.ADC	Least_axis_length.ADC
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##	Elongation.ADC	Flatness.ADC
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##	Variance_cooc.L.ADC	Entropy_cooc.L.ADC
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##	Prominence_cooc.L.ADC	IC1_.L.ADC
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##	IC2_.L.ADC	Coarseness_vdif_.L.ADC
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##	Complexity_vdif_.L.ADC	Strength_vdif_.L.ADC
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##	HGRE_align.L.ADC	LGSRE_align.L.ADC
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##	SZLGE.L.ADC	SZHGE.L.ADC
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##	LZLGE.L.ADC	LZHGE.L.ADC
##	0	0
##	GLNU_area.L.ADC	ZSNU.L.ADC
##	0	0
##	ZSP.L.ADC	GLNU_norm.L.ADC
##	0	0
##	ZSNU_norm.L.ADC	GLVAR_area.L.ADC
##	0	0
##	ZSVAR.L.ADC	Entropy_area.L.ADC
##	0	0
##	Max_cooc.H.ADC	Average_cooc.H.ADC

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##	Variance_cooc.H.ADC	Entropy_cooc.H.ADC
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##	DENT_cooc.H.ADC	SAVE_cooc.H.ADC
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##	SVAR_cooc.H.ADC	SENT_cooc.H.ADC
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##	ASM_cooc.H.ADC	Contrast_cooc.H.ADC
##	0	0
##	Dissimilarity_cooc.H.ADC	Inv_diff_cooc.H.ADC
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##	Inv_diff_norm_cooc.H.ADC	IDM_cooc.H.ADC
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##	IDM_norm_cooc.H.ADC	Inv_var_cooc.H.ADC
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##	Tendency_cooc.H.ADC	Shade_cooc.H.ADC
##	0	0
##	Prominence_cooc.H.ADC	IC1_d.H.ADC
##	0	0
##	IC2_d.H.ADC	Coarseness_vdif.H.ADC
##	0	0
##	Contrast_vdif.H.ADC	Busyness_vdif.H.ADC
##	0	0
##	Complexity_vdif.H.ADC	Strength_vdif.H.ADC
##	0	0
##	SRE_align.H.ADC	LRE_align.H.ADC
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##	GLNU_align.H.ADC	RLNU_align.H.ADC
##	0	0
##	RP_align.H.ADC	LGRE_align.H.ADC
##	0	0
##	HGRE_align.H.ADC	LGSRE_align.H.ADC
##	0	0
##	HGSRE_align.H.ADC	LGHRE_align.H.ADC
##	0	0
##	HGLRE_align.H.ADC	GLNU_norm_align.H.ADC
##	0	0
##	RLNU_norm_align.H.ADC	GLVAR_align.H.ADC
##	0	0
##	RLVAR_align.H.ADC	Entropy_align.H.ADC
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##	SZSE.H.ADC	LZSE.H.ADC
##	0	0
##	LGLZE.H.ADC	HGLZE.H.ADC
##	0	0
##	SZLGE.H.ADC	SZHGE.H.ADC
##	0	0
##	LZLGE.H.ADC	LZHGE.H.ADC
##	0	0
##	GLNU_area.H.ADC	ZSNU.H.ADC

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##	ZSP.H.ADC	GLNU_norm.H.ADC
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##	ZSNU_norm.H.ADC	GLVAR_area.H.ADC
##	0	0
##	ZSVAR.H.ADC	Entropy_area.H.ADC
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##	Max_cooc.W.ADC	Average_cooc.W.ADC
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##	DVAR_cooc.W.ADC	DENT_cooc.W.ADC
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##	SAVE_cooc.W.ADC	SVAR_cooc.W.ADC
##	0	0
##	SENT_cooc.W.ADC	ASM_cooc.W.ADC
##	0	0
##	Contrast_cooc.W.ADC	Dissimilarity_cooc.W.ADC
##	0	0
##	Inv_diff_cooc.W.ADC	Inv_diff_norm_cooc.W.ADC
##	0	0
##	IDM_cooc.W.ADC	IDM_norm_cooc.W.ADC
##	0	0
##	Inv_var_cooc.W.ADC	Correlation_cooc.W.ADC
##	0	0
##	Autocorrelation_cooc.W.ADC	Tendency_cooc.W.ADC
##	0	0
##	Shade_cooc.W.ADC	Prominence_cooc.W.ADC
##	0	0
##	IC1_d.W.ADC	IC2_d.W.ADC
##	0	0
##	Coarseness_vdif.W.ADC	Contrast_vdif.W.ADC
##	0	0
##	Busyness_vdif.W.ADC	Complexity_vdif.W.ADC
##	0	0
##	Strength_vdif.W.ADC	SRE_align.W.ADC
##	0	0
##	LRE_align.W.ADC	GLNU_align.W.ADC
##	0	0
##	RLNU_align.W.ADC	RP_align.W.ADC
##	0	0
##	LGRE_align.W.ADC	HGRE_align.W.ADC
##	0	0
##	LGSRE_align.W.ADC	HGSRE_align.W.ADC
##	0	0
##	LGHRE_align.W.ADC	HGLRE_align.W.ADC
##	0	0
##	GLNU_norm_align.W.ADC	RLNU_norm_align.W.ADC
##	0	0
##	GLVAR_align.W.ADC	RLVAR_align.W.ADC
##	0	0
##	Entropy_align.W.ADC	SZSE.W.ADC
##	0	0
##	LZSE.W.ADC	LGLZE.W.ADC

```
##          0          0
##          HGLZE.W.ADC          SZLGE.W.ADC
##          0          0
##          SZHGE.W.ADC          LZLGE.W.ADC
##          0          0
##          LZHGE.W.ADC          GLNU_area.W.ADC
##          0          0
##          ZSNU.W.ADC          ZSP.W.ADC
##          0          0
##          GLNU_norm.W.ADC          ZSNU_norm.W.ADC
##          0          0
##          GLVAR_area.W.ADC          ZSVAR.W.ADC
##          0          0
##          Entropy_area.W.ADC
##          0
```

```
df <- na.omit(df)
#df <- na.omit(df)
#Check for normality, if not, normalized the data
summary(df)
```

```
## Institution Failure.binary Failure Entropy_cooc.W.ADC
## A:119 0:130 Min. : 4.767 Min. : 9.533
## B: 28 1: 67 1st Qu.:11.267 1st Qu.:11.559
## C: 23 Median :20.500 Median :12.279
## D: 27 Mean :26.367 Mean :12.279
## 3rd Qu.:37.900 3rd Qu.:12.977
## Max. :97.633 Max. :14.510
## GLNU_align.H.PET Min_hist.PET Max_hist.PET Mean_hist.PET
## Min. : 9.445 Min. : 1.485 Min. : 4.164 Min. : 2.425
## 1st Qu.: 37.518 1st Qu.: 5.152 1st Qu.:13.072 1st Qu.: 7.498
## Median : 80.035 Median : 7.389 Median :21.014 Median :11.449
## Mean : 95.382 Mean : 8.513 Mean :24.271 Mean :13.008
## 3rd Qu.:112.145 3rd Qu.:11.005 3rd Qu.:33.761 3rd Qu.:17.387
## Max. :559.352 Max. :28.404 Max. :79.986 Max. :44.043
## Variance_hist.PET Standard_Deviation_hist.PET Skewness_hist.PET
## Min. : 0.1787 Min. :0.4194 Min. : -0.001136
## 1st Qu.: 2.2583 1st Qu.:1.6391 1st Qu.: 0.444828
## Median : 6.4504 Median :2.7341 Median : 0.734796
## Mean : 9.2575 Mean :3.0492 Mean : 0.911980
## 3rd Qu.:12.6824 3rd Qu.:4.2095 3rd Qu.: 1.199956
## Max. :49.0121 Max. :9.9293 Max. : 4.901172
## Kurtosis_hist.PET Energy_hist.PET Entropy_hist.PET AUC_hist.PET
## Min. : -2.2661 Min. : -0.063283 Min. : 5.296 Min. :0.4403
## 1st Qu.: -0.5259 1st Qu.: -0.012100 1st Qu.: 8.281 1st Qu.:0.5039
## Median : -0.1672 Median : 0.007731 Median : 9.922 Median :0.5170
## Mean : 0.4909 Mean : 0.003647 Mean :11.241 Mean :0.6397
## 3rd Qu.: 0.5017 3rd Qu.: 0.020205 3rd Qu.:12.528 3rd Qu.:0.9764
## Max. :33.7421 Max. : 0.089760 Max. :25.055 Max. :1.1242
## H_suv.PET Volume.PET X3D_surface.PET ratio_3ds_vol.PET
## Min. :0.1557 Min. : 3584 Min. : 926.2 Min. : 0.1171
## 1st Qu.:0.6073 1st Qu.:16846 1st Qu.: 7680.0 1st Qu.: 2.3726
## Median :1.0579 Median :34286 Median :13705.0 Median : 3.5661
## Mean :1.2148 Mean :48419 Mean :21597.6 Mean : 3.7876
```

```

## 3rd Qu.:1.5739    3rd Qu.: 69138    3rd Qu.: 22901.7    3rd Qu.: 4.9584
## Max.    :4.1235    Max.    :283502    Max.    :290926.3    Max.    :11.4815
## ratio_3ds_vol_norm.PET irregularity.PET tumor_length.PET Compactness_v1.PET
## Min.    : 1.487      Min.    :1.730    Min.    : 13.84    Min.    : -0.061021
## 1st Qu.:14.899      1st Qu.:1.963    1st Qu.: 39.34    1st Qu.: 0.003078
## Median :18.320      Median :2.123    Median : 51.36    Median : 0.005560
## Mean    :21.078      Mean    :2.593    Mean    : 62.59    Mean    : 0.005022
## 3rd Qu.:27.985      3rd Qu.:3.553    3rd Qu.: 75.90    3rd Qu.: 0.016708
## Max.    :75.896      Max.    :5.105    Max.    :306.76    Max.    : 0.040820
## Compactness_v2.PET Spherical_disproportion.PET Sphericity.PET
## Min.    : -0.061536    Min.    : 1.487      Min.    : -0.008712
## 1st Qu.: 0.002703    1st Qu.:14.899      1st Qu.: 0.053418
## Median : 0.015918    Median :18.320      Median : 0.070447
## Mean    : 0.038685    Mean    :21.078      Mean    : 0.175106
## 3rd Qu.: 0.032250    3rd Qu.:27.985      3rd Qu.: 0.141500
## Max.    : 0.509032    Max.    :75.896      Max.    : 1.261968
## Asphericity.PET Center_of_mass.PET Max_3D_diam.PET Major_axis_length.PET
## Min.    : 0.4868    Min.    :0.02145    Min.    : 13.84    Min.    : 14.11
## 1st Qu.:13.8993    1st Qu.:0.39969    1st Qu.: 41.92    1st Qu.: 37.32
## Median :17.3200    Median :0.62581    Median : 62.74    Median : 54.19
## Mean    :19.8243    Mean    :0.83411    Mean    : 79.02    Mean    : 66.81
## 3rd Qu.:26.9567    3rd Qu.:1.04679    3rd Qu.: 98.06    3rd Qu.: 83.98
## Max.    :73.8960    Max.    :5.95651    Max.    :306.76    Max.    :288.01
## Minor_axis_length.PET Least_axis_length.PET Elongation.PET Flatness.PET
## Min.    : 10.98      Min.    : 6.961      Min.    :0.2847    Min.    :0.2061
## 1st Qu.: 27.29      1st Qu.: 22.247      1st Qu.:0.6649    1st Qu.:0.5117
## Median : 41.35      Median : 31.747      Median :0.7906    Median :0.6508
## Mean    : 44.56      Mean    : 36.355      Mean    :0.8943    Mean    :0.7124
## 3rd Qu.: 53.41      3rd Qu.: 42.708      3rd Qu.:0.9866    3rd Qu.:0.7964
## Max.    :148.69      Max.    :137.273      Max.    :1.9731    Max.    :1.6248
## Max_cooc.L.PET Average_cooc.L.PET Variance_cooc.L.PET Entropy_cooc.L.PET
## Min.    : -0.061012    Min.    : 7.286      Min.    : 24.0      Min.    : 8.077
## 1st Qu.: -0.010176    1st Qu.:20.927      1st Qu.:137.9      1st Qu.:10.376
## Median : 0.007806    Median :23.525      Median :201.1      Median :10.630
## Mean    : 0.004478    Mean    :27.099      Mean    :217.0      Mean    :12.948
## 3rd Qu.: 0.020696    3rd Qu.:28.993      3rd Qu.:255.3      3rd Qu.:16.154
## Max.    : 0.057722    Max.    :64.058      Max.    :575.6      Max.    :22.440
## DAVE_cooc.L.PET DVAR_cooc.L.PET DENT_cooc.L.PET SAVE_cooc.L.PET
## Min.    : 4.325      Min.    : 21.97      Min.    : 3.635      Min.    : 14.56
## 1st Qu.: 8.901      1st Qu.: 64.46      1st Qu.: 4.657      1st Qu.: 41.85
## Median :12.670      Median : 99.01      Median : 5.062      Median : 47.04
## Mean    :13.886      Mean    :111.59      Mean    : 6.056      Mean    : 54.20
## 3rd Qu.:15.530      3rd Qu.:130.75      3rd Qu.: 7.270      3rd Qu.: 57.95
## Max.    :38.939      Max.    :395.31      Max.    :10.965      Max.    :128.08
## SVAR_cooc.L.PET SENT_cooc.L.PET ASM_cooc.L.PET Contrast_cooc.L.PET
## Min.    : 63.6      Min.    : 4.832      Min.    : -0.0627950    Min.    : 32.37
## 1st Qu.: 399.7      1st Qu.: 6.211      1st Qu.: -0.0121930    1st Qu.: 137.93
## Median : 558.2      Median : 6.469      Median : 0.0040010      Median : 239.14
## Mean    : 595.2      Mean    : 7.722      Mean    : 0.0009685      Mean    : 272.95
## 3rd Qu.: 696.7      3rd Qu.: 9.759      3rd Qu.: 0.0169560      3rd Qu.: 326.69
## Max.    :1671.9      Max.    :13.423      Max.    : 0.0442660      Max.    :1151.93
## Dissimilarity_cooc.L.PET Inv_diff_cooc.L.PET Inv_diff_norm_cooc.L.PET
## Min.    : 4.325      Min.    :0.07774      Min.    :0.7734
## 1st Qu.: 8.901      1st Qu.:0.15401      1st Qu.:0.8409

```

```

## Median :12.670           Median :0.18711       Median :0.8752
## Mean   :13.886           Mean   :0.22728       Mean   :1.0843
## 3rd Qu.:15.530           3rd Qu.:0.28121       3rd Qu.:1.6137
## Max.   :38.939           Max.   :0.65958       Max.   :1.9108
## IDM_cooc.L.PET      IDM_norm_cooc.L.PET  Inv_var_cooc.L.PET
## Min.   :0.006727      Min.   :0.8766        Min.   :0.01145
## 1st Qu.:0.080322      1st Qu.:0.9419        1st Qu.:0.08407
## Median :0.105318      Median :0.9625        Median :0.10969
## Mean   :0.129528      Mean   :1.1972        Mean   :0.13310
## 3rd Qu.:0.166520      3rd Qu.:1.8260        3rd Qu.:0.17249
## Max.   :0.478270      Max.   :2.0165        Max.   :0.47857
## Correlation_cooc.L.PET Autocorrelation_cooc.L.PET Tendency_cooc.L.PET
## Min.   : -0.01336      Min.   : 60.68        Min.   : 63.6
## 1st Qu.: 0.34436      1st Qu.: 492.39        1st Qu.: 399.7
## Median : 0.42414      Median : 614.95        Median : 558.2
## Mean   : 0.49058      Mean   : 693.99        Mean   : 595.2
## 3rd Qu.: 0.62925      3rd Qu.: 811.25        3rd Qu.: 696.7
## Max.   : 1.28668      Max.   :2225.86        Max.   :1671.9
## Shade_cooc.L.PET Prominence_cooc.L.PET      IC1_.L.PET      IC2_.L.PET
## Min.   : -7233      Min.   : 28425        Min.   : -0.360734      Min.   : 0.4430
## 1st Qu.: 2180      1st Qu.: 456518        1st Qu.: -0.126535      1st Qu.: 0.6654
## Median : 4857      Median : 768547        Median : -0.089284      Median : 0.7938
## Mean   : 5987      Mean   : 853930        Mean   : -0.100955      Mean   : 0.9102
## 3rd Qu.: 8315      3rd Qu.:1091790        3rd Qu.: -0.056803      3rd Qu.: 0.9552
## Max.   :24034      Max.   :3269996        Max.   : -0.008777      Max.   :1.9104
## Coarseness_vdif_.L.PET Contrast_vdif_.L.PET Busyness_vdif_.L.PET
## Min.   : -0.061468      Min.   : 0.1886        Min.   : -0.03228
## 1st Qu.: -0.006006      1st Qu.: 0.5195        1st Qu.: 0.06736
## Median : 0.017239      Median : 0.9731        Median : 0.15893
## Mean   : 0.014100      Mean   : 1.4150        Mean   : 0.26365
## 3rd Qu.: 0.033488      3rd Qu.: 1.4553        3rd Qu.: 0.32494
## Max.   : 0.141802      Max.   :18.6449        Max.   : 2.44794
## Complexity_vdif_.L.PET Strength_vdif_.L.PET SRE_align.L.PET LRE_align.L.PET
## Min.   : 7268      Min.   : 2.002        Min.   : 0.8629      Min.   : 0.9847
## 1st Qu.:12641      1st Qu.: 8.460        1st Qu.:0.9715      1st Qu.:1.0571
## Median :17160      Median : 23.324        Median :0.9893      Median :1.0890
## Mean   :19663      Mean   : 39.906        Mean   :1.2275      Mean   :1.3639
## 3rd Qu.:21957      3rd Qu.: 55.792        3rd Qu.:1.9080      3rd Qu.:2.0723
## Max.   :69560      Max.   :295.545        Max.   :2.0211      Max.   :2.4167
## GLNU_align.L.PET RLNU_align.L.PET RP_align.L.PET LGRE_align.L.PET
## Min.   : 1.647      Min.   : 39.43      Min.   :0.8740      Min.   : -0.03560
## 1st Qu.: 8.230      1st Qu.: 300.12      1st Qu.:0.9627      1st Qu.: 0.03366
## Median : 21.227      Median : 713.34      Median :0.9843      Median : 0.06100
## Mean   : 43.923      Mean   : 1406.28      Mean   :1.2196      Mean   : 0.07204
## 3rd Qu.: 62.183      3rd Qu.: 1803.07      3rd Qu.:1.8882      3rd Qu.: 0.10134
## Max.   :441.820      Max.   :15312.68      Max.   :2.0161      Max.   : 0.36303
## HGRE_align.L.PET LGSRE_align.L.PET HGSRE_align.L.PET LGHRE_align.L.PET
## Min.   : 67.61      Min.   : -0.03590      Min.   : 65.67      Min.   : -0.03429
## 1st Qu.: 499.26      1st Qu.: 0.03241      1st Qu.: 487.32      1st Qu.: 0.03791
## Median : 602.00      Median : 0.06090      Median : 584.44      Median : 0.06539
## Mean   : 692.34      Mean   : 0.07031      Mean   : 680.33      Mean   : 0.07954
## 3rd Qu.: 820.69      3rd Qu.: 0.10037      3rd Qu.: 801.22      3rd Qu.: 0.11015
## Max.   :2080.05      Max.   : 0.34822      Max.   :2047.60      Max.   : 0.43073
## HGLRE_align.L.PET GLNU_norm_align.L.PET RLNU_norm_align.L.PET

```

##	Min.	: 76.1	Min.	:-0.03837	Min.	:0.8611		
##	1st Qu.:	535.8	1st Qu.:	0.02299	1st Qu.:	0.9333		
##	Median :	665.0	Median :	0.03344	Median :	0.9634		
##	Mean :	742.8	Mean :	0.03685	Mean :	1.1894		
##	3rd Qu.:	884.2	3rd Qu.:	0.05188	3rd Qu.:	1.7947		
##	Max.	:2209.9	Max.	: 0.18495	Max.	:1.9936		
##	GLVAR_align.L.PET	RLVAR_align.L.PET	Entropy_align.L.PET	SZSE.L.PET				
##	Min.	: 25.37	Min.	:-0.04672	Min.	: 4.280	Min.	:0.1768
##	1st Qu.:	140.87	1st Qu.:	0.01945	1st Qu.:	5.450	1st Qu.:	0.9142
##	Median :	196.49	Median :	0.03054	Median :	5.577	Median :	0.9499
##	Mean :	211.94	Mean :	0.03593	Mean :	6.828	Mean :	1.1618
##	3rd Qu.:	248.98	3rd Qu.:	0.05440	3rd Qu.:	8.560	3rd Qu.:	1.7686
##	Max.	:542.91	Max.	: 0.16722	Max.	:11.667	Max.	:1.9617
##	LZSE.L.PET	LGLZE.L.PET	HGLZE.L.PET	SZLGE.L.PET				
##	Min.	:1.003	Min.	:-0.03560	Min.	: 71.77	Min.	:-0.04675
##	1st Qu.:	1.248	1st Qu.:	0.03474	1st Qu.:	502.88	1st Qu.:	0.03069
##	Median :	1.354	Median :	0.06054	Median :	603.02	Median :	0.05654
##	Mean :	1.758	Mean :	0.07159	Mean :	695.76	Mean :	0.06579
##	3rd Qu.:	2.358	3rd Qu.:	0.10166	3rd Qu.:	819.19	3rd Qu.:	0.09873
##	Max.	:5.785	Max.	: 0.35820	Max.	:1988.06	Max.	: 0.30999
##	SZHGE.L.PET	LZLGE.L.PET	LZHGE.L.PET	GLNU_area.L.PET				
##	Min.	: 65.32	Min.	:-0.02915	Min.	: 115.8	Min.	: 1.551
##	1st Qu.:	467.58	1st Qu.:	0.04621	1st Qu.:	623.2	1st Qu.:	7.695
##	Median :	561.06	Median :	0.08144	Median :	783.7	Median :	19.019
##	Mean :	652.04	Mean :	0.10463	Mean :	926.5	Mean :	39.542
##	3rd Qu.:	772.90	3rd Qu.:	0.13560	3rd Qu.:	1075.6	3rd Qu.:	57.064
##	Max.	:1911.50	Max.	: 0.71824	Max.	:3030.5	Max.	:408.095
##	ZSNU.L.PET	ZSP.L.PET	GLNU_norm.L.PET	ZSNU_norm.L.PET				
##	Min.	: 35.19	Min.	:0.3864	Min.	:-0.03836	Min.	:0.7155
##	1st Qu.:	254.69	1st Qu.:	0.8886	1st Qu.:	0.02259	1st Qu.:	0.8153
##	Median :	594.33	Median :	0.9286	Median :	0.03365	Median :	0.8713
##	Mean :	1125.99	Mean :	1.1336	Mean :	0.03628	Mean :	1.0601
##	3rd Qu.:	1322.79	3rd Qu.:	1.6321	3rd Qu.:	0.05133	3rd Qu.:	1.4555
##	Max.	:12249.90	Max.	:1.9410	Max.	: 0.18003	Max.	:1.8450
##	GLVAR_area.L.PET	ZSVAR.L.PET	Entropy_area.L.PET	Max_cooc.H.PET				
##	Min.	: 27.01	Min.	:0.00253	Min.	: 4.512	Min.	:-0.04902
##	1st Qu.:	144.01	1st Qu.:	0.08041	1st Qu.:	5.689	1st Qu.:	0.02770
##	Median :	196.99	Median :	0.12536	Median :	5.858	Median :	0.06533
##	Mean :	213.84	Mean :	0.17957	Mean :	7.134	Mean :	0.10212
##	3rd Qu.:	250.79	3rd Qu.:	0.20093	3rd Qu.:	9.648	3rd Qu.:	0.14406
##	Max.	:534.49	Max.	:1.05837	Max.	:12.150	Max.	: 0.81117
##	Average_cooc.H.PET	Variance_cooc.H.PET	Entropy_cooc.H.PET	DAVE_cooc.H.PET				
##	Min.	:36.47	Min.	: 1.866	Min.	: 2.473	Min.	: 0.6999
##	1st Qu.:	38.49	1st Qu.:	226.943	1st Qu.:	5.687	1st Qu.:	11.9980
##	Median :	42.01	Median :	276.466	Median :	7.103	Median :	14.1391
##	Mean :	51.10	Mean :	305.171	Mean :	7.840	Mean :	16.3158
##	3rd Qu.:	72.93	3rd Qu.:	297.145	3rd Qu.:	7.871	3rd Qu.:	18.1939
##	Max.	:93.09	Max.	:611.179	Max.	:16.101	Max.	:36.3879
##	DVAR_cooc.H.PET	DENT_cooc.H.PET	SAVE_cooc.H.PET	SVAR_cooc.H.PET				
##	Min.	: 2.353	Min.	: 0.8283	Min.	: 72.92	Min.	: 4.611
##	1st Qu.:	121.528	1st Qu.:	3.0993	1st Qu.:	76.41	1st Qu.:	656.858
##	Median :	151.762	Median :	4.1300	Median :	79.88	Median :	753.357
##	Mean :	169.383	Mean :	4.3811	Mean :	99.66	Mean :	840.679
##	3rd Qu.:	191.314	3rd Qu.:	4.9869	3rd Qu.:	145.84	3rd Qu.:	886.786


```

## Max. :394.861 Max. :10.0676 Max. :186.16 Max. :1776.231
## SENT_cooc.H.PET ASM_cooc.H.PET Contrast_cooc.H.PET
## Min. : 0.302 Min. :-0.05834 Min. : 2.821
## 1st Qu.: 2.981 1st Qu.: 0.01188 1st Qu.: 266.667
## Median : 4.955 Median : 0.03473 Median : 349.442
## Mean : 5.092 Mean : 0.05256 Mean : 389.651
## 3rd Qu.: 5.976 3rd Qu.: 0.07810 3rd Qu.: 457.092
## Max. :12.565 Max. : 0.65981 Max. :1055.743
## Dissimilarity_cooc.H.PET Inv_diff_cooc.H.PET Inv_diff_norm_cooc.H.PET
## Min. : 0.6999 Min. :0.1124 Min. :0.7478
## 1st Qu.:11.9980 1st Qu.:0.2252 1st Qu.:0.8304
## Median :14.1391 Median :0.3182 Median :0.8601
## Mean :16.3158 Mean :0.3705 Mean :1.0644
## 3rd Qu.:18.1939 3rd Qu.:0.4680 3rd Qu.:1.5894
## Max. :36.3879 Max. :1.2243 Max. :1.8274
## IDM_cooc.H.PET IDM_norm_cooc.H.PET Inv_var_cooc_.H.PET
## Min. :0.05396 Min. :0.8484 Min. :-0.055882
## 1st Qu.:0.16043 1st Qu.:0.9278 1st Qu.: 0.009132
## Median :0.25827 Median :0.9475 Median : 0.027178
## Mean :0.30526 Mean :1.1756 Mean : 0.026354
## 3rd Qu.:0.38620 3rd Qu.:1.7906 3rd Qu.: 0.044357
## Max. :1.17324 Max. :1.9649 Max. : 0.123834
## Correlation_cooc.H.PET Autocorrelation_cooc.H.PET Tendency_cooc.H.PET
## Min. :-0.000138 Min. :1474 Min. : 4.611
## 1st Qu.: 0.315680 1st Qu.:1599 1st Qu.: 629.846
## Median : 0.392730 Median :1849 Median : 753.311
## Mean : 0.450630 Mean :2206 Mean : 831.034
## 3rd Qu.: 0.558411 3rd Qu.:2950 3rd Qu.: 888.115
## Max. : 1.225154 Max. :4427 Max. :1776.231
## Shade_cooc.H.PET Prominence_cooc.H.PET IC1_d.H.PET IC2_d.H.PET
## Min. :-15874 Min. : 134 Min. :-0.26739 Min. :0.2221
## 1st Qu.: -5732 1st Qu.: 729696 1st Qu.: -0.09830 1st Qu.:0.4330
## Median : -3931 Median :1173937 Median :-0.05559 Median :0.5250
## Mean : -4088 Mean :1214525 Mean :-0.06806 Mean :0.6034
## 3rd Qu.: -2025 3rd Qu.:1469772 3rd Qu.: -0.03012 3rd Qu.:0.7239
## Max. : 3449 Max. :3219875 Max. : 0.01637 Max. :1.4532
## Coarseness_vdif.H.PET Contrast_vdif.H.PET Busyness_vdif.H.PET
## Min. :-0.063165 Min. : 0.2156 Min. :-0.02149
## 1st Qu.: -0.012344 1st Qu.: 38.2720 1st Qu.: 0.12606
## Median : 0.005432 Median : 62.4850 Median : 0.31395
## Mean : 0.001635 Mean : 112.8780 Mean : 2.29160
## 3rd Qu.: 0.018121 3rd Qu.: 134.1018 3rd Qu.: 0.83327
## Max. : 0.052168 Max. :1099.8953 Max. :40.35804
## Complexity_vdif.H.PET Strength_vdif.H.PET SRE_align.H.PET LRE_align.H.PET
## Min. : 1806 Min. : 0.2884 Min. :0.4984 Min. :1.163
## 1st Qu.:17897 1st Qu.: 4.5072 1st Qu.:0.8453 1st Qu.:1.393
## Median :25517 Median : 13.9361 Median :0.9161 Median :1.828
## Mean :27323 Mean : 39.8013 Mean :1.0944 Mean :2.249
## 3rd Qu.:33113 3rd Qu.: 39.7754 3rd Qu.:1.4601 3rd Qu.:2.706
## Max. :77554 Max. :2126.3694 Max. :1.9425 Max. :6.679
## RLNU_align.H.PET RP_align.H.PET LGRE_align.H.PET HGRE_align.H.PET
## Min. : 29.06 Min. :0.4429 Min. :-0.061932 Min. :1443
## 1st Qu.: 166.08 1st Qu.:0.8112 1st Qu.: -0.010726 1st Qu.:1551
## Median : 493.35 Median :0.8881 Median : 0.005428 Median :1765

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## Mean : 1003.64	Mean :1.0512	Mean : 0.002599	Mean :2118
## 3rd Qu.: 1232.19	3rd Qu.:1.3806	3rd Qu.: 0.018529	3rd Qu.:2920
## Max. :12515.43	Max. :1.9135	Max. : 0.058436	Max. :4928
## LGSRE_align.H.PET	HGSRE_align.H.PET	LGHRE_align.H.PET	HGLRE_align.H.PET
## Min. : -0.062119	Min. :1105	Min. : -0.060688	Min. : 1739
## 1st Qu.: -0.010919	1st Qu.:1389	1st Qu.: -0.009758	1st Qu.: 2166
## Median : 0.005302	Median :1475	Median : 0.006693	Median : 3318
## Mean : 0.002353	Mean :1826	Mean : 0.004084	Mean : 3978
## 3rd Qu.: 0.018418	3rd Qu.:2615	3rd Qu.: 0.020079	3rd Qu.: 4836
## Max. : 0.057712	Max. :3746	Max. : 0.061592	Max. :15092
## GLNU_norm_align.H.PET	RLNU_norm_align.H.PET	GLVAR_align.H.PET	
## Min. :0.000795	Min. :0.2702	Min. : 1.666	
## 1st Qu.:0.107847	1st Qu.:0.6952	1st Qu.:232.056	
## Median :0.174514	Median :0.8057	Median :295.015	
## Mean :0.222793	Mean :0.9222	Mean :324.108	
## 3rd Qu.:0.295122	3rd Qu.:1.0280	3rd Qu.:329.111	
## Max. :0.883282	Max. :1.8171	Max. :695.249	
## RLVAR_align.H.PET	Entropy_align.H.PET	SZSE.H.PET	LZSE.H.PET
## Min. :0.02306	Min. :2.128	Min. :0.1136	Min. : 1.946
## 1st Qu.:0.13992	1st Qu.:3.381	1st Qu.:0.6298	1st Qu.: 3.659
## Median :0.25736	Median :3.839	Median :0.7709	Median : 7.177
## Mean :0.37168	Mean :4.472	Mean :0.8590	Mean : 78.744
## 3rd Qu.:0.49132	3rd Qu.:4.953	3rd Qu.:0.8672	3rd Qu.: 21.995
## Max. :2.02894	Max. :9.332	Max. :1.7258	Max. :3263.559
## LGLZE.H.PET	HGLZE.H.PET	SZLGE.H.PET	SZHGE.H.PET
## Min. : -0.062002	Min. :1213	Min. : -0.062397	Min. : 244.1
## 1st Qu.: -0.010533	1st Qu.:1534	1st Qu.: -0.011847	1st Qu.:1084.3
## Median : 0.005468	Median :1870	Median : 0.005118	Median :1212.6
## Mean : 0.002728	Mean :2183	Mean : 0.002011	Mean :1427.6
## 3rd Qu.: 0.018478	3rd Qu.:2748	3rd Qu.: 0.017706	3rd Qu.:1618.4
## Max. : 0.063216	Max. :4732	Max. : 0.062112	Max. :3237.0
## LZLGE.H.PET	LZHGE.H.PET	GLNU_area.H.PET	ZSNU.H.PET
## Min. : -0.054985	Min. : 2645	Min. : 3.737	Min. : 2.096
## 1st Qu.: 0.008822	1st Qu.: 5590	1st Qu.: 23.451	1st Qu.: 52.451
## Median : 0.027093	Median : 15647	Median : 51.916	Median : 174.378
## Mean : 0.075976	Mean : 161924	Mean : 94.734	Mean : 458.281
## 3rd Qu.: 0.064368	3rd Qu.: 44703	3rd Qu.:132.613	3rd Qu.: 511.028
## Max. : 2.074899	Max. :5859252	Max. :872.124	Max. :6851.599
## ZSP.H.PET	GLNU_norm.H.PET	ZSNU_norm.H.PET	GLVAR_area.H.PET
## Min. :0.00288	Min. :0.000309	Min. :0.1394	Min. : 4.462
## 1st Qu.:0.40544	1st Qu.:0.106671	1st Qu.:0.3770	1st Qu.:229.704
## Median :0.62856	Median :0.172544	Median :0.5521	Median :297.243
## Mean :0.64546	Mean :0.215413	Mean :0.5858	Mean :324.218
## 3rd Qu.:0.76959	3rd Qu.:0.287310	3rd Qu.:0.6712	3rd Qu.:340.901
## Max. :1.59616	Max. :0.855168	Max. :1.3792	Max. :719.046
## ZSVAR_H.PET	Entropy_area.H.PET	Max_cooc.W.PET	Average_cooc.W.PET
## Min. : 0.3741	Min. : 2.980	Min. : -0.059812	Min. : 1.598
## 1st Qu.: 1.3509	1st Qu.: 4.319	1st Qu.: 0.006934	1st Qu.: 5.456
## Median : 5.0446	Median : 4.662	Median : 0.025257	Median : 9.169
## Mean : 71.8617	Mean : 5.548	Mean : 0.033306	Mean :10.771
## 3rd Qu.: 16.7681	3rd Qu.: 6.824	3rd Qu.: 0.051286	3rd Qu.:14.611
## Max. :2860.0216	Max. :10.652	Max. : 0.449036	Max. :36.018
## Variance_cooc.W.PET	Entropy_cooc.W.PET	DAVE_cooc.W.PET	DVAR_cooc.W.PET
## Min. : 0.8107	Min. : 2.897	Min. : 0.6561	Min. : 0.5749

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## 1st Qu.: 9.3123      1st Qu.: 6.861      1st Qu.: 2.6785      1st Qu.: 4.7001
## Median : 27.0179     Median : 8.627      Median : 4.6500     Median :12.8543
## Mean   : 37.3629     Mean   : 9.635      Mean   : 5.1596     Mean   :18.6218
## 3rd Qu.: 53.1635     3rd Qu.:10.508     3rd Qu.: 7.0237     3rd Qu.:28.4017
## Max.   :201.4968     Max.   :20.210      Max.   :15.3052     Max.   :86.3098
## DENT_cooc.W.PET SAVE_cooc.W.PET SVAR_cooc.W.PET SENT_cooc.W.PET
## Min.   :1.532      Min.   : 3.179      Min.   : 2.122      Min.   : 2.149
## 1st Qu.:2.966      1st Qu.:10.896     1st Qu.: 25.538     1st Qu.: 4.207
## Median :3.812      Median :18.391     Median : 72.682     Median : 5.079
## Mean   :4.220      Mean   :21.542     Mean   :104.483     Mean   : 5.817
## 3rd Qu.:4.501      3rd Qu.:29.255     3rd Qu.:139.053     3rd Qu.: 6.449
## Max.   :8.815      Max.   :72.004     Max.   :665.393     Max.   :12.170
## ASM_cooc.W.PET Contrast_cooc.W.PET Dissimilarity_cooc.W.PET
## Min.   : -0.062353  Min.   : 1.089      Min.   : 0.6561
## 1st Qu.: -0.004474  1st Qu.: 11.192     1st Qu.: 2.6785
## Median : 0.016520   Median : 30.108     Median : 4.6500
## Mean   : 0.014274   Mean   : 44.970     Mean   : 5.1596
## 3rd Qu.: 0.034118   3rd Qu.: 73.855     3rd Qu.: 7.0237
## Max.   : 0.253551   Max.   :202.948     Max.   :15.3052
## Inv_diff_cooc.W.PET Inv_diff_norm_cooc.W.PET IDM_cooc.W.PET
## Min.   :0.1633      Min.   :0.7791      Min.   :0.07432
## 1st Qu.:0.2752      1st Qu.:0.8451      1st Qu.:0.18502
## Median :0.3964      Median :0.8758      Median :0.30145
## Mean   :0.4418      Mean   :1.0870      Mean   :0.33895
## 3rd Qu.:0.5466      3rd Qu.:1.6416      3rd Qu.:0.43576
## Max.   :1.2799      Max.   :1.9114      Max.   :1.21935
## IDM_norm_cooc.W.PET Inv_var_cooc.W.PET Correlation_cooc.W.PET
## Min.   :0.8769      Min.   :0.07723     Min.   : -0.0277
## 1st Qu.:0.9430      1st Qu.:0.19117     1st Qu.: 0.3427
## Median :0.9636      Median :0.28977     Median : 0.4127
## Mean   :1.1979      Mean   :0.32696     Mean   : 0.4866
## 3rd Qu.:1.8477      3rd Qu.:0.41129     3rd Qu.: 0.6186
## Max.   :2.0164      Max.   :1.04619     Max.   : 1.2818
## Autocorrelation_cooc.W.PET Tendency_cooc.W.PET Shade_cooc.W.PET
## Min.   : 2.776      Min.   : 2.122      Min.   : -472.31
## 1st Qu.: 32.984      1st Qu.: 25.538     1st Qu.: 24.62
## Median : 86.175      Median : 72.682     Median : 218.44
## Mean   :130.362      Mean   :104.483     Mean   : 692.68
## 3rd Qu.:178.427      3rd Qu.:139.053     3rd Qu.: 707.21
## Max.   :749.138      Max.   :665.393     Max.   :16137.66
## Prominence_cooc.W.PET IC1_d.W.PET IC2_d.W.PET
## Min.   : 21.1      Min.   : -0.21907     Min.   :0.3013
## 1st Qu.: 1874.4     1st Qu.: -0.08709     1st Qu.:0.4948
## Median : 13676.0     Median : -0.05299     Median :0.5904
## Mean   : 55611.2     Mean   : -0.06354     Mean   :0.6821
## 3rd Qu.: 45767.4     3rd Qu.: -0.03315     3rd Qu.:0.8056
## Max.   :1509311.3     Max.   : 0.00861     Max.   :1.5168
## Coarseness_vdif.W.PET Contrast_vdif.W.PET Busyness_vdif.W.PET
## Min.   : -0.06146     Min.   :0.000965     Min.   : 0.03516
## 1st Qu.: -0.00453     1st Qu.:0.150611     1st Qu.: 0.56267
## Median : 0.01781     Median :0.280164     Median : 1.43660
## Mean   : 0.01721     Mean   :0.342734     Mean   : 2.16432
## 3rd Qu.: 0.03610     3rd Qu.:0.452249     3rd Qu.: 3.15534
## Max.   : 0.20872     Max.   :1.444736     Max.   :11.12206

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## Complexity_vdif.W.PET Strength_vdif.W.PET SRE_align.W.PET LRE_align.W.PET
## Min. : 5.614 Min. : 0.1781 Min. : 0.7395 Min. : 1.046
## 1st Qu.: 194.871 1st Qu.: 1.1065 1st Qu.: 0.9134 1st Qu.: 1.170
## Median : 984.268 Median : 2.2893 Median : 0.9574 Median : 1.370
## Mean : 2062.542 Mean : 5.0491 Mean : 1.1734 Mean : 1.662
## 3rd Qu.: 2569.228 3rd Qu.: 5.8991 3rd Qu.: 1.7269 3rd Qu.: 2.255
## Max. : 20059.404 Max. : 61.7200 Max. : 1.9861 Max. : 3.585
## GLNU_align.W.PET RLNU_align.W.PET RP_align.W.PET LGRE_align.W.PET
## Min. : 5.344 Min. : 34.44 Min. : 0.6657 Min. : -0.01941
## 1st Qu.: 27.625 1st Qu.: 243.12 1st Qu.: 0.8961 1st Qu.: 0.09795
## Median : 60.907 Median : 588.96 Median : 0.9437 Median : 0.17543
## Mean : 93.014 Mean : 1247.59 Mean : 1.1491 Mean : 0.21609
## 3rd Qu.: 112.549 3rd Qu.: 1477.14 3rd Qu.: 1.6687 3rd Qu.: 0.28936
## Max. : 585.246 Max. : 14756.99 Max. : 1.9718 Max. : 0.80922
## HGRE_align.W.PET LGSRE_align.W.PET HGSRE_align.W.PET LGHRE_align.W.PET
## Min. : 2.83 Min. : -0.02025 Min. : 2.439 Min. : -0.01581
## 1st Qu.: 31.63 1st Qu.: 0.09226 1st Qu.: 29.165 1st Qu.: 0.11778
## Median : 85.35 Median : 0.15830 Median : 82.365 Median : 0.22250
## Mean : 130.67 Mean : 0.19832 Mean : 125.584 Mean : 0.31693
## 3rd Qu.: 181.54 3rd Qu.: 0.27032 3rd Qu.: 176.987 3rd Qu.: 0.43051
## Max. : 749.93 Max. : 0.70224 Max. : 721.820 Max. : 2.01331
## HGLRE_align.W.PET GLNU_norm_align.W.PET RLNU_norm_align.W.PET
## Min. : 5.043 Min. : -0.03140 Min. : 0.5313
## 1st Qu.: 41.894 1st Qu.: 0.05388 1st Qu.: 0.8197
## Median : 102.892 Median : 0.09042 Median : 0.8985
## Mean : 153.740 Mean : 0.11510 Mean : 1.0688
## 3rd Qu.: 207.370 3rd Qu.: 0.15921 3rd Qu.: 1.3888
## Max. : 872.887 Max. : 0.53440 Max. : 1.9165
## GLVAR_align.W.PET RLVAR_align.W.PET Entropy_align.W.PET SZSE.W.PET
## Min. : 0.6799 Min. : -0.02491 Min. : 2.364 Min. : 0.1446
## 1st Qu.: 8.9257 1st Qu.: 0.05873 1st Qu.: 3.940 1st Qu.: 0.7905
## Median : 26.1549 Median : 0.11017 Median : 4.641 Median : 0.8713
## Mean : 37.3810 Mean : 0.14379 Mean : 5.332 Mean : 1.0228
## 3rd Qu.: 51.2124 3rd Qu.: 0.19111 3rd Qu.: 5.889 3rd Qu.: 1.2783
## Max. : 197.9114 Max. : 0.74587 Max. : 10.991 Max. : 1.8620
## LZSE.W.PET LGLZE.W.PET HGLZE.W.PET SZLGE.W.PET
## Min. : 1.319 Min. : -0.01897 Min. : 4.719 Min. : -0.02662
## 1st Qu.: 1.828 1st Qu.: 0.09971 1st Qu.: 32.919 1st Qu.: 0.08003
## Median : 3.062 Median : 0.16869 Median : 88.919 Median : 0.13095
## Mean : 5.582 Mean : 0.20838 Mean : 132.558 Mean : 0.15976
## 3rd Qu.: 5.821 3rd Qu.: 0.29480 3rd Qu.: 187.907 3rd Qu.: 0.22850
## Max. : 52.606 Max. : 0.74683 Max. : 739.930 Max. : 0.59463
## SZHGE.W.PET LZLGE.W.PET LZHGE.W.PET GLNU_area.W.PET
## Min. : 3.586 Min. : -0.00334 Min. : 29.12 Min. : 3.955
## 1st Qu.: 24.620 1st Qu.: 0.17882 1st Qu.: 117.24 1st Qu.: 19.251
## Median : 77.473 Median : 0.39627 Median : 219.86 Median : 43.031
## Mean : 116.907 Mean : 1.68893 Mean : 279.58 Mean : 70.400
## 3rd Qu.: 164.783 3rd Qu.: 1.22155 3rd Qu.: 390.53 3rd Qu.: 80.177
## Max. : 648.206 Max. : 38.43046 Max. : 1468.92 Max. : 523.768
## ZSNU.W.PET ZSP.W.PET GLNU_norm.W.PET ZSNU_norm.W.PET
## Min. : 13.29 Min. : 0.2638 Min. : -0.03171 Min. : 0.3028
## 1st Qu.: 126.68 1st Qu.: 0.6851 1st Qu.: 0.05384 1st Qu.: 0.5907
## Median : 369.19 Median : 0.8149 Median : 0.08874 Median : 0.7271
## Mean : 807.76 Mean : 0.9093 Mean : 0.11167 Mean : 0.8091

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## 3rd Qu.: 976.44 3rd Qu.:0.9165 3rd Qu.: 0.15491 3rd Qu.:0.8512
## Max. :10982.07 Max. :1.8140 Max. : 0.53949 Max. :1.6323
## GLVAR_area.W.PET ZSVAR.W.PET Entropy_area.W.PET Min_hist.ADC
## Min. : 1.139 Min. : 0.08773 Min. : 3.231 Min. : -0.0629
## 1st Qu.: 9.309 1st Qu.: 0.31288 1st Qu.: 4.692 1st Qu.: 0.0159
## Median : 26.776 Median : 0.82646 Median : 5.089 Median : 202.0159
## Mean : 38.267 Mean : 2.67281 Mean : 6.053 Mean : 372.1823
## 3rd Qu.: 52.241 3rd Qu.: 2.10797 3rd Qu.: 6.989 3rd Qu.: 657.0025
## Max. :205.064 Max. :42.32352 Max. :11.929 Max. :1834.0386
## Max_hist.ADC Mean_hist.ADC Variance_hist.ADC Standard_Deviation_hist.ADC
## Min. :1584 Min. : 770.5 Min. : 24185 Min. :155.5
## 1st Qu.:2157 1st Qu.:1105.7 1st Qu.: 54876 1st Qu.:237.2
## Median :2491 Median :1246.8 Median : 97348 Median :324.6
## Mean :2881 Mean :1471.6 Mean :110699 Mean :358.0
## 3rd Qu.:3206 3rd Qu.:1698.2 3rd Qu.:128881 3rd Qu.:420.9
## Max. :6566 Max. :3979.1 Max. :433425 Max. :931.1
## Skewness_hist.ADC Kurtosis_hist.ADC Energy_hist.ADC Entropy_hist.ADC
## Min. :-2.86142 Min. :-1.03080 Min. :-0.061697 Min. : 6.367
## 1st Qu.: 0.08714 1st Qu.: 0.07697 1st Qu.: -0.010850 1st Qu.: 8.912
## Median : 0.47482 Median : 0.56705 Median : 0.005925 Median : 9.427
## Mean : 0.48975 Mean : 0.91228 Mean : 0.002762 Mean :11.377
## 3rd Qu.: 0.86498 3rd Qu.: 1.22031 3rd Qu.: 0.018290 3rd Qu.:12.734
## Max. : 2.90688 Max. : 7.95446 Max. : 0.056900 Max. :21.409
## AUC_hist.ADC Volume.ADC X3D_surface.ADC ratio_3ds_vol.ADC
## Min. :0.4209 Min. : 3309 Min. : 836.3 Min. :0.06764
## 1st Qu.:0.5013 1st Qu.: 17331 1st Qu.: 4274.9 1st Qu.:0.19507
## Median :0.5321 Median : 34939 Median : 7760.7 Median :0.26240
## Mean :0.6578 Mean : 49327 Mean :11891.5 Mean :0.31648
## 3rd Qu.:0.8417 3rd Qu.: 69781 3rd Qu.:15321.4 3rd Qu.:0.35928
## Max. :1.2567 Max. :283036 Max. :60866.2 Max. :1.12860
## ratio_3ds_vol_norm.ADC irregularity.ADC Compactness_v1.ADC Compactness_v2.ADC
## Min. :1.152 Min. :1.420 Min. :-0.04630 Min. :0.03537
## 1st Qu.:1.419 1st Qu.:1.660 1st Qu.: 0.01935 1st Qu.:0.27212
## Median :1.530 Median :1.775 Median : 0.03492 Median :0.34432
## Mean :1.892 Mean :2.192 Mean : 0.03625 Mean :0.39037
## 3rd Qu.:2.633 3rd Qu.:2.840 3rd Qu.: 0.04998 3rd Qu.:0.45219
## Max. :4.304 Max. :4.526 Max. : 0.10334 Max. :0.94104
## Spherical_disproportion.ADC Sphericity.ADC Asphericity.ADC
## Min. :1.152 Min. :0.3986 Min. :0.1525
## 1st Qu.:1.419 1st Qu.:0.6457 1st Qu.:0.4186
## Median :1.530 Median :0.7019 Median :0.5299
## Mean :1.892 Mean :0.8408 Mean :0.6381
## 3rd Qu.:2.633 3rd Qu.:0.8910 3rd Qu.:0.7901
## Max. :4.304 Max. :1.5696 Max. :2.3040
## Center_of_mass.ADC Max_3D_diam.ADC Major_axis_length.ADC
## Min. :0.03906 Min. : 19.46 Min. : 18.66
## 1st Qu.:0.44876 1st Qu.: 59.94 1st Qu.: 44.70
## Median :0.74819 Median : 84.20 Median : 58.07
## Mean :1.14812 Mean :101.26 Mean : 67.84
## 3rd Qu.:1.44506 3rd Qu.:124.32 3rd Qu.: 80.89
## Max. :6.61714 Max. :319.24 Max. :205.34
## Minor_axis_length.ADC Least_axis_length.ADC Elongation.ADC Flatness.ADC
## Min. : 11.84 Min. : 9.012 Min. :0.3876 Min. :0.2899
## 1st Qu.: 29.77 1st Qu.: 21.457 1st Qu.:0.6664 1st Qu.:0.4574

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## Median : 43.04      Median : 31.121      Median :0.8188      Median :0.5959
## Mean : 49.96      Mean : 36.797      Mean :0.9163      Mean :0.6695
## 3rd Qu.: 60.53      3rd Qu.: 45.643      3rd Qu.:0.9657      3rd Qu.:0.7832
## Max. :146.27      Max. :126.071      Max. :1.9194      Max. :1.6007
## Max_cooc.L.ADC      Average_cooc.L.ADC      Variance_cooc.L.ADC      Entropy_cooc.L.ADC
## Min. : -0.060698      Min. :11.94      Min. : 26.79      Min. : 7.953
## 1st Qu.: -0.005478      1st Qu.:24.84      1st Qu.: 57.78      1st Qu.: 9.459
## Median : 0.009990      Median :29.80      Median : 91.69      Median : 9.990
## Mean : 0.008675      Mean :34.80      Mean :102.87      Mean :12.091
## 3rd Qu.: 0.024420      3rd Qu.:41.31      3rd Qu.:125.60      3rd Qu.:16.775
## Max. : 0.070194      Max. :87.69      Max. :364.52      Max. :21.438
## DAVE_cooc.L.ADC      DVAR_cooc.L.ADC      DENT_cooc.L.ADC      SAVE_cooc.L.ADC
## Min. : 3.797      Min. : 15.20      Min. : 3.477      Min. : 23.88
## 1st Qu.: 6.137      1st Qu.: 31.59      1st Qu.: 4.117      1st Qu.: 49.69
## Median : 7.790      Median : 45.96      Median : 4.445      Median : 59.59
## Mean : 8.909      Mean : 52.47      Mean : 5.329      Mean : 69.60
## 3rd Qu.: 9.895      3rd Qu.: 63.89      3rd Qu.: 7.051      3rd Qu.: 82.59
## Max. :24.018      Max. :192.64      Max. :10.000      Max. :175.38
## SVAR_cooc.L.ADC      SENT_cooc.L.ADC      ASM_cooc.L.ADC      Contrast_cooc.L.ADC
## Min. : 76.88      Min. : 0.4244      Min. : -0.06258      Min. : 30.25
## 1st Qu.:168.78      1st Qu.: 3.5924      1st Qu.: -0.01124      1st Qu.: 68.18
## Median :238.12      Median : 4.6982      Median : 0.00535      Median :101.13
## Mean :290.97      Mean : 4.9922      Mean : 0.00231      Mean :120.50
## 3rd Qu.:361.56      3rd Qu.: 5.2351      3rd Qu.: 0.01817      3rd Qu.:146.32
## Max. :977.73      Max. :10.7853      Max. : 0.04834      Max. :480.30
## Dissimilarity_cooc.L.ADC      Inv_diff_cooc.L.ADC      Inv_diff_norm_cooc.L.ADC
## Min. : 3.797      Min. :0.1211      Min. :0.8159
## 1st Qu.: 6.137      1st Qu.:0.2120      1st Qu.:0.8884
## Median : 7.790      Median :0.2541      Median :0.9164
## Mean : 8.909      Mean :0.3072      Mean :1.1370
## 3rd Qu.: 9.895      3rd Qu.:0.3664      3rd Qu.:1.7296
## Max. :24.018      Max. :0.7329      Max. :1.9233
## IDM_cooc.L.ADC      IDM_norm_cooc.L.ADC      Inv_var_cooc.L.ADC
## Min. :0.03829      Min. :0.9046      Min. :0.04011
## 1st Qu.:0.12604      1st Qu.:0.9695      1st Qu.:0.13166
## Median :0.16496      Median :0.9873      Median :0.17144
## Mean :0.19917      Mean :1.2268      Mean :0.20488
## 3rd Qu.:0.24259      3rd Qu.:1.9071      3rd Qu.:0.24624
## Max. :0.56514      Max. :2.0233      Max. :0.57456
## Correlation_cooc.L.ADC      Autocorrelation_.L.ADC      Tendency_cooc.L.ADC
## Min. :0.1004      Min. : 159.6      Min. : 76.88
## 1st Qu.:0.3627      1st Qu.: 660.4      1st Qu.:168.78
## Median :0.4566      Median : 901.9      Median :238.12
## Mean :0.5177      Mean :1049.5      Mean :290.97
## 3rd Qu.:0.5883      3rd Qu.:1255.8      3rd Qu.:361.56
## Max. :1.3433      Max. :3868.3      Max. :977.73
## Shade_.L.ADC      Prominence_cooc.L.ADC      IC1_.L.ADC      IC2_.L.ADC
## Min. : -9355.5      Min. : 31891      Min. : -0.355780      Min. :0.3575
## 1st Qu.: 339.3      1st Qu.: 104430      1st Qu.: -0.105700      1st Qu.:0.6076
## Median :1241.6      Median :193879      Median : -0.069750      Median :0.6945
## Mean :1925.1      Mean :271202      Mean : -0.082097      Mean :0.8307
## 3rd Qu.:2696.2      3rd Qu.:358073      3rd Qu.: -0.049570      3rd Qu.:0.9135
## Max. :17923.8      Max. :1477801      Max. : -0.000042      Max. :1.8831
## Coarseness_vdif_.L.ADC      Contrast_vdif_.L.ADC      Busyness_vdif_.L.ADC

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## Min.      :-0.061827      Min.      :0.03438      Min.      :-0.00377
## 1st Qu.: -0.006482      1st Qu.: 0.18037      1st Qu.: 0.07402
## Median : 0.011012      Median : 0.30336      Median : 0.15940
## Mean    : 0.010556      Mean    : 0.43449      Mean    : 0.28774
## 3rd Qu.: 0.024980      3rd Qu.: 0.50912      3rd Qu.: 0.38552
## Max.    : 0.159060      Max.    : 2.88890      Max.    : 2.83448
## Complexity_vdif_.L.ADC Strength_vdif_.L.ADC SRE_align.L.ADC LRE_align.L.ADC
## Min.    : 3160      Min.    : 0.6215      Min.    : 0.8781      Min.    : 1.013
## 1st Qu.: 5699      1st Qu.: 3.5323      1st Qu.: 0.9595      1st Qu.: 1.099
## Median : 7329      Median : 6.7704      Median : 0.9763      Median : 1.158
## Mean    : 7989      Mean    : 11.7712     Mean    : 1.2112     Mean    : 1.444
## 3rd Qu.: 8949      3rd Qu.: 10.9074     3rd Qu.: 1.8500     3rd Qu.: 2.124
## Max.    : 19146     Max.    : 124.5108     Max.    : 2.0115     Max.    : 2.695
## GLNU_align.L.ADC RLNU_align.L.ADC RP_align.L.ADC LGRE_align.L.ADC
## Min.    : 2.928      Min.    : 83.32      Min.    : 0.8566      Min.    : -0.060495
## 1st Qu.: 23.171     1st Qu.: 735.51     1st Qu.: 0.9450     1st Qu.: -0.009555
## Median : 58.656     Median : 1490.24     Median : 0.9671     Median : 0.011670
## Mean    : 139.308    Mean    : 3196.96     Mean    : 1.1970     Mean    : 0.007212
## 3rd Qu.: 184.212    3rd Qu.: 3845.10     3rd Qu.: 1.8070     3rd Qu.: 0.023320
## Max.    : 1551.693   Max.    : 32004.16     Max.    : 2.0027     Max.    : 0.104120
## HGRE_align.L.ADC LGSRE_align.L.ADC HGSRE_align.L.ADC LGHRE_align.L.ADC
## Min.    : 222.5      Min.    : -0.060661   Min.    : 213.9      Min.    : -0.060251
## 1st Qu.: 760.1      1st Qu.: -0.009606   1st Qu.: 730.4      1st Qu.: -0.009340
## Median : 990.4      Median : 0.011614     Median : 953.5      Median : 0.012690
## Mean    : 1151.2     Mean    : 0.006945     Mean    : 1118.1     Mean    : 0.008564
## 3rd Qu.: 1363.1     3rd Qu.: 0.022950     3rd Qu.: 1335.9     3rd Qu.: 0.024449
## Max.    : 3836.6     Max.    : 0.099580     Max.    : 3606.7     Max.    : 0.129340
## HGLRE_align.L.ADC GLNU_norm_align.L.ADC RLNU_norm_align.L.ADC
## Min.    : 263.5      Min.    : -0.03396     Min.    : 0.7932
## 1st Qu.: 811.0      1st Qu.: 0.02674     1st Qu.: 0.9002
## Median : 1161.0     Median : 0.04254     Median : 0.9359
## Mean    : 1299.7     Mean    : 0.04488     Mean    : 1.1483
## 3rd Qu.: 1507.8     3rd Qu.: 0.05889     3rd Qu.: 1.6802
## Max.    : 4967.3     Max.    : 0.15004     Max.    : 1.9751
## GLVAR_align.L.ADC RLVAR_align.L.ADC Entropy_align.L.ADC SZSE.L.ADC
## Min.    : 34.75      Min.    : -0.03777     Min.    : 4.855      Min.    : 0.7951
## 1st Qu.: 66.38      1st Qu.: 0.03397     1st Qu.: 5.201      1st Qu.: 0.8893
## Median : 99.51      Median : 0.05501     Median : 5.413      Median : 0.9265
## Mean    : 113.33     Mean    : 0.06600     Mean    : 6.663      Mean    : 1.1414
## 3rd Qu.: 137.79     3rd Qu.: 0.09048     3rd Qu.: 9.883      3rd Qu.: 1.6840
## Max.    : 414.54     Max.    : 0.27810     Max.    : 11.550     Max.    : 1.9782
## LZSE.L.ADC LGLZE.L.ADC HGLZE.L.ADC SZLGE.L.ADC
## Min.    : 1.095      Min.    : -0.060558     Min.    : 247.2      Min.    : -0.060905
## 1st Qu.: 1.378      1st Qu.: -0.009506     1st Qu.: 765.0      1st Qu.: -0.009813
## Median : 1.602      Median : 0.011602     Median : 1004.7     Median : 0.009820
## Mean    : 2.053      Mean    : 0.007065     Mean    : 1162.8     Mean    : 0.006419
## 3rd Qu.: 2.632      3rd Qu.: 0.023204     3rd Qu.: 1385.0     3rd Qu.: 0.022040
## Max.    : 5.694      Max.    : 0.094520     Max.    : 3778.6     Max.    : 0.083520
## SZHGE.L.ADC LZLGE.L.ADC LZHGE.L.ADC GLNU_area.L.ADC
## Min.    : 221.9      Min.    : -0.05978     Min.    : 572.3      Min.    : 2.825
## 1st Qu.: 716.6      1st Qu.: -0.00818     1st Qu.: 1056.8     1st Qu.: 21.085
## Median : 924.7      Median : 0.01568     Median : 1444.9     Median : 51.834
## Mean    : 1070.6     Mean    : 0.01295     Mean    : 1770.0     Mean    : 117.810
## 3rd Qu.: 1273.6     3rd Qu.: 0.02897     3rd Qu.: 2113.7     3rd Qu.: 141.882

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## Max. :3188.0 Max. : 0.19624 Max. :8508.1 Max. :1158.523
## ZSNU.L.ADC ZSP.L.ADC GLNU_norm.L.ADC ZSNU_norm.L.ADC
## Min. : 78.23 Min. :0.7039 Min. : -0.03427 Min. :0.6298
## 1st Qu.: 593.23 1st Qu.:0.8479 1st Qu.: 0.02621 1st Qu.:0.7773
## Median : 1285.11 Median :0.8961 Median : 0.04183 Median :0.8263
## Mean : 2429.57 Mean :1.0881 Mean : 0.04322 Mean :0.9974
## 3rd Qu.: 2959.09 3rd Qu.:1.5089 3rd Qu.: 0.05692 3rd Qu.:1.3535
## Max. :25131.32 Max. :1.9628 Max. : 0.13852 Max. :1.8940
## GLVAR_area.L.ADC ZSVAR.L.ADC Entropy_area.L.ADC Max_cooc.H.ADC
## Min. : 37.86 Min. :0.03177 Min. : 5.194 Min. : -0.061367
## 1st Qu.: 68.97 1st Qu.:0.14187 1st Qu.: 5.561 1st Qu.: -0.011254
## Median :101.65 Median :0.21926 Median : 5.754 Median : 0.005600
## Mean :116.09 Mean :0.36882 Mean : 7.090 Mean : 0.002366
## 3rd Qu.:139.58 3rd Qu.:0.42200 3rd Qu.:10.476 3rd Qu.: 0.018330
## Max. :425.25 Max. :2.14718 Max. :12.226 Max. : 0.049158
## Average_cooc.H.ADC Variance_cooc.H.ADC Entropy_cooc.H.ADC DAVE_cooc.H.ADC
## Min. :28.16 Min. :297.5 Min. : 9.89 Min. :10.34
## 1st Qu.:30.69 1st Qu.:314.3 1st Qu.:11.38 1st Qu.:13.82
## Median :31.71 Median :321.4 Median :11.58 Median :15.39
## Mean :39.11 Mean :397.5 Mean :14.26 Mean :18.54
## 3rd Qu.:56.32 3rd Qu.:601.2 3rd Qu.:19.78 3rd Qu.:20.68
## Max. :68.81 Max. :663.0 Max. :23.56 Max. :37.03
## DVAR_cooc.H.ADC DENT_cooc.H.ADC SAVE_cooc.H.ADC SVAR_cooc.H.ADC
## Min. : 97.48 Min. : 4.857 Min. : 56.32 Min. : 724.4
## 1st Qu.:139.62 1st Qu.: 5.226 1st Qu.: 61.38 1st Qu.: 857.9
## Median :160.65 Median : 5.370 Median : 63.42 Median : 955.4
## Mean :189.30 Mean : 6.636 Mean : 78.21 Mean :1121.2
## 3rd Qu.:197.36 3rd Qu.: 9.714 3rd Qu.:112.64 3rd Qu.:1448.9
## Max. :400.90 Max. :11.187 Max. :137.58 Max. :2106.8
## SENT_cooc.H.ADC ASM_cooc.H.ADC Contrast_cooc.H.ADC
## Min. :3.088 Min. : -6.334e-02 Min. : 210.8
## 1st Qu.:3.594 1st Qu.: -1.234e-02 1st Qu.: 338.6
## Median :3.768 Median : 3.080e-03 Median : 402.3
## Mean :4.602 Mean : 6.846e-05 Mean : 468.8
## 3rd Qu.:6.240 3rd Qu.: 1.633e-02 3rd Qu.: 518.7
## Max. :8.211 Max. : 3.973e-02 Max. :1062.3
## Dissimilarity_cooc.H.ADC Inv_diff_cooc.H.ADC Inv_diff_norm_cooc.H.ADC
## Min. :10.34 Min. :0.06013 Min. :0.7359
## 1st Qu.:13.82 1st Qu.:0.13807 1st Qu.:0.8182
## Median :15.39 Median :0.16200 Median :0.8424
## Mean :18.54 Mean :0.18794 Mean :1.0408
## 3rd Qu.:20.68 3rd Qu.:0.21904 3rd Qu.:1.5697
## Max. :37.03 Max. :0.43808 Max. :1.7813
## IDM_cooc.H.ADC IDM_norm_cooc.H.ADC Inv_var_cooc.H.ADC
## Min. : -0.00194 Min. :0.8397 Min. : -0.000839
## 1st Qu.: 0.07046 1st Qu.:0.9197 1st Qu.: 0.076110
## Median : 0.09089 Median :0.9388 Median : 0.094310
## Mean : 0.10088 Mean :1.1632 Mean : 0.104632
## 3rd Qu.: 0.13118 3rd Qu.:1.7772 3rd Qu.: 0.128963
## Max. : 0.28066 Max. :1.9478 Max. : 0.284360
## Correlation_cooc.H.ADC Autocorrelation_cooc.H.ADC Tendency_cooc.H.ADC
## Min. :0.1050 Min. : 876.6 Min. : 724.4
## 1st Qu.:0.3585 1st Qu.:1080.2 1st Qu.: 857.9
## Median :0.4504 Median :1116.9 Median : 955.4

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## Mean	:0.5131	Mean	:1385.0	Mean	:1121.2
## 3rd Qu.	:0.5837	3rd Qu.	:1753.3	3rd Qu.	:1448.9
## Max.	:1.3649	Max.	:2505.6	Max.	:2106.8
## Shade_cooc.H.ADC	Prominence_cooc.H.ADC	IC1_d.H.ADC	IC2_d.H.ADC		
## Min.	:-8499.7	Min.	:1213171	Min.	:-0.570580
## 1st Qu.	: 748.5	1st Qu.	:1618184	1st Qu.	:-0.112350
## Median	: 3042.8	Median	:1824374	Median	:-0.068910
## Mean	: 2950.7	Mean	:2126432	Mean	:-0.090971
## 3rd Qu.	: 5104.4	3rd Qu.	:2426342	3rd Qu.	:-0.044849
## Max.	:18630.6	Max.	:4294925	Max.	:-0.003503
## Coarseness_vdif.H.ADC	Contrast_vdif.H.ADC	Busyness_vdif.H.ADC			
## Min.	:-0.061933	Min.	:1.145	Min.	:0.01268
## 1st Qu.	:-0.007910	1st Qu.	:1.612	1st Qu.	:0.09566
## Median	: 0.009940	Median	:1.840	Median	:0.22381
## Mean	: 0.009101	Mean	:2.202	Mean	:0.43392
## 3rd Qu.	: 0.024210	3rd Qu.	:2.314	3rd Qu.	:0.50409
## Max.	: 0.153460	Max.	:4.627	Max.	:4.36709
## Complexity_vdif.H.ADC	Strength_vdif.H.ADC	SRE_align.H.ADC	LRE_align.H.ADC		
## Min.	: 9957	Min.	: 0.4551	Min.	:0.9156
## 1st Qu.	:14427	1st Qu.	: 2.6916	1st Qu.	:0.9784
## Median	:16384	Median	: 6.1903	Median	:0.9908
## Mean	:19867	Mean	: 13.4790	Mean	:1.2334
## 3rd Qu.	:21148	3rd Qu.	: 10.5148	3rd Qu.	:1.9250
## Max.	:42297	Max.	:181.9847	Max.	:2.0252
## GLNU_align.H.ADC	RLNU_align.H.ADC	RP_align.H.ADC	LGRE_align.H.ADC		
## Min.	: 1.584	Min.	: 85.87	Min.	:0.9078
## 1st Qu.	: 12.706	1st Qu.	: 764.05	1st Qu.	:0.9724
## Median	: 25.814	Median	: 1550.12	Median	:0.9859
## Mean	: 58.815	Mean	: 3496.20	Mean	:1.2264
## 3rd Qu.	: 70.386	3rd Qu.	: 4241.95	3rd Qu.	:1.9094
## Max.	:588.394	Max.	:34324.60	Max.	:2.0230
## HGRE_align.H.ADC	LGSRE_align.H.ADC	HGSRE_align.H.ADC	LGHRE_align.H.ADC		
## Min.	:1339	Min.	:-0.04251	Min.	:1291
## 1st Qu.	:1357	1st Qu.	: 0.01308	1st Qu.	:1332
## Median	:1361	Median	: 0.02689	Median	:1343
## Mean	:1704	Mean	: 0.02799	Mean	:1677
## 3rd Qu.	:2678	3rd Qu.	: 0.04101	3rd Qu.	:2582
## Max.	:2770	Max.	: 0.09016	Max.	:2766
## HGLRE_align.H.ADC	GLNU_norm_align.H.ADC	RLNU_norm_align.H.ADC			
## Min.	:1393	Min.	:-0.047696	Min.	:0.8817
## 1st Qu.	:1440	1st Qu.	: 0.003221	1st Qu.	:0.9506
## Median	:1472	Median	: 0.018760	Median	:0.9658
## Mean	:1826	Mean	: 0.019683	Mean	:1.2020
## 3rd Qu.	:2787	3rd Qu.	: 0.035140	3rd Qu.	:1.8572
## Max.	:3188	Max.	: 0.071516	Max.	:2.0141
## GLVAR_align.H.ADC	RLVAR_align.H.ADC	Entropy_align.H.ADC	SZSE.H.ADC		
## Min.	:322.1	Min.	:-0.04738	Min.	: 5.897
## 1st Qu.	:327.3	1st Qu.	: 0.01435	1st Qu.	: 6.059
## Median	:329.0	Median	: 0.03147	Median	: 6.110
## Mean	:411.1	Mean	: 0.03018	Mean	: 7.628
## 3rd Qu.	:644.2	3rd Qu.	: 0.04710	3rd Qu.	:11.797
## Max.	:666.8	Max.	: 0.14354	Max.	:12.434
## LZSE.H.ADC	LGLZE.H.ADC	HGLZE.H.ADC	SZLGE.H.ADC		
## Min.	:1.002	Min.	:-0.04387	Min.	:1294
				Min.	:-0.04717

## 1st Qu.:	1.170	1st Qu.:	0.01170	1st Qu.:	1345	1st Qu.:	0.01008
## Median :	1.273	Median :	0.02622	Median :	1358	Median :	0.02373
## Mean :	1.565	Mean :	0.02660	Mean :	1693	Mean :	0.02353
## 3rd Qu.:	2.032	3rd Qu.:	0.04063	3rd Qu.:	2602	3rd Qu.:	0.03775
## Max. :	3.168	Max. :	0.09077	Max. :	2782	Max. :	0.09001
## SZHGE.H.ADC	LZLGE.H.ADC	LZHGE.H.ADC	GLNU_area.H.ADC				
## Min. :	1194	Min. :	-0.03357	Min. :	1380	Min. :	1.591
## 1st Qu.:	1276	1st Qu.:	0.03276	1st Qu.:	1637	1st Qu.:	12.263
## Median :	1297	Median :	0.04771	Median :	1730	Median :	24.973
## Mean :	1610	Mean :	0.05474	Mean :	2186	Mean :	55.897
## 3rd Qu.:	2389	3rd Qu.:	0.07758	3rd Qu.:	2821	3rd Qu.:	67.941
## Max. :	2771	Max. :	0.25488	Max. :	5458	Max. :	558.830
## ZSNU.H.ADC	ZSP.H.ADC	GLNU_norm.H.ADC	ZSNU_norm.H.ADC				
## Min. :	87.02	Min. :	0.8333	Min. :	-0.047639	Min. :	0.7801
## 1st Qu.:	678.59	1st Qu.:	0.9189	1st Qu.:	0.003343	1st Qu.:	0.8701
## Median :	1396.50	Median :	0.9466	Median :	0.018810	Median :	0.8990
## Mean :	3030.35	Mean :	1.1728	Mean :	0.019767	Mean :	1.1151
## 3rd Qu.:	3667.15	3rd Qu.:	1.7747	3rd Qu.:	0.035190	3rd Qu.:	1.6280
## Max. :	29629.65	Max. :	2.0318	Max. :	0.071972	Max. :	2.0318
## GLVAR_area.H.ADC	ZSVAR.H.ADC	Entropy_area.H.ADC	Max_cooc.W.ADC				
## Min. :	304.7	Min. :	-0.02688	Min. :	5.896	Min. :	-0.062539
## 1st Qu.:	319.8	1st Qu.:	0.05756	1st Qu.:	6.205	1st Qu.:	-0.011760
## Median :	324.5	Median :	0.10225	Median :	6.310	Median :	0.005340
## Mean :	403.0	Mean :	0.12984	Mean :	7.838	Mean :	0.001454
## 3rd Qu.:	612.4	3rd Qu.:	0.16953	3rd Qu.:	11.797	3rd Qu.:	0.017830
## Max. :	667.6	Max. :	0.67137	Max. :	13.040	Max. :	0.044078
## Average_cooc.W.ADC	Variance_cooc.W.ADC	DAVE_cooc.W.ADC	DVAR_cooc.W.ADC				
## Min. :	29.56	Min. :	202.5	Min. :	11.03	Min. :	111.7
## 1st Qu.:	76.40	1st Qu.:	515.9	1st Qu.:	19.68	1st Qu.:	270.4
## Median :	101.18	Median :	875.9	Median :	23.47	Median :	406.2
## Mean :	112.13	Mean :	1021.3	Mean :	26.92	Mean :	500.7
## 3rd Qu.:	127.59	3rd Qu.:	1215.9	3rd Qu.:	31.46	3rd Qu.:	632.5
## Max. :	287.27	Max. :	4153.9	Max. :	67.92	Max. :	1928.6
## DENT_cooc.W.ADC	SAVE_cooc.W.ADC	SVAR_cooc.W.ADC	SENT_cooc.W.ADC				
## Min. :	4.951	Min. :	59.1	Min. :	576.1	Min. :	0.4612
## 1st Qu.:	5.724	1st Qu.:	152.8	1st Qu.:	1358.0	1st Qu.:	4.4419
## Median :	6.029	Median :	201.6	Median :	2445.7	Median :	5.6292
## Mean :	7.295	Mean :	222.1	Mean :	2969.2	Mean :	6.2348
## 3rd Qu.:	9.905	3rd Qu.:	258.6	3rd Qu.:	3452.3	3rd Qu.:	6.9115
## Max. :	13.086	Max. :	574.5	Max. :	13038.4	Max. :	14.5664
## ASM_cooc.W.ADC	Contrast_cooc.W.ADC	Dissemblarity_cooc.W.ADC					
## Min. :	-0.0633940	Min. :	234.1	Min. :	11.03		
## 1st Qu.:	-0.0125000	1st Qu.:	658.3	1st Qu.:	19.68		
## Median :	0.0031100	Median :	912.7	Median :	23.47		
## Mean :	-0.0000207	Mean :	1116.0	Mean :	26.92		
## 3rd Qu.:	0.0161900	3rd Qu.:	1396.9	3rd Qu.:	31.46		
## Max. :	0.0400080	Max. :	4232.8	Max. :	67.92		
## Inv_diff_cooc.W.ADC	Inv_diff_norm_cooc.W.ADC	IDM_cooc.W.ADC					
## Min. :	-0.05393	Min. :	0.8150	Min. :	-0.02253		
## 1st Qu.:	0.09815	1st Qu.:	0.8872	1st Qu.:	0.04441		
## Median :	0.11970	Median :	0.9153	Median :	0.06268		
## Mean :	0.14050	Mean :	1.1357	Mean :	0.07154		
## 3rd Qu.:	0.17216	3rd Qu.:	1.7277	3rd Qu.:	0.09256		
## Max. :	0.40997	Max. :	1.9223	Max. :	0.25187		

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## IDM_norm_cooc.W.ADC Inv_var_cooc.W.ADC Correlation_cooc.W.ADC
## Min. :0.9041 Min. : -0.02408 Min. :0.1014
## 1st Qu.:0.9687 1st Qu.: 0.04662 1st Qu.:0.3624
## Median :0.9868 Median : 0.06495 Median :0.4571
## Mean :1.2262 Mean : 0.07465 Mean :0.5182
## 3rd Qu.:1.9060 3rd Qu.: 0.09746 3rd Qu.:0.5887
## Max. :2.0230 Max. : 0.26587 Max. :1.3440
## Autocorrelation_cooc.W.ADC Tendency_cooc.W.ADC Shade_cooc.W.ADC
## Min. : 928.8 Min. : 576.1 Min. : -231517
## 1st Qu.: 5977.2 1st Qu.: 1358.0 1st Qu.: 7524
## Median : 9096.7 Median : 2445.7 Median : 31458
## Mean :11144.9 Mean : 2969.2 Mean : 58766
## 3rd Qu.:14469.5 3rd Qu.: 3452.3 3rd Qu.: 85528
## Max. :43202.8 Max. :13038.4 Max. : 755230
## Prominence_cooc.W.ADC IC1_d.W.ADC IC2_d.W.ADC
## Min. : 1433500 Min. : -0.50566 Min. :0.5665
## 1st Qu.: 5716560 1st Qu.: -0.16643 1st Qu.:0.7903
## Median : 19224987 Median : -0.11797 Median :0.8772
## Mean : 33910637 Mean : -0.13225 Mean :1.0345
## 3rd Qu.: 34839926 3rd Qu.: -0.07287 3rd Qu.:1.2267
## Max. :307755358 Max. : -0.02415 Max. :1.9966
## Coarseness_vdif.W.ADC Contrast_vdif.W.ADC Busyness_vdif.W.ADC
## Min. : -0.061838 Min. : 0.2571 Min. : -0.05337
## 1st Qu.: -0.006689 1st Qu.: 0.8881 1st Qu.: 0.01175
## Median : 0.010730 Median : 1.2594 Median : 0.02935
## Mean : 0.009025 Mean : 1.7176 Mean : 0.03315
## 3rd Qu.: 0.024410 3rd Qu.: 1.8783 3rd Qu.: 0.05108
## Max. : 0.136240 Max. :11.8652 Max. : 0.20823
## Complexity_vdif.W.ADC Strength_vdif.W.ADC SRE_align.W.ADC LRE_align.W.ADC
## Min. : 13124 Min. : 5.875 Min. :0.9168 Min. :0.971
## 1st Qu.: 80886 1st Qu.: 26.207 1st Qu.:0.9827 1st Qu.:1.033
## Median : 171030 Median : 39.950 Median :0.9948 Median :1.050
## Mean : 230384 Mean : 55.180 Mean :1.2398 Mean :1.309
## 3rd Qu.: 319660 3rd Qu.: 69.655 3rd Qu.:1.9273 3rd Qu.:2.036
## Max. :1592687 Max. :275.938 Max. :2.0293 Max. :2.231
## GLNU_align.W.ADC RLNU_align.W.ADC RP_align.W.ADC LGRE_align.W.ADC
## Min. : 2.009 Min. : 84.52 Min. :0.9094 Min. : -0.062656
## 1st Qu.: 9.596 1st Qu.: 782.23 1st Qu.:0.9791 1st Qu.: -0.011249
## Median : 21.609 Median : 1579.33 Median :0.9919 Median : 0.006620
## Mean : 41.983 Mean : 3616.56 Mean :1.2353 Mean : 0.003831
## 3rd Qu.: 49.552 3rd Qu.: 4373.92 3rd Qu.:1.9126 3rd Qu.: 0.019870
## Max. :399.403 Max. :37073.37 Max. :2.0264 Max. : 0.083100
## HGRE_align.W.ADC LGSRE_align.W.ADC HGSRE_align.W.ADC LGHRE_align.W.ADC
## Min. : 1203 Min. : -0.062658 Min. : 1197 Min. : -0.062644
## 1st Qu.: 6277 1st Qu.: -0.011255 1st Qu.: 6229 1st Qu.: -0.011226
## Median :10535 Median : 0.006610 Median :10430 Median : 0.006850
## Mean :11874 Mean : 0.003696 Mean :11767 Mean : 0.004544
## 3rd Qu.:15160 3rd Qu.: 0.019860 3rd Qu.:15039 3rd Qu.: 0.020246
## Max. :44980 Max. : 0.079860 Max. :44616 Max. : 0.100080
## HGLRE_align.W.ADC GLNU_norm_align.W.ADC RLNU_norm_align.W.ADC
## Min. : 1228 Min. : -0.054220 Min. :0.8830
## 1st Qu.: 6510 1st Qu.: 0.001565 1st Qu.:0.9630
## Median :10971 Median : 0.016165 Median :0.9811
## Mean :12314 Mean : 0.015675 Mean :1.2181

```

```
## 3rd Qu.:15680      3rd Qu.: 0.032238      3rd Qu.:1.8599
## Max. :46468      Max. : 0.087040      Max. :2.0143
## GLVAR_align.W.ADC RLVAR_align.W.ADC Entropy_align.W.ADC SZSE.W.ADC
## Min. : 245.7      Min. : -0.051522      Min. : 5.391      Min. :0.8776
## 1st Qu.: 552.4      1st Qu.: 0.004423      1st Qu.: 6.386      1st Qu.:0.9617
## Median : 976.3      Median : 0.019194      Median : 6.872      Median :0.9785
## Mean :1109.8      Mean : 0.018487      Mean : 8.232      Mean :1.2124
## 3rd Qu.:1292.1      3rd Qu.: 0.033640      3rd Qu.:10.782      3rd Qu.:1.8489
## Max. :4324.2      Max. : 0.104882      Max. :15.143      Max. :1.9947
## LZSE.W.ADC LGLZE.W.ADC HGLZE.W.ADC SZLGE.W.ADC
## Min. :1.029      Min. : -0.062651      Min. : 1226      Min. : -0.062658
## 1st Qu.:1.103      1st Qu.: -0.011240      1st Qu.: 6306      1st Qu.: -0.011250
## Median :1.144      Median : 0.006480      Median :10639      Median : 0.006184
## Mean :1.433      Mean : 0.003563      Mean :11908      Mean : 0.003268
## 3rd Qu.:2.069      3rd Qu.: 0.019763      3rd Qu.:15245      3rd Qu.: 0.019752
## Max. :2.761      Max. : 0.073640      Max. :45137      Max. : 0.065320
## SZHGE.W.ADC LZLGE.W.ADC LZHGE.W.ADC GLNU_area.W.ADC
## Min. : 1191      Min. : -0.062616      Min. : 1369      Min. : 2.016
## 1st Qu.: 6169      1st Qu.: -0.011160      1st Qu.: 6882      1st Qu.: 9.340
## Median :10324      Median : 0.009070      Median :11686      Median : 20.363
## Mean :11600      Mean : 0.006405      Mean :13334      Mean : 40.154
## 3rd Qu.:14845      3rd Qu.: 0.021579      3rd Qu.:17173      3rd Qu.: 48.480
## Max. :44249      Max. : 0.136980      Max. :51885      Max. :387.349
## ZSNU.W.ADC ZSP.W.ADC GLNU_norm.W.ADC ZSNU_norm.W.ADC
## Min. : 84.04      Min. :0.8518      Min. : -0.054262      Min. :0.7920
## 1st Qu.: 741.28      1st Qu.:0.9458      1st Qu.: 0.001476      1st Qu.:0.9085
## Median : 1479.04      Median :0.9661      Median : 0.018532      Median :0.9380
## Mean : 3334.08      Mean :1.1938      Mean : 0.016572      Mean :1.1576
## 3rd Qu.: 3976.61      3rd Qu.:1.7974      3rd Qu.: 0.033476      3rd Qu.:1.6779
## Max. :35037.70      Max. :1.9805      Max. : 0.086040      Max. :2.0071
## GLVAR_area.W.ADC ZSVAR.W.ADC Entropy_area.W.ADC
## Min. : 253.6      Min. : -0.02982      Min. : 5.585
## 1st Qu.: 564.9      1st Qu.: 0.03180      1st Qu.: 6.626
## Median : 983.1      Median : 0.05597      Median : 7.026
## Mean :1114.7      Mean : 0.06550      Mean : 8.507
## 3rd Qu.:1295.2      3rd Qu.: 0.09194      3rd Qu.:11.170
## Max. :4306.8      Max. : 0.31875      Max. :15.381
```

```
df_norm <- scale(df[-c(1:2)])
summary(df_norm)
```

```
## Failure Entropy_cooc.W.ADC GLNU_align.H.PET Min_hist.PET
## Min. : -1.1289      Min. : -2.6407173      Min. : -0.9982      Min. : -1.4098
## 1st Qu.: -0.7892      1st Qu.: -0.6921994      1st Qu.: -0.6721      1st Qu.: -0.6742
## Median : -0.3066      Median : 0.0001827      Median : -0.1783      Median : -0.2256
## Mean : 0.0000      Mean : 0.0000000      Mean : 0.0000      Mean : 0.0000
## 3rd Qu.: 0.6028      3rd Qu.: 0.6719746      3rd Qu.: 0.1947      3rd Qu.: 0.4998
## Max. : 3.7247      Max. : 2.1464095      Max. : 5.3894      Max. : 3.9898
## Max_hist.PET Mean_hist.PET Variance_hist.PET
## Min. : -1.3604      Min. : -1.3802      Min. : -0.9758
## 1st Qu.: -0.7578      1st Qu.: -0.7186      1st Qu.: -0.7523
## Median : -0.2204      Median : -0.2033      Median : -0.3017
## Mean : 0.0000      Mean : 0.0000      Mean : 0.0000
## 3rd Qu.: 0.6421      3rd Qu.: 0.5710      3rd Qu.: 0.3681
```

```

## Max.      : 3.7697    Max.      : 4.0472    Max.      : 4.2731
## Standard_Deviation_hist.PET Skewness_hist.PET Kurtosis_hist.PET
## Min.      :-1.4225    Min.      :-1.3197    Min.      :-0.906441
## 1st Qu.   :-0.7628    1st Qu.   :-0.6752    1st Qu.   :-0.334292
## Median    :-0.1704    Median    :-0.2561    Median    :-0.216370
## Mean      : 0.0000    Mean      : 0.0000    Mean      : 0.000000
## 3rd Qu.   : 0.6276    3rd Qu.   : 0.4162    3rd Qu.   : 0.003553
## Max.      : 3.7217    Max.      : 5.7654    Max.      :10.932045
## Energy_hist.PET Entropy_hist.PET AUC_hist.PET H_suv.PET
## Min.      :-2.3215    Min.      :-1.4015    Min.      :-0.8502    Min.      :-1.4116
## 1st Qu.   :-0.5462    1st Qu.   :-0.6977    1st Qu.   :-0.5790    1st Qu.   :-0.8097
## Median    : 0.1416    Median    :-0.3109    Median    :-0.5232    Median    :-0.2091
## Mean      : 0.0000    Mean      : 0.0000    Mean      : 0.0000    Mean      : 0.0000
## 3rd Qu.   : 0.5743    3rd Qu.   : 0.3033    3rd Qu.   : 1.4352    3rd Qu.   : 0.4785
## Max.      : 2.9868    Max.      : 3.2567    Max.      : 2.0653    Max.      : 3.8765
## Volume.PET X3D_surface.PET ratio_3ds_vol.PET ratio_3ds_vol_norm.PET
## Min.      :-0.9976    Min.      :-0.67301    Min.      :-1.46122    Min.      :-1.4293
## 1st Qu.   :-0.7025    1st Qu.   :-0.45312    1st Qu.   :-0.56332    1st Qu.   :-0.4508
## Median    :-0.3145    Median    :-0.25696    Median    :-0.08817    Median    :-0.2012
## Mean      : 0.0000    Mean      : 0.00000    Mean      : 0.00000    Mean      : 0.0000
## 3rd Qu.   : 0.4610    3rd Qu.   : 0.04246    3rd Qu.   : 0.46611    3rd Qu.   : 0.5039
## Max.      : 5.2306    Max.      : 8.76871    Max.      : 3.06294    Max.      : 3.9993
## irregularity.PET tumor_length.PET Compactness_v1.PET Compactness_v2.PET
## Min.      :-0.9167    Min.      :-1.3131    Min.      :-2.8712    Min.      :-1.18599
## 1st Qu.   :-0.6689    1st Qu.   :-0.6263    1st Qu.   :-0.0845    1st Qu.   :-0.42580
## Median    :-0.4986    Median    :-0.3025    Median    : 0.0234    Median    :-0.26942
## Mean      : 0.0000    Mean      : 0.0000    Mean      : 0.0000    Mean      : 0.00000
## 3rd Qu.   : 1.0201    3rd Qu.   : 0.3586    3rd Qu.   : 0.5081    3rd Qu.   :-0.07615
## Max.      : 2.6689    Max.      : 6.5779    Max.      : 1.5563    Max.      : 5.56600
## Spherical_disproportion.PET Sphericity.PET Asphericity.PET
## Min.      :-1.4293    Min.      :-0.7419    Min.      :-1.4360
## 1st Qu.   :-0.4508    1st Qu.   :-0.4912    1st Qu.   :-0.4400
## Median    :-0.2012    Median    :-0.4224    Median    :-0.1860
## Mean      : 0.0000    Mean      : 0.0000    Mean      : 0.0000
## 3rd Qu.   : 0.5039    3rd Qu.   :-0.1356    3rd Qu.   : 0.5296
## Max.      : 3.9993    Max.      : 4.3869    Max.      : 4.0153
## Center_of_mass.PET Max_3D_diam.PET Major_axis_length.PET
## Min.      :-1.0766    Min.      :-1.2376    Min.      :-1.2762
## 1st Qu.   :-0.5755    1st Qu.   :-0.7045    1st Qu.   :-0.7141
## Median    :-0.2760    Median    :-0.3091    Median    :-0.3055
## Mean      : 0.0000    Mean      : 0.0000    Mean      : 0.0000
## 3rd Qu.   : 0.2817    3rd Qu.   : 0.3615    3rd Qu.   : 0.4158
## Max.      : 6.7859    Max.      : 4.3245    Max.      : 5.3569
## Minor_axis_length.PET Least_axis_length.PET Elongation.PET
## Min.      :-1.4576    Min.      :-1.4299    Min.      :-1.5978
## 1st Qu.   :-0.7494    1st Qu.   :-0.6863    1st Qu.   :-0.6012
## Median    :-0.1394    Median    :-0.2241    Median    :-0.2718
## Mean      : 0.0000    Mean      : 0.0000    Mean      : 0.0000
## 3rd Qu.   : 0.3841    3rd Qu.   : 0.3090    3rd Qu.   : 0.2418
## Max.      : 4.5198    Max.      : 4.9092    Max.      : 2.8276
## Flatness.PET Max_cooc.L.PET Average_cooc.L.PET Variance_cooc.L.PET
## Min.      :-1.6295    Min.      :-2.3063    Min.      :-1.8155    Min.      :-1.8240
## 1st Qu.   :-0.6460    1st Qu.   :-0.5161    1st Qu.   :-0.5656    1st Qu.   :-0.7476
## Median    :-0.1984    Median    : 0.1172    Median    :-0.3274    Median    :-0.1502

```

```

## Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000
## 3rd Qu.: 0.2702      3rd Qu.: 0.5711      3rd Qu.: 0.1736      3rd Qu.: 0.3612
## Max.      : 2.9366      Max.      : 1.8750      Max.      : 3.3868      Max.      : 3.3880
## Entropy_cooc.L.PET DAVE_cooc.L.PET DVAR_cooc.L.PET DENT_cooc.L.PET
## Min.      : -1.0745      Min.      : -1.5187      Min.      : -1.4327      Min.      : -1.1172
## 1st Qu.: -0.5674      1st Qu.: -0.7917      1st Qu.: -0.7535      1st Qu.: -0.6459
## Median    : -0.5112      Median    : -0.1931      Median    : -0.2010      Median    : -0.4587
## Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000
## 3rd Qu.: 0.7073      3rd Qu.: 0.2613      3rd Qu.: 0.3063      3rd Qu.: 0.5602
## Max.      : 2.0941      Max.      : 3.9795      Max.      : 4.5360      Max.      : 2.2650
## SAVE_cooc.L.PET SVAR_cooc.L.PET SENT_cooc.L.PET ASM_cooc.L.PET
## Min.      : -1.8170      Min.      : -1.9401      Min.      : -1.0602      Min.      : -2.3413
## 1st Qu.: -0.5659      1st Qu.: -0.7133      1st Qu.: -0.5543      1st Qu.: -0.4833
## Median    : -0.3280      Median    : -0.1350      Median    : -0.4595      Median    : 0.1113
## Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000
## 3rd Qu.: 0.1719      3rd Qu.: 0.3703      3rd Qu.: 0.7475      3rd Qu.: 0.5870
## Max.      : 3.3867      Max.      : 3.9295      Max.      : 2.0924      Max.      : 1.5898
## Contrast_cooc.L.PET Dissimilarity_cooc.L.PET Inv_diff_cooc.L.PET
## Min.      : -1.3944      Min.      : -1.5187      Min.      : -1.3782
## 1st Qu.: -0.7826      1st Qu.: -0.7917      1st Qu.: -0.6753
## Median    : -0.1960      Median    : -0.1931      Median    : -0.3702
## Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000
## 3rd Qu.: 0.3115      3rd Qu.: 0.2613      3rd Qu.: 0.4971
## Max.      : 5.0946      Max.      : 3.9795      Max.      : 3.9843
## Inv_diff_norm_cooc.L.PET IDM_cooc.L.PET IDM_norm_cooc.L.PET
## Min.      : -0.7941      Min.      : -1.6038      Min.      : -0.7477
## 1st Qu.: -0.6216      1st Qu.: -0.6426      1st Qu.: -0.5955
## Median    : -0.5340      Median    : -0.3162      Median    : -0.5474
## Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000
## 3rd Qu.: 1.3523      3rd Qu.: 0.4831      3rd Qu.: 1.4669
## Max.      : 2.1111      Max.      : 4.5547      Max.      : 1.9113
## Inv_var_cooc.L.PET Correlation_cooc.L.PET Autocorrelation_cooc.L.PET
## Min.      : -1.5503      Min.      : -2.0530      Min.      : -1.7897
## 1st Qu.: -0.6248      1st Qu.: -0.5957      1st Qu.: -0.5697
## Median    : -0.2984      Median    : -0.2707      Median    : -0.2234
## Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000
## 3rd Qu.: 0.5020      3rd Qu.: 0.5649      3rd Qu.: 0.3314
## Max.      : 4.4029      Max.      : 3.2432      Max.      : 4.3290
## Tendency_cooc.L.PET Shade_cooc.L.PET Prominence_cooc.L.PET IC1_.L.PET
## Min.      : -1.9401      Min.      : -2.5311      Min.      : -1.6096      Min.      : -4.3900
## 1st Qu.: -0.7133      1st Qu.: -0.7290      1st Qu.: -0.7749      1st Qu.: -0.4323
## Median    : -0.1350      Median    : -0.2164      Median    : -0.1665      Median    : 0.1972
## Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000
## 3rd Qu.: 0.3703      3rd Qu.: 0.4457      3rd Qu.: 0.4638      3rd Qu.: 0.7461
## Max.      : 3.9295      Max.      : 3.4552      Max.      : 4.7110      Max.      : 1.5577
## IC2_.L.PET Coarseness_vdif_.L.PET Contrast_vdif_.L.PET
## Min.      : -1.3125      Min.      : -2.19089      Min.      : -0.62417
## 1st Qu.: -0.6877      1st Qu.: -0.58292      1st Qu.: -0.45572
## Median    : -0.3269      Median    : 0.09101      Median    : -0.22491
## Mean      : 0.0000      Mean      : 0.00000      Mean      : 0.00000
## 3rd Qu.: 0.1265      3rd Qu.: 0.56210      3rd Qu.: 0.02051
## Max.      : 2.8100      Max.      : 3.70237      Max.      : 8.76892
## Busyness_vdif_.L.PET Complexity_vdif_.L.PET Strength_vdif_.L.PET
## Min.      : -0.9015      Min.      : -1.2644      Min.      : -0.8182

```

## 1st Qu.:-0.5980	1st Qu.:-0.7164	1st Qu.:-0.6788	
## Median :-0.3190	Median :-0.2554	Median :-0.3579	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.1867	3rd Qu.: 0.2340	3rd Qu.: 0.3429	
## Max. : 6.6543	Max. : 5.0903	Max. : 5.5183	
## SRE_align.L.PET	LRE_align.L.PET	GLNU_align.L.PET	RLNU_align.L.PET
## Min. :-0.8310	Min. :-0.7771	Min. :-0.6911	Min. :-0.7305
## 1st Qu.:-0.5835	1st Qu.:-0.6287	1st Qu.:-0.5835	1st Qu.:-0.5912
## Median :-0.5429	Median :-0.5633	Median :-0.3710	Median :-0.3704
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.5509	3rd Qu.: 1.4519	3rd Qu.: 0.2985	3rd Qu.: 0.2121
## Max. : 1.8088	Max. : 2.1577	Max. : 6.5043	Max. : 7.4324
## RP_align.L.PET	LGRE_align.L.PET	HGRE_align.L.PET	LGSRE_align.L.PET
## Min. :-0.7933	Min. :-1.7593	Min. :-1.7899	Min. :-1.7791
## 1st Qu.:-0.5897	1st Qu.:-0.6273	1st Qu.:-0.5532	1st Qu.:-0.6347
## Median :-0.5401	Median :-0.1805	Median :-0.2588	Median :-0.1576
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.5347	3rd Qu.: 0.4789	3rd Qu.: 0.3678	3rd Qu.: 0.5035
## Max. : 1.8283	Max. : 4.7561	Max. : 3.9761	Max. : 4.6553
## HGSRE_align.L.PET	LGHRE_align.L.PET	HGLRE_align.L.PET	GLNU_norm_align.L.PET
## Min. :-1.7826	Min. :-1.6709	Min. :-1.8146	Min. :-2.01031
## 1st Qu.:-0.5598	1st Qu.:-0.6111	1st Qu.:-0.5634	1st Qu.:-0.37038
## Median :-0.2781	Median :-0.2078	Median :-0.2117	Median :-0.09112
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: 0.3506	3rd Qu.: 0.4492	3rd Qu.: 0.3849	3rd Qu.: 0.40169
## Max. : 3.9653	Max. : 5.1552	Max. : 3.9930	Max. : 3.95815
## RLNU_norm_align.L.PET	GLVAR_align.L.PET	RLVAR_align.L.PET	Entropy_align.L.PET
## Min. :-0.7729	Min. :-1.8808	Min. :-2.1546	Min. :-1.0695
## 1st Qu.:-0.6031	1st Qu.:-0.7164	1st Qu.:-0.4296	1st Qu.:-0.5786
## Median :-0.5322	Median :-0.1558	Median :-0.1405	Median :-0.5251
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.4250	3rd Qu.: 0.3734	3rd Qu.: 0.4813	3rd Qu.: 0.7270
## Max. : 1.8933	Max. : 3.3364	Max. : 3.4224	Max. : 2.0307
## SZSE.L.PET	LZSE.L.PET	LGLZE.L.PET	HGLZE.L.PET
## Min. :-2.2713	Min. :-0.9047	Min. :-1.7850	Min. :-1.8049
## 1st Qu.:-0.5709	1st Qu.:-0.6106	1st Qu.:-0.6137	1st Qu.:-0.5579
## Median :-0.4887	Median :-0.4838	Median :-0.1840	Median :-0.2683
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.3993	3rd Qu.: 0.7175	3rd Qu.: 0.5007	3rd Qu.: 0.3570
## Max. : 1.8445	Max. : 4.8194	Max. : 4.7727	Max. : 3.7380
## SZLGE.L.PET	SZHGE.L.PET	LZLGE.L.PET	LZHGE.L.PET
## Min. :-1.9920	Min. :-1.7536	Min. :-1.4035	Min. :-1.5923
## 1st Qu.:-0.6213	1st Qu.:-0.5513	1st Qu.:-0.6129	1st Qu.:-0.5958
## Median :-0.1637	Median :-0.2719	Median :-0.2433	Median :-0.2804
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.5831	3rd Qu.: 0.3612	3rd Qu.: 0.3249	3rd Qu.: 0.2929
## Max. : 4.3225	Max. : 3.7642	Max. : 6.4375	Max. : 4.1325
## GLNU_area.L.PET	ZSNU.L.PET	ZSP.L.PET	GLNU_norm.L.PET
## Min. :-0.6914	Min. :-0.7314	Min. :-1.7968	Min. :-2.01371
## 1st Qu.:-0.5796	1st Qu.:-0.5842	1st Qu.:-0.5892	1st Qu.:-0.36931
## Median :-0.3735	Median :-0.3565	Median :-0.4930	Median :-0.07108
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: 0.3189	3rd Qu.: 0.1320	3rd Qu.: 1.1986	3rd Qu.: 0.40606
## Max. : 6.7070	Max. : 7.4588	Max. : 1.9416	Max. : 3.87814

## ZSNU_norm.L.PET	GLVAR_area.L.PET	ZSVAR.L.PET	Entropy_area.L.PET
## Min. : -0.9004	Min. : -1.8796	Min. : -1.0498	Min. : -1.0506
## 1st Qu.: -0.6398	1st Qu.: -0.7025	1st Qu.: -0.5880	1st Qu.: -0.5791
## Median : -0.4933	Median : -0.1695	Median : -0.3215	Median : -0.5115
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.0332	3rd Qu.: 0.3718	3rd Qu.: 0.1266	3rd Qu.: 1.0068
## Max. : 2.0513	Max. : 3.2261	Max. : 5.2109	Max. : 2.0092
## Max_cooc.H.PET	Average_cooc.H.PET	Variance_cooc.H.PET	Entropy_cooc.H.PET
## Min. : -1.1988	Min. : -0.8105	Min. : -2.38574	Min. : -1.580753
## 1st Qu.: -0.5903	1st Qu.: -0.6985	1st Qu.: -0.61533	1st Qu.: -0.634054
## Median : -0.2918	Median : -0.5036	Median : -0.22579	Median : -0.217121
## Mean : 0.0000	Mean : 0.0000	Mean : 0.00000	Mean : 0.000000
## 3rd Qu.: 0.3327	3rd Qu.: 1.2098	3rd Qu.: -0.06314	3rd Qu.: 0.009014
## Max. : 5.6239	Max. : 2.3267	Max. : 2.40699	Max. : 2.432758
## DAVE_cooc.H.PET	DVAR_cooc.H.PET	DENT_cooc.H.PET	SAVE_cooc.H.PET
## Min. : -2.2715	Min. : -2.2424	Min. : -1.9708	Min. : -0.7658
## 1st Qu.: -0.6281	1st Qu.: -0.6424	1st Qu.: -0.7111	1st Qu.: -0.6657
## Median : -0.3166	Median : -0.2366	Median : -0.1393	Median : -0.5665
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.2732	3rd Qu.: 0.2944	3rd Qu.: 0.3360	3rd Qu.: 1.3226
## Max. : 2.9198	Max. : 3.0270	Max. : 3.1543	Max. : 2.4774
## SVAR_cooc.H.PET	SENT_cooc.H.PET	ASM_cooc.H.PET	Contrast_cooc.H.PET
## Min. : -2.4962	Min. : -1.7399	Min. : -1.3487	Min. : -2.0431
## 1st Qu.: -0.5488	1st Qu.: -0.7667	1st Qu.: -0.4947	1st Qu.: -0.6495
## Median : -0.2607	Median : -0.0498	Median : -0.2169	Median : -0.2124
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.1377	3rd Qu.: 0.3208	3rd Qu.: 0.3106	3rd Qu.: 0.3562
## Max. : 2.7932	Max. : 2.7141	Max. : 7.3847	Max. : 3.5180
## Dissimilarity_cooc.H.PET	Inv_diff_cooc.H.PET	Inv_diff_norm_cooc.H.PET	
## Min. : -2.2715	Min. : -1.3295	Min. : -0.8346	
## 1st Qu.: -0.6281	1st Qu.: -0.7485	1st Qu.: -0.6168	
## Median : -0.3166	Median : -0.2692	Median : -0.5386	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.2732	3rd Qu.: 0.5024	3rd Qu.: 1.3838	
## Max. : 2.9198	Max. : 4.3984	Max. : 2.0111	
## IDM_cooc.H.PET	IDM_norm_cooc.H.PET	Inv_var_cooc_.H.PET	
## Min. : -1.3223	Min. : -0.7823	Min. : -2.36605	
## 1st Qu.: -0.7621	1st Qu.: -0.5924	1st Qu.: -0.49549	
## Median : -0.2472	Median : -0.5455	Median : 0.02372	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.00000	
## 3rd Qu.: 0.4259	3rd Qu.: 1.4702	3rd Qu.: 0.51799	
## Max. : 4.5673	Max. : 1.8868	Max. : 2.80467	
## Correlation_cooc.H.PET	Autocorrelation_cooc.H.PET	Tendency_cooc.H.PET	
## Min. : -1.9872	Min. : -0.9010	Min. : -2.3578	
## 1st Qu.: -0.5949	1st Qu.: -0.7473	1st Qu.: -0.5740	
## Median : -0.2552	Median : -0.4396	Median : -0.2217	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.4751	3rd Qu.: 0.9161	3rd Qu.: 0.1629	
## Max. : 3.4144	Max. : 2.7356	Max. : 2.6966	
## Shade_cooc.H.PET	Prominence_cooc.H.PET	IC1_d.H.PET	IC2_d.H.PET
## Min. : -3.52117	Min. : -1.80967	Min. : -3.7681	Min. : -1.4586
## 1st Qu.: -0.49100	1st Qu.: -0.72248	1st Qu.: -0.5716	1st Qu.: -0.6520
## Median : 0.04694	Median : -0.06048	Median : 0.2356	Median : -0.3001
## Mean : 0.00000	Mean : 0.00000	Mean : 0.0000	Mean : 0.0000


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## 3rd Qu.: 0.61650 3rd Qu.: 0.38037 3rd Qu.: 0.7171 3rd Qu.: 0.4610
## Max. : 2.25176 Max. : 2.98834 Max. : 1.5960 Max. : 3.2512
## Coarseness_vdif.H.PET Contrast_vdif.H.PET Busyness_vdif.H.PET
## Min. : -2.3467 Min. : -0.7552 Min. : -0.3915
## 1st Qu.: -0.5062 1st Qu.: -0.5001 1st Qu.: -0.3665
## Median : 0.1375 Median : -0.3378 Median : -0.3347
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.5970 3rd Qu.: 0.1423 3rd Qu.: -0.2468
## Max. : 1.8301 Max. : 6.6160 Max. : 6.4429
## Complexity_vdif.H.PET Strength_vdif.H.PET SRE_align.H.PET LRE_align.H.PET
## Min. : -1.5450 Min. : -0.255369 Min. : -1.4539 Min. : -0.9776
## 1st Qu.: -0.5707 1st Qu.: -0.228103 1st Qu.: -0.6077 1st Qu.: -0.7704
## Median : -0.1093 Median : -0.167165 Median : -0.4349 Median : -0.3787
## Mean : 0.0000 Mean : 0.000000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.3507 3rd Qu.: -0.000167 3rd Qu.: 0.8920 3rd Qu.: 0.4111
## Max. : 3.0416 Max. : 13.485338 Max. : 2.0686 Max. : 3.9848
## RLNU_align.H.PET RP_align.H.PET LGRE_align.H.PET HGRE_align.H.PET
## Min. : -0.6807 Min. : -1.5208 Min. : -2.3681 Min. : -0.8599
## 1st Qu.: -0.5850 1st Qu.: -0.5999 1st Qu.: -0.4890 1st Qu.: -0.7219
## Median : -0.3564 Median : -0.4076 Median : 0.1038 Median : -0.4500
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.1596 3rd Qu.: 0.8237 3rd Qu.: 0.5846 3rd Qu.: 1.0208
## Max. : 8.0403 Max. : 2.1558 Max. : 2.0491 Max. : 3.5783
## LGSRE_align.H.PET HGSRE_align.H.PET LGHRE_align.H.PET HGLRE_align.H.PET
## Min. : -2.3686 Min. : -1.0830 Min. : -2.36459 Min. : -0.8964
## 1st Qu.: -0.4876 1st Qu.: -0.6569 1st Qu.: -0.50531 1st Qu.: -0.7256
## Median : 0.1083 Median : -0.5275 Median : 0.09526 Median : -0.2641
## Mean : 0.0000 Mean : 0.0000 Mean : 0.00000 Mean : 0.0000
## 3rd Qu.: 0.5902 3rd Qu.: 1.1850 3rd Qu.: 0.58394 3rd Qu.: 0.3434
## Max. : 2.0338 Max. : 2.8829 Max. : 2.09944 Max. : 4.4495
## GLNU_norm_align.H.PET RLNU_norm_align.H.PET GLVAR_align.H.PET
## Min. : -1.3690 Min. : -1.7457 Min. : -2.30021
## 1st Qu.: -0.7088 1st Qu.: -0.6077 1st Qu.: -0.65667
## Median : -0.2977 Median : -0.3120 Median : -0.20754
## Mean : 0.0000 Mean : 0.0000 Mean : 0.00000
## 3rd Qu.: 0.4460 3rd Qu.: 0.2832 3rd Qu.: 0.03569
## Max. : 4.0729 Max. : 2.3962 Max. : 2.64762
## RLVAR_align.H.PET Entropy_align.H.PET SZSE.H.PET LZSE.H.PET
## Min. : -0.9927 Min. : -1.3773 Min. : -2.01033 Min. : -0.2197
## 1st Qu.: -0.6599 1st Qu.: -0.6408 1st Qu.: -0.61818 1st Qu.: -0.2148
## Median : -0.3255 Median : -0.3720 Median : -0.23766 Median : -0.2048
## Mean : 0.0000 Mean : 0.0000 Mean : 0.00000 Mean : 0.0000
## 3rd Qu.: 0.3407 3rd Qu.: 0.2830 3rd Qu.: 0.02202 3rd Qu.: -0.1624
## Max. : 4.7189 Max. : 2.8563 Max. : 2.33769 Max. : 9.1121
## LGLZE.H.PET HGLZE.H.PET SZLGE.H.PET SZHGE.H.PET
## Min. : -2.3646 Min. : -1.1843 Min. : -2.3595 Min. : -1.9479
## 1st Qu.: -0.4844 1st Qu.: -0.7924 1st Qu.: -0.5077 1st Qu.: -0.5651
## Median : 0.1001 Median : -0.3822 Median : 0.1138 Median : -0.3540
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.5754 3rd Qu.: 0.6900 3rd Qu.: 0.5750 3rd Qu.: 0.3140
## Max. : 2.2097 Max. : 3.1106 Max. : 2.2017 Max. : 2.9780
## LZLGE.H.PET LZHGE.H.PET GLNU_area.H.PET ZSNU.H.PET
## Min. : -0.54529 Min. : -0.2440 Min. : -0.7448 Min. : -0.60734
## 1st Qu.: -0.27961 1st Qu.: -0.2395 1st Qu.: -0.5834 1st Qu.: -0.54030

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## Median :-0.20354	Median :-0.2241	Median :-0.3505	Median :-0.37798
## Mean : 0.00000	Mean : 0.0000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: -0.04833	3rd Qu.: -0.1796	3rd Qu.: 0.3100	3rd Qu.: 0.07023
## Max. : 8.32302	Max. : 8.7283	Max. : 6.3626	Max. : 8.51176
## ZSP.H.PET	GLNU_norm.H.PET	ZSNU_norm.H.PET	GLVAR_area.H.PET
## Min. : -1.79277	Min. : -1.3840	Min. : -1.5075	Min. : -2.2073
## 1st Qu.: -0.66964	1st Qu.: -0.6997	1st Qu.: -0.7051	1st Qu.: -0.6524
## Median : -0.04715	Median : -0.2758	Median : -0.1138	Median : -0.1862
## Mean : 0.00000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.34632	3rd Qu.: 0.4626	3rd Qu.: 0.2882	3rd Qu.: 0.1152
## Max. : 2.65243	Max. : 4.1164	Max. : 2.6790	Max. : 2.7256
## ZSVAR_H.PET	Entropy_area.H.PET	Max_cooc.W.PET	Average_cooc.W.PET
## Min. : -0.2318	Min. : -1.2574	Min. : -1.6095	Min. : -1.4019
## 1st Qu.: -0.2286	1st Qu.: -0.6018	1st Qu.: -0.4558	1st Qu.: -0.8122
## Median : -0.2166	Median : -0.4339	Median : -0.1391	Median : -0.2448
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: -0.1786	3rd Qu.: 0.6244	3rd Qu.: 0.3108	3rd Qu.: 0.5870
## Max. : 9.0394	Max. : 2.4985	Max. : 7.1859	Max. : 3.8583
## Variance_cooc.W.PET	Entropy_cooc.W.PET	DAVE_cooc.W.PET	DVAR_cooc.W.PET
## Min. : -0.9724	Min. : -1.7194	Min. : -1.4328	Min. : -1.0019
## 1st Qu.: -0.7462	1st Qu.: -0.7078	1st Qu.: -0.7893	1st Qu.: -0.7729
## Median : -0.2752	Median : -0.2573	Median : -0.1621	Median : -0.3202
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.4203	3rd Qu.: 0.2226	3rd Qu.: 0.5930	3rd Qu.: 0.5429
## Max. : 4.3665	Max. : 2.6984	Max. : 3.2278	Max. : 3.7577
## DENT_cooc.W.PET	SAVE_cooc.W.PET	SVAR_cooc.W.PET	SENT_cooc.W.PET
## Min. : -1.5151	Min. : -1.4034	Min. : -0.9176	Min. : -1.6147
## 1st Qu.: -0.7070	1st Qu.: -0.8136	1st Qu.: -0.7077	1st Qu.: -0.7088
## Median : -0.2302	Median : -0.2408	Median : -0.2851	Median : -0.3249
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.1586	3rd Qu.: 0.5895	3rd Qu.: 0.3099	3rd Qu.: 0.2781
## Max. : 2.5901	Max. : 3.8567	Max. : 5.0280	Max. : 2.7969
## ASM_cooc.W.PET	Contrast_cooc.W.PET	Dissemblarity_cooc.W.PET	
## Min. : -1.99234	Min. : -1.0299	Min. : -1.4328	
## 1st Qu.: -0.48745	1st Qu.: -0.7928	1st Qu.: -0.7893	
## Median : 0.05841	Median : -0.3488	Median : -0.1621	
## Mean : 0.00000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.51597	3rd Qu.: 0.6780	3rd Qu.: 0.5930	
## Max. : 6.22137	Max. : 3.7078	Max. : 3.2278	
## Inv_diff_cooc.W.PET	Inv_diff_norm_cooc.W.PET	IDM_cooc.W.PET	
## Min. : -1.3099	Min. : -0.7856	Min. : -1.3363	
## 1st Qu.: -0.7837	1st Qu.: -0.6173	1st Qu.: -0.7773	
## Median : -0.2135	Median : -0.5389	Median : -0.1893	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.4930	3rd Qu.: 1.4149	3rd Qu.: 0.4888	
## Max. : 3.9426	Max. : 2.1031	Max. : 4.4456	
## IDM_norm_cooc.W.PET	Inv_var_cooc.W.PET	Correlation_cooc.W.PET	
## Min. : -0.7484	Min. : -1.4005	Min. : -2.0998	
## 1st Qu.: -0.5943	1st Qu.: -0.7615	1st Qu.: -0.5874	
## Median : -0.5463	Median : -0.2085	Median : -0.3015	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 1.5152	3rd Qu.: 0.4729	3rd Qu.: 0.5390	
## Max. : 1.9086	Max. : 4.0334	Max. : 3.2472	
## Autocorrelation_cooc.W.PET	Tendency_cooc.W.PET	Shade_cooc.W.PET	

## Min. : -0.9699	Min. : -0.9176	Min. : -0.642572	
## 1st Qu.: -0.7403	1st Qu.: -0.7077	1st Qu.: -0.368478	
## Median : -0.3359	Median : -0.2851	Median : -0.261575	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.000000	
## 3rd Qu.: 0.3654	3rd Qu.: 0.3099	3rd Qu.: 0.008015	
## Max. : 4.7041	Max. : 5.0280	Max. : 8.518947	
## Prominence_cooc.W.PET	IC1_d.W.PET	IC2_d.W.PET	
## Min. : -0.34028	Min. : -3.6791	Min. : -1.3917	
## 1st Qu.: -0.32894	1st Qu.: -0.5572	1st Qu.: -0.6843	
## Median : -0.25670	Median : 0.2495	Median : -0.3351	
## Mean : 0.00000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: -0.06026	3rd Qu.: 0.7187	3rd Qu.: 0.4516	
## Max. : 8.89848	Max. : 1.7065	Max. : 3.0508	
## Coarseness_vdif.W.PET	Contrast_vdif.W.PET	Busyness_vdif.W.PET	
## Min. : -1.99411	Min. : -1.3073	Min. : -1.0270	
## 1st Qu.: -0.55094	1st Qu.: -0.7349	1st Qu.: -0.7725	
## Median : 0.01536	Median : -0.2393	Median : -0.3510	
## Mean : 0.00000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.47908	3rd Qu.: 0.4189	3rd Qu.: 0.4780	
## Max. : 4.85464	Max. : 4.2154	Max. : 4.3207	
## Complexity_vdif.W.PET	Strength_vdif.W.PET	SRE_align.W.PET	LRE_align.W.PET
## Min. : -0.6810	Min. : -0.6419	Min. : -1.0181	Min. : -0.9674
## 1st Qu.: -0.6183	1st Qu.: -0.5195	1st Qu.: -0.6101	1st Qu.: -0.7727
## Median : -0.3570	Median : -0.3637	Median : -0.5069	Median : -0.4586
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.1677	3rd Qu.: 0.1120	3rd Qu.: 1.2989	3rd Qu.: 0.9322
## Max. : 5.9579	Max. : 7.4677	Max. : 1.9071	Max. : 3.0236
## GLNU_align.W.PET	RLNU_align.W.PET	RP_align.W.PET	LGRE_align.W.PET
## Min. : -0.8453	Min. : -0.6972	Min. : -1.1501	Min. : -1.4375
## 1st Qu.: -0.6305	1st Qu.: -0.5773	1st Qu.: -0.6020	1st Qu.: -0.7212
## Median : -0.3096	Median : -0.3785	Median : -0.4886	Median : -0.2482
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.1883	3rd Qu.: 0.1319	3rd Qu.: 1.2365	3rd Qu.: 0.4473
## Max. : 4.7459	Max. : 7.7636	Max. : 1.9575	Max. : 3.6206
## HGRE_align.W.PET	LGSRE_align.W.PET	HGSRE_align.W.PET	LGHRE_align.W.PET
## Min. : -0.9727	Min. : -1.5082	Min. : -0.9636	Min. : -1.1145
## 1st Qu.: -0.7535	1st Qu.: -0.7319	1st Qu.: -0.7545	1st Qu.: -0.6670
## Median : -0.3449	Median : -0.2761	Median : -0.3382	Median : -0.3163
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.3870	3rd Qu.: 0.4968	3rd Qu.: 0.4022	3rd Qu.: 0.3804
## Max. : 4.7116	Max. : 3.4773	Max. : 4.6655	Max. : 5.6818
## HGLRE_align.W.PET	GLNU_norm_align.W.PET	RLNU_norm_align.W.PET	
## Min. : -1.0113	Min. : -1.5704	Min. : -1.3413	
## 1st Qu.: -0.7607	1st Qu.: -0.6563	1st Qu.: -0.6216	
## Median : -0.3458	Median : -0.2646	Median : -0.4249	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.3648	3rd Qu.: 0.4728	3rd Qu.: 0.7986	
## Max. : 4.8912	Max. : 4.4945	Max. : 2.1157	
## GLVAR_align.W.PET	RLVAR_align.W.PET	Entropy_align.W.PET	SZSE.W.PET
## Min. : -0.9778	Min. : -1.2760	Min. : -1.4547	Min. : -2.1793
## 1st Qu.: -0.7581	1st Qu.: -0.6434	1st Qu.: -0.6822	1st Qu.: -0.5764
## Median : -0.2991	Median : -0.2543	Median : -0.3384	Median : -0.3760
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.3685	3rd Qu.: 0.3579	3rd Qu.: 0.2730	3rd Qu.: 0.6341

## Max. : 4.2771	Max. : 4.5541	Max. : 2.7738	Max. : 2.0828
## LZSE.W.PET	LGLZE.W.PET	HGLZE.W.PET	SZLGE.W.PET
## Min. :-0.56525	Min. :-1.4829	Min. :-0.9676	Min. :-1.6516
## 1st Qu.:-0.49773	1st Qu.:-0.7088	1st Qu.:-0.7541	1st Qu.:-0.7065
## Median :-0.33414	Median :-0.2589	Median :-0.3303	Median :-0.2553
## Mean : 0.00000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.03172	3rd Qu.: 0.5637	3rd Qu.: 0.4189	3rd Qu.: 0.6091
## Max. : 6.23487	Max. : 3.5121	Max. : 4.5971	Max. : 3.8533
## SZHGE.W.PET	LZLGE.W.PET	LZHGE.W.PET	GLNU_area.W.PET
## Min. :-0.9315	Min. :-0.3661	Min. :-1.1058	Min. :-0.7987
## 1st Qu.:-0.7586	1st Qu.:-0.3267	1st Qu.:-0.7168	1st Qu.:-0.6149
## Median :-0.3241	Median :-0.2797	Median :-0.2637	Median :-0.3290
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.3935	3rd Qu.:-0.1011	3rd Qu.: 0.4898	3rd Qu.: 0.1175
## Max. : 4.3673	Max. : 7.9493	Max. : 5.2512	Max. : 5.4500
## ZSNU.W.PET	ZSP.W.PET	GLNU_norm.W.PET	ZSNU_norm.W.PET
## Min. :-0.6430	Min. :-1.66591	Min. :-1.6056	Min. :-1.4766
## 1st Qu.:-0.5512	1st Qu.:-0.57871	1st Qu.:-0.6475	1st Qu.:-0.6368
## Median :-0.3550	Median :-0.24376	Median :-0.2568	Median :-0.2391
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.1365	3rd Qu.: 0.01851	3rd Qu.: 0.4843	3rd Qu.: 0.1228
## Max. : 8.2345	Max. : 2.33471	Max. : 4.7909	Max. : 2.4009
## GLVAR_area.W.PET	ZSVAR.W.PET	Entropy_area.W.PET	Min_hist.ADC
## Min. :-0.9650	Min. :-0.45407	Min. :-1.2694	Min. :-0.8659
## 1st Qu.:-0.7526	1st Qu.:-0.41452	1st Qu.:-0.6122	1st Qu.:-0.8657
## Median :-0.2987	Median :-0.32431	Median :-0.4336	Median :-0.3958
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.3632	3rd Qu.:-0.09921	3rd Qu.: 0.4213	3rd Qu.: 0.6625
## Max. : 4.3352	Max. : 6.96463	Max. : 2.6434	Max. : 3.4005
## Max_hist.ADC	Mean_hist.ADC	Variance_hist.ADC	
## Min. :-1.1458	Min. :-1.1633	Min. :-1.1378	
## 1st Qu.:-0.6395	1st Qu.:-0.6070	1st Qu.:-0.7342	
## Median :-0.3444	Median :-0.3730	Median :-0.1756	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.2875	3rd Qu.: 0.3761	3rd Qu.: 0.2391	
## Max. : 3.2565	Max. : 4.1608	Max. : 4.2445	
## Standard_Deviation_hist.ADC	Skewness_hist.ADC	Kurtosis_hist.ADC	
## Min. :-1.2692	Min. :-4.4869	Min. :-1.3821	
## 1st Qu.:-0.7569	1st Qu.:-0.5391	1st Qu.:-0.5941	
## Median :-0.2092	Median :-0.0200	Median :-0.2456	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.3944	3rd Qu.: 0.5024	3rd Qu.: 0.2191	
## Max. : 3.5929	Max. : 3.2363	Max. : 5.0090	
## Energy_hist.ADC	Entropy_hist.ADC	AUC_hist.ADC	Volume.ADC
## Min. :-2.2980	Min. :-1.2091	Min. :-0.9703	Min. :-1.0257
## 1st Qu.:-0.4853	1st Qu.:-0.5949	1st Qu.:-0.6408	1st Qu.:-0.7131
## Median : 0.1128	Median :-0.4706	Median :-0.5148	Median :-0.3207
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.5536	3rd Qu.: 0.3276	3rd Qu.: 0.7533	3rd Qu.: 0.4559
## Max. : 1.9300	Max. : 2.4215	Max. : 2.4529	Max. : 5.2090
## X3D_surface.ADC	ratio_3ds_vol.ADC	ratio_3ds_vol_norm.ADC	irregularity.ADC
## Min. :-0.9942	Min. :-1.3129	Min. :-1.0356	Min. :-0.9512
## 1st Qu.:-0.6849	1st Qu.:-0.6406	1st Qu.:-0.6629	1st Qu.:-0.6557
## Median :-0.3715	Median :-0.2853	Median :-0.5071	Median :-0.5135

```

## Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000
## 3rd Qu.: 0.3084      3rd Qu.: 0.2258      3rd Qu.: 1.0377      3rd Qu.: 0.7975
## Max.      : 4.4041      Max.      : 4.2847      Max.      : 3.3783      Max.      : 2.8739
## Compactness_v1.ADC Compactness_v2.ADC Spherical_disproportion.ADC
## Min.      : -2.36966    Min.      : -1.8949    Min.      : -1.0356
## 1st Qu.: -0.48498      1st Qu.: -0.6312      1st Qu.: -0.6629
## Median : -0.03812      Median : -0.2458      Median : -0.5071
## Mean      : 0.00000      Mean      : 0.0000      Mean      : 0.0000
## 3rd Qu.: 0.39424      3rd Qu.: 0.3300      3rd Qu.: 1.0377
## Max.      : 1.92604      Max.      : 2.9393      Max.      : 3.3783
## Sphericity.ADC Asphericity.ADC Center_of_mass.ADC Max_3D_diam.ADC
## Min.      : -1.3956      Min.      : -1.4420      Min.      : -1.0193      Min.      : -1.3856
## 1st Qu.: -0.6158      1st Qu.: -0.6518      1st Qu.: -0.6428      1st Qu.: -0.7000
## Median : -0.4383      Median : -0.3215      Median : -0.3676      Median : -0.2890
## Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000
## 3rd Qu.: 0.1583      3rd Qu.: 0.4512      3rd Qu.: 0.2729      3rd Qu.: 0.3907
## Max.      : 2.3002      Max.      : 4.9466      Max.      : 5.0265      Max.      : 3.6923
## Major_axis_length.ADC Minor_axis_length.ADC Least_axis_length.ADC
## Min.      : -1.4031      Min.      : -1.3722      Min.      : -1.2557
## 1st Qu.: -0.6601      1st Qu.: -0.7267      1st Qu.: -0.6933
## Median : -0.2786      Median : -0.2491      Median : -0.2565
## Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000
## 3rd Qu.: 0.3723      3rd Qu.: 0.3804      3rd Qu.: 0.3998
## Max.      : 3.9229      Max.      : 3.4663      Max.      : 4.0347
## Elongation.ADC Flatness.ADC Max_cooc.L.ADC Average_cooc.L.ADC
## Min.      : -1.4264      Min.      : -1.3266      Min.      : -2.40536      Min.      : -1.5647
## 1st Qu.: -0.6741      1st Qu.: -0.7412      1st Qu.: -0.49072      1st Qu.: -0.6815
## Median : -0.2632      Median : -0.2571      Median : 0.04561      Median : -0.3424
## Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.00000      Mean      : 0.0000
## 3rd Qu.: 0.1331      3rd Qu.: 0.3973      3rd Qu.: 0.54594      3rd Qu.: 0.4455
## Max.      : 2.7058      Max.      : 3.2541      Max.      : 2.13306      Max.      : 3.6204
## Variance_cooc.L.ADC Entropy_cooc.L.ADC DAVE_cooc.L.ADC DVAR_cooc.L.ADC
## Min.      : -1.2859      Min.      : -0.9824      Min.      : -1.2864      Min.      : -1.1717
## 1st Qu.: -0.7621      1st Qu.: -0.6248      1st Qu.: -0.6974      1st Qu.: -0.6565
## Median : -0.1890      Median : -0.4987      Median : -0.2815      Median : -0.2047
## Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000
## 3rd Qu.: 0.3842      3rd Qu.: 1.1123      3rd Qu.: 0.2482      3rd Qu.: 0.3589
## Max.      : 4.4226      Max.      : 2.2194      Max.      : 3.8017      Max.      : 4.4068
## DENT_cooc.L.ADC SAVE_cooc.L.ADC SVAR_cooc.L.ADC SENT_cooc.L.ADC
## Min.      : -0.9759      Min.      : -1.5653      Min.      : -1.2644      Min.      : -1.9727
## 1st Qu.: -0.6384      1st Qu.: -0.6818      1st Qu.: -0.7216      1st Qu.: -0.6045
## Median : -0.4655      Median : -0.3427      Median : -0.3121      Median : -0.1270
## Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000
## 3rd Qu.: 0.9078      3rd Qu.: 0.4446      3rd Qu.: 0.4169      3rd Qu.: 0.1049
## Max.      : 2.4613      Max.      : 3.6211      Max.      : 4.0559      Max.      : 2.5018
## ASM_cooc.L.ADC Contrast_cooc.L.ADC Dissimilarity_cooc.L.ADC
## Min.      : -2.3863      Min.      : -1.1727      Min.      : -1.2864
## 1st Qu.: -0.4982      1st Qu.: -0.6799      1st Qu.: -0.6974
## Median : 0.1118      Median : -0.2518      Median : -0.2815
## Mean      : 0.0000      Mean      : 0.0000      Mean      : 0.0000
## 3rd Qu.: 0.5833      3rd Qu.: 0.3354      3rd Qu.: 0.2482
## Max.      : 1.6927      Max.      : 4.6750      Max.      : 3.8017
## Inv_diff_cooc.L.ADC Inv_diff_norm_cooc.L.ADC IDM_cooc.L.ADC
## Min.      : -1.3386      Min.      : -0.7848      Min.      : -1.5068

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## 1st Qu.:-0.6851	1st Qu.:-0.6074	1st Qu.:-0.6849	
## Median :-0.3821	Median :-0.5390	Median :-0.3204	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.4258	3rd Qu.: 1.4482	3rd Qu.: 0.4067	
## Max. : 3.0608	Max. : 1.9217	Max. : 3.4277	
## IDM_norm_cooc.L.ADC	Inv_var_cooc.L.ADC	Correlation_cooc.L.ADC	
## Min. :-0.7347	Min. :-1.5182	Min. :-1.5857	
## 1st Qu.:-0.5868	1st Qu.:-0.6747	1st Qu.:-0.5887	
## Median :-0.5461	Median :-0.3082	Median :-0.2321	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 1.5511	3rd Qu.: 0.3811	3rd Qu.: 0.2686	
## Max. : 1.8161	Max. : 3.4062	Max. : 3.1376	
## Autocorrelation_.L.ADC	Tendency_cooc.L.ADC	Shade_.L.ADC	
## Min. :-1.4980	Min. :-1.2644	Min. :-3.0880	
## 1st Qu.:-0.6548	1st Qu.:-0.7216	1st Qu.:-0.4341	
## Median :-0.2485	Median :-0.3121	Median :-0.1871	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.3473	3rd Qu.: 0.4169	3rd Qu.: 0.2111	
## Max. : 4.7450	Max. : 4.0559	Max. : 4.3795	
## Prominence_cooc.L.ADC	IC1_.L.ADC	IC2_.L.ADC	
## Min. :-0.9301	Min. :-5.1869	Min. :-1.3787	
## 1st Qu.:-0.6482	1st Qu.:-0.4473	1st Qu.:-0.6500	
## Median :-0.3005	Median : 0.2340	Median :-0.3969	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.3376	3rd Qu.: 0.6165	3rd Qu.: 0.2411	
## Max. : 4.6896	Max. : 1.5551	Max. : 3.0658	
## Coarseness_vdif_.L.ADC	Contrast_vdif_.L.ADC	Busyness_vdif_.L.ADC	
## Min. :-2.02453	Min. :-0.9205	Min. :-0.7744	
## 1st Qu.:-0.47654	1st Qu.:-0.5846	1st Qu.:-0.5677	
## Median : 0.01276	Median :-0.3017	Median :-0.3409	
## Mean : 0.00000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.40344	3rd Qu.: 0.1717	3rd Qu.: 0.2597	
## Max. : 4.15362	Max. : 5.6466	Max. : 6.7651	
## Complexity_vdif_.L.ADC	Strength_vdif_.L.ADC	SRE_align.L.ADC	
## Min. :-1.4237	Min. :-0.65013	Min. :-0.7719	
## 1st Qu.:-0.6752	1st Qu.:-0.48041	1st Qu.:-0.5832	
## Median :-0.1945	Median :-0.29159	Median :-0.5443	
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	
## 3rd Qu.: 0.2832	3rd Qu.:-0.05036	3rd Qu.: 1.4803	
## Max. : 3.2894	Max. : 6.57379	Max. : 1.8545	
## LRE_align.L.ADC	GLNU_align.L.ADC	RLNU_align.L.ADC	RP_align.L.ADC
## Min. :-0.8114	Min. :-0.6574	Min. :-0.7015	Min. :-0.7982
## 1st Qu.:-0.6500	1st Qu.:-0.5599	1st Qu.:-0.5546	1st Qu.:-0.5910
## Median :-0.5388	Median :-0.3888	Median :-0.3845	Median :-0.5391
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.2822	3rd Qu.: 0.2165	3rd Qu.: 0.1460	3rd Qu.: 1.4307
## Max. : 2.3579	Max. : 6.8086	Max. : 6.4904	Max. : 1.8896
## LGRE_align.L.ADC	HGRE_align.L.ADC	LGSRE_align.L.ADC	HGSRE_align.L.ADC
## Min. :-2.2148	Min. :-1.5774	Min. :-2.2243	Min. :-1.5947
## 1st Qu.:-0.5485	1st Qu.:-0.6643	1st Qu.:-0.5445	1st Qu.:-0.6838
## Median : 0.1458	Median :-0.2731	Median : 0.1536	Median :-0.2903
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.5269	3rd Qu.: 0.3600	3rd Qu.: 0.5266	3rd Qu.: 0.3842
## Max. : 3.1699	Max. : 4.5613	Max. : 3.0478	Max. : 4.3891

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## LGHRE_align.L.ADC HGLRE_align.L.ADC GLNU_norm_align.L.ADC
## Min.      :-2.1734   Min.      :-1.4860   Min.      :-2.11008
## 1st Qu.: -0.5655   1st Qu.: -0.7008   1st Qu.: -0.48538
## Median :  0.1303   Median : -0.1989   Median : -0.06251
## Mean    :  0.0000   Mean    :  0.0000   Mean    :  0.00000
## 3rd Qu.:  0.5017   3rd Qu.:  0.2984   3rd Qu.:  0.37502
## Max.    :  3.8145   Max.    :  5.2592   Max.    :  2.81475
## RLNU_norm_align.L.ADC GLVAR_align.L.ADC RLVAR_align.L.ADC Entropy_align.L.ADC
## Min.      :-0.8664   Min.      :-1.2324   Min.      :-1.8814   Min.      :-0.7768
## 1st Qu.: -0.6053   1st Qu.: -0.7363   1st Qu.: -0.5808   1st Qu.: -0.6281
## Median : -0.5184   Median : -0.2167   Median : -0.1993   Median : -0.5369
## Mean    :  0.0000   Mean    :  0.0000   Mean    :  0.0000   Mean    :  0.0000
## 3rd Qu.:  1.2976   3rd Qu.:  0.3836   3rd Qu.:  0.4437   3rd Qu.:  1.3840
## Max.    :  2.0169   Max.    :  4.7240   Max.    :  3.8452   Max.    :  2.1004
## SZSE.L.ADC      LZSE.L.ADC      LGLZE.L.ADC      HGLZE.L.ADC
## Min.      :-0.8496   Min.      :-0.9893   Min.      :-2.2245   Min.      :-1.5684
## 1st Qu.: -0.6186   1st Qu.: -0.6976   1st Qu.: -0.5451   1st Qu.: -0.6815
## Median : -0.5273   Median : -0.4658   Median :  0.1492   Median : -0.2709
## Mean    :  0.0000   Mean    :  0.0000   Mean    :  0.0000   Mean    :  0.0000
## 3rd Qu.:  1.3310   3rd Qu.:  0.5987   3rd Qu.:  0.5309   3rd Qu.:  0.3807
## Max.    :  2.0528   Max.    :  3.7629   Max.    :  2.8769   Max.    :  4.4810
## SZLGE.L.ADC     SZHGE.L.ADC     LZLGE.L.ADC     LZHGE.L.ADC
## Min.      :-2.2426   Min.      :-1.6111   Min.      :-1.99415   Min.      :-1.0980
## 1st Qu.: -0.5407   1st Qu.: -0.6719   1st Qu.: -0.57935   1st Qu.: -0.6538
## Median :  0.1133   Median : -0.2769   Median :  0.07479   Median : -0.2980
## Mean    :  0.0000   Mean    :  0.0000   Mean    :  0.00000   Mean    :  0.0000
## 3rd Qu.:  0.5203   3rd Qu.:  0.3855   3rd Qu.:  0.43939   3rd Qu.:  0.3151
## Max.    :  2.5683   Max.    :  4.0198   Max.    :  5.02589   Max.    :  6.1772
## GLNU_area.L.ADC  ZSNU.L.ADC      ZSP.L.ADC      GLNU_norm.L.ADC
## Min.      :-0.6701   Min.      :-0.7023   Min.      :-0.9792   Min.      :-2.11873
## 1st Qu.: -0.5637   1st Qu.: -0.5485   1st Qu.: -0.6124   1st Qu.: -0.46511
## Median : -0.3845   Median : -0.3419   Median : -0.4893   Median : -0.03802
## Mean    :  0.0000   Mean    :  0.0000   Mean    :  0.0000   Mean    :  0.00000
## 3rd Qu.:  0.1403   3rd Qu.:  0.1582   3rd Qu.:  1.0724   3rd Qu.:  0.37453
## Max.    :  6.0648   Max.    :  6.7810   Max.    :  2.2292   Max.    :  2.60581
## ZSNU_norm.L.ADC  GLVAR_area.L.ADC  ZSVAR.L.ADC     Entropy_area.L.ADC
## Min.      :-1.0136   Min.      :-1.2168   Min.      :-0.8481   Min.      :-0.7653
## 1st Qu.: -0.6068   1st Qu.: -0.7329   1st Qu.: -0.5710   1st Qu.: -0.6170
## Median : -0.4718   Median : -0.2247   Median : -0.3763   Median : -0.5393
## Mean    :  0.0000   Mean    :  0.0000   Mean    :  0.0000   Mean    :  0.0000
## 3rd Qu.:  0.9821   3rd Qu.:  0.3653   3rd Qu.:  0.1338   3rd Qu.:  1.3657
## Max.    :  2.4730   Max.    :  4.8084   Max.    :  4.4745   Max.    :  2.0718
## Max_cooc.H.ADC   Average_cooc.H.ADC  Variance_cooc.H.ADC  Entropy_cooc.H.ADC
## Min.      :-2.3371   Min.      :-0.7948   Min.      :-0.7235   Min.      :-0.8847
## 1st Qu.: -0.4994   1st Qu.: -0.6111   1st Qu.: -0.6025   1st Qu.: -0.5826
## Median :  0.1186   Median : -0.5369   Median : -0.5508   Median : -0.5426
## Mean    :  0.0000   Mean    :  0.0000   Mean    :  0.0000   Mean    :  0.0000
## 3rd Qu.:  0.5854   3rd Qu.:  1.2501   3rd Qu.:  1.4743   3rd Qu.:  1.1187
## Max.    :  1.7159   Max.    :  2.1569   Max.    :  1.9213   Max.    :  1.8848
## DAVE_cooc.H.ADC  DVAR_cooc.H.ADC     DENT_cooc.H.ADC     SAVE_cooc.H.ADC
## Min.      :-1.1715   Min.      :-1.1938   Min.      :-0.7651   Min.      :-0.7953
## 1st Qu.: -0.6742   1st Qu.: -0.6459   1st Qu.: -0.6067   1st Qu.: -0.6114
## Median : -0.4508   Median : -0.3725   Median : -0.5447   Median : -0.5374
## Mean    :  0.0000   Mean    :  0.0000   Mean    :  0.0000   Mean    :  0.0000

```

## 3rd Qu.: 0.3058	3rd Qu.: 0.1048	3rd Qu.: 1.3235	3rd Qu.: 1.2503
## Max. : 2.6408	Max. : 2.7511	Max. : 1.9569	Max. : 2.1563
## SVAR_cooc.H.ADC	SENT_cooc.H.ADC	ASM_cooc.H.ADC	Contrast_cooc.H.ADC
## Min. : -0.9707	Min. : -0.9294	Min. : -2.3505	Min. : -1.2775
## 1st Qu.: -0.6441	1st Qu.: -0.6185	1st Qu.: -0.4601	1st Qu.: -0.6448
## Median : -0.4055	Median : -0.5117	Median : 0.1116	Median : -0.3296
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.8015	3rd Qu.: 1.0046	3rd Qu.: 0.6028	3rd Qu.: 0.2470
## Max. : 2.4109	Max. : 2.2145	Max. : 1.4704	Max. : 2.9382
## Dissimilarity_cooc.H.ADC	Inv_diff_cooc.H.ADC	Inv_diff_norm_cooc.H.ADC	
## Min. : -1.1715	Min. : -1.5080	Min. : -0.8136	
## 1st Qu.: -0.6742	1st Qu.: -0.5884	1st Qu.: -0.5940	
## Median : -0.4508	Median : -0.3060	Median : -0.5295	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.3058	3rd Qu.: 0.3670	3rd Qu.: 1.4111	
## Max. : 2.6408	Max. : 2.9514	Max. : 1.9758	
## IDM_cooc.H.ADC	IDM_norm_cooc.H.ADC	Inv_var_cooc.H.ADC	
## Min. : -1.8238	Min. : -0.7770	Min. : -1.8455	
## 1st Qu.: -0.5396	1st Qu.: -0.5848	1st Qu.: -0.4991	
## Median : -0.1772	Median : -0.5391	Median : -0.1806	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.5376	3rd Qu.: 1.4745	3rd Qu.: 0.4257	
## Max. : 3.1890	Max. : 1.8842	Max. : 3.1448	
## Correlation_cooc.H.ADC	Autocorrelation_cooc.H.ADC	Tendency_cooc.H.ADC	
## Min. : -1.5337	Min. : -1.0271	Min. : -0.9707	
## 1st Qu.: -0.5809	1st Qu.: -0.6158	1st Qu.: -0.6441	
## Median : -0.2354	Median : -0.5417	Median : -0.4055	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.2656	3rd Qu.: 0.7441	3rd Qu.: 0.8015	
## Max. : 3.2010	Max. : 2.2641	Max. : 2.4109	
## Shade_cooc.H.ADC	Prominence_cooc.H.ADC	IC1_d.H.ADC	IC2_d.H.ADC
## Min. : -2.77052	Min. : -1.1193	Min. : -6.0367	Min. : -1.2413
## 1st Qu.: -0.53284	1st Qu.: -0.6229	1st Qu.: -0.2691	1st Qu.: -0.6695
## Median : 0.02229	Median : -0.3702	Median : 0.2777	Median : -0.4280
## Mean : 0.00000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.52112	3rd Qu.: 0.3676	3rd Qu.: 0.5805	3rd Qu.: 0.3188
## Max. : 3.79390	Max. : 2.6578	Max. : 1.1009	Max. : 3.0638
## Coarseness_vdif.H.ADC	Contrast_vdif.H.ADC	Busyness_vdif.H.ADC	
## Min. : -2.03513	Min. : -1.2124	Min. : -0.6917	
## 1st Qu.: -0.48736	1st Qu.: -0.6760	1st Qu.: -0.5554	
## Median : 0.02405	Median : -0.4152	Median : -0.3450	
## Mean : 0.00000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.43289	3rd Qu.: 0.1278	3rd Qu.: 0.1152	
## Max. : 4.13594	Max. : 2.7803	Max. : 6.4584	
## Complexity_vdif.H.ADC	Strength_vdif.H.ADC	SRE_align.H.ADC	LRE_align.H.ADC
## Min. : -1.2507	Min. : -0.5432	Min. : -0.7222	Min. : -0.7514
## 1st Qu.: -0.6866	1st Qu.: -0.4499	1st Qu.: -0.5795	1st Qu.: -0.6115
## Median : -0.4396	Median : -0.3040	Median : -0.5513	Median : -0.5418
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.1617	3rd Qu.: -0.1236	3rd Qu.: 1.5719	3rd Qu.: 1.4942
## Max. : 2.8308	Max. : 7.0284	Max. : 1.7996	Max. : 2.0278
## GLNU_align.H.ADC	RLNU_align.H.ADC	RP_align.H.ADC	LGRE_align.H.ADC
## Min. : -0.6935	Min. : -0.7005	Min. : -0.7282	Min. : -2.15229
## 1st Qu.: -0.5587	1st Qu.: -0.5612	1st Qu.: -0.5806	1st Qu.: -0.45456

## Median :-0.3999	Median :-0.3997	Median :-0.5496	Median :-0.05554
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: 0.1402	3rd Qu.: 0.1532	3rd Qu.: 1.5612	3rd Qu.: 0.42792
## Max. : 6.4171	Max. : 6.3321	Max. : 1.8209	Max. : 1.90419
## HGRE_align.H.ADC	LGSRE_align.H.ADC	HGSRE_align.H.ADC	LGHRE_align.H.ADC
## Min. :-0.6158	Min. :-2.21358	Min. :-0.6616	Min. :-2.16369
## 1st Qu.: -0.5856	1st Qu.: -0.46834	1st Qu.: -0.5905	1st Qu.: -0.43595
## Median :-0.5793	Median :-0.03469	Median :-0.5732	Median :-0.08695
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: 1.6403	3rd Qu.: 0.40877	3rd Qu.: 1.5502	3rd Qu.: 0.37072
## Max. : 1.7953	Max. : 1.95168	Max. : 1.8648	Max. : 2.34515
## HGLRE_align.H.ADC	GLNU_norm_align.H.ADC	RLNU_norm_align.H.ADC	
## Min. :-0.6756	Min. :-2.22103	Min. :-0.7467	
## 1st Qu.: -0.6034	1st Qu.: -0.54265	1st Qu.: -0.5861	
## Median :-0.5529	Median :-0.03044	Median :-0.5508	
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	
## 3rd Qu.: 1.4993	3rd Qu.: 0.50950	3rd Qu.: 1.5274	
## Max. : 2.1245	Max. : 1.70856	Max. : 1.8932	
## GLVAR_align.H.ADC	RLVAR_align.H.ADC	Entropy_align.H.ADC	SZSE.H.ADC
## Min. :-0.6228	Min. :-2.23664	Min. :-0.6485	Min. :-0.7613
## 1st Qu.: -0.5864	1st Qu.: -0.45655	1st Qu.: -0.5877	1st Qu.: -0.5921
## Median :-0.5747	Median : 0.03709	Median :-0.5689	Median :-0.5464
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.6294	3rd Qu.: 0.48787	3rd Qu.: 1.5623	3rd Qu.: 1.4964
## Max. : 1.7875	Max. : 3.26888	Max. : 1.8011	Max. : 1.9530
## LZSE.H.ADC	LGLZE.H.ADC	HGLZE.H.ADC	SZLGE.H.ADC
## Min. :-0.9658	Min. :-2.22947	Min. :-0.6777	Min. :-2.274047
## 1st Qu.: -0.6763	1st Qu.: -0.47148	1st Qu.: -0.5910	1st Qu.: -0.432630
## Median :-0.4997	Median :-0.01215	Median :-0.5690	Median : 0.006384
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.000000
## 3rd Qu.: 0.8006	3rd Qu.: 0.44354	3rd Qu.: 1.5427	3rd Qu.: 0.457299
## Max. : 2.7486	Max. : 2.02997	Max. : 1.8487	Max. : 2.138033
## SZHGE.H.ADC	LZLGE.H.ADC	LZHGE.H.ADC	GLNU_area.H.ADC
## Min. :-0.7407	Min. :-1.9143	Min. :-0.9615	Min. :-0.6950
## 1st Qu.: -0.5947	1st Qu.: -0.4764	1st Qu.: -0.6552	1st Qu.: -0.5584
## Median :-0.5574	Median :-0.1523	Median :-0.5438	Median :-0.3958
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.3859	3rd Qu.: 0.4952	3rd Qu.: 0.7570	3rd Qu.: 0.1541
## Max. : 2.0669	Max. : 4.3386	Max. : 3.9017	Max. : 6.4362
## ZSNU.H.ADC	ZSP.H.ADC	GLNU_norm.H.ADC	ZSNU_norm.H.ADC
## Min. :-0.7054	Min. :-0.8087	Min. :-2.22083	Min. :-0.8353
## 1st Qu.: -0.5636	1st Qu.: -0.6050	1st Qu.: -0.54112	1st Qu.: -0.6110
## Median :-0.3916	Median :-0.5389	Median :-0.03152	Median :-0.5388
## Mean : 0.0000	Mean : 0.0000	Mean : 0.00000	Mean : 0.0000
## 3rd Qu.: 0.1526	3rd Qu.: 1.4343	3rd Qu.: 0.50815	3rd Qu.: 1.2790
## Max. : 6.3748	Max. : 2.0467	Max. : 1.72002	Max. : 2.2862
## GLVAR_area.H.ADC	ZSVAR.H.ADC	Entropy_area.H.ADC	Max_cooc.W.ADC
## Min. :-0.7003	Min. :-1.3982	Min. :-0.7062	Min. :-2.3379
## 1st Qu.: -0.5925	1st Qu.: -0.6448	1st Qu.: -0.5938	1st Qu.: -0.4827
## Median :-0.5589	Median :-0.2461	Median :-0.5557	Median : 0.1420
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.4922	3rd Qu.: 0.3541	3rd Qu.: 1.4400	3rd Qu.: 0.5983
## Max. : 1.8856	Max. : 4.8315	Max. : 1.8920	Max. : 1.5572
## Average_cooc.W.ADC	Variance_cooc.W.ADC	DAVE_cooc.W.ADC	DVAR_cooc.W.ADC

## Min. : -1.4890	Min. : -1.1255	Min. : -1.4215	Min. : -1.1708
## 1st Qu.: -0.6443	1st Qu.: -0.6947	1st Qu.: -0.6477	1st Qu.: -0.6932
## Median : -0.1974	Median : -0.1999	Median : -0.3082	Median : -0.2843
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.2788	3rd Qu.: 0.2675	3rd Qu.: 0.4060	3rd Qu.: 0.3968
## Max. : 3.1582	Max. : 4.3063	Max. : 3.6687	Max. : 4.2974
## DENT_cooc.W.ADC	SAVE_cooc.W.ADC	SVAR_cooc.W.ADC	SENT_cooc.W.ADC
## Min. : -0.9201	Min. : -1.5115	Min. : -1.0500	Min. : -1.9175
## 1st Qu.: -0.6168	1st Qu.: -0.6428	1st Qu.: -0.7069	1st Qu.: -0.5955
## Median : -0.4971	Median : -0.1899	Median : -0.2297	Median : -0.2012
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.0249	3rd Qu.: 0.3385	3rd Qu.: 0.2119	3rd Qu.: 0.2247
## Max. : 2.2735	Max. : 3.2681	Max. : 4.4179	Max. : 2.7670
## ASM_cooc.W.ADC	Contrast_cooc.W.ADC	Dissemblability_cooc.W.ADC	
## Min. : -2.3485	Min. : -1.2599	Min. : -1.4215	
## 1st Qu.: -0.4625	1st Qu.: -0.6538	1st Qu.: -0.6477	
## Median : 0.1160	Median : -0.2904	Median : -0.3082	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.6007	3rd Qu.: 0.4014	3rd Qu.: 0.4060	
## Max. : 1.4834	Max. : 4.4526	Max. : 3.6687	
## Inv_diff_cooc.W.ADC	Inv_diff_norm_cooc.W.ADC	IDM_cooc.W.ADC	
## Min. : -2.4673	Min. : -0.7847	Min. : -1.8818	
## 1st Qu.: -0.5374	1st Qu.: -0.6079	1st Qu.: -0.5428	
## Median : -0.2640	Median : -0.5392	Median : -0.1774	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.4018	3rd Qu.: 1.4483	3rd Qu.: 0.4203	
## Max. : 3.4195	Max. : 1.9241	Max. : 3.6069	
## IDM_norm_cooc.W.ADC	Inv_var_cooc.W.ADC	Correlation_cooc.W.ADC	
## Min. : -0.7349	Min. : -1.8864	Min. : -1.5829	
## 1st Qu.: -0.5875	1st Qu.: -0.5355	1st Qu.: -0.5917	
## Median : -0.5463	Median : -0.1854	Median : -0.2323	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 1.5506	3rd Qu.: 0.4358	3rd Qu.: 0.2677	
## Max. : 1.8175	Max. : 3.6532	Max. : 3.1362	
## Autocorrelation_cooc.W.ADC	Tendency_cooc.W.ADC	Shade_cooc.W.ADC	
## Min. : -1.2943	Min. : -1.0500	Min. : -2.2695	
## 1st Qu.: -0.6547	1st Qu.: -0.7069	1st Qu.: -0.4006	
## Median : -0.2595	Median : -0.2297	Median : -0.2135	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.4212	3rd Qu.: 0.2119	3rd Qu.: 0.2092	
## Max. : 4.0616	Max. : 4.4179	Max. : 5.4450	
## Prominence_cooc.W.ADC	IC1_d.W.ADC	IC2_d.W.ADC	
## Min. : -0.6919	Min. : -4.5975	Min. : -1.2237	
## 1st Qu.: -0.6007	1st Qu.: -0.4209	1st Qu.: -0.6385	
## Median : -0.3129	Median : 0.1758	Median : -0.4111	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.0198	3rd Qu.: 0.7310	3rd Qu.: 0.5026	
## Max. : 5.8345	Max. : 1.3308	Max. : 2.5156	
## Coarseness_vdif.W.ADC	Contrast_vdif.W.ADC	Busyness_vdif.W.ADC	
## Min. : -2.1195	Min. : -0.9791	Min. : -2.11863	
## 1st Qu.: -0.4700	1st Qu.: -0.5561	1st Qu.: -0.52395	
## Median : 0.0510	Median : -0.3072	Median : -0.09297	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.00000	
## 3rd Qu.: 0.4602	3rd Qu.: 0.1078	3rd Qu.: 0.43915	

## Max. : 3.8050	Max. : 6.8033	Max. : 4.28742	
## Complexity_vdif.W.ADC	Strength_vdif.W.ADC	SRE_align.W.ADC	LRE_align.W.ADC
## Min. :-0.9709	Min. :-1.1121	Min. :-0.7308	Min. :-0.7211
## 1st Qu.:-0.6681	1st Qu.:-0.6535	1st Qu.:-0.5816	1st Qu.:-0.5887
## Median :-0.2653	Median :-0.3435	Median :-0.5543	Median :-0.5529
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.3990	3rd Qu.: 0.3265	3rd Qu.: 1.5552	3rd Qu.: 1.5492
## Max. : 6.0882	Max. : 4.9793	Max. : 1.7860	Max. : 1.9636
## GLNU_align.W.ADC	RLNU_align.W.ADC	RP_align.W.ADC	LGRE_align.W.ADC
## Min. :-0.7333	Min. :-0.6902	Min. :-0.7401	Min. :-2.27237
## 1st Qu.:-0.5941	1st Qu.:-0.5539	1st Qu.:-0.5818	1st Qu.:-0.51539
## Median :-0.3737	Median :-0.3981	Median :-0.5526	Median : 0.09534
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: 0.1388	3rd Qu.: 0.1480	3rd Qu.: 1.5379	3rd Qu.: 0.54819
## Max. : 6.5566	Max. : 6.5382	Max. : 1.7965	Max. : 2.70926
## HGRE_align.W.ADC	LGSRE_align.W.ADC	HGSRE_align.W.ADC	LGHRE_align.W.ADC
## Min. :-1.3135	Min. :-2.27566	Min. :-1.3136	Min. :-2.24791
## 1st Qu.:-0.6889	1st Qu.:-0.51275	1st Qu.:-0.6882	1st Qu.:-0.52760
## Median :-0.1647	Median : 0.09994	Median :-0.1662	Median : 0.07717
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: 0.4045	3rd Qu.: 0.55436	3rd Qu.: 0.4067	3rd Qu.: 0.52536
## Max. : 4.0753	Max. : 2.61211	Max. : 4.0823	Max. : 3.19638
## HGLRE_align.W.ADC	GLNU_norm_align.W.ADC	RLNU_norm_align.W.ADC	
## Min. :-1.3123	Min. :-2.28055	Min. :-0.7720	
## 1st Qu.:-0.6870	1st Qu.:-0.46039	1st Qu.:-0.5878	
## Median :-0.1590	Median : 0.01598	Median :-0.5460	
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	
## 3rd Qu.: 0.3984	3rd Qu.: 0.54042	3rd Qu.: 1.4790	
## Max. : 4.0428	Max. : 2.32851	Max. : 1.8347	
## GLVAR_align.W.ADC	RLVAR_align.W.ADC	Entropy_align.W.ADC	SZSE.W.ADC
## Min. :-1.1389	Min. :-2.29100	Min. :-0.9913	Min. :-0.7773
## 1st Qu.:-0.7347	1st Qu.:-0.46023	1st Qu.:-0.6439	1st Qu.:-0.5819
## Median :-0.1759	Median : 0.02314	Median :-0.4745	Median :-0.5430
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.2403	3rd Qu.: 0.49588	3rd Qu.: 0.8898	3rd Qu.: 1.4776
## Max. : 4.2367	Max. : 2.82723	Max. : 2.4115	Max. : 1.8160
## LZSE.W.ADC	LGLZE.W.ADC	HGLZE.W.ADC	SZLGE.W.ADC
## Min. :-0.7715	Min. :-2.2768	Min. :-1.3138	Min. :-2.2818
## 1st Qu.:-0.6308	1st Qu.:-0.5090	1st Qu.:-0.6890	1st Qu.:-0.5025
## Median :-0.5511	Median : 0.1003	Median :-0.1561	Median : 0.1009
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.2120	3rd Qu.: 0.5570	3rd Qu.: 0.4104	3rd Qu.: 0.5705
## Max. : 2.5306	Max. : 2.4096	Max. : 4.0870	Max. : 2.1477
## SZHGE.W.ADC	LZLGE.W.ADC	LZHGE.W.ADC	GLNU_area.W.ADC
## Min. :-1.3133	Min. :-2.13651	Min. :-1.3090	Min. :-0.7321
## 1st Qu.:-0.6852	1st Qu.:-0.54372	1st Qu.:-0.7059	1st Qu.:-0.5915
## Median :-0.1610	Median : 0.08248	Median :-0.1803	Median :-0.3799
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.4095	3rd Qu.: 0.46969	3rd Qu.: 0.4200	3rd Qu.: 0.1598
## Max. : 4.1196	Max. : 4.04184	Max. : 4.2178	Max. : 6.6650
## ZSNU.W.ADC	ZSP.W.ADC	GLNU_norm.W.ADC	ZSNU_norm.W.ADC
## Min. :-0.6841	Min. :-0.8076	Min. :-2.2549	Min. :-0.8857
## 1st Qu.:-0.5457	1st Qu.:-0.5855	1st Qu.:-0.4805	1st Qu.:-0.6034
## Median :-0.3904	Median :-0.5378	Median : 0.0624	Median :-0.5320

```
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.1352 3rd Qu.: 1.4251 3rd Qu.: 0.5381 3rd Qu.: 1.2603
## Max. : 6.6729 Max. : 1.8574 Max. : 2.2114 Max. : 2.0579
## GLVAR_area.W.ADC ZSVAR.W.ADC Entropy_area.W.ADC
## Min. : -1.1391 Min. : -1.6945 Min. : -0.9756
## 1st Qu.: -0.7273 1st Qu.: -0.5990 1st Qu.: -0.6280
## Median : -0.1741 Median : -0.1693 Median : -0.4946
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.2387 3rd Qu.: 0.4701 3rd Qu.: 0.8891
## Max. : 4.2228 Max. : 4.5022 Max. : 2.2949
```

```
head(df_norm)
```

```
## Failure Entropy_cooc.W.ADC GLNU_align.H.PET Min_hist.PET Max_hist.PET
## 1 1.1985789 0.55290547 -0.57063689 -0.4541408 -0.4361311
## 2 -0.7212472 -0.06486729 -0.78903636 0.4998369 0.1486951
## 3 2.7926271 0.45990825 -0.06024275 -1.1504338 -1.1768823
## 4 -0.4442487 1.14318298 2.67468822 -0.4446190 -0.1516658
## 5 0.6898772 0.34499368 -0.06740573 -0.9887407 -1.1061760
## 6 -1.1289054 0.84917904 0.07354603 -1.1864923 -1.2223057
## Mean_hist.PET Variance_hist.PET Standard_Deviation_hist.PET Skewness_hist.PET
## 1 -0.4204856 -0.2625994 -0.2362506 -0.3229376
## 2 0.3153953 0.3949731 0.2970175 -0.1769772
## 3 -1.1362283 -0.8957972 -1.1289710 -0.9586986
## 4 -0.3486295 -0.2802885 -0.2534091 -0.1155757
## 5 -1.1155134 -0.9335606 -1.2398300 0.9580073
## 6 -1.2048611 -0.9289185 -1.2246350 -0.4355546
## Kurtosis_hist.PET Energy_hist.PET Entropy_hist.PET AUC_hist.PET H_suv.PET
## 1 -0.2730969 0.05021980 -0.3798553 -0.5675836 -0.1211439
## 2 -0.2664840 0.09191129 -0.7468252 -0.5634659 0.9495392
## 3 -0.4718456 0.04744499 -0.3704894 -0.5814501 -1.0718855
## 4 0.1199784 -0.01242149 -0.1570421 -0.4067915 -0.3934530
## 5 0.9071980 0.15326924 -0.8531740 -0.4082919 -1.2107989
## 6 -0.1910724 0.05514509 -0.1536498 -0.5643056 -1.1009679
## Volume.PET X3D_surface.PET ratio_3ds_vol.PET ratio_3ds_vol_norm.PET
## 1 -0.77134265 -0.5201102 -0.2282413 -0.376749051
## 2 -0.86978222 -0.4310874 0.4221576 0.001181975
## 3 -0.48494090 -0.1551558 -0.2483619 -0.113559448
## 4 0.05871532 0.2442709 -0.7007345 -0.069268090
## 5 -0.42285136 -0.4502135 0.4091793 -0.004442091
## 6 -0.76048331 -0.3917880 -0.0350387 -0.185715505
## irregularity.PET tumor_length.PET Compactness_v1.PET Compactness_v2.PET
## 1 -0.4041462 -0.4993850 -0.07197872 -0.4249126
## 2 -0.2594920 -0.6246547 -0.08449944 -0.4265812
## 3 -0.5006828 -0.3144097 -0.08158664 -0.4262617
## 4 -0.7786312 0.3678334 -0.08276045 -0.4263918
## 5 -0.3960864 -0.6910089 -0.08436902 -0.4265693
## 6 -0.4839717 -0.4467293 -0.07941290 -0.4259895
## Spherical_disproportion.PET Sphericity.PET Asphericity.PET Center_of_mass.PET
## 1 -0.376749051 -0.4428932 -0.36463396 -0.03050325
## 2 0.001181975 -0.5051973 0.02005061 -0.32639266
## 3 -0.113559448 -0.4897787 -0.09674122 -0.58411455
## 4 -0.069268090 -0.4960147 -0.05165838 0.04330285
## 5 -0.004442091 -0.5044949 0.01432605 -0.40817644
```

## 6	-0.185715505	-0.4787394	-0.17018669	-0.69694662
##	Max_3D_diam.PET	Major_axis_length.PET	Minor_axis_length.PET	
## 1	-0.66406536	-0.77986887	-0.8104678	
## 2	-0.75236400	-0.76712458	-0.7488362	
## 3	-0.53368216	-0.45235010	-0.6156914	
## 4	-0.05279069	-0.06489845	0.4300517	
## 5	-0.79913502	-0.74622189	-0.8991212	
## 6	-0.62695008	-0.57774168	-0.5623790	
##	Least_axis_length.PET	Elongation.PET	Flatness.PET	Max_cooc.L.PET
## 1	-0.5530902	-0.3767912	0.0388863	0.01907240
## 2	-0.7395741	-0.3002178	-0.3471572	0.13070498
## 3	-0.4296651	-0.6833310	-0.4444301	0.01953020
## 4	0.7399041	-0.1112560	0.3031255	0.05256218
## 5	-0.7280052	-0.6012065	-0.3723581	0.10827282
## 6	-0.9903323	-0.4089789	-1.0862675	0.03231337
##	Average_cooc.L.PET	Variance_cooc.L.PET	Entropy_cooc.L.PET	DAVE_cooc.L.PET
## 1	-0.38679684	-0.10747089	-0.4982927	-0.32209112
## 2	-0.47577094	0.09064602	-0.5860237	0.01715114
## 3	0.01393894	-0.07644599	-0.4564828	-0.25478670
## 4	-0.85110310	-1.08067728	-0.5975811	-1.01842876
## 5	-1.07572238	-0.70694040	-0.6879367	-0.57943763
## 6	-0.34383121	-0.33459330	-0.4952102	-0.35338811
##	DVAR_cooc.L.PET	DENT_cooc.L.PET	SAVE_cooc.L.PET	SVAR_cooc.L.PET
## 1	-0.4376118	-0.4886194	-0.38709402	-0.02670287
## 2	0.2839811	-0.3924968	-0.47610489	-0.05030249
## 3	-0.4201798	-0.4853888	0.01380756	0.01642425
## 4	-1.0814113	-0.7736715	-0.85159235	-1.03759534
## 5	-0.5145756	-0.5799860	-1.07630456	-0.76817505
## 6	-0.3880621	-0.5037470	-0.34411057	-0.33550372
##	SENT_cooc.L.PET	ASM_cooc.L.PET	Contrast_cooc.L.PET	Dissimilarity_cooc.L.PET
## 1	-0.4370125	0.08567996	-0.2213217	-0.32209112
## 2	-0.4522504	0.09647507	0.3022677	0.01715114
## 3	-0.4160760	0.08186129	-0.2136907	-0.25478670
## 4	-0.5918277	0.09955938	-1.0037577	-1.01842876
## 5	-0.6137263	0.11134587	-0.5146244	-0.57943763
## 6	-0.4628880	0.08443155	-0.2881716	-0.35338811
##	Inv_diff_cooc.L.PET	Inv_diff_norm_cooc.L.PET	IDM_cooc.L.PET	
## 1	-0.56676432	-0.5763209	-0.5299735	
## 2	-0.65677272	-0.6263249	-0.5765204	
## 3	-0.67304907	-0.5908391	-0.6595578	
## 4	0.01529491	-0.4583262	0.1580695	
## 5	-0.35540218	-0.5329963	-0.2767734	
## 6	-0.55940955	-0.5726633	-0.5141966	
##	IDM_norm_cooc.L.PET	Inv_var_cooc.L.PET	Correlation_cooc.L.PET	
## 1	-0.5673986	-0.5326148	-0.2395619	
## 2	-0.6053420	-0.5811335	-0.8363785	
## 3	-0.5704381	-0.6177360	-0.2158561	
## 4	-0.5056711	0.2132500	0.1061216	
## 5	-0.5441814	-0.2387626	-0.5520434	
## 6	-0.5628242	-0.5072913	-0.4179359	
##	Autocorrelation_cooc.L.PET	Tendency_cooc.L.PET	Shade_cooc.L.PET	
## 1	-0.2329996	-0.02670287	0.1671657	
## 2	-0.4242598	-0.05030249	-0.2480649	
## 3	0.3938654	0.01642425	-1.0691758	

## 4	-0.9158615	-1.03759534	-0.4177156	
## 5	-1.1530657	-0.76817505	0.7271944	
## 6	-0.2233890	-0.33550372	-0.3600608	
##	Prominence_cooc.L.PET	IC1_.L.PET	IC2_.L.PET	Coarseness_vdif_.L.PET
## 1	0.03098815	0.28708958	-0.3388377	0.006376387
## 2	-0.09787370	0.07137519	-0.2700784	0.002781345
## 3	-0.10490242	0.48311676	-0.4270856	0.062882324
## 4	-0.99146297	0.85653165	-0.7163131	-0.265687089
## 5	-0.21532057	0.51165900	-0.5122657	0.091004827
## 6	-0.28337792	0.45766703	-0.4241077	0.056388055
##	Contrast_vdif_.L.PET	Busyness_vdif_.L.PET	Complexity_vdif_.L.PET	
## 1	-0.20028108	-0.5370115	-0.2662241	
## 2	0.04845588	-0.5588516	0.1658987	
## 3	-0.20399173	-0.6279787	-0.4553060	
## 4	-0.56421930	0.3930587	-0.9080359	
## 5	-0.28542101	-0.5535294	-0.2924139	
## 6	-0.26453325	-0.5919696	-0.4582705	
##	Strength_vdif_.L.PET	SRE_align.L.PET	LRE_align.L.PET	GLNU_align.L.PET
## 1	-0.26986044	-0.5491186	-0.6008961	-0.5518738
## 2	-0.08939775	-0.5417070	-0.6286505	-0.5804090
## 3	-0.33357336	-0.5429081	-0.6287202	-0.5689426
## 4	-0.74161019	-0.5790227	-0.4805041	0.8278520
## 5	0.36980693	-0.5500234	-0.6039683	-0.5451300
## 6	-0.29834594	-0.5507824	-0.6004473	-0.5535866
##	RLNU_align.L.PET	RP_align.L.PET	LGRE_align.L.PET	HGRE_align.L.PET
## 1	-0.5464275	-0.5474571	-0.1363764	-0.2927891
## 2	-0.6108530	-0.5377614	-0.1015623	-0.3788537
## 3	-0.5406625	-0.5385648	-0.5363455	0.2550858
## 4	0.8204210	-0.5874610	-0.3920716	-0.8757658
## 5	-0.6113202	-0.5474295	0.3215672	-1.1367241
## 6	-0.5389372	-0.5485107	-0.3905515	-0.1862284
##	LGSRE_align.L.PET	HGSRE_align.L.PET	LGHRE_align.L.PET	HGLRE_align.L.PET
## 1	-0.1309227	-0.2892810	-0.1586271	-0.3027382
## 2	-0.1020941	-0.3648331	-0.1043141	-0.4335426
## 3	-0.5281412	0.2543553	-0.5656372	0.2540986
## 4	-0.3977173	-0.8798431	-0.3696846	-0.8559685
## 5	0.3336016	-1.1252892	0.2682880	-1.1814830
## 6	-0.3835794	-0.1800162	-0.4177003	-0.2110612
##	GLNU_norm_align.L.PET	RLNU_norm_align.L.PET	GLVAR_align.L.PET	
## 1	-0.23873077	-0.5367407	-0.10514870	
## 2	-0.09112146	-0.5172827	0.02719377	
## 3	-0.32104774	-0.5210072	0.04708212	
## 4	-0.12102818	-0.6136212	-1.05093564	
## 5	0.11402955	-0.5396152	-0.91313817	
## 6	-0.27069541	-0.5414162	-0.24895053	
##	RLVAR_align.L.PET	Entropy_align.L.PET	SZSE.L.PET	LZSE.L.PET
## 1	-0.2613329	-0.5213924	-0.5416124	-0.4480602
## 2	-0.3774656	-0.6055192	-0.4622829	-0.6146387
## 3	-0.3933670	-0.4724149	-0.4319895	-0.7703556
## 4	0.2721998	-0.5657969	-0.5905909	-0.1684870
## 5	-0.2978019	-0.7451479	-0.4515025	-0.7298394
## 6	-0.2810142	-0.5060910	-0.5189079	-0.5211468
##	HGLZE.L.PET	SZLGE.L.PET	SHZGE.L.PET	LZLGE.L.PET
## 1	-0.2984560	-0.17106728	-0.2942719	-0.15397307
##	LZHGE.L.PET	GLNU_area.L.PET		
## 1	-0.18606625	-0.5527994		

## 2	-0.3730995	-0.09242262	-0.3163762	-0.18984205	-0.54236685	-0.5773325
## 3	0.2138548	-0.44960709	0.2507497	-0.67073190	-0.04279253	-0.5580437
## 4	-0.8741513	-0.39730122	-0.8709436	-0.29205659	-0.65872610	0.7972658
## 5	-1.1420153	0.44865547	-1.0646965	-0.02980072	-1.18830026	-0.5331460
## 6	-0.2275594	-0.43201249	-0.2525831	-0.40630438	-0.17656210	-0.5487210
##	ZSNU.L.PET	ZSP.L.PET	GLNU_norm.L.PET	ZSNU_norm.L.PET	GLVAR_area.L.PET	
## 1	-0.5530418	-0.5621738	-0.23689556	-0.6190040	-0.121204529	
## 2	-0.5984956	-0.4628174	-0.09957407	-0.4177144	0.000753596	
## 3	-0.5054842	-0.4019440	-0.31340711	-0.3386244	0.026274426	
## 4	0.7243773	-0.6566870	-0.11705626	-0.7292502	-1.045590634	
## 5	-0.5925559	-0.4268835	0.12451086	-0.3925193	-0.907213368	
## 6	-0.5364744	-0.5302461	-0.25610439	-0.5629950	-0.293935425	
##	ZSVAR.L.PET	Entropy_area.L.PET	Max_cooc.H.PET	Average_cooc.H.PET		
## 1	-0.2226564	-0.5000553	-0.5622647	-0.62173115		
## 2	-0.4137605	-0.6362274	-0.4644195	-0.65760120		
## 3	-0.8362779	-0.5442329	0.5340130	-0.34277170		
## 4	0.4721232	-0.4937376	-0.4910382	-0.71683325		
## 5	-0.7751321	-0.7925323	2.5493588	-0.09109055		
## 6	-0.3715063	-0.5139189	0.9182000	-0.26774039		
##	Variance_cooc.H.PET	Entropy_cooc.H.PET	DAVE_cooc.H.PET	DVAR_cooc.H.PET		
## 1	-0.3926613	-0.4405901	-0.4245348	-0.5066538		
## 2	-0.3614375	-0.1978581	-0.2002922	-0.3071158		
## 3	-0.6153275	-1.2304855	-0.6542876	-0.3422576		
## 4	-0.2257862	-0.4815188	-0.5565737	-0.5352219		
## 5	-1.8853813	-1.4739615	-1.4624814	-1.5091037		
## 6	-1.0272260	-1.3894649	-0.9100846	-0.4729899		
##	DENT_cooc.H.PET	SAVE_cooc.H.PET	SVAR_cooc.H.PET	SENT_cooc.H.PET		
## 1	0.08192889	-0.57021320	-0.21121323	0.07030056		
## 2	-0.83264259	-0.69322153	-0.51771839	0.21849474		
## 3	-0.01496272	-0.28179187	-0.04897359	-0.73909827		
## 4	-0.06855070	-0.66854100	-0.06049054	0.03408701		
## 5	-0.27142899	-0.02157412	-0.22370520	-0.99227968		
## 6	-1.36710074	-0.20421566	-1.12758322	-0.90558682		
##	ASM_cooc.H.PET	Contrast_cooc.H.PET	Dissemblarity_cooc.H.PET			
## 1	-0.4257044	-0.4150674	-0.4245348			
## 2	-0.4923348	-0.1059010	-0.2002922			
## 3	0.5293038	-0.5606912	-0.6542876			
## 4	-0.3939640	-0.5503855	-0.5565737			
## 5	2.2056453	-1.5501224	-1.4624814			
## 6	1.1479491	-0.8152598	-0.9100846			
##	Inv_diff_cooc.H.PET	Inv_diff_norm_cooc.H.PET	IDM_cooc.H.PET			
## 1	-0.6699941	-0.5752921	-0.6523898			
## 2	-0.8857913	-0.6152984	-0.8819195			
## 3	0.3565728	-0.5209539	0.5268363			
## 4	-0.4667711	-0.5490693	-0.4271592			
## 5	1.0615198	-0.3715120	1.2525912			
## 6	0.7501870	-0.4686586	0.9497298			
##	IDM_norm_cooc.H.PET	Inv_var_cooc.H.PET	Correlation_cooc.H.PET			
## 1	-0.5628068	0.1245932	-0.2531664			
## 2	-0.5876552	0.1626292	-0.7097902			
## 3	-0.5524530	-0.4195061	-0.3204338			
## 4	-0.5507795	0.1827693	0.1572312			
## 5	-0.4665595	-0.1515276	-0.8038649			
## 6	-0.5320201	-0.4759560	-0.5377799			

##	Autocorrelation_cooc.H.PET Tendency_cooc.H.PET Shade_cooc.H.PET					
## 1	-0.63574265	-0.34548858	0.56115327			
## 2	-0.72995330	-0.46719366	-0.03213742			
## 3	-0.12798663	-0.58987505	-0.06440384			
## 4	-0.75877292	-0.03028623	-0.39054358			
## 5	0.31634762	-1.89802896	1.54978365			
## 6	-0.01075648	-1.04995447	0.53842843			
##	Prominence_cooc.H.PET IC1_d.H.PET IC2_d.H.PET Coarseness_vdif.H.PET					
## 1	-0.2771646	0.45844723	-0.34880559	0.09720863		
## 2	-0.3832531	0.84097312	-0.70922702	0.12838981		
## 3	-0.7224845	0.08064715	-0.49617333	0.06302159		
## 4	0.3271375	-0.02579697	0.03019033	0.04310330		
## 5	-1.7264583	0.44273864	-0.93060958	0.08210694		
## 6	-1.2412690	0.22017194	-0.70937241	0.05664774		
##	Contrast_vdif.H.PET Busyness_vdif.H.PET Complexity_vdif.H.PET					
## 1	-0.4274453	-0.3638887	-0.10931813			
## 2	-0.5671546	-0.3703971	0.06155045			
## 3	0.7225133	-0.3477636	-0.19946129			
## 4	-0.4836185	-0.2468294	-0.23521590			
## 5	-0.5418056	-0.3667598	-0.72923006			
## 6	1.0600966	-0.3404997	-0.27546607			
##	Strength_vdif.H.PET SRE_align.H.PET LRE_align.H.PET RLNU_align.H.PET					
## 1	-0.13025494	-0.4307026	-0.7195651	-0.4971654		
## 2	-0.09260654	-0.3447791	-0.9067290	-0.5420981		
## 3	-0.11406009	-0.7812458	0.3824637	-0.5852595		
## 4	-0.23919622	-0.5220265	-0.4651246	0.7194380		
## 5	0.08722946	-0.8618153	0.6020573	-0.6316801		
## 6	-0.11599525	-0.9130679	1.0286387	-0.6029308		
##	RP_align.H.PET LGRE_align.H.PET HGRE_align.H.PET LGSRE_align.H.PET					
## 1	-0.4065909	0.06392089	-0.698132947	0.06778299		
## 2	-0.2896583	0.06421447	-0.740884690	0.06870144		
## 3	-0.8520852	0.03404939	-0.378161662	0.03611506		
## 4	-0.5294515	0.10054467	-0.674598529	0.09794468		
## 5	-0.9156443	0.01379255	0.456615365	0.01822378		
## 6	-0.9873040	0.02311363	-0.008001338	0.02524069		
##	HGSRE_align.H.PET LGHRE_align.H.PET HGLRE_align.H.PET GLNU_norm_align.H.PET					
## 1	-0.59041968	0.037835342	-0.6802823	-0.5712362		
## 2	-0.53088745	0.033125985	-0.8573161	-0.7030578		
## 3	-0.76247426	0.027942041	0.6873551	0.5316701		
## 4	-0.65688536	0.117419836	-0.4979682	-0.6317852		
## 5	0.09512599	-0.005644076	1.0274090	1.5299799		
## 6	-0.48738896	0.028964227	1.2343204	0.9385123		
##	RLNU_norm_align.H.PET GLVAR_align.H.PET RLVAR_align.H.PET Entropy_align.H.PET					
## 1	-0.3120397	-0.3721453	-0.5834915	-0.4736414		
## 2	-0.1079673	-0.4355544	-0.8037182	-0.3905964		
## 3	-0.9704621	-0.6625075	0.7441584	-0.8867673		
## 4	-0.5049737	-0.1576847	-0.2617379	-0.2985495		
## 5	-1.0850209	-1.8601022	0.9596641	-1.0911927		
## 6	-1.1496499	-0.9735944	1.4877490	-0.8924170		
##	SZSE.H.PET LZSE.H.PET LGLZE.H.PET HGLZE.H.PET SZLGE.H.PET SZHGE.H.PET					
## 1	-0.34821000	-0.20713789	0.054010198	-0.2901933	0.06374556	-3.657487e-01
## 2	0.08296996	-0.21972745	0.057224946	-0.7831293	0.07546816	-9.234150e-02
## 3	-0.85184571	-0.11558937	0.031689625	-0.3822321	0.04154588	-9.771746e-01
## 4	-0.46659449	-0.14463396	0.093281256	0.5268357	0.08796006	-5.579603e-01


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## 5 -0.98364474 0.01824329 0.007396366 0.7261377 0.02594017 -2.874186e-05
## 6 -0.98401691 0.20956309 0.019378605 -0.1268240 0.03231433 -7.223679e-01
## LZLGE.H.PET LZHGE.H.PET GLNU_area.H.PET ZSNU.H.PET ZSP.H.PET
## 1 -0.2540270 -0.233853915 -0.5444686 -0.4601965 -0.2248134
## 2 -0.2869748 -0.243886393 -0.5796658 -0.3824687 0.5127672
## 3 -0.2005686 -0.095484736 -0.4288636 -0.5618607 -0.9285878
## 4 -0.0380075 -0.186879336 0.5390657 0.1940260 -0.6128852
## 5 -0.1199001 0.006637164 -0.5810817 -0.5874970 -1.1161831
## 6 0.1643966 0.194571350 -0.5459613 -0.5864810 -1.2948336
## GLNU_norm.H.PET ZSNU_norm.H.PET GLVAR_area.H.PET ZSVAR_H.PET
## 1 -0.5806037 -0.3162951 -0.4224700 -0.22265827
## 2 -0.6979911 0.5518249 -0.4601605 -0.23141569
## 3 0.7417602 -1.0206540 -0.7321688 -0.14238329
## 4 -0.6306111 -0.5107478 -0.1013358 -0.15967750
## 5 0.8761277 -1.1255136 -1.7481942 -0.01198442
## 6 1.0030056 -1.1804675 -0.8220885 0.15839447
## Entropy_area.H.PET Max_cooc.W.PET Average_cooc.W.PET Variance_cooc.W.PET
## 1 -0.4736178 -0.3461950 -0.31008562 -0.2564173
## 2 -0.6802143 -0.3036564 0.02683964 0.4493676
## 3 -0.7186979 0.2207037 -1.03175940 -0.8969181
## 4 -0.2259535 -0.3351671 -0.24731569 -0.3130037
## 5 -0.7802805 1.4412203 -1.25206094 -0.9213654
## 6 -0.7566641 0.5149649 -1.16802267 -0.9303583
## Entropy_cooc.W.PET DAVE_cooc.W.PET DVAR_cooc.W.PET DENT_cooc.W.PET
## 1 -0.3380333 -0.2540337 -0.3193107 -0.342943902
## 2 -0.1736199 0.5364988 0.6942880 0.002238598
## 3 -1.0345685 -1.1339433 -0.9433432 -1.093835590
## 4 -0.3440762 -0.4552820 -0.4197731 -0.444514652
## 5 -1.2576617 -1.2034308 -0.9378081 -1.135682315
## 6 -1.1793425 -1.2258890 -0.9628533 -1.208596176
## SAVE_cooc.W.PET SVAR_cooc.W.PET SENT_cooc.W.PET ASM_cooc.W.PET
## 1 -0.31038212 -0.2282020 -0.3159465 -0.2006869
## 2 0.02661683 0.3098894 -0.1467601 -0.2333697
## 3 -1.03221397 -0.8431674 -0.9419763 0.3324825
## 4 -0.24759852 -0.2424063 -0.3128799 -0.1888046
## 5 -1.25256366 -0.8712021 -1.1559564 1.2294011
## 6 -1.16850700 -0.8775841 -1.0917096 0.6973497
## Contrast_cooc.W.PET Dissimilarity_cooc.W.PET Inv_diff_cooc.W.PET
## 1 -0.3075340 -0.2540337 -0.6374300
## 2 0.7742948 0.5364988 -0.9304053
## 3 -0.9576910 -1.1339433 0.2901524
## 4 -0.4700373 -0.4552820 -0.4626158
## 5 -0.9705620 -1.2034308 0.5487330
## 6 -0.9855880 -1.2258890 0.5258770
## Inv_diff_norm_cooc.W.PET IDM_cooc.W.PET IDM_norm_cooc.W.PET
## 1 -0.5764903 -0.6315742 -0.5654455
## 2 -0.6353259 -0.9114075 -0.6095647
## 3 -0.5694748 0.5091234 -0.5606607
## 4 -0.4639086 -0.4247365 -0.5072004
## 5 -0.5218385 0.8605536 -0.5446135
## 6 -0.5432064 0.8382954 -0.5500768
## Inv_var_cooc.W.PET Correlation_cooc.W.PET Autocorrelation_cooc.W.PET
## 1 -0.5757397 -0.2399351 -0.32079144
## 2 -0.9126200 -0.8269017 0.03559253

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## 3	0.5282510	-0.2251579	-0.85647530
## 4	-0.3646175	0.1173220	-0.25478504
## 5	0.6301697	-0.6005036	-0.93362150
## 6	0.7959910	-0.4364399	-0.90992639
##	Tendency_cooc.W.PET	Shade_cooc.W.PET	Prominence_cooc.W.PET
## 1	-0.2282020	-0.19389610	-0.24361420
## 2	0.3098894	-0.07709063	-0.06025639
## 3	-0.8431674	-0.38075702	-0.33892430
## 4	-0.2424063	-0.12206509	-0.20994984
## 5	-0.8712021	-0.36726449	-0.33872045
## 6	-0.8775841	-0.37810446	-0.33964929
##	IC1_d.W.PET	Coarseness_vdif.W.PET	Contrast_vdif.W.PET
## 1	-0.4267892	-0.0550313004	-0.1846450
## 2	-0.3295264	-0.0353358511	0.9808822
## 3	-0.5747430	0.0153602863	-0.8804405
## 4	-0.1890252	-0.3110467938	-0.8000340
## 5	-1.0350664	0.0257529944	-1.0090603
## 6	-0.7867358	0.0007597987	-1.0067613
##	Complexity_vdif.W.PET	Strength_vdif.W.PET	SRE_align.W.PET
## 1	-0.39496588	-0.1487983	-0.4965600
## 2	0.08320976	0.4339190	-0.4598340
## 3	-0.66954127	-0.5979340	-0.6654328
## 4	-0.23711930	-0.4828870	-0.5398142
## 5	-0.66792434	-0.5191096	-0.6972780
## 6	-0.67367185	-0.6067205	-0.7279147
##	RLNU_align.W.PET	RP_align.W.PET	LGRE_align.W.PET
## 1	-0.6559981	-0.5172076	-0.4802142
## 2	-0.7533293	-0.5729297	-0.4299235
## 3	-0.3788126	-0.5646645	-0.7036969
## 4	0.8307024	0.7825295	-0.5386015
## 5	-0.3210012	-0.6191293	-0.7329976
## 6	-0.2465460	-0.5756284	-0.7771379
##	HGRE_align.W.PET	LGSRE_align.W.PET	HGSRE_align.W.PET
## 1	-0.34486770	-0.3723193	-0.33818074
## 2	0.06469248	-0.5229899	0.08716306
## 3	-0.87260946	0.3282319	-0.87478027
## 4	-0.22356683	-0.7627312	-0.23166000
## 5	-0.93382896	1.4011158	-0.92610182
## 6	-0.91329204	0.6876126	-0.91131785
##	HGLRE_align.W.PET	GLNU_norm_align.W.PET	RLNU_norm_align.W.PET
## 1	-0.37252766	-0.5138900	-0.4173834
## 2	-0.02056866	-0.6106199	-0.3241975
## 3	-0.85434001	0.4207051	-0.7968581
## 4	-0.18712885	-0.5748071	-0.5214981
## 5	-0.96930814	1.5193572	-0.8584130
## 6	-0.91848578	0.8671484	-0.9133916
##	GLVAR_align.W.PET	RLVAR_align.W.PET	Entropy_align.W.PET
## 1	-0.2669606	-0.5628902	-0.4498174
## 2	0.3757256	-0.7613964	-0.3576058
## 3	-0.8976031	0.6493112	-0.9123703
## 4	-0.2715007	-0.2778154	-0.3176612
## 5	-0.9318581	0.7263114	-1.1552447
## 6	-0.9287314	1.1021073	-0.9927288
##	LZSE.W.PET	LGLZE.W.PET	HGLZE.W.PET
##	SZLGE.W.PET	SZHGE.W.PET	LZLGE.W.PET

## 1	-0.46022593	-0.4680080	-0.33029582	-0.4203553	-0.3108175	-0.2805442
## 2	-0.54971957	-0.5314592	0.04470571	-0.3837420	0.0993072	-0.3230801
## 3	0.03171704	0.6608786	-0.88997048	0.7774380	-0.8762190	-0.1395594
## 4	-0.28978468	-0.7610457	-0.19725000	-0.7649478	-0.2307742	-0.3033265
## 5	0.08014995	1.4982016	-0.93506566	1.1046276	-0.9059600	0.3616331
## 6	0.87001336	0.8734152	-0.92196939	0.8204223	-0.9076839	0.7265043
##	LZHGE.W.PET	GLNU_area.W.PET	ZSNU.W.PET	ZSP.W.PET	GLNU_norm.W.PET	
## 1	-0.52340377	-0.6041965	-0.4721573	-0.30839336	-0.5218836	
## 2	-0.39643071	-0.6842908	-0.4825369	-0.02030225	-0.6162192	
## 3	-0.71605820	-0.3854504	-0.5551402	-0.83267422	0.5443641	
## 4	0.08085406	0.7306191	0.4949157	-0.54623479	-0.5823999	
## 5	-1.09354081	-0.4252048	-0.6000846	-0.93920220	1.3583335	
## 6	-0.76011879	-0.4022340	-0.5913780	-1.18035989	0.9434539	
##	ZSNU_norm.W.PET	GLVAR_area.W.PET	ZSVAR.W.PET	Entropy_area.W.PET	Min_hist.ADC	
## 1	-0.3200057	-0.2766605	-0.38203018	-0.5014727	0.4113126	
## 2	0.1255877	0.3303703	-0.43457258	-0.5477755	-0.8657505	
## 3	-0.8898751	-0.8956246	0.03827969	-0.8589846	0.6090364	
## 4	-0.5494782	-0.2378244	-0.23636331	-0.2711087	-0.8657505	
## 5	-1.0798617	-0.9244211	0.02117985	-0.9273561	-0.8657505	
## 6	-1.1754135	-0.9261313	0.79391402	-0.7747854	-0.8657505	
##	Max_hist.ADC	Mean_hist.ADC	Variance_hist.ADC	Standard_Deviation_hist.ADC		
## 1	-0.54142188	-0.3871858	0.03649101	-0.13239011		
## 2	-0.59178935	-0.5187498	-0.35175571	-0.42773754		
## 3	-0.01830709	-0.3635494	1.08498263	0.51133519		
## 4	-0.01035433	-0.4584202	0.28753584	0.03833017		
## 5	-0.43450146	-0.7453425	-0.00565879	-0.16242576		
## 6	-0.33818472	-0.2100562	2.18699161	1.05521496		
##	Skewness_hist.ADC	Kurtosis_hist.ADC	Energy_hist.ADC	Entropy_hist.ADC		
## 1	0.7601872	-0.3645347	0.17139759	-0.8808510		
## 2	-1.3132101	0.3555531	0.08084621	-0.6160912		
## 3	1.4014854	0.8837421	0.05339560	-0.4708601		
## 4	-0.3335022	-0.4827438	0.03164901	-0.3251680		
## 5	-0.2284111	-0.2927585	0.06337764	-0.5427299		
## 6	-0.9234665	-1.3820906	0.04876108	-0.4722479		
##	AUC_hist.ADC	Volume.ADC	X3D_surface.ADC	ratio_3ds_vol.ADC		
## 1	-0.5517312	-0.77171573	-0.83357781	0.40738565		
## 2	-0.6811442	-0.83529619	-0.72636952	-0.20351364		
## 3	-0.3709215	-0.51840678	-0.56229596	-0.51516250		
## 4	-0.5582428	0.05016931	-0.07719641	-0.52782472		
## 5	-0.6274542	-0.48828960	-0.55940723	-0.47939174		
## 6	-0.6852396	-0.73987664	-0.52085076	-0.05784537		
##	ratio_3ds_vol_norm.ADC	irregularity.ADC	Compactness_v1.ADC	Compactness_v2.ADC		
## 1	-0.5102350	-0.3109450	-0.159269319	-0.56541295		
## 2	-0.7309093	-0.5307282	-0.015731983	0.01693002		
## 3	-0.7887529	-0.7548838	0.029338740	0.21805452		
## 4	-0.3401354	-0.6841516	-0.247114169	-0.87441235		
## 5	-0.7465117	-0.7114444	-0.003961922	0.06881245		
## 6	-0.2591402	-0.5710146	-0.283572652	-0.99205523		
##	Spherical_disproportion.ADC	Sphericity.ADC	Asphericity.ADC	Center_of_mass.ADC		
## 1	-0.5102350	-0.5761452	-0.32810533	-0.1599647		
## 2	-0.7309093	-0.3377117	-0.79595554	-0.1345429		
## 3	-0.7887529	-0.2658503	-0.91858954	0.3122768		
## 4	-0.3401354	-0.7287679	0.03252177	0.1652700		
## 5	-0.7465117	-0.3187759	-0.82903405	-0.5223026		

## 6	-0.2591402	-0.7938125	0.20423907	0.4204525
##	Max_3D_diam.ADC	Major_axis_length.ADC	Minor_axis_length.ADC	
## 1	-0.9223406	-0.6363554	-1.0694709	
## 2	-0.7388407	-0.9347200	-0.7650734	
## 3	-0.6298715	-0.7330537	-0.4762489	
## 4	-0.2750518	-0.2806023	-0.2509627	
## 5	-0.7007593	-0.8147554	-0.5239350	
## 6	-0.5900804	-0.4516336	-0.5552712	
##	Least_axis_length.ADC	Elongation.ADC	Flatness.ADC	Max_cooc.L.ADC
## 1	-1.04883852	-1.2658333	-1.2879681	0.171468447
## 2	-0.59483948	-0.2578859	0.0237260	-0.034142536
## 3	-0.49092760	-0.1144291	-0.1805273	0.040404448
## 4	-0.07836234	-0.4660035	-0.2184426	0.008852003
## 5	-0.25589410	-0.0340415	0.4388721	-0.001549901
## 6	-0.67678823	-0.6741211	-0.8646448	-0.110769901
##	Average_cooc.L.ADC	Variance_cooc.L.ADC	Entropy_cooc.L.ADC	DAVE_cooc.L.ADC
## 1	-0.72089326	0.5592857	-0.6503058	0.10801881
## 2	-0.04429305	-0.7145134	-0.6089983	-0.58519579
## 3	-1.19070915	0.9512078	-0.5126260	-0.21463352
## 4	-0.58873748	-0.7749119	-0.6127855	-0.86737881
## 5	-0.53186871	-0.6271330	-0.5521907	-0.48832913
## 6	-0.10171762	1.2476170	-0.3423719	0.05653072
##	DVAR_cooc.L.ADC	DENT_cooc.L.ADC	SAVE_cooc.L.ADC	SVAR_cooc.L.ADC
## 1	1.3404697	-0.3378751	-0.7211984	0.4168868
## 2	-0.6443482	-0.6023649	-0.0444083	-0.7316081
## 3	0.9153432	-0.4453804	-1.1911468	1.1761980
## 4	-0.9051946	-0.7262579	-0.5890055	-0.6872803
## 5	-0.5937073	-0.5615696	-0.5321207	-0.6497936
## 6	0.5625945	-0.3536147	-0.1018483	1.5473657
##	SENT_cooc.L.ADC	ASM_cooc.L.ADC	Contrast_cooc.L.ADC	Dissimilarity_cooc.L.ADC
## 1	-0.21422274	0.11178526	0.8024997	0.10801881
## 2	-1.15215699	0.07978965	-0.5875537	-0.58519579
## 3	0.07552317	0.08346730	0.3370790	-0.21463352
## 4	-0.18692032	0.08199624	-0.8708007	-0.86737881
## 5	-0.21904233	0.06728562	-0.4988646	-0.48832913
## 6	-0.82480441	0.03933543	0.4319138	0.05653072
##	Inv_diff_cooc.L.ADC	Inv_diff_norm_cooc.L.ADC	IDM_cooc.L.ADC	
## 1	-0.5144491	-0.6074400	-0.4025260	
## 2	-0.4760492	-0.5436049	-0.4563809	
## 3	-0.4172269	-0.5736895	-0.3203856	
## 4	-0.2068187	-0.5106365	-0.1014070	
## 5	-0.5230063	-0.5549202	-0.5010570	
## 6	-0.7006237	-0.6088330	-0.6849128	
##	IDM_norm_cooc.L.ADC	Inv_var_cooc.L.ADC	Correlation_cooc.L.ADC	
## 1	-0.5963440	-0.4473741	-0.70471165	
## 2	-0.5504203	-0.4239707	-0.51812159	
## 3	-0.5792879	-0.3081512	0.09412942	
## 4	-0.5395436	-0.1032327	0.06038360	
## 5	-0.5542055	-0.4796230	-0.52975022	
## 6	-0.5864250	-0.6883192	0.18917254	
##	Autocorrelation_.L.ADC	Tendency_cooc.L.ADC	Shade_.L.ADC	Prominence_cooc.L.ADC
## 1	-0.6998238	0.4168868	1.5643914	0.9559151
## 2	0.2354008	-0.7316081	-0.8436388	-0.6151097
## 3	-1.1120988	1.1761980	4.1522294	3.9832025

## 4	-0.5602964	-0.6872803	-0.3582556	-0.7096757		
## 5	-0.4952326	-0.6497936	-0.3648893	-0.6136209		
## 6	0.2695015	1.5473657	-1.0298872	1.2401564		
##	IC1_.L.ADC	IC2_.L.ADC	Coarseness_vdif_.L.ADC	Contrast_vdif_.L.ADC		
## 1	-0.6883999	0.02448574	0.301907443	0.6409048		
## 2	0.5967581	-0.55782502	0.056613103	-0.4518571		
## 3	0.1773429	-0.27185532	-0.075963314	-0.0702796		
## 4	0.3808910	-0.41652989	-0.139734248	-0.6427148		
## 5	0.6439494	-0.57515917	0.008225508	-0.3561751		
## 6	-0.1924172	-0.05807723	-0.003801467	0.3844799		
##	Busyness_vdif_.L.ADC	Complexity_vdif_.L.ADC	Strength_vdif_.L.ADC			
## 1	-0.6365437	0.2240702	1.08878436			
## 2	-0.6250681	-0.8182427	-0.05349273			
## 3	-0.1905094	0.5372433	0.06221020			
## 4	-0.2282567	-0.9070155	-0.48069605			
## 5	-0.5381510	-0.6730924	-0.20159009			
## 6	-0.5798298	0.2904589	-0.09788725			
##	SRE_align.L.ADC	LRE_align.L.ADC	GLNU_align.L.ADC	RLNU_align.L.ADC		
## 1	-0.5432046	-0.6178635	-0.6261970	-0.6678444		
## 2	-0.5458232	-0.6137933	-0.5441134	-0.5747492		
## 3	-0.5607702	-0.5566774	-0.4608465	-0.4549755		
## 4	-0.5791469	-0.4858621	-0.1783430	-0.1430350		
## 5	-0.5426021	-0.6154515	-0.5346359	-0.5426892		
## 6	-0.5308298	-0.6668765	-0.5690912	-0.5195656		
##	RP_align.L.ADC	LGRE_align.L.ADC	HGRE_align.L.ADC	LGSRE_align.L.ADC		
## 1	-0.5353171	6.109942e-02	-0.54292539	0.067623844		
## 2	-0.5400544	-3.801424e-02	0.06789313	-0.030420066		
## 3	-0.5598945	2.092792e-01	-1.12656204	0.206135542		
## 4	-0.5840029	2.904285e-02	-0.62025951	0.029459100		
## 5	-0.5370995	-6.973871e-05	-0.53892281	0.007086664		
## 6	-0.5193700	-4.259375e-02	0.35906171	-0.035355162		
##	HGSRE_align.L.ADC	LGHRE_align.L.ADC	HGLRE_align.L.ADC	GLNU_norm_align.L.ADC		
## 1	-0.52408648	0.02829577	-0.6071760	-0.1203279		
## 2	0.06957377	-0.07624384	0.0513619	-0.1128336		
## 3	-1.12804770	0.21305610	-1.1064162	-0.2225712		
## 4	-0.63542049	0.03082241	-0.5596155	-0.1730555		
## 5	-0.53418758	-0.03644930	-0.5476899	-0.2306008		
## 6	0.38423936	-0.07877047	0.2569200	-0.5276951		
##	RLNU_norm_align.L.ADC	GLVAR_align.L.ADC	RLVAR_align.L.ADC	Entropy_align.L.ADC		
## 1	-0.5125345	0.6524756	-0.44582763	-0.5883206		
## 2	-0.5226589	-0.6881227	-0.43730678	-0.6382575		
## 3	-0.5600825	0.6739622	-0.24658490	-0.5106176		
## 4	-0.6053373	-0.7581559	-0.01198974	-0.5812684		
## 5	-0.5127052	-0.5532662	-0.41790827	-0.5837223		
## 6	-0.4824053	0.9801508	-0.61298122	-0.3955007		
##	SZSE.L.ADC	LZSE.L.ADC	LGLZE.L.ADC	HGLZE.L.ADC	SZLGE.L.ADC	SZHGE.L.ADC
## 1	-0.5014454	-0.7450547	0.07253492	-0.52116543	0.087641058	-0.4531762
## 2	-0.5322334	-0.6801099	-0.02713914	0.03776169	-0.008292571	0.0300991
## 3	-0.6485655	-0.2386096	0.20773636	-1.11061311	0.182242275	-1.1424450
## 4	-0.5869649	-0.4695587	0.01990175	-0.63424587	0.014691528	-0.6650952
## 5	-0.5609116	-0.5131342	0.01661218	-0.56442366	0.033678392	-0.5884310
## 6	-0.5031381	-0.7854992	-0.03306038	0.31736403	-0.014621525	0.3350138
##	LZLGE.L.ADC	LZHGE.L.ADC	GLNU_area.L.ADC	ZSNU.L.ADC	ZSP.L.ADC	
## 1	-0.069331476	-0.722525947	-0.6384152	-0.6668395	-0.4462596	

## 2	-0.173528216	-0.081345974	-0.5460429	-0.5690748	-0.4875722
## 3	0.296453924	-0.948870970	-0.4826914	-0.4871185	-0.6694902
## 4	0.001412627	-0.518685568	-0.1566395	-0.1301000	-0.5806975
## 5	-0.124720269	-0.445679435	-0.5424265	-0.5463444	-0.5542942
## 6	-0.178463851	0.008986928	-0.5719915	-0.5041938	-0.4347400
##	GLNU_norm.L.ADC	ZSNU_norm.L.ADC	GLVAR_area.L.ADC	ZSVAR.L.ADC	
## 1	-0.1479371	-0.4206376	0.6575768	-0.6125949	
## 2	-0.0875094	-0.4944409	-0.6983670	-0.5654684	
## 3	-0.2477384	-0.7518699	0.6482625	-0.0599094	
## 4	-0.1514916	-0.6179428	-0.7672453	-0.3265400	
## 5	-0.2193018	-0.5559436	-0.5238385	-0.3514997	
## 6	-0.5039407	-0.4273670	0.9330886	-0.6811584	
##	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	
##	Entropy_cooc.H.ADC	DAVE_cooc.H.ADC	DVAR_cooc.H.ADC	DENT_cooc.H.ADC	
## 1	-0.5135162	-0.4035709	-0.3457743	-0.5427089	
## 2	-0.5879123	-0.4490907	-0.5347957	-0.5544867	
## 3	-0.5521140	-0.6742298	-0.5346473	-0.6002605	
## 4	-0.5364986	-0.8378865	-0.9205151	-0.6518222	
## 5	-0.5449454	-0.4736239	-0.4721307	-0.5533171	
## 6	-0.5896604	-0.8362281	-0.7161951	-0.6504806	
##	SAVE_cooc.H.ADC	SVAR_cooc.H.ADC	SENT_cooc.H.ADC	ASM_cooc.H.ADC	
## 1	-0.6645724	-0.7020362	-0.4477105	0.1131243	
## 2	-0.3987956	-0.6241406	-0.8491975	0.1057101	
## 3	-0.6192882	-0.2874587	-0.4815200	0.1071929	
## 4	-0.6066727	-0.3859861	-0.5326087	0.1049686	
## 5	-0.5694384	-0.6923536	-0.6034431	0.1053393	
## 6	-0.6234836	-0.2260366	-0.6221580	0.1086758	
##	Contrast_cooc.H.ADC	Dissimilarity_cooc.H.ADC	Inv_diff_cooc.H.ADC		
## 1	-0.2927716		-0.4035709	-0.5126398	
## 2	-0.4138414		-0.4490907	-0.5808371	
## 3	-0.6417886		-0.6742298	-0.2457501	
## 4	-0.9390283		-0.8378865	-0.2186128	
## 5	-0.4160171		-0.4736239	-0.4714618	
## 6	-0.8597653		-0.8362281	-0.1572588	
##	Inv_diff_norm_cooc.H.ADC	IDM_cooc.H.ADC	IDM_norm_cooc.H.ADC		
## 1	-0.5783293	-0.40456384	-0.5739996		
## 2	-0.5733662	-0.54895368	-0.5659544		
## 3	-0.5284852	-0.08509688	-0.5433796		
## 4	-0.5034298	-0.08864455	-0.5199402		
## 5	-0.5669623	-0.37192535	-0.5650898		
## 6	-0.4994273	-0.01644963	-0.5240950		
##	Inv_var_cooc.H.ADC	Correlation_cooc.H.ADC	Autocorrelation_cooc.H.ADC		
## 1	-0.3372000	-0.63608177	-0.7706165		
## 2	-0.5233714	-0.47456466	-0.2722283		
## 3	-0.1120096	-0.05904703	-0.5731530		
## 4	-0.1261824	0.15083503	-0.5416515		
## 5	-0.3945912	-0.52544743	-0.5940408		
## 6	-0.0437701	0.16376241	-0.5453615		

##	Tendency_cooc.H.ADC	Shade_cooc.H.ADC	Prominence_cooc.H.ADC	IC1_d.H.ADC		
## 1	-0.7020362	0.46889817	-0.74536242	-0.86166650		
## 2	-0.6241406	-1.70131741	-0.65856794	0.39133994		
## 3	-0.2874587	1.06718493	-0.06008993	0.32513388		
## 4	-0.3859861	-0.05494861	-0.37044251	0.47315352		
## 5	-0.6923536	-0.73786494	-0.72042827	0.41273734		
## 6	-0.2260366	-0.59074557	-0.18983207	-0.06392116		
##	IC2_d.H.ADC	Coarseness_vdif.H.ADC	Contrast_vdif.H.ADC	Busyness_vdif.H.ADC		
## 1	0.1157107	0.432890709	-0.3950162	-0.6536208		
## 2	-0.4319173	0.039522006	-0.4548965	-0.5597792		
## 3	-0.3774947	-0.040985354	-0.8123096	-0.4779572		
## 4	-0.5048832	-0.118627683	-0.9057013	-0.2214241		
## 5	-0.4502685	-0.003453453	-0.4205023	-0.5253460		
## 6	-0.1380789	0.024050841	-0.8595558	-0.5485642		
##	Complexity_vdif.H.ADC	Strength_vdif.H.ADC	SRE_align.H.ADC	LRE_align.H.ADC		
## 1	-0.3862680	0.6749416	-0.5481444	-0.6114778		
## 2	-0.4645300	-0.1073982	-0.5503490	-0.6055486		
## 3	-0.8080180	-0.2687408	-0.5658265	-0.5257023		
## 4	-0.9119357	-0.4237682	-0.5698948	-0.5249950		
## 5	-0.4395621	-0.1935487	-0.5570991	-0.5768597		
## 6	-0.8775011	-0.1408891	-0.5622128	-0.5591346		
##	GLNU_align.H.ADC	RLNU_align.H.ADC	RP_align.H.ADC	LGRE_align.H.ADC		
## 1	-0.6633318	-0.6673924	-0.5430933	-0.05398431		
## 2	-0.5756171	-0.5768691	-0.5458591	-0.06489495		
## 3	-0.4595511	-0.4614202	-0.5695632	-0.04650273		
## 4	-0.1470269	-0.1457125	-0.5725348	-0.08952181		
## 5	-0.5471152	-0.5488348	-0.5553682	-0.08016984		
## 6	-0.5305406	-0.5323010	-0.5613571	-0.08110504		
##	HGRE_align.H.ADC	LGSRE_align.H.ADC	HGSRE_align.H.ADC	LGHRE_align.H.ADC		
## 1	-0.5745603	-0.03280154	-0.5618821	-0.18267144		
## 2	-0.5854319	-0.04755818	-0.5775831	-0.17825372		
## 3	-0.6087517	-0.02903388	-0.6283839	-0.15292546		
## 4	-0.5810819	-0.09402591	-0.5874477	-0.05779723		
## 5	-0.5828703	-0.06985013	-0.5794468	-0.15204192		
## 6	-0.5771240	-0.08178103	-0.5736937	-0.08695418		
##	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			
##	GLVAR_align.H.ADC	RLVAR_align.H.ADC	Entropy_align.H.ADC	SZSE.H.ADC	LZSE.H.ADC	
## 1	-0.5708740	-0.36484507	-0.6043268	-0.5346854	-0.6981364	
## 2	-0.5719358	-0.34004504	-0.5926918	-0.5422640	-0.6958561	
## 3	-0.5977942	0.12336936	-0.5713589	-0.6095598	0.1545871	
## 4	-0.5819026	0.05502511	-0.5597051	-0.5735377	-0.5155250	
## 5	-0.5722561	-0.19845421	-0.5843242	-0.5572108	-0.5454259	
## 6	-0.5843167	-0.12722623	-0.5780064	-0.5901219	-0.4498940	
##	LGLZE.H.ADC	HGLZE.H.ADC	SZLGE.H.ADC	SZHGE.H.ADC	LZLGE.H.ADC	LZHGE.H.ADC
## 1	0.0666177435	-0.5767674	0.155938519	-0.5473062	-0.5353574	-0.6768543
## 2	0.0001856309	-0.5725235	0.041762582	-0.5478138	-0.4547178	-0.7175082
## 3	-0.0501129685	-0.6777485	-0.064694419	-0.7376807	-0.1269569	0.9150997
## 4	-0.0861761153	-0.5757788	-0.097821522	-0.5824360	-0.2065126	-0.5488053

```

## 5 -0.0453678176 -0.6186968 0.006384122 -0.6369542 -0.2160507 -0.4799949
## 6 -0.1643129334 -0.5594243 -0.157321658 -0.5874992 0.2944499 -0.5599065
## GLNU_area.H.ADC ZSNU.H.ADC ZSP.H.ADC GLNU_norm.H.ADC ZSNU_norm.H.ADC
## 1 -0.6642705 -0.6725977 -0.5168683 -0.03152093 -0.4954016
## 2 -0.5751688 -0.5778406 -0.5216097 -0.04041668 -0.5166242
## 3 -0.4667660 -0.4846950 -0.6662111 -0.03316829 -0.6745847
## 4 -0.1441447 -0.1388711 -0.5778396 -0.04239351 -0.5900432
## 5 -0.5478389 -0.5519269 -0.5613757 -0.03876932 -0.5486951
## 6 -0.5333562 -0.5436026 -0.5982111 -0.03975773 -0.6317154
## GLVAR_area.H.ADC ZSVAR.H.ADC Entropy_area.H.ADC Max_cooc.W.ADC
## 1 -0.5622214 -0.64742792 -0.6439049 0.19349133
## 2 -0.5370231 -0.67651322 -0.6007301 0.08644844
## 3 -0.6936563 2.35951019 -0.5334676 0.08425643
## 4 -0.5806360 -0.24612217 -0.5508851 0.05722171
## 5 -0.5619809 -0.24897717 -0.5892300 0.07658442
## 6 -0.6210024 -0.09837599 -0.5535874 0.07220041
## Average_cooc.W.ADC Variance_cooc.W.ADC DAVE_cooc.W.ADC DVAR_cooc.W.ADC
## 1 -0.84300136 -0.0154161 -0.13255040 0.61946231
## 2 0.11675254 -0.3782130 -0.33716774 -0.33068080
## 3 -0.93506685 1.3339103 0.14095967 1.55899175
## 4 0.09734604 0.2202409 -0.17910738 -0.03977472
## 5 -0.19741735 -0.1038016 -0.04782845 -0.05742292
## 6 0.33324944 2.4174995 0.83171075 1.81350274
## DENT_cooc.W.ADC SAVE_cooc.W.ADC SVAR_cooc.W.ADC SENT_cooc.W.ADC
## 1 -0.4834815 -0.8470091 -0.1239002 -0.2297138
## 2 -0.5288387 0.1400958 -0.3998223 -1.1487708
## 3 -0.4091896 -0.9416984 1.3894965 0.1752058
## 4 -0.4771018 0.1201363 0.2845655 -0.0319484
## 5 -0.4533533 -0.1830273 -0.1595859 -0.1411365
## 6 -0.2720697 0.3627625 2.5166759 -0.7842625
## ASM_cooc.W.ADC Contrast_cooc.W.ADC Dissimilarity_cooc.W.ADC
## 1 0.12046668 0.33932322 -0.13255040
## 2 0.10453142 -0.27039311 -0.33716774
## 3 0.10267849 1.02076598 0.14095967
## 4 0.09897261 -0.01102572 -0.17910738
## 5 0.10193731 0.08810514 -0.04782845
## 6 0.09934320 1.85507756 0.83171075
## Inv_diff_cooc.W.ADC Inv_diff_norm_cooc.W.ADC IDM_cooc.W.ADC
## 1 -0.1553491 -0.6079427 -0.03349743
## 2 -0.4606680 -0.5438010 -0.49096209
## 3 -0.3883356 -0.5742573 -0.37454564
## 4 -0.4560997 -0.5109719 -0.44995630
## 5 -0.5316046 -0.5551029 -0.51956613
## 6 -0.7241103 -0.6098508 -0.69179048
## IDM_norm_cooc.W.ADC Inv_var_cooc.W.ADC Correlation_cooc.W.ADC
## 1 -0.5973520 -0.04727434 -0.70519175
## 2 -0.5502015 -0.51116122 -0.51902018
## 3 -0.5799243 -0.34876260 0.09406992
## 4 -0.5392978 -0.47829938 0.05818005
## 5 -0.5542619 -0.57573855 -0.52509677
## 6 -0.5872923 -0.70852330 0.19000410
## Autocorrelation_cooc.W.ADC Tendency_cooc.W.ADC Shade_cooc.W.ADC
## 1 -0.82825568 -0.1239002 0.748492311
## 2 0.40596504 -0.3998223 -0.849230344

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## 3	-0.81538896	1.3894965	5.445020127			
## 4	0.41742441	0.2845655	-0.006023108			
## 5	-0.06977856	-0.1595859	-0.210118336			
## 6	0.94845945	2.5166759	-1.349842393			
##	Prominence_cooc.W.ADC	IC1_d.W.ADC	IC2_d.W.ADC	Coarseness_vdif.W.ADC		
## 1	-0.11542708	-0.903263171	-0.1907350	0.27382766		
## 2	-0.35816223	0.001800882	-0.3183774	0.07761691		
## 3	3.59414354	-0.093125575	-0.2756556	-0.04800583		
## 4	0.08908301	0.541318048	-0.4760088	-0.10722798		
## 5	-0.22271379	-0.075272999	-0.2837085	0.02976063		
## 6	2.39969624	-1.208111301	-0.1245345	0.01689925		
##	Contrast_vdif.W.ADC	Busyness_vdif.W.ADC	Complexity_vdif.W.ADC			
## 1	2.05493666	-0.3772693	-0.6073412			
## 2	-0.14928773	-0.5719455	-0.4755028			
## 3	0.18526528	-0.1397398	0.4134439			
## 4	-0.40258421	-0.3596382	0.1805608			
## 5	0.00417449	-0.5038700	-0.2096065			
## 6	0.99857484	-0.5979023	0.7943650			
##	Strength_vdif.W.ADC	SRE_align.W.ADC	LRE_align.W.ADC	GLNU_align.W.ADC		
## 1	1.4669901	-0.5607394	-0.5636282	-0.6918875		
## 2	0.3446350	-0.5544960	-0.5851724	-0.6123816		
## 3	1.4197272	-0.5563057	-0.5759453	-0.5149668		
## 4	-0.3174056	-0.5581606	-0.5711293	-0.3228389		
## 5	0.3114865	-0.5550163	-0.5809744	-0.6154673		
## 6	1.3787764	-0.5492932	-0.6052889	-0.6590509		
##	RLNU_align.W.ADC	RP_align.W.ADC	LGRE_align.W.ADC	HGRE_align.W.ADC		
## 1	-0.6585680	-0.5598492	0.102514356	-0.72391839		
## 2	-0.5705684	-0.5523782	0.011942997	0.31043574		
## 3	-0.4530326	-0.5552168	0.016044342	-0.74102269		
## 4	-0.1392104	-0.5572378	0.066969370	0.48049736		
## 5	-0.5417353	-0.5534228	0.005790981	-0.02339079		
## 6	-0.5222697	-0.5454068	-0.003095266	1.12446188		
##	LGSRE_align.W.ADC	HGSRE_align.W.ADC	LGHRE_align.W.ADC	HGLRE_align.W.ADC		
## 1	0.10748791	-0.72254855	0.077168309	-0.72942321		
## 2	0.01660389	0.31244050	-0.012162463	0.30239721		
## 3	0.02037644	-0.73855319	-0.006809308	-0.74942271		
## 4	0.06598993	0.48251611	0.075830020	0.47104532		
## 5	0.01043064	-0.02076085	-0.018184762	-0.03187296		
## 6	0.00117076	1.13430855	-0.026883639	1.08473714		
##	GLNU_norm_align.W.ADC	RLNU_norm_align.W.ADC	GLVAR_align.W.ADC			
## 1	0.11990386	-0.5601024	0.0390388995			
## 2	-0.03442756	-0.5440640	-0.3518347261			
## 3	-0.08728526	-0.5487189	1.0925597603			
## 4	-0.16167757	-0.5538576	0.2872015907			
## 5	-0.11012500	-0.5451701	-0.0005432957			
## 6	-0.22269232	-0.5301456	2.1850902501			
##	RLVAR_align.W.ADC	Entropy_align.W.ADC	SZSE.W.ADC	LZSE.W.ADC	LGLZE.W.ADC	
## 1	-0.07189017	-0.4489178	-0.5288302	-0.6847176	0.113374483	
## 2	-0.16482743	-0.5433374	-0.5737026	-0.6013426	0.022597678	
## 3	-0.10788699	-0.5008749	-0.5217499	-0.4855176	0.026380045	
## 4	-0.09381551	-0.3577119	-0.5381157	-0.6310472	0.053200465	
## 5	-0.13472099	-0.4469533	-0.5472388	-0.5737353	0.016064499	
## 6	-0.26889098	-0.2581106	-0.5320105	-0.6652514	0.006780508	
##	HGLZE.W.ADC	SZLGE.W.ADC	SZHGE.W.ADC	LZLGE.W.ADC	LZHGE.W.ADC	GLNU_area.W.ADC

```
## 1 -0.71989596 0.12431381 -0.70418503 0.01531010 -0.78023810 -0.6914700
## 2 0.30739854 0.03294163 0.30621407 -0.06733775 0.29762888 -0.6100327
## 3 -0.74098507 0.03571049 -0.74294693 -0.05805147 -0.72852195 -0.5190294
## 4 0.47987855 0.04436315 0.49296111 0.07659951 0.42004184 -0.3130419
## 5 -0.03008663 0.02636560 -0.02934976 -0.07290951 -0.01111977 -0.6144844
## 6 1.11776106 0.01667461 1.13227954 -0.08157670 1.02554608 -0.6568667
## ZSNU.W.ADC ZSP.W.ADC GLNU_norm.W.ADC ZSNU_norm.W.ADC GLVAR_area.W.ADC
## 1 -0.6513787 -0.5068231 0.07698041 -0.4888097 0.040207659
## 2 -0.5660417 -0.5606797 -0.06244984 -0.5444800 -0.353463617
## 3 -0.4563908 -0.5221702 0.26861743 -0.5868989 1.070427270
## 4 -0.1207423 -0.5237049 -0.18723674 -0.5112910 0.284745010
## 5 -0.5366044 -0.5410354 0.27657578 -0.5328275 0.002215947
## 6 -0.5137505 -0.5128675 -0.24612851 -0.4964165 2.154394753
## ZSVAR.W.ADC Entropy_area.W.ADC
## 1 -0.70463402 -0.7414506
## 2 -0.42606449 -0.5771180
## 3 0.09854219 -0.4508095
## 4 -0.48028511 -0.4046157
## 5 -0.23584790 -0.4859857
## 6 -0.62125871 -0.3202609
```

```
df_final<- cbind(df['Failure.binary'], df_norm)
head(df_final)
```

```
## Failure.binary Failure Entropy_cooc.W.ADC GLNU_align.H.PET Min_hist.PET
## 1 0 1.1985789 0.55290547 -0.57063689 -0.4541408
## 2 1 -0.7212472 -0.06486729 -0.78903636 0.4998369
## 3 0 2.7926271 0.45990825 -0.06024275 -1.1504338
## 4 1 -0.4442487 1.14318298 2.67468822 -0.4446190
## 5 0 0.6898772 0.34499368 -0.06740573 -0.9887407
## 6 1 -1.1289054 0.84917904 0.07354603 -1.1864923
## Max_hist.PET Mean_hist.PET Variance_hist.PET Standard_Deviation_hist.PET
## 1 -0.4361311 -0.4204856 -0.2625994 -0.2362506
## 2 0.1486951 0.3153953 0.3949731 0.2970175
## 3 -1.1768823 -1.1362283 -0.8957972 -1.1289710
## 4 -0.1516658 -0.3486295 -0.2802885 -0.2534091
## 5 -1.1061760 -1.1155134 -0.9335606 -1.2398300
## 6 -1.2223057 -1.2048611 -0.9289185 -1.2246350
## Skewness_hist.PET Kurtosis_hist.PET Energy_hist.PET Entropy_hist.PET
## 1 -0.3229376 -0.2730969 0.05021980 -0.3798553
## 2 -0.1769772 -0.2664840 0.09191129 -0.7468252
## 3 -0.9586986 -0.4718456 0.04744499 -0.3704894
## 4 -0.1155757 0.1199784 -0.01242149 -0.1570421
## 5 0.9580073 0.9071980 0.15326924 -0.8531740
## 6 -0.4355546 -0.1910724 0.05514509 -0.1536498
## AUC_hist.PET H_suv.PET Volume.PET X3D_surface.PET ratio_3ds_vol.PET
## 1 -0.5675836 -0.1211439 -0.77134265 -0.5201102 -0.2282413
## 2 -0.5634659 0.9495392 -0.86978222 -0.4310874 0.4221576
## 3 -0.5814501 -1.0718855 -0.48494090 -0.1551558 -0.2483619
## 4 -0.4067915 -0.3934530 0.05871532 0.2442709 -0.7007345
## 5 -0.4082919 -1.2107989 -0.42285136 -0.4502135 0.4091793
## 6 -0.5643056 -1.1009679 -0.76048331 -0.3917880 -0.0350387
## ratio_3ds_vol_norm.PET irregularity.PET tumor_length.PET Compactness_v1.PET
## 1 -0.376749051 -0.4041462 -0.4993850 -0.07197872
```

## 2	0.001181975	-0.2594920	-0.6246547	-0.08449944
## 3	-0.113559448	-0.5006828	-0.3144097	-0.08158664
## 4	-0.069268090	-0.7786312	0.3678334	-0.08276045
## 5	-0.004442091	-0.3960864	-0.6910089	-0.08436902
## 6	-0.185715505	-0.4839717	-0.4467293	-0.07941290
##	Compactness_v2.PET	Spherical_disproportion.PET	Sphericity.PET	Asphericity.PET
## 1	-0.4249126	-0.376749051	-0.4428932	-0.36463396
## 2	-0.4265812	0.001181975	-0.5051973	0.02005061
## 3	-0.4262617	-0.113559448	-0.4897787	-0.09674122
## 4	-0.4263918	-0.069268090	-0.4960147	-0.05165838
## 5	-0.4265693	-0.004442091	-0.5044949	0.01432605
## 6	-0.4259895	-0.185715505	-0.4787394	-0.17018669
##	Center_of_mass.PET	Max_3D_diam.PET	Major_axis_length.PET	
## 1	-0.03050325	-0.66406536	-0.77986887	
## 2	-0.32639266	-0.75236400	-0.76712458	
## 3	-0.58411455	-0.53368216	-0.45235010	
## 4	0.04330285	-0.05279069	-0.06489845	
## 5	-0.40817644	-0.79913502	-0.74622189	
## 6	-0.69694662	-0.62695008	-0.57774168	
##	Minor_axis_length.PET	Least_axis_length.PET	Elongation.PET	Flatness.PET
## 1	-0.8104678	-0.5530902	-0.3767912	0.0388863
## 2	-0.7488362	-0.7395741	-0.3002178	-0.3471572
## 3	-0.6156914	-0.4296651	-0.6833310	-0.4444301
## 4	0.4300517	0.7399041	-0.1112560	0.3031255
## 5	-0.8991212	-0.7280052	-0.6012065	-0.3723581
## 6	-0.5623790	-0.9903323	-0.4089789	-1.0862675
##	Max_cooc.L.PET	Average_cooc.L.PET	Variance_cooc.L.PET	Entropy_cooc.L.PET
## 1	0.01907240	-0.38679684	-0.10747089	-0.4982927
## 2	0.13070498	-0.47577094	0.09064602	-0.5860237
## 3	0.01953020	0.01393894	-0.07644599	-0.4564828
## 4	0.05256218	-0.85110310	-1.08067728	-0.5975811
## 5	0.10827282	-1.07572238	-0.70694040	-0.6879367
## 6	0.03231337	-0.34383121	-0.33459330	-0.4952102
##	DAVE_cooc.L.PET	DVAR_cooc.L.PET	DENT_cooc.L.PET	SAVE_cooc.L.PET
## 1	-0.32209112	-0.4376118	-0.4886194	-0.38709402
## 2	0.01715114	0.2839811	-0.3924968	-0.47610489
## 3	-0.25478670	-0.4201798	-0.4853888	0.01380756
## 4	-1.01842876	-1.0814113	-0.7736715	-0.85159235
## 5	-0.57943763	-0.5145756	-0.5799860	-1.07630456
## 6	-0.35338811	-0.3880621	-0.5037470	-0.34411057
##	SVAR_cooc.L.PET	SENT_cooc.L.PET	ASM_cooc.L.PET	Contrast_cooc.L.PET
## 1	-0.02670287	-0.4370125	0.08567996	-0.2213217
## 2	-0.05030249	-0.4522504	0.09647507	0.3022677
## 3	0.01642425	-0.4160760	0.08186129	-0.2136907
## 4	-1.03759534	-0.5918277	0.09955938	-1.0037577
## 5	-0.76817505	-0.6137263	0.11134587	-0.5146244
## 6	-0.33550372	-0.4628880	0.08443155	-0.2881716
##	Dissimilarity_cooc.L.PET	Inv_diff_cooc.L.PET	Inv_diff_norm_cooc.L.PET	
## 1	-0.32209112	-0.56676432	-0.5763209	
## 2	0.01715114	-0.65677272	-0.6263249	
## 3	-0.25478670	-0.67304907	-0.5908391	
## 4	-1.01842876	0.01529491	-0.4583262	
## 5	-0.57943763	-0.35540218	-0.5329963	
## 6	-0.35338811	-0.55940955	-0.5726633	

##	IDM_cooc.L.PET	IDM_norm_cooc.L.PET	Inv_var_cooc.L.PET	Correlation_cooc.L.PET
## 1	-0.5299735	-0.5673986	-0.5326148	-0.2395619
## 2	-0.5765204	-0.6053420	-0.5811335	-0.8363785
## 3	-0.6595578	-0.5704381	-0.6177360	-0.2158561
## 4	0.1580695	-0.5056711	0.2132500	0.1061216
## 5	-0.2767734	-0.5441814	-0.2387626	-0.5520434
## 6	-0.5141966	-0.5628242	-0.5072913	-0.4179359
##	Autocorrelation_cooc.L.PET	Tendency_cooc.L.PET	Shade_cooc.L.PET	
## 1	-0.2329996	-0.02670287	0.1671657	
## 2	-0.4242598	-0.05030249	-0.2480649	
## 3	0.3938654	0.01642425	-1.0691758	
## 4	-0.9158615	-1.03759534	-0.4177156	
## 5	-1.1530657	-0.76817505	0.7271944	
## 6	-0.2233890	-0.33550372	-0.3600608	
##	Prominence_cooc.L.PET	IC1_.L.PET	IC2_.L.PET	Coarseness_vdif_.L.PET
## 1	0.03098815	0.28708958	-0.3388377	0.006376387
## 2	-0.09787370	0.07137519	-0.2700784	0.002781345
## 3	-0.10490242	0.48311676	-0.4270856	0.062882324
## 4	-0.99146297	0.85653165	-0.7163131	-0.265687089
## 5	-0.21532057	0.51165900	-0.5122657	0.091004827
## 6	-0.28337792	0.45766703	-0.4241077	0.056388055
##	Contrast_vdif_.L.PET	Busyness_vdif_.L.PET	Complexity_vdif_.L.PET	
## 1	-0.20028108	-0.5370115	-0.2662241	
## 2	0.04845588	-0.5588516	0.1658987	
## 3	-0.20399173	-0.6279787	-0.4553060	
## 4	-0.56421930	0.3930587	-0.9080359	
## 5	-0.28542101	-0.5535294	-0.2924139	
## 6	-0.26453325	-0.5919696	-0.4582705	
##	Strength_vdif_.L.PET	SRE_align.L.PET	LRE_align.L.PET	GLNU_align.L.PET
## 1	-0.26986044	-0.5491186	-0.6008961	-0.5518738
## 2	-0.08939775	-0.5417070	-0.6286505	-0.5804090
## 3	-0.33357336	-0.5429081	-0.6287202	-0.5689426
## 4	-0.74161019	-0.5790227	-0.4805041	0.8278520
## 5	0.36980693	-0.5500234	-0.6039683	-0.5451300
## 6	-0.29834594	-0.5507824	-0.6004473	-0.5535866
##	RLNU_align.L.PET	RP_align.L.PET	LGRE_align.L.PET	HGRE_align.L.PET
## 1	-0.5464275	-0.5474571	-0.1363764	-0.2927891
## 2	-0.6108530	-0.5377614	-0.1015623	-0.3788537
## 3	-0.5406625	-0.5385648	-0.5363455	0.2550858
## 4	0.8204210	-0.5874610	-0.3920716	-0.8757658
## 5	-0.6113202	-0.5474295	0.3215672	-1.1367241
## 6	-0.5389372	-0.5485107	-0.3905515	-0.1862284
##	LGSRE_align.L.PET	HGSRE_align.L.PET	LGHRE_align.L.PET	HGLRE_align.L.PET
## 1	-0.1309227	-0.2892810	-0.1586271	-0.3027382
## 2	-0.1020941	-0.3648331	-0.1043141	-0.4335426
## 3	-0.5281412	0.2543553	-0.5656372	0.2540986
## 4	-0.3977173	-0.8798431	-0.3696846	-0.8559685
## 5	0.3336016	-1.1252892	0.2682880	-1.1814830
## 6	-0.3835794	-0.1800162	-0.4177003	-0.2110612
##	GLNU_norm_align.L.PET	RLNU_norm_align.L.PET	GLVAR_align.L.PET	
## 1	-0.23873077	-0.5367407	-0.10514870	
## 2	-0.09112146	-0.5172827	0.02719377	
## 3	-0.32104774	-0.5210072	0.04708212	
## 4	-0.12102818	-0.6136212	-1.05093564	

## 5	0.11402955	-0.5396152	-0.91313817	
## 6	-0.27069541	-0.5414162	-0.24895053	
##	RLVAR_align.L.PET	Entropy_align.L.PET	SZSE.L.PET	LZSE.L.PET
## 1	-0.2613329	-0.5213924	-0.5416124	-0.4480602
## 2	-0.3774656	-0.6055192	-0.4622829	-0.6146387
## 3	-0.3933670	-0.4724149	-0.4319895	-0.7703556
## 4	0.2721998	-0.5657969	-0.5905909	-0.1684870
## 5	-0.2978019	-0.7451479	-0.4515025	-0.7298394
## 6	-0.2810142	-0.5060910	-0.5189079	-0.5211468
##	HGLZE.L.PET	SZLGE.L.PET	SZHGE.L.PET	LZLGE.L.PET
## 1	-0.2984560	-0.17106728	-0.2942719	-0.15397307
## 2	-0.3730995	-0.09242262	-0.3163762	-0.18984205
## 3	0.2138548	-0.44960709	0.2507497	-0.67073190
## 4	-0.8741513	-0.39730122	-0.8709436	-0.29205659
## 5	-1.1420153	0.44865547	-1.0646965	-0.02980072
## 6	-0.2275594	-0.43201249	-0.2525831	-0.40630438
##	ZSNU.L.PET	ZSP.L.PET	GLNU_norm.L.PET	ZSNU_norm.L.PET
## 1	-0.5530418	-0.5621738	-0.23689556	-0.6190040
## 2	-0.5984956	-0.4628174	-0.09957407	-0.4177144
## 3	-0.5054842	-0.4019440	-0.31340711	-0.3386244
## 4	0.7243773	-0.6566870	-0.11705626	-0.7292502
## 5	-0.5925559	-0.4268835	0.12451086	-0.3925193
## 6	-0.5364744	-0.5302461	-0.25610439	-0.5629950
##	ZSVAR.L.PET	Entropy_area.L.PET	Max_cooc.H.PET	Average_cooc.H.PET
## 1	-0.2226564	-0.5000553	-0.5622647	-0.62173115
## 2	-0.4137605	-0.6362274	-0.4644195	-0.65760120
## 3	-0.8362779	-0.5442329	0.5340130	-0.34277170
## 4	0.4721232	-0.4937376	-0.4910382	-0.71683325
## 5	-0.7751321	-0.7925323	2.5493588	-0.09109055
## 6	-0.3715063	-0.5139189	0.9182000	-0.26774039
##	Variance_cooc.H.PET	Entropy_cooc.H.PET	DAVE_cooc.H.PET	DVAR_cooc.H.PET
## 1	-0.3926613	-0.4405901	-0.4245348	-0.5066538
## 2	-0.3614375	-0.1978581	-0.2002922	-0.3071158
## 3	-0.6153275	-1.2304855	-0.6542876	-0.3422576
## 4	-0.2257862	-0.4815188	-0.5565737	-0.5352219
## 5	-1.8853813	-1.4739615	-1.4624814	-1.5091037
## 6	-1.0272260	-1.3894649	-0.9100846	-0.4729899
##	DENT_cooc.H.PET	SAVE_cooc.H.PET	SVAR_cooc.H.PET	SENT_cooc.H.PET
## 1	0.08192889	-0.57021320	-0.21121323	0.07030056
## 2	-0.83264259	-0.69322153	-0.51771839	0.21849474
## 3	-0.01496272	-0.28179187	-0.04897359	-0.73909827
## 4	-0.06855070	-0.66854100	-0.06049054	0.03408701
## 5	-0.27142899	-0.02157412	-0.22370520	-0.99227968
## 6	-1.36710074	-0.20421566	-1.12758322	-0.90558682
##	ASM_cooc.H.PET	Contrast_cooc.H.PET	Dissemblarity_cooc.H.PET	
## 1	-0.4257044	-0.4150674	-0.4245348	
## 2	-0.4923348	-0.1059010	-0.2002922	
## 3	0.5293038	-0.5606912	-0.6542876	
## 4	-0.3939640	-0.5503855	-0.5565737	
## 5	2.2056453	-1.5501224	-1.4624814	
## 6	1.1479491	-0.8152598	-0.9100846	
##	Inv_diff_cooc.H.PET	Inv_diff_norm_cooc.H.PET	IDM_cooc.H.PET	
## 1	-0.6699941	-0.5752921	-0.6523898	
## 2	-0.8857913	-0.6152984	-0.8819195	

## 3	0.3565728	-0.5209539	0.5268363	
## 4	-0.4667711	-0.5490693	-0.4271592	
## 5	1.0615198	-0.3715120	1.2525912	
## 6	0.7501870	-0.4686586	0.9497298	
##	IDM_norm_cooc.H.PET	Inv_var_cooc_.H.PET	Correlation_cooc.H.PET	
## 1	-0.5628068	0.1245932	-0.2531664	
## 2	-0.5876552	0.1626292	-0.7097902	
## 3	-0.5524530	-0.4195061	-0.3204338	
## 4	-0.5507795	0.1827693	0.1572312	
## 5	-0.4665595	-0.1515276	-0.8038649	
## 6	-0.5320201	-0.4759560	-0.5377799	
##	Autocorrelation_cooc.H.PET	Tendency_cooc.H.PET	Shade_cooc.H.PET	
## 1	-0.63574265	-0.34548858	0.56115327	
## 2	-0.72995330	-0.46719366	-0.03213742	
## 3	-0.12798663	-0.58987505	-0.06440384	
## 4	-0.75877292	-0.03028623	-0.39054358	
## 5	0.31634762	-1.89802896	1.54978365	
## 6	-0.01075648	-1.04995447	0.53842843	
##	Prominence_cooc.H.PET	IC1_d.H.PET	IC2_d.H.PET	Coarseness_vdif.H.PET
## 1	-0.2771646	0.45844723	-0.34880559	0.09720863
## 2	-0.3832531	0.84097312	-0.70922702	0.12838981
## 3	-0.7224845	0.08064715	-0.49617333	0.06302159
## 4	0.3271375	-0.02579697	0.03019033	0.04310330
## 5	-1.7264583	0.44273864	-0.93060958	0.08210694
## 6	-1.2412690	0.22017194	-0.70937241	0.05664774
##	Contrast_vdif.H.PET	Busyness_vdif.H.PET	Complexity_vdif.H.PET	
## 1	-0.4274453	-0.3638887	-0.10931813	
## 2	-0.5671546	-0.3703971	0.06155045	
## 3	0.7225133	-0.3477636	-0.19946129	
## 4	-0.4836185	-0.2468294	-0.23521590	
## 5	-0.5418056	-0.3667598	-0.72923006	
## 6	1.0600966	-0.3404997	-0.27546607	
##	Strength_vdif.H.PET	SRE_align.H.PET	LRE_align.H.PET	RLNU_align.H.PET
## 1	-0.13025494	-0.4307026	-0.7195651	-0.4971654
## 2	-0.09260654	-0.3447791	-0.9067290	-0.5420981
## 3	-0.11406009	-0.7812458	0.3824637	-0.5852595
## 4	-0.23919622	-0.5220265	-0.4651246	0.7194380
## 5	0.08722946	-0.8618153	0.6020573	-0.6316801
## 6	-0.11599525	-0.9130679	1.0286387	-0.6029308
##	RP_align.H.PET	LGRE_align.H.PET	HGRE_align.H.PET	LGSRE_align.H.PET
## 1	-0.4065909	0.06392089	-0.698132947	0.06778299
## 2	-0.2896583	0.06421447	-0.740884690	0.06870144
## 3	-0.8520852	0.03404939	-0.378161662	0.03611506
## 4	-0.5294515	0.10054467	-0.674598529	0.09794468
## 5	-0.9156443	0.01379255	0.456615365	0.01822378
## 6	-0.9873040	0.02311363	-0.008001338	0.02524069
##	HGSRE_align.H.PET	LGHRE_align.H.PET	HGLRE_align.H.PET	GLNU_norm_align.H.PET
## 1	-0.59041968	0.037835342	-0.6802823	-0.5712362
## 2	-0.53088745	0.033125985	-0.8573161	-0.7030578
## 3	-0.76247426	0.027942041	0.6873551	0.5316701
## 4	-0.65688536	0.117419836	-0.4979682	-0.6317852
## 5	0.09512599	-0.005644076	1.0274090	1.5299799
## 6	-0.48738896	0.028964227	1.2343204	0.9385123
##	RLNU_norm_align.H.PET	GLVAR_align.H.PET	RLVAR_align.H.PET	Entropy_align.H.PET

## 1	-0.3120397	-0.3721453	-0.5834915	-0.4736414		
## 2	-0.1079673	-0.4355544	-0.8037182	-0.3905964		
## 3	-0.9704621	-0.6625075	0.7441584	-0.8867673		
## 4	-0.5049737	-0.1576847	-0.2617379	-0.2985495		
## 5	-1.0850209	-1.8601022	0.9596641	-1.0911927		
## 6	-1.1496499	-0.9735944	1.4877490	-0.8924170		
##	SZSE.H.PET	LZSE.H.PET	LGLZE.H.PET	HGLZE.H.PET	SZLGE.H.PET	SZHGE.H.PET
## 1	-0.34821000	-0.20713789	0.054010198	-0.2901933	0.06374556	-3.657487e-01
## 2	0.08296996	-0.21972745	0.057224946	-0.7831293	0.07546816	-9.234150e-02
## 3	-0.85184571	-0.11558937	0.031689625	-0.3822321	0.04154588	-9.771746e-01
## 4	-0.46659449	-0.14463396	0.093281256	0.5268357	0.08796006	-5.579603e-01
## 5	-0.98364474	0.01824329	0.007396366	0.7261377	0.02594017	-2.874186e-05
## 6	-0.98401691	0.20956309	0.019378605	-0.1268240	0.03231433	-7.223679e-01
##	LZLGE.H.PET	LZHGE.H.PET	GLNU_area.H.PET	ZSNU.H.PET	ZSP.H.PET	
## 1	-0.2540270	-0.233853915	-0.5444686	-0.4601965	-0.2248134	
## 2	-0.2869748	-0.243886393	-0.5796658	-0.3824687	0.5127672	
## 3	-0.2005686	-0.095484736	-0.4288636	-0.5618607	-0.9285878	
## 4	-0.0380075	-0.186879336	0.5390657	0.1940260	-0.6128852	
## 5	-0.1199001	0.006637164	-0.5810817	-0.5874970	-1.1161831	
## 6	0.1643966	0.194571350	-0.5459613	-0.5864810	-1.2948336	
##	GLNU_norm.H.PET	ZSNU_norm.H.PET	GLVAR_area.H.PET	ZSVAR.H.PET		
## 1	-0.5806037	-0.3162951	-0.4224700	-0.22265827		
## 2	-0.6979911	0.5518249	-0.4601605	-0.23141569		
## 3	0.7417602	-1.0206540	-0.7321688	-0.14238329		
## 4	-0.6306111	-0.5107478	-0.1013358	-0.15967750		
## 5	0.8761277	-1.1255136	-1.7481942	-0.01198442		
## 6	1.0030056	-1.1804675	-0.8220885	0.15839447		
##	Entropy_area.H.PET	Max_cooc.W.PET	Average_cooc.W.PET	Variance_cooc.W.PET		
## 1	-0.4736178	-0.3461950	-0.31008562	-0.2564173		
## 2	-0.6802143	-0.3036564	0.02683964	0.4493676		
## 3	-0.7186979	0.2207037	-1.03175940	-0.8969181		
## 4	-0.2259535	-0.3351671	-0.24731569	-0.3130037		
## 5	-0.7802805	1.4412203	-1.25206094	-0.9213654		
## 6	-0.7566641	0.5149649	-1.16802267	-0.9303583		
##	Entropy_cooc.W.PET	DAVE_cooc.W.PET	DVAR_cooc.W.PET	DENT_cooc.W.PET		
## 1	-0.3380333	-0.2540337	-0.3193107	-0.342943902		
## 2	-0.1736199	0.5364988	0.6942880	0.002238598		
## 3	-1.0345685	-1.1339433	-0.9433432	-1.093835590		
## 4	-0.3440762	-0.4552820	-0.4197731	-0.444514652		
## 5	-1.2576617	-1.2034308	-0.9378081	-1.135682315		
## 6	-1.1793425	-1.2258890	-0.9628533	-1.208596176		
##	SAVE_cooc.W.PET	SVAR_cooc.W.PET	SENT_cooc.W.PET	ASM_cooc.W.PET		
## 1	-0.31038212	-0.2282020	-0.3159465	-0.2006869		
## 2	0.02661683	0.3098894	-0.1467601	-0.2333697		
## 3	-1.03221397	-0.8431674	-0.9419763	0.3324825		
## 4	-0.24759852	-0.2424063	-0.3128799	-0.1888046		
## 5	-1.25256366	-0.8712021	-1.1559564	1.2294011		
## 6	-1.16850700	-0.8775841	-1.0917096	0.6973497		
##	Contrast_cooc.W.PET	Dissimilarity_cooc.W.PET	Inv_diff_cooc.W.PET			
## 1	-0.3075340		-0.2540337	-0.6374300		
## 2	0.7742948		0.5364988	-0.9304053		
## 3	-0.9576910		-1.1339433	0.2901524		
## 4	-0.4700373		-0.4552820	-0.4626158		
## 5	-0.9705620		-1.2034308	0.5487330		

## 6	-0.9855880	-1.2258890	0.5258770	
##	Inv_diff_norm_cooc.W.PET	IDM_cooc.W.PET	IDM_norm_cooc.W.PET	
## 1	-0.5764903	-0.6315742	-0.5654455	
## 2	-0.6353259	-0.9114075	-0.6095647	
## 3	-0.5694748	0.5091234	-0.5606607	
## 4	-0.4639086	-0.4247365	-0.5072004	
## 5	-0.5218385	0.8605536	-0.5446135	
## 6	-0.5432064	0.8382954	-0.5500768	
##	Inv_var_cooc.W.PET	Correlation_cooc.W.PET	Autocorrelation_cooc.W.PET	
## 1	-0.5757397	-0.2399351	-0.32079144	
## 2	-0.9126200	-0.8269017	0.03559253	
## 3	0.5282510	-0.2251579	-0.85647530	
## 4	-0.3646175	0.1173220	-0.25478504	
## 5	0.6301697	-0.6005036	-0.93362150	
## 6	0.7959910	-0.4364399	-0.90992639	
##	Tendency_cooc.W.PET	Shade_cooc.W.PET	Prominence_cooc.W.PET	IC1_d.W.PET
## 1	-0.2282020	-0.19389610	-0.24361420	0.5027180
## 2	0.3098894	-0.07709063	-0.06025639	0.4614179
## 3	-0.8431674	-0.38075702	-0.33892430	0.2495240
## 4	-0.2424063	-0.12206509	-0.20994984	0.1738307
## 5	-0.8712021	-0.36726449	-0.33872045	0.7187278
## 6	-0.8775841	-0.37810446	-0.33964929	0.4437719
##	IC2_d.W.PET	Coarseness_vdif.W.PET	Contrast_vdif.W.PET	Busyness_vdif.W.PET
## 1	-0.4267892	-0.0550313004	-0.1846450	-0.6979653
## 2	-0.3295264	-0.0353358511	0.9808822	-0.8409454
## 3	-0.5747430	0.0153602863	-0.8804405	0.3359712
## 4	-0.1890252	-0.3110467938	-0.8000340	-0.2967495
## 5	-1.0350664	0.0257529944	-1.0090603	0.7166976
## 6	-0.7867358	0.0007597987	-1.0067613	0.9729224
##	Complexity_vdif.W.PET	Strength_vdif.W.PET	SRE_align.W.PET	LRE_align.W.PET
## 1	-0.39496588	-0.1487983	-0.4965600	-0.73910542
## 2	0.08320976	0.4339190	-0.4598340	-0.85727668
## 3	-0.66954127	-0.5979340	-0.6654328	-0.06739247
## 4	-0.23711930	-0.4828870	-0.5398142	-0.58157466
## 5	-0.66792434	-0.5191096	-0.6972780	0.02047286
## 6	-0.67367185	-0.6067205	-0.7279147	0.21868188
##	GLNU_align.W.PET	RLNU_align.W.PET	RP_align.W.PET	LGRE_align.W.PET
## 1	-0.6559981	-0.5172076	-0.4802142	-0.4017177
## 2	-0.7533293	-0.5729297	-0.4299235	-0.5396006
## 3	-0.3788126	-0.5646645	-0.7036969	0.3462367
## 4	0.8307024	0.7825295	-0.5386015	-0.7522301
## 5	-0.3210012	-0.6191293	-0.7329976	1.5284294
## 6	-0.2465460	-0.5756284	-0.7771379	0.7543122
##	HGRE_align.W.PET	LGSRE_align.W.PET	HGSRE_align.W.PET	LGHRE_align.W.PET
## 1	-0.34486770	-0.3723193	-0.33818074	-0.4632262
## 2	0.06469248	-0.5229899	0.08716306	-0.5574876
## 3	-0.87260946	0.3282319	-0.87478027	0.3281300
## 4	-0.22356683	-0.7627312	-0.23166000	-0.6670154
## 5	-0.93382896	1.4011158	-0.92610182	1.7315839
## 6	-0.91329204	0.6876126	-0.91131785	0.9541545
##	HGLRE_align.W.PET	GLNU_norm_align.W.PET	RLNU_norm_align.W.PET	
## 1	-0.37252766	-0.5138900	-0.4173834	
## 2	-0.02056866	-0.6106199	-0.3241975	
## 3	-0.85434001	0.4207051	-0.7968581	

## 4	-0.18712885	-0.5748071	-0.5214981			
## 5	-0.96930814	1.5193572	-0.8584130			
## 6	-0.91848578	0.8671484	-0.9133916			
##	GLVAR_align.W.PET	RLVAR_align.W.PET	Entropy_align.W.PET	SZSE.W.PET		
## 1	-0.2669606	-0.5628902	-0.4498174	-0.3984842		
## 2	0.3757256	-0.7613964	-0.3576058	-0.2078345		
## 3	-0.8976031	0.6493112	-0.9123703	-0.7071376		
## 4	-0.2715007	-0.2778154	-0.3176612	-0.5128944		
## 5	-0.9318581	0.7263114	-1.1552447	-0.8303329		
## 6	-0.9287314	1.1021073	-0.9927288	-0.8940003		
##	LZSE.W.PET	LGLZE.W.PET	HGLZE.W.PET	SZLGE.W.PET	SZHGE.W.PET	LZLGE.W.PET
## 1	-0.46022593	-0.4680080	-0.33029582	-0.4203553	-0.3108175	-0.2805442
## 2	-0.54971957	-0.5314592	0.04470571	-0.3837420	0.0993072	-0.3230801
## 3	0.03171704	0.6608786	-0.88997048	0.7774380	-0.8762190	-0.1395594
## 4	-0.28978468	-0.7610457	-0.19725000	-0.7649478	-0.2307742	-0.3033265
## 5	0.08014995	1.4982016	-0.93506566	1.1046276	-0.9059600	0.3616331
## 6	0.87001336	0.8734152	-0.92196939	0.8204223	-0.9076839	0.7265043
##	LZHGE.W.PET	GLNU_area.W.PET	ZSNU.W.PET	ZSP.W.PET	GLNU_norm.W.PET	
## 1	-0.52340377	-0.6041965	-0.4721573	-0.30839336	-0.5218836	
## 2	-0.39643071	-0.6842908	-0.4825369	-0.02030225	-0.6162192	
## 3	-0.71605820	-0.3854504	-0.5551402	-0.83267422	0.5443641	
## 4	0.08085406	0.7306191	0.4949157	-0.54623479	-0.5823999	
## 5	-1.09354081	-0.4252048	-0.6000846	-0.93920220	1.3583335	
## 6	-0.76011879	-0.4022340	-0.5913780	-1.18035989	0.9434539	
##	ZSNU_norm.W.PET	GLVAR_area.W.PET	ZSVAR.W.PET	Entropy_area.W.PET	Min_hist.ADC	
## 1	-0.3200057	-0.2766605	-0.38203018	-0.5014727	0.4113126	
## 2	0.1255877	0.3303703	-0.43457258	-0.5477755	-0.8657505	
## 3	-0.8898751	-0.8956246	0.03827969	-0.8589846	0.6090364	
## 4	-0.5494782	-0.2378244	-0.23636331	-0.2711087	-0.8657505	
## 5	-1.0798617	-0.9244211	0.02117985	-0.9273561	-0.8657505	
## 6	-1.1754135	-0.9261313	0.79391402	-0.7747854	-0.8657505	
##	Max_hist.ADC	Mean_hist.ADC	Variance_hist.ADC	Standard_Deviation_hist.ADC		
## 1	-0.54142188	-0.3871858	0.03649101	-0.13239011		
## 2	-0.59178935	-0.5187498	-0.35175571	-0.42773754		
## 3	-0.01830709	-0.3635494	1.08498263	0.51133519		
## 4	-0.01035433	-0.4584202	0.28753584	0.03833017		
## 5	-0.43450146	-0.7453425	-0.00565879	-0.16242576		
## 6	-0.33818472	-0.2100562	2.18699161	1.05521496		
##	Skewness_hist.ADC	Kurtosis_hist.ADC	Energy_hist.ADC	Entropy_hist.ADC		
## 1	0.7601872	-0.3645347	0.17139759	-0.8808510		
## 2	-1.3132101	0.3555531	0.08084621	-0.6160912		
## 3	1.4014854	0.8837421	0.05339560	-0.4708601		
## 4	-0.3335022	-0.4827438	0.03164901	-0.3251680		
## 5	-0.2284111	-0.2927585	0.06337764	-0.5427299		
## 6	-0.9234665	-1.3820906	0.04876108	-0.4722479		
##	AUC_hist.ADC	Volume.ADC	X3D_surface.ADC	ratio_3ds_vol.ADC		
## 1	-0.5517312	-0.77171573	-0.83357781	0.40738565		
## 2	-0.6811442	-0.83529619	-0.72636952	-0.20351364		
## 3	-0.3709215	-0.51840678	-0.56229596	-0.51516250		
## 4	-0.5582428	0.05016931	-0.07719641	-0.52782472		
## 5	-0.6274542	-0.48828960	-0.55940723	-0.47939174		
## 6	-0.6852396	-0.73987664	-0.52085076	-0.05784537		
##	ratio_3ds_vol_norm.ADC	irregularity.ADC	Compactness_v1.ADC	Compactness_v2.ADC		
## 1	-0.5102350	-0.3109450	-0.159269319	-0.56541295		

## 2	-0.7309093	-0.5307282	-0.015731983	0.01693002
## 3	-0.7887529	-0.7548838	0.029338740	0.21805452
## 4	-0.3401354	-0.6841516	-0.247114169	-0.87441235
## 5	-0.7465117	-0.7114444	-0.003961922	0.06881245
## 6	-0.2591402	-0.5710146	-0.283572652	-0.99205523
##	Spherical_disproportion.ADC	Sphericity.ADC	Asphericity.ADC	Center_of_mass.ADC
## 1	-0.5102350	-0.5761452	-0.32810533	-0.1599647
## 2	-0.7309093	-0.3377117	-0.79595554	-0.1345429
## 3	-0.7887529	-0.2658503	-0.91858954	0.3122768
## 4	-0.3401354	-0.7287679	0.03252177	0.1652700
## 5	-0.7465117	-0.3187759	-0.82903405	-0.5223026
## 6	-0.2591402	-0.7938125	0.20423907	0.4204525
##	Max_3D_diam.ADC	Major_axis_length.ADC	Minor_axis_length.ADC	
## 1	-0.9223406	-0.6363554	-1.0694709	
## 2	-0.7388407	-0.9347200	-0.7650734	
## 3	-0.6298715	-0.7330537	-0.4762489	
## 4	-0.2750518	-0.2806023	-0.2509627	
## 5	-0.7007593	-0.8147554	-0.5239350	
## 6	-0.5900804	-0.4516336	-0.5552712	
##	Least_axis_length.ADC	Elongation.ADC	Flatness.ADC	Max_cooc.L.ADC
## 1	-1.04883852	-1.2658333	-1.2879681	0.171468447
## 2	-0.59483948	-0.2578859	0.0237260	-0.034142536
## 3	-0.49092760	-0.1144291	-0.1805273	0.040404448
## 4	-0.07836234	-0.4660035	-0.2184426	0.008852003
## 5	-0.25589410	-0.0340415	0.4388721	-0.001549901
## 6	-0.67678823	-0.6741211	-0.8646448	-0.110769901
##	Average_cooc.L.ADC	Variance_cooc.L.ADC	Entropy_cooc.L.ADC	DAVE_cooc.L.ADC
## 1	-0.72089326	0.5592857	-0.6503058	0.10801881
## 2	-0.04429305	-0.7145134	-0.6089983	-0.58519579
## 3	-1.19070915	0.9512078	-0.5126260	-0.21463352
## 4	-0.58873748	-0.7749119	-0.6127855	-0.86737881
## 5	-0.53186871	-0.6271330	-0.5521907	-0.48832913
## 6	-0.10171762	1.2476170	-0.3423719	0.05653072
##	DVAR_cooc.L.ADC	DENT_cooc.L.ADC	SAVE_cooc.L.ADC	SVAR_cooc.L.ADC
## 1	1.3404697	-0.3378751	-0.7211984	0.4168868
## 2	-0.6443482	-0.6023649	-0.0444083	-0.7316081
## 3	0.9153432	-0.4453804	-1.1911468	1.1761980
## 4	-0.9051946	-0.7262579	-0.5890055	-0.6872803
## 5	-0.5937073	-0.5615696	-0.5321207	-0.6497936
## 6	0.5625945	-0.3536147	-0.1018483	1.5473657
##	SENT_cooc.L.ADC	ASM_cooc.L.ADC	Contrast_cooc.L.ADC	Dissimilarity_cooc.L.ADC
## 1	-0.21422274	0.11178526	0.8024997	0.10801881
## 2	-1.15215699	0.07978965	-0.5875537	-0.58519579
## 3	0.07552317	0.08346730	0.3370790	-0.21463352
## 4	-0.18692032	0.08199624	-0.8708007	-0.86737881
## 5	-0.21904233	0.06728562	-0.4988646	-0.48832913
## 6	-0.82480441	0.03933543	0.4319138	0.05653072
##	Inv_diff_cooc.L.ADC	Inv_diff_norm_cooc.L.ADC	IDM_cooc.L.ADC	
## 1	-0.5144491	-0.6074400	-0.4025260	
## 2	-0.4760492	-0.5436049	-0.4563809	
## 3	-0.4172269	-0.5736895	-0.3203856	
## 4	-0.2068187	-0.5106365	-0.1014070	
## 5	-0.5230063	-0.5549202	-0.5010570	
## 6	-0.7006237	-0.6088330	-0.6849128	

##	IDM_norm_cooc.L.ADC	Inv_var_cooc.L.ADC	Correlation_cooc.L.ADC	
## 1	-0.5963440	-0.4473741	-0.70471165	
## 2	-0.5504203	-0.4239707	-0.51812159	
## 3	-0.5792879	-0.3081512	0.09412942	
## 4	-0.5395436	-0.1032327	0.06038360	
## 5	-0.5542055	-0.4796230	-0.52975022	
## 6	-0.5864250	-0.6883192	0.18917254	
##	Autocorrelation_.L.ADC	Tendency_cooc.L.ADC	Shade_.L.ADC	Prominence_cooc.L.ADC
## 1	-0.6998238	0.4168868	1.5643914	0.9559151
## 2	0.2354008	-0.7316081	-0.8436388	-0.6151097
## 3	-1.1120988	1.1761980	4.1522294	3.9832025
## 4	-0.5602964	-0.6872803	-0.3582556	-0.7096757
## 5	-0.4952326	-0.6497936	-0.3648893	-0.6136209
## 6	0.2695015	1.5473657	-1.0298872	1.2401564
##	IC1_.L.ADC	IC2_.L.ADC	Coarseness_vdif_.L.ADC	Contrast_vdif_.L.ADC
## 1	-0.6883999	0.02448574	0.301907443	0.6409048
## 2	0.5967581	-0.55782502	0.056613103	-0.4518571
## 3	0.1773429	-0.27185532	-0.075963314	-0.0702796
## 4	0.3808910	-0.41652989	-0.139734248	-0.6427148
## 5	0.6439494	-0.57515917	0.008225508	-0.3561751
## 6	-0.1924172	-0.05807723	-0.003801467	0.3844799
##	Busyness_vdif_.L.ADC	Complexity_vdif_.L.ADC	Strength_vdif_.L.ADC	
## 1	-0.6365437	0.2240702	1.08878436	
## 2	-0.6250681	-0.8182427	-0.05349273	
## 3	-0.1905094	0.5372433	0.06221020	
## 4	-0.2282567	-0.9070155	-0.48069605	
## 5	-0.5381510	-0.6730924	-0.20159009	
## 6	-0.5798298	0.2904589	-0.09788725	
##	SRE_align.L.ADC	LRE_align.L.ADC	GLNU_align.L.ADC	RLNU_align.L.ADC
## 1	-0.5432046	-0.6178635	-0.6261970	-0.6678444
## 2	-0.5458232	-0.6137933	-0.5441134	-0.5747492
## 3	-0.5607702	-0.5566774	-0.4608465	-0.4549755
## 4	-0.5791469	-0.4858621	-0.1783430	-0.1430350
## 5	-0.5426021	-0.6154515	-0.5346359	-0.5426892
## 6	-0.5308298	-0.6668765	-0.5690912	-0.5195656
##	RP_align.L.ADC	LGRE_align.L.ADC	HGRE_align.L.ADC	LGSRE_align.L.ADC
## 1	-0.5353171	6.109942e-02	-0.54292539	0.067623844
## 2	-0.5400544	-3.801424e-02	0.06789313	-0.030420066
## 3	-0.5598945	2.092792e-01	-1.12656204	0.206135542
## 4	-0.5840029	2.904285e-02	-0.62025951	0.029459100
## 5	-0.5370995	-6.973871e-05	-0.53892281	0.007086664
## 6	-0.5193700	-4.259375e-02	0.35906171	-0.035355162
##	HGSRE_align.L.ADC	LGHRE_align.L.ADC	HGLRE_align.L.ADC	GLNU_norm_align.L.ADC
## 1	-0.52408648	0.02829577	-0.6071760	-0.1203279
## 2	0.06957377	-0.07624384	0.0513619	-0.1128336
## 3	-1.12804770	0.21305610	-1.1064162	-0.2225712
## 4	-0.63542049	0.03082241	-0.5596155	-0.1730555
## 5	-0.53418758	-0.03644930	-0.5476899	-0.2306008
## 6	0.38423936	-0.07877047	0.2569200	-0.5276951
##	RLNU_norm_align.L.ADC	GLVAR_align.L.ADC	RLVAR_align.L.ADC	Entropy_align.L.ADC
## 1	-0.5125345	0.6524756	-0.44582763	-0.5883206
## 2	-0.5226589	-0.6881227	-0.43730678	-0.6382575
## 3	-0.5600825	0.6739622	-0.24658490	-0.5106176
## 4	-0.6053373	-0.7581559	-0.01198974	-0.5812684

## 5	-0.5127052	-0.5532662	-0.41790827	-0.5837223		
## 6	-0.4824053	0.9801508	-0.61298122	-0.3955007		
##	SZSE.L.ADC	LZSE.L.ADC	LGLZE.L.ADC	HGLZE.L.ADC	SZLGE.L.ADC	SZHGE.L.ADC
## 1	-0.5014454	-0.7450547	0.07253492	-0.52116543	0.087641058	-0.4531762
## 2	-0.5322334	-0.6801099	-0.02713914	0.03776169	-0.008292571	0.0300991
## 3	-0.6485655	-0.2386096	0.20773636	-1.11061311	0.182242275	-1.1424450
## 4	-0.5869649	-0.4695587	0.01990175	-0.63424587	0.014691528	-0.6650952
## 5	-0.5609116	-0.5131342	0.01661218	-0.56442366	0.033678392	-0.5884310
## 6	-0.5031381	-0.7854992	-0.03306038	0.31736403	-0.014621525	0.3350138
##	LZLGE.L.ADC	LZHGE.L.ADC	GLNU_area.L.ADC	ZSNU.L.ADC	ZSP.L.ADC	
## 1	-0.069331476	-0.722525947	-0.6384152	-0.6668395	-0.4462596	
## 2	-0.173528216	-0.081345974	-0.5460429	-0.5690748	-0.4875722	
## 3	0.296453924	-0.948870970	-0.4826914	-0.4871185	-0.6694902	
## 4	0.001412627	-0.518685568	-0.1566395	-0.1301000	-0.5806975	
## 5	-0.124720269	-0.445679435	-0.5424265	-0.5463444	-0.5542942	
## 6	-0.178463851	0.008986928	-0.5719915	-0.5041938	-0.4347400	
##	GLNU_norm.L.ADC	ZSNU_norm.L.ADC	GLVAR_area.L.ADC	ZSVAR.L.ADC		
## 1	-0.1479371	-0.4206376	0.6575768	-0.6125949		
## 2	-0.0875094	-0.4944409	-0.6983670	-0.5654684		
## 3	-0.2477384	-0.7518699	0.6482625	-0.0599094		
## 4	-0.1514916	-0.6179428	-0.7672453	-0.3265400		
## 5	-0.2193018	-0.5559436	-0.5238385	-0.3514997		
## 6	-0.5039407	-0.4273670	0.9330886	-0.6811584		
##	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		
##	Entropy_cooc.H.ADC	DAVE_cooc.H.ADC	DVAR_cooc.H.ADC	DENT_cooc.H.ADC		
## 1	-0.5135162	-0.4035709	-0.3457743	-0.5427089		
## 2	-0.5879123	-0.4490907	-0.5347957	-0.5544867		
## 3	-0.5521140	-0.6742298	-0.5346473	-0.6002605		
## 4	-0.5364986	-0.8378865	-0.9205151	-0.6518222		
## 5	-0.5449454	-0.4736239	-0.4721307	-0.5533171		
## 6	-0.5896604	-0.8362281	-0.7161951	-0.6504806		
##	SAVE_cooc.H.ADC	SVAR_cooc.H.ADC	SENT_cooc.H.ADC	ASM_cooc.H.ADC		
## 1	-0.6645724	-0.7020362	-0.4477105	0.1131243		
## 2	-0.3987956	-0.6241406	-0.8491975	0.1057101		
## 3	-0.6192882	-0.2874587	-0.4815200	0.1071929		
## 4	-0.6066727	-0.3859861	-0.5326087	0.1049686		
## 5	-0.5694384	-0.6923536	-0.6034431	0.1053393		
## 6	-0.6234836	-0.2260366	-0.6221580	0.1086758		
##	Contrast_cooc.H.ADC	Dissimilarity_cooc.H.ADC	Inv_diff_cooc.H.ADC			
## 1	-0.2927716		-0.4035709	-0.5126398		
## 2	-0.4138414		-0.4490907	-0.5808371		
## 3	-0.6417886		-0.6742298	-0.2457501		
## 4	-0.9390283		-0.8378865	-0.2186128		
## 5	-0.4160171		-0.4736239	-0.4714618		
## 6	-0.8597653		-0.8362281	-0.1572588		
##	Inv_diff_norm_cooc.H.ADC	IDM_cooc.H.ADC	IDM_norm_cooc.H.ADC			
## 1	-0.5783293	-0.40456384	-0.5739996			
## 2	-0.5733662	-0.54895368	-0.5659544			

## 3	-0.5284852	-0.08509688	-0.5433796	
## 4	-0.5034298	-0.08864455	-0.5199402	
## 5	-0.5669623	-0.37192535	-0.5650898	
## 6	-0.4994273	-0.01644963	-0.5240950	
##	Inv_var_cooc.H.ADC	Correlation_cooc.H.ADC	Autocorrelation_cooc.H.ADC	
## 1	-0.3372000	-0.63608177	-0.7706165	
## 2	-0.5233714	-0.47456466	-0.2722283	
## 3	-0.1120096	-0.05904703	-0.5731530	
## 4	-0.1261824	0.15083503	-0.5416515	
## 5	-0.3945912	-0.52544743	-0.5940408	
## 6	-0.0437701	0.16376241	-0.5453615	
##	Tendency_cooc.H.ADC	Shade_cooc.H.ADC	Prominence_cooc.H.ADC	IC1_d.H.ADC
## 1	-0.7020362	0.46889817	-0.74536242	-0.86166650
## 2	-0.6241406	-1.70131741	-0.65856794	0.39133994
## 3	-0.2874587	1.06718493	-0.06008993	0.32513388
## 4	-0.3859861	-0.05494861	-0.37044251	0.47315352
## 5	-0.6923536	-0.73786494	-0.72042827	0.41273734
## 6	-0.2260366	-0.59074557	-0.18983207	-0.06392116
##	IC2_d.H.ADC	Coarseness_vdif.H.ADC	Contrast_vdif.H.ADC	Busyness_vdif.H.ADC
## 1	0.1157107	0.432890709	-0.3950162	-0.6536208
## 2	-0.4319173	0.039522006	-0.4548965	-0.5597792
## 3	-0.3774947	-0.040985354	-0.8123096	-0.4779572
## 4	-0.5048832	-0.118627683	-0.9057013	-0.2214241
## 5	-0.4502685	-0.003453453	-0.4205023	-0.5253460
## 6	-0.1380789	0.024050841	-0.8595558	-0.5485642
##	Complexity_vdif.H.ADC	Strength_vdif.H.ADC	SRE_align.H.ADC	LRE_align.H.ADC
## 1	-0.3862680	0.6749416	-0.5481444	-0.6114778
## 2	-0.4645300	-0.1073982	-0.5503490	-0.6055486
## 3	-0.8080180	-0.2687408	-0.5658265	-0.5257023
## 4	-0.9119357	-0.4237682	-0.5698948	-0.5249950
## 5	-0.4395621	-0.1935487	-0.5570991	-0.5768597
## 6	-0.8775011	-0.1408891	-0.5622128	-0.5591346
##	GLNU_align.H.ADC	RLNU_align.H.ADC	RP_align.H.ADC	LGRE_align.H.ADC
## 1	-0.6633318	-0.6673924	-0.5430933	-0.05398431
## 2	-0.5756171	-0.5768691	-0.5458591	-0.06489495
## 3	-0.4595511	-0.4614202	-0.5695632	-0.04650273
## 4	-0.1470269	-0.1457125	-0.5725348	-0.08952181
## 5	-0.5471152	-0.5488348	-0.5553682	-0.08016984
## 6	-0.5305406	-0.5323010	-0.5613571	-0.08110504
##	HGRE_align.H.ADC	LGSRE_align.H.ADC	HGSRE_align.H.ADC	LGHRE_align.H.ADC
## 1	-0.5745603	-0.03280154	-0.5618821	-0.18267144
## 2	-0.5854319	-0.04755818	-0.5775831	-0.17825372
## 3	-0.6087517	-0.02903388	-0.6283839	-0.15292546
## 4	-0.5810819	-0.09402591	-0.5874477	-0.05779723
## 5	-0.5828703	-0.06985013	-0.5794468	-0.15204192
## 6	-0.5771240	-0.08178103	-0.5736937	-0.08695418
##	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	
##	GLVAR_align.H.ADC	RLVAR_align.H.ADC	Entropy_align.H.ADC	SZSE.H.ADC LZSE.H.ADC

## 1	-0.5708740	-0.36484507	-0.6043268	-0.5346854	-0.6981364	
## 2	-0.5719358	-0.34004504	-0.5926918	-0.5422640	-0.6958561	
## 3	-0.5977942	0.12336936	-0.5713589	-0.6095598	0.1545871	
## 4	-0.5819026	0.05502511	-0.5597051	-0.5735377	-0.5155250	
## 5	-0.5722561	-0.19845421	-0.5843242	-0.5572108	-0.5454259	
## 6	-0.5843167	-0.12722623	-0.5780064	-0.5901219	-0.4498940	
##	LGLZE.H.ADC	HGLZE.H.ADC	SZLGE.H.ADC	SZHGE.H.ADC	LZLGE.H.ADC	LZHGE.H.ADC
## 1	0.0666177435	-0.5767674	0.155938519	-0.5473062	-0.5353574	-0.6768543
## 2	0.0001856309	-0.5725235	0.041762582	-0.5478138	-0.4547178	-0.7175082
## 3	-0.0501129685	-0.6777485	-0.064694419	-0.7376807	-0.1269569	0.9150997
## 4	-0.0861761153	-0.5757788	-0.097821522	-0.5824360	-0.2065126	-0.5488053
## 5	-0.0453678176	-0.6186968	0.006384122	-0.6369542	-0.2160507	-0.4799949
## 6	-0.1643129334	-0.5594243	-0.157321658	-0.5874992	0.2944499	-0.5599065
##	GLNU_area.H.ADC	ZSNU.H.ADC	ZSP.H.ADC	GLNU_norm.H.ADC	ZSNU_norm.H.ADC	
## 1	-0.6642705	-0.6725977	-0.5168683	-0.03152093	-0.4954016	
## 2	-0.5751688	-0.5778406	-0.5216097	-0.04041668	-0.5166242	
## 3	-0.4667660	-0.4846950	-0.6662111	-0.03316829	-0.6745847	
## 4	-0.1441447	-0.1388711	-0.5778396	-0.04239351	-0.5900432	
## 5	-0.5478389	-0.5519269	-0.5613757	-0.03876932	-0.5486951	
## 6	-0.5333562	-0.5436026	-0.5982111	-0.03975773	-0.6317154	
##	GLVAR_area.H.ADC	ZSVAR.H.ADC	Entropy_area.H.ADC	Max_cooc.W.ADC		
## 1	-0.5622214	-0.64742792	-0.6439049	0.19349133		
## 2	-0.5370231	-0.67651322	-0.6007301	0.08644844		
## 3	-0.6936563	2.35951019	-0.5334676	0.08425643		
## 4	-0.5806360	-0.24612217	-0.5508851	0.05722171		
## 5	-0.5619809	-0.24897717	-0.5892300	0.07658442		
## 6	-0.6210024	-0.09837599	-0.5535874	0.07220041		
##	Average_cooc.W.ADC	Variance_cooc.W.ADC	DAVE_cooc.W.ADC	DVAR_cooc.W.ADC		
## 1	-0.84300136	-0.0154161	-0.13255040	0.61946231		
## 2	0.11675254	-0.3782130	-0.33716774	-0.33068080		
## 3	-0.93506685	1.3339103	0.14095967	1.55899175		
## 4	0.09734604	0.2202409	-0.17910738	-0.03977472		
## 5	-0.19741735	-0.1038016	-0.04782845	-0.05742292		
## 6	0.33324944	2.4174995	0.83171075	1.81350274		
##	DENT_cooc.W.ADC	SAVE_cooc.W.ADC	SVAR_cooc.W.ADC	SENT_cooc.W.ADC		
## 1	-0.4834815	-0.8470091	-0.1239002	-0.2297138		
## 2	-0.5288387	0.1400958	-0.3998223	-1.1487708		
## 3	-0.4091896	-0.9416984	1.3894965	0.1752058		
## 4	-0.4771018	0.1201363	0.2845655	-0.0319484		
## 5	-0.4533533	-0.1830273	-0.1595859	-0.1411365		
## 6	-0.2720697	0.3627625	2.5166759	-0.7842625		
##	ASM_cooc.W.ADC	Contrast_cooc.W.ADC	Dissemblarity_cooc.W.ADC			
## 1	0.12046668	0.33932322	-0.13255040			
## 2	0.10453142	-0.27039311	-0.33716774			
## 3	0.10267849	1.02076598	0.14095967			
## 4	0.09897261	-0.01102572	-0.17910738			
## 5	0.10193731	0.08810514	-0.04782845			
## 6	0.09934320	1.85507756	0.83171075			
##	Inv_diff_cooc.W.ADC	Inv_diff_norm_cooc.W.ADC	IDM_cooc.W.ADC			
## 1	-0.1553491	-0.6079427	-0.03349743			
## 2	-0.4606680	-0.5438010	-0.49096209			
## 3	-0.3883356	-0.5742573	-0.37454564			
## 4	-0.4560997	-0.5109719	-0.44995630			
## 5	-0.5316046	-0.5551029	-0.51956613			

## 6	-0.7241103	-0.6098508	-0.69179048	
##	IDM_norm_cooc.W.ADC	Inv_var_cooc.W.ADC	Correlation_cooc.W.ADC	
## 1	-0.5973520	-0.04727434	-0.70519175	
## 2	-0.5502015	-0.51116122	-0.51902018	
## 3	-0.5799243	-0.34876260	0.09406992	
## 4	-0.5392978	-0.47829938	0.05818005	
## 5	-0.5542619	-0.57573855	-0.52509677	
## 6	-0.5872923	-0.70852330	0.19000410	
##	Autocorrelation_cooc.W.ADC	Tendency_cooc.W.ADC	Shade_cooc.W.ADC	
## 1	-0.82825568	-0.1239002	0.748492311	
## 2	0.40596504	-0.3998223	-0.849230344	
## 3	-0.81538896	1.3894965	5.445020127	
## 4	0.41742441	0.2845655	-0.006023108	
## 5	-0.06977856	-0.1595859	-0.210118336	
## 6	0.94845945	2.5166759	-1.349842393	
##	Prominence_cooc.W.ADC	IC1_d.W.ADC	IC2_d.W.ADC	Coarseness_vdif.W.ADC
## 1	-0.11542708	-0.903263171	-0.1907350	0.27382766
## 2	-0.35816223	0.001800882	-0.3183774	0.07761691
## 3	3.59414354	-0.093125575	-0.2756556	-0.04800583
## 4	0.08908301	0.541318048	-0.4760088	-0.10722798
## 5	-0.22271379	-0.075272999	-0.2837085	0.02976063
## 6	2.39969624	-1.208111301	-0.1245345	0.01689925
##	Contrast_vdif.W.ADC	Busyness_vdif.W.ADC	Complexity_vdif.W.ADC	
## 1	2.05493666	-0.3772693	-0.6073412	
## 2	-0.14928773	-0.5719455	-0.4755028	
## 3	0.18526528	-0.1397398	0.4134439	
## 4	-0.40258421	-0.3596382	0.1805608	
## 5	0.00417449	-0.5038700	-0.2096065	
## 6	0.99857484	-0.5979023	0.7943650	
##	Strength_vdif.W.ADC	SRE_align.W.ADC	LRE_align.W.ADC	GLNU_align.W.ADC
## 1	1.4669901	-0.5607394	-0.5636282	-0.6918875
## 2	0.3446350	-0.5544960	-0.5851724	-0.6123816
## 3	1.4197272	-0.5563057	-0.5759453	-0.5149668
## 4	-0.3174056	-0.5581606	-0.5711293	-0.3228389
## 5	0.3114865	-0.5550163	-0.5809744	-0.6154673
## 6	1.3787764	-0.5492932	-0.6052889	-0.6590509
##	RLNU_align.W.ADC	RP_align.W.ADC	LGRE_align.W.ADC	HGRE_align.W.ADC
## 1	-0.6585680	-0.5598492	0.102514356	-0.72391839
## 2	-0.5705684	-0.5523782	0.011942997	0.31043574
## 3	-0.4530326	-0.5552168	0.016044342	-0.74102269
## 4	-0.1392104	-0.5572378	0.066969370	0.48049736
## 5	-0.5417353	-0.5534228	0.005790981	-0.02339079
## 6	-0.5222697	-0.5454068	-0.003095266	1.12446188
##	LGSRE_align.W.ADC	HGSRE_align.W.ADC	LGHRE_align.W.ADC	HGLRE_align.W.ADC
## 1	0.10748791	-0.72254855	0.077168309	-0.72942321
## 2	0.01660389	0.31244050	-0.012162463	0.30239721
## 3	0.02037644	-0.73855319	-0.006809308	-0.74942271
## 4	0.06598993	0.48251611	0.075830020	0.47104532
## 5	0.01043064	-0.02076085	-0.018184762	-0.03187296
## 6	0.00117076	1.13430855	-0.026883639	1.08473714
##	GLNU_norm_align.W.ADC	RLNU_norm_align.W.ADC	GLVAR_align.W.ADC	
## 1	0.11990386	-0.5601024	0.0390388995	
## 2	-0.03442756	-0.5440640	-0.3518347261	
## 3	-0.08728526	-0.5487189	1.0925597603	

```
## 4      -0.16167757      -0.5538576      0.2872015907
## 5      -0.11012500      -0.5451701      -0.0005432957
## 6      -0.22269232      -0.5301456      2.1850902501
##  RLVAR_align.W.ADC Entropy_align.W.ADC SZSE.W.ADC LZSE.W.ADC LGLZE.W.ADC
## 1      -0.07189017      -0.4489178 -0.5288302 -0.6847176 0.113374483
## 2      -0.16482743      -0.5433374 -0.5737026 -0.6013426 0.022597678
## 3      -0.10788699      -0.5008749 -0.5217499 -0.4855176 0.026380045
## 4      -0.09381551      -0.3577119 -0.5381157 -0.6310472 0.053200465
## 5      -0.13472099      -0.4469533 -0.5472388 -0.5737353 0.016064499
## 6      -0.26889098      -0.2581106 -0.5320105 -0.6652514 0.006780508
##  HGLZE.W.ADC SZLGE.W.ADC SZHGE.W.ADC LZLGE.W.ADC LZHGE.W.ADC GLNU_area.W.ADC
## 1 -0.71989596 0.12431381 -0.70418503 0.01531010 -0.78023810 -0.6914700
## 2 0.30739854 0.03294163 0.30621407 -0.06733775 0.29762888 -0.6100327
## 3 -0.74098507 0.03571049 -0.74294693 -0.05805147 -0.72852195 -0.5190294
## 4 0.47987855 0.04436315 0.49296111 0.07659951 0.42004184 -0.3130419
## 5 -0.03008663 0.02636560 -0.02934976 -0.07290951 -0.01111977 -0.6144844
## 6 1.11776106 0.01667461 1.13227954 -0.08157670 1.02554608 -0.6568667
##  ZSNU.W.ADC ZSP.W.ADC GLNU_norm.W.ADC ZSNU_norm.W.ADC GLVAR_area.W.ADC
## 1 -0.6513787 -0.5068231 0.07698041 -0.4888097 0.040207659
## 2 -0.5660417 -0.5606797 -0.06244984 -0.5444800 -0.353463617
## 3 -0.4563908 -0.5221702 0.26861743 -0.5868989 1.070427270
## 4 -0.1207423 -0.5237049 -0.18723674 -0.5112910 0.284745010
## 5 -0.5366044 -0.5410354 0.27657578 -0.5328275 0.002215947
## 6 -0.5137505 -0.5128675 -0.24612851 -0.4964165 2.154394753
##  ZSVAR.W.ADC Entropy_area.W.ADC
## 1 -0.70463402 -0.7414506
## 2 -0.42606449 -0.5771180
## 3 0.09854219 -0.4508095
## 4 -0.48028511 -0.4046157
## 5 -0.23584790 -0.4859857
## 6 -0.62125871 -0.3202609
```

```
#Get the correlation of the whole data expect the categorical variables
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(caret)
```

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

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



```
cor.newdf1 = cor(df_norm)
corr = round(corr.newdf1,2) # 2 decimals
cor.newdf1
```

##	Failure	Entropy_cooc.W.ADC	GLNU_align.H.PET
## Failure	1.000000e+00	-0.3482652573	-0.2265178293
## Entropy_cooc.W.ADC	-3.482653e-01	1.0000000000	0.3920658289
## GLNU_align.H.PET	-2.265178e-01	0.3920658289	1.0000000000
## Min_hist.PET	-1.165156e-01	0.0226738158	-0.0325246954
## Max_hist.PET	-1.301441e-01	0.0778302013	0.0381311141
## Mean_hist.PET	-1.159998e-01	0.0380086084	-0.0196067417
## Variance_hist.PET	-1.153330e-01	0.0528441359	0.0020395233
## Standard_Deviation_hist.PET	-1.089448e-01	0.0463759445	-0.0043095440
## Skewness_hist.PET	-6.723148e-03	0.0324117987	-0.0147927740
## Kurtosis_hist.PET	2.057606e-02	0.0759157073	0.0707353686
## Energy_hist.PET	6.230688e-02	-0.0417727570	0.0031413591
## Entropy_hist.PET	-9.506440e-02	0.1413790919	0.0809275865
## AUC_hist.PET	-1.831508e-03	0.0374144292	-0.0213764693
## H_suv.PET	-4.687739e-02	-0.0227969854	-0.0576816449
## Volume.PET	-1.248696e-01	0.1200267157	0.1161700927
## X3D_surface.PET	-1.528965e-01	0.1755210554	0.3714542669
## ratio_3ds_vol.PET	1.267027e-01	-0.0272400673	-0.0936268234
## ratio_3ds_vol_norm.PET	4.613443e-02	0.1331012319	0.1983503966
## irregularity.PET	2.681230e-02	-0.0017390994	-0.1148695073
## tumor_length.PET	-1.118661e-01	0.2048888255	0.3097344960
## Compactness_v1.PET	-4.542873e-04	-0.0679690004	0.0035103096
## Compactness_v2.PET	-1.151043e-01	-0.1053196300	-0.1125354608
## Spherical_disproportion.PET	4.613443e-02	0.1331012319	0.1983503966
## Sphericity.PET	-1.149402e-01	-0.0977843528	-0.1390695387
## Asphericity.PET	4.698675e-02	0.1345618169	0.2033916356
## Center_of_mass.PET	-1.299026e-01	0.1659789005	0.2238240811
## Max_3D_diam.PET	-1.631243e-01	0.0934011426	0.1221569026
## Major_axis_length.PET	-1.453613e-01	0.1088344544	0.1538697843
## Minor_axis_length.PET	-1.305390e-01	0.1656382603	0.2570854471
## Least_axis_length.PET	-1.468048e-01	0.1581034170	0.2542496872
## Elongation.PET	2.432411e-02	0.0608720360	0.0262572449
## Flatness.PET	4.241142e-03	0.0665095617	0.0593347752
## Max_cooc.L.PET	5.714468e-02	-0.0242505800	0.0398181600
## Average_cooc.L.PET	8.264061e-02	-0.0510348283	-0.1493075293
## Variance_cooc.L.PET	1.233186e-01	-0.1572327620	-0.2366050629
## Entropy_cooc.L.PET	-2.893407e-03	0.0236821641	-0.0391190073
## DAVE_cooc.L.PET	1.036628e-01	-0.1460864271	-0.2268618458
## DVAR_cooc.L.PET	1.403597e-01	-0.1790076840	-0.1892491264
## DENT_cooc.L.PET	3.376572e-02	-0.0338971946	-0.1154539271
## SAVE_cooc.L.PET	8.261567e-02	-0.0510299431	-0.1494372577
## SVAR_cooc.L.PET	1.114962e-01	-0.1187634176	-0.2017104419
## SENT_cooc.L.PET	3.205810e-02	0.0273591403	-0.0503085787
## ASM_cooc.L.PET	4.822565e-02	-0.0190941005	0.0538165190
## Contrast_cooc.L.PET	1.254904e-01	-0.1971706710	-0.2602120751
## Dissimilarity_cooc.L.PET	1.036628e-01	-0.1460864271	-0.2268618458
## Inv_diff_cooc.L.PET	-6.324882e-02	0.1299146313	0.1298887389
## Inv_diff_norm_cooc.L.PET	-1.468812e-02	0.0530596003	-0.0091721314
## IDM_cooc.L.PET	-6.727807e-02	0.1378132975	0.1683383505

## IDM_norm_cooc.L.PET	-7.588976e-03	0.0423489956	-0.0236451378
## Inv_var_cooc.L.PET	-6.475932e-02	0.1396109763	0.1620086153
## Correlation_cooc.L.PET	-8.072976e-02	0.1920111696	0.1650305423
## Autocorrelation_cooc.L.PET	1.307396e-01	-0.0724378132	-0.1719101899
## Tendency_cooc.L.PET	1.114962e-01	-0.1187634176	-0.2017104419
## Shade_cooc.L.PET	-2.124395e-02	-0.0648097419	-0.1274425109
## Prominence_cooc.L.PET	1.279820e-01	-0.1491076468	-0.2274035389
## IC1_.L.PET	-7.925208e-02	0.0806435385	0.2467869240
## IC2_.L.PET	5.204255e-02	-0.0271949231	-0.1164059143
## Coarseness_vdif_.L.PET	9.368215e-02	-0.0571416740	-0.0781039061
## Contrast_vdif_.L.PET	6.888918e-02	-0.1195572183	-0.2062443202
## Busyness_vdif_.L.PET	-1.781479e-01	0.1303910862	0.2577710587
## Complexity_vdif_.L.PET	9.137460e-02	-0.1359904774	-0.2001285603
## Strength_vdif_.L.PET	1.065995e-01	-0.1168572759	-0.2697439716
## SRE_align.L.PET	7.468880e-03	0.0198852576	-0.0517682913
## LRE_align.L.PET	-2.054326e-02	0.0530616777	0.0016254587
## GLNU_align.L.PET	-1.676459e-01	0.1590118481	0.3026810400
## RLNU_align.L.PET	-1.958012e-01	0.1498184564	0.2947870886
## RP_align.L.PET	8.004722e-03	0.0183124774	-0.0537309239
## LGRE_align.L.PET	8.205698e-03	-0.0308560986	0.0188921195
## HGRE_align.L.PET	1.128979e-01	-0.0714028022	-0.1729610757
## LGSRE_align.L.PET	9.876577e-03	-0.0329862497	0.0158736908
## HGSRE_align.L.PET	1.150992e-01	-0.0742950821	-0.1777746581
## LGHRE_align.L.PET	1.825500e-03	-0.0210813784	0.0319381580
## HGLRE_align.L.PET	1.029005e-01	-0.0590080217	-0.1514895099
## GLNU_norm_align.L.PET	3.699617e-02	0.0017927883	0.0268439173
## RLNU_norm_align.L.PET	1.102797e-02	0.0123670310	-0.0609633160
## GLVAR_align.L.PET	1.199083e-01	-0.1333463964	-0.2141298085
## RLVAR_align.L.PET	-3.334588e-02	0.0975008275	0.1794060775
## Entropy_align.L.PET	-3.315599e-03	0.0299573664	-0.0360422998
## SZSE.L.PET	3.344669e-02	0.0005635674	-0.0912367220
## LZSE.L.PET	-1.023284e-01	0.1160484440	0.1571944363
## LGLZE.L.PET	7.476825e-03	-0.0238784844	0.0202348833
## HGLZE.L.PET	1.082459e-01	-0.0731101243	-0.1764480004
## SZLGE.L.PET	1.900127e-02	-0.0298522517	-0.0007235866
## SZHGE.L.PET	1.209506e-01	-0.0862659667	-0.2041362338
## LZLGE.L.PET	-3.366969e-02	0.0223066979	0.1057958162
## LZHGE.L.PET	3.004764e-02	-0.0026588986	-0.0209187341
## GLNU_area.L.PET	-1.669376e-01	0.1538111967	0.2925833565
## ZSNU.L.PET	-1.914665e-01	0.1398324765	0.2751909806
## ZSP.L.PET	2.832048e-02	-0.0025225459	-0.0934628758
## GLNU_norm.L.PET	3.520620e-02	0.0038358349	0.0293581543
## ZSNU_norm.L.PET	1.885734e-02	-0.0027533821	-0.0873385532
## GLVAR_area.L.PET	1.180745e-01	-0.1332177207	-0.2168691124
## ZSVAR.L.PET	-9.098164e-02	0.1642789036	0.2536610287
## Entropy_area.L.PET	-9.071619e-03	0.0384475518	-0.0205003582
## Max_cooc.H.PET	9.899383e-02	-0.0354044177	-0.0292833194
## Average_cooc.H.PET	3.944331e-02	0.0049380640	-0.0685128779
## Variance_cooc.H.PET	-3.517415e-02	0.0513970071	-0.0108478525
## Entropy_cooc.H.PET	-7.573169e-03	-0.0740411684	-0.0986787073
## DAVE_cooc.H.PET	1.570002e-02	-0.0317376184	-0.1060211346
## DVAR_cooc.H.PET	4.097070e-02	-0.0283639102	-0.1026686096
## DENT_cooc.H.PET	-1.123446e-01	0.1797126504	0.0855653422
## SAVE_cooc.H.PET	1.145375e-02	0.0371662885	-0.0501235572

## SVAR_cooc.H.PET	-7.935420e-02	0.1769296226	0.0790316652
## SENT_cooc.H.PET	7.828223e-03	0.0935598442	0.0611840947
## ASM_cooc.H.PET	1.235224e-01	-0.0463081806	-0.0114766628
## Contrast_cooc.H.PET	3.789049e-02	-0.0612608174	-0.1222651264
## Dissimilarity_cooc.H.PET	1.570002e-02	-0.0317376184	-0.1060211346
## Inv_diff_cooc.H.PET	5.788698e-02	0.0441756625	0.0256249367
## Inv_diff_norm_cooc.H.PET	8.355659e-04	0.0356553883	-0.0289187139
## IDM_cooc.H.PET	6.974728e-02	0.0390610310	0.0304501494
## IDM_norm_cooc.H.PET	-8.570553e-04	0.0327944781	-0.0341955035
## Inv_var_cooc.H.PET	-1.249071e-02	0.0296620476	0.0590057069
## Correlation_cooc.H.PET	-1.022556e-01	0.1942080779	0.1655138622
## Autocorrelation_cooc.H.PET	6.642853e-02	-0.0051926259	-0.0718706275
## Tendency_cooc.H.PET	-7.150651e-02	0.1076630592	0.0502983079
## Shade_cooc.H.PET	-1.435156e-02	-0.0626070149	-0.0058162866
## Prominence_cooc.H.PET	-1.037264e-01	0.1224764263	0.0854055459
## IC1_d.H.PET	9.224937e-02	-0.1810238169	-0.1496903129
## IC2_d.H.PET	-9.005601e-02	0.1544819119	0.1105323308
## Coarseness_vdif.H.PET	6.101334e-02	-0.0403828876	0.0284006140
## Contrast_vdif.H.PET	1.633405e-01	-0.0159017556	-0.1003509184
## Busyness_vdif.H.PET	-1.149550e-01	-0.0469338021	-0.0618894021
## Complexity_vdif.H.PET	1.072173e-01	0.0214626674	-0.0153710677
## Strength_vdif.H.PET	1.329307e-01	-0.1798138786	-0.0943076899
## SRE_align.H.PET	-1.065247e-02	0.0071168962	-0.0643957470
## LRE_align.H.PET	2.420089e-02	0.1030586027	0.0442810207
## RLNU_align.H.PET	-1.881192e-01	0.1446440410	0.2764805883
## RP_align.H.PET	-1.255662e-02	0.0026535664	-0.0731374029
## LGRE_align.H.PET	4.494835e-02	-0.0185128108	0.0498858194
## HGRE_align.H.PET	4.380004e-02	0.0021573817	-0.0687341246
## LGSRE_align.H.PET	4.553183e-02	-0.0193134345	0.0491896325
## HGSRE_align.H.PET	1.803097e-02	-0.0144226287	-0.0996066275
## LGHRE_align.H.PET	4.101823e-02	-0.0124068546	0.0572066147
## HGLRE_align.H.PET	8.511261e-02	0.0537910830	0.0637166305
## GLNU_norm_align.H.PET	1.233442e-01	-0.0411087191	-0.0624606143
## RLNU_norm_align.H.PET	-2.167230e-02	-0.0086139373	-0.0805360368
## GLVAR_align.H.PET	-4.165136e-02	0.0644038044	-0.0016344365
## RLVAR_align.H.PET	3.915803e-02	0.1035689108	0.1470486238
## Entropy_align.H.PET	-7.177959e-02	0.0764312544	0.0211934527
## SZSE.H.PET	-2.894193e-02	0.0004161705	-0.0786572212
## LZSE.H.PET	-4.975746e-02	0.1460568481	0.1028765896
## LGLZE.H.PET	4.575401e-02	-0.0182783558	0.0486184035
## HGLZE.H.PET	-3.458889e-03	0.0679355215	-0.0018125365
## SZLGE.H.PET	4.818280e-02	-0.0206619714	0.0468358958
## SZHGE.H.PET	-2.881456e-02	-0.0209905399	-0.1211328684
## LZLGE.H.PET	-5.443674e-02	0.1675021963	0.1721679396
## LZHGE.H.PET	1.354870e-03	0.0941835641	0.0867067565
## GLNU_area.H.PET	-1.786089e-01	0.1225619919	0.2506274877
## ZSNU.H.PET	-1.707757e-01	0.1248748489	0.2364149007
## ZSP.H.PET	-4.793235e-02	-0.0291630276	-0.1043345622
## GLNU_norm.H.PET	1.294711e-01	-0.0297212960	-0.0573175992
## ZSNU_norm.H.PET	-6.381428e-02	-0.0102831195	-0.0697100520
## GLVAR_area.H.PET	-3.529722e-02	0.0703997346	-0.0095647695
## ZSVAR.H.PET	-3.750326e-02	0.1409205354	0.1119698231
## Entropy_area.H.PET	-4.950768e-02	0.0813830491	0.0301620186
## Max_cooc.W.PET	1.063268e-01	-0.0687740649	-0.0132365000

## Average_cooc.W.PET	-9.758785e-02	0.0501092537	-0.0090793059
## Variance_cooc.W.PET	-1.099140e-01	0.0387417510	-0.0092287341
## Entropy_cooc.W.PET	-6.834709e-02	0.0408735162	-0.0180991468
## DAVE_cooc.W.PET	-6.957525e-02	-0.0279189424	-0.0779351848
## DVAR_cooc.W.PET	-8.465391e-02	-0.0264551177	-0.0685361170
## DENT_cooc.W.PET	-5.488237e-02	0.0054648133	-0.0563550595
## SAVE_cooc.W.PET	-9.770781e-02	0.0501635824	-0.0091945906
## SVAR_cooc.W.PET	-1.189943e-01	0.0683620273	0.0185640381
## SENT_cooc.W.PET	-4.638135e-02	0.0630475401	0.0005699544
## ASM_cooc.W.PET	1.084872e-01	-0.0578805994	0.0141228122
## Contrast_cooc.W.PET	-7.638271e-02	-0.0422475876	-0.0812449647
## Dissimilarity_cooc.W.PET	-6.957525e-02	-0.0279189424	-0.0779351848
## Inv_diff_cooc.W.PET	6.256973e-02	0.0405891702	0.0071562527
## Inv_diff_norm_cooc.W.PET	-1.256836e-02	0.0525274328	-0.0100205624
## IDM_cooc.W.PET	7.399159e-02	0.0401462328	0.0190101515
## IDM_norm_cooc.W.PET	-6.835824e-03	0.0422833139	-0.0240620571
## Inv_var_cooc.W.PET	6.629662e-02	0.0547572008	0.0136435571
## Correlation_cooc.W.PET	-8.397562e-02	0.1941236591	0.1654243384
## Autocorrelation_cooc.W.PET	-1.130997e-01	0.0700397262	0.0067368345
## Tendency_cooc.W.PET	-1.189943e-01	0.0683620273	0.0185640381
## Shade_cooc.W.PET	-8.048286e-02	0.0634251750	0.0283317744
## Prominence_cooc.W.PET	-8.300848e-02	0.0731527001	0.0250033804
## IC1_d.W.PET	8.031664e-02	-0.1423250936	-0.0687071095
## IC2_d.W.PET	-5.857599e-02	0.0987074358	0.0384951461
## Coarseness_vdif.W.PET	9.742076e-02	-0.0669514053	-0.1065812391
## Contrast_vdif.W.PET	1.330723e-02	-0.1335879406	-0.1805351109
## Busyness_vdif.W.PET	-2.328016e-02	0.0056216289	0.0966213093
## Complexity_vdif.W.PET	-1.114649e-01	0.0714228986	0.0434700339
## Strength_vdif.W.PET	5.918543e-03	-0.0346231966	-0.1446441796
## SRE_align.W.PET	-4.035808e-03	0.0180416280	-0.0536831070
## LRE_align.W.PET	2.449934e-02	0.0638913470	0.0296792736
## GLNU_align.W.PET	-1.725553e-01	0.1494839005	0.2991021818
## RLNU_align.W.PET	-1.913391e-01	0.1477221303	0.2863162805
## RP_align.W.PET	-6.583887e-03	0.0154643515	-0.0577911808
## LGRE_align.W.PET	9.551333e-02	-0.0639817334	-0.0588049216
## HGRE_align.W.PET	-1.156965e-01	0.0661376683	0.0044538616
## LGSRE_align.W.PET	9.461169e-02	-0.0684025321	-0.0658659071
## HGSRE_align.W.PET	-1.144895e-01	0.0635436785	0.0005638930
## LGHRE_align.W.PET	8.948496e-02	-0.0374091945	-0.0227976734
## HGLRE_align.W.PET	-1.214177e-01	0.0776625627	0.0237512148
## GLNU_norm_align.W.PET	1.248744e-01	-0.0548807583	-0.0593402156
## RLNU_norm_align.W.PET	-1.423426e-02	0.0091743377	-0.0630499353
## GLVAR_align.W.PET	-1.160747e-01	0.0540571475	0.0022673816
## RLVAR_align.W.PET	5.643720e-02	0.0784500842	0.1214692978
## Entropy_align.W.PET	-6.821983e-02	0.0663878109	0.0101516067
## SZSE.W.PET	-7.654237e-03	0.0041898673	-0.0839978346
## LZSE.W.PET	3.572485e-02	0.0700987787	0.1062491473
## LGLZE.W.PET	9.512967e-02	-0.0370860912	-0.0422869049
## HGLZE.W.PET	-1.151942e-01	0.0639418847	0.0021072423
## SZLGE.W.PET	9.083561e-02	-0.0363029003	-0.0616776098
## SZHGE.W.PET	-1.083132e-01	0.0537164713	-0.0128562732
## LZLGE.W.PET	3.381726e-02	0.0146321815	0.0269718153
## LZHGE.W.PET	-1.486579e-01	0.1433959024	0.1690093957
## GLNU_area.W.PET	-1.749538e-01	0.1369744505	0.2709316508

## ZSNU.W.PET	-1.812776e-01	0.1354123209	0.2584727733
## ZSP.W.PET	-3.351757e-02	0.0002846824	-0.0903678465
## GLNU_norm.W.PET	1.194959e-01	-0.0313651857	-0.0536759897
## ZSNU_norm.W.PET	-5.396974e-02	0.0028490084	-0.0708752208
## GLVAR_area.W.PET	-1.152008e-01	0.0565164468	0.0035357895
## ZSVAR.W.PET	3.382092e-02	0.0756604024	0.1010174765
## Entropy_area.W.PET	-5.028272e-02	0.0702915469	0.0228414871
## Min_hist.ADC	2.774124e-01	-0.1965283701	-0.2317076133
## Max_hist.ADC	-6.485081e-02	0.1838750027	0.0606767825
## Mean_hist.ADC	3.057348e-02	0.0227536929	-0.0907587764
## Variance_hist.ADC	-1.013816e-01	0.2871527041	0.1496347615
## Standard_Deviation_hist.ADC	-7.794228e-02	0.2233628234	0.0820918908
## Skewness_hist.ADC	1.255456e-01	-0.0339810154	-0.0024759333
## Kurtosis_hist.ADC	-4.813365e-02	0.0235995523	-0.0055327736
## Energy_hist.ADC	8.382165e-02	-0.0591039798	0.0290241614
## Entropy_hist.ADC	-9.225519e-02	0.1642691165	0.0481227081
## AUC_hist.ADC	-1.019534e-05	0.0305517423	-0.0290627065
## Volume.ADC	-1.318768e-01	0.0971700140	0.1129784573
## X3D_surface.ADC	-2.027499e-01	0.2646027604	0.2165523335
## ratio_3ds_vol.ADC	2.147902e-01	-0.2298464511	-0.2262413052
## ratio_3ds_vol_norm.ADC	-5.065018e-02	0.0701442246	-0.0348234748
## irregularity.ADC	8.211329e-02	-0.0630441238	-0.1036561352
## Compactness_v1.ADC	6.710611e-02	-0.0375497609	0.0200176349
##	Min_hist.PET	Max_hist.PET	Mean_hist.PET
## Failure	-0.116515609	-0.13014410	-0.115999809
## Entropy_cooc.W.ADC	0.022673816	0.07783020	0.038008608
## GLNU_align.H.PET	-0.032524695	0.03813111	-0.019606742
## Min_hist.PET	1.000000000	0.91498548	0.982858530
## Max_hist.PET	0.914985485	1.000000000	0.952300130
## Mean_hist.PET	0.982858530	0.95230013	1.000000000
## Variance_hist.PET	0.783240617	0.87949455	0.845092458
## Standard_Deviation_hist.PET	0.899826088	0.96694266	0.949616606
## Skewness_hist.PET	0.142272357	0.24719787	0.089430045
## Kurtosis_hist.PET	-0.044364647	0.12487798	-0.068072005
## Energy_hist.PET	0.093492881	0.07610862	0.075487953
## Entropy_hist.PET	0.560827587	0.63951438	0.583094476
## AUC_hist.PET	0.509900640	0.53403640	0.509410593
## H_suv.PET	0.860016880	0.86792887	0.898991555
## Volume.PET	0.370172985	0.49736227	0.411817916
## X3D_surface.PET	0.247804568	0.38580998	0.285816757
## ratio_3ds_vol.PET	0.132382670	0.08168377	0.085932915
## ratio_3ds_vol_norm.PET	0.204278803	0.31688597	0.217184846
## irregularity.PET	0.473574491	0.45131053	0.452993829
## tumor_length.PET	0.395421143	0.57407762	0.451696056
## Compactness_v1.PET	0.243878337	0.26859504	0.248981629
## Compactness_v2.PET	0.329063864	0.34765944	0.350748669
## Spherical_disproportion.PET	0.204278803	0.31688597	0.217184846
## Sphericity.PET	0.322074185	0.33307702	0.339866504
## Asphericity.PET	0.190492302	0.30461214	0.203605899
## Center_of_mass.PET	0.252663404	0.47352563	0.312720962
## Max_3D_diam.PET	0.506372476	0.65024443	0.557559025
## Major_axis_length.PET	0.562224132	0.70121025	0.614847672
## Minor_axis_length.PET	0.468877242	0.64605699	0.520950692
## Least_axis_length.PET	0.470103907	0.63851982	0.528064622

## Elongation.PET	0.329084394	0.33005520	0.317257304
## Flatness.PET	0.357428681	0.36552844	0.356715283
## Max_cooc.L.PET	0.104573457	0.12923469	0.097472407
## Average_cooc.L.PET	0.442019946	0.33062405	0.454620600
## Variance_cooc.L.PET	0.299686491	0.10524439	0.250661486
## Entropy_cooc.L.PET	0.556147201	0.55265625	0.565958458
## DAVE_cooc.L.PET	0.416361907	0.24424278	0.375316097
## DVAR_cooc.L.PET	0.388012029	0.27205904	0.343236218
## DENT_cooc.L.PET	0.533875969	0.47830951	0.521075197
## SAVE_cooc.L.PET	0.442082774	0.33062167	0.454692884
## SVAR_cooc.L.PET	0.267531573	0.10009007	0.226522839
## SENT_cooc.L.PET	0.495175971	0.47460269	0.490193645
## ASM_cooc.L.PET	0.102547751	0.12280618	0.097785520
## Contrast_cooc.L.PET	0.310408948	0.09923736	0.255248792
## Dissimilarity_cooc.L.PET	0.416361907	0.24424278	0.375316097
## Inv_diff_cooc.L.PET	0.415557960	0.58105018	0.442069168
## Inv_diff_norm_cooc.L.PET	0.525623847	0.57215303	0.532692128
## IDM_cooc.L.PET	0.346252547	0.54000379	0.375522642
## IDM_norm_cooc.L.PET	0.528514723	0.56133782	0.533094420
## Inv_var_cooc.L.PET	0.354494263	0.54724199	0.384149619
## Correlation_cooc.L.PET	0.241197304	0.39119493	0.276372966
## Autocorrelation_cooc.L.PET	0.282148824	0.13751375	0.297567162
## Tendency_cooc.L.PET	0.267531573	0.10009007	0.226522839
## Shade_cooc.L.PET	0.121624503	0.07613618	0.053499729
## Prominence_cooc.L.PET	0.134180476	-0.04400330	0.069692045
## IC1_.L.PET	-0.058943762	0.05809527	-0.008988313
## IC2_.L.PET	0.384550109	0.34043623	0.363584641
## Coarseness_vdif_.L.PET	0.068999848	0.01545585	0.041235239
## Contrast_vdif_.L.PET	0.096938427	-0.06495848	0.033934932
## Busyness_vdif_.L.PET	0.321549690	0.50048922	0.357239089
## Complexity_vdif_.L.PET	0.407779669	0.25337975	0.353351863
## Strength_vdif_.L.PET	0.008496611	-0.12871552	-0.076384634
## SRE_align.L.PET	0.531159860	0.53901533	0.529853961
## LRE_align.L.PET	0.524019605	0.57397900	0.532020533
## GLNU_align.L.PET	0.295773237	0.50988706	0.345506711
## RLNU_align.L.PET	0.337855402	0.50068643	0.394824555
## RP_align.L.PET	0.530715152	0.53575420	0.528788235
## LGRE_align.L.PET	0.263137815	0.30369098	0.203350539
## HGRE_align.L.PET	0.314227220	0.16394425	0.326486909
## LGSRE_align.L.PET	0.267408603	0.30316822	0.207182527
## HGSRE_align.L.PET	0.312743366	0.16004049	0.323443044
## LGHRE_align.L.PET	0.243276104	0.30434441	0.186256532
## HGLRE_align.L.PET	0.319599139	0.17981860	0.338220754
## GLNU_norm_align.L.PET	0.228319393	0.28839946	0.210188400
## RLNU_norm_align.L.PET	0.529276539	0.52498116	0.525323298
## GLVAR_align.L.PET	0.326199029	0.13907810	0.291565808
## RLVAR_align.L.PET	0.250265586	0.41872428	0.281175449
## Entropy_align.L.PET	0.551993379	0.55484364	0.564161398
## SZSE.L.PET	0.528420578	0.52256882	0.523924329
## LZSE.L.PET	0.331836365	0.44533197	0.356130315
## LGLZE.L.PET	0.270760891	0.30705796	0.210619981
## HGLZE.L.PET	0.322667961	0.17180342	0.333537188
## SZLGE.L.PET	0.282722938	0.30123957	0.221092568
## SZHGE.L.PET	0.326208758	0.17022767	0.332026094

## LZLGE.L.PET	0.167525646	0.29344548	0.128637265
## LZHGE.L.PET	0.246403966	0.15600454	0.276614161
## GLNU_area.L.PET	0.305802543	0.51045421	0.354923793
## ZSNU.L.PET	0.347356449	0.49715733	0.403099379
## ZSP.L.PET	0.529815448	0.51095296	0.522243616
## GLNU_norm.L.PET	0.228310274	0.28766307	0.210836049
## ZSNU_norm.L.PET	0.526114642	0.49497273	0.516506736
## GLVAR_area.L.PET	0.337233078	0.15238454	0.303225601
## ZSVAR.L.PET	0.177237816	0.42859772	0.232478999
## Entropy_area.L.PET	0.553767051	0.57219192	0.568831499
## Max_cooc.H.PET	-0.338194301	-0.36516380	-0.382715595
## Average_cooc.H.PET	0.385561890	0.38352792	0.371385761
## Variance_cooc.H.PET	0.728662440	0.76061152	0.767918251
## Entropy_cooc.H.PET	0.697201827	0.72056835	0.709253850
## DAVE_cooc.H.PET	0.686844846	0.64683591	0.690417041
## DVAR_cooc.H.PET	0.618885758	0.58281848	0.633257031
## DENT_cooc.H.PET	0.611790265	0.61649802	0.611715641
## SAVE_cooc.H.PET	0.448835100	0.45459249	0.442391727
## SVAR_cooc.H.PET	0.659693556	0.70240772	0.688870337
## SENT_cooc.H.PET	0.608416234	0.62665250	0.625060464
## ASM_cooc.H.PET	-0.319828293	-0.33422978	-0.350057624
## Contrast_cooc.H.PET	0.674853453	0.61464993	0.682919720
## Dissimilarity_cooc.H.PET	0.686844846	0.64683591	0.690417041
## Inv_diff_cooc.H.PET	-0.115347541	-0.08234559	-0.134246101
## Inv_diff_norm_cooc.H.PET	0.485659337	0.51115735	0.485630125
## IDM_cooc.H.PET	-0.233503207	-0.20563943	-0.256516056
## IDM_norm_cooc.H.PET	0.510537722	0.53267287	0.510728021
## Inv_var_cooc.H.PET	0.427899520	0.50003999	0.441325213
## Correlation_cooc.H.PET	0.306630309	0.45893102	0.349554629
## Autocorrelation_cooc.H.PET	0.248614247	0.24337449	0.227507572
## Tendency_cooc.H.PET	0.692603958	0.77147476	0.745200518
## Shade_cooc.H.PET	-0.370385099	-0.40911321	-0.441048226
## Prominence_cooc.H.PET	0.706962095	0.80575031	0.785179283
## IC1_d.H.PET	0.132931690	0.01248215	0.104427692
## IC2_d.H.PET	0.433180802	0.56209318	0.466982296
## Coarseness_vdif.H.PET	0.110841015	0.11180287	0.101867512
## Contrast_vdif.H.PET	-0.275401784	-0.33132541	-0.294821723
## Busyness_vdif.H.PET	0.091467174	0.14888395	0.103644179
## Complexity_vdif.H.PET	0.368003222	0.29978040	0.351668165
## Strength_vdif.H.PET	-0.099861290	-0.14444194	-0.124738425
## SRE_align.H.PET	0.662552022	0.66852882	0.665927930
## LRE_align.H.PET	-0.087926352	-0.05189913	-0.095986857
## RLNU_align.H.PET	0.414139015	0.57035156	0.473201037
## RP_align.H.PET	0.687472635	0.68833649	0.690978467
## LGRE_align.H.PET	0.159156752	0.18452315	0.167069337
## HGRE_align.H.PET	0.271715141	0.26935293	0.250858019
## LGSRE_align.H.PET	0.157877841	0.18243996	0.165384323
## HGSRE_align.H.PET	0.456485006	0.44405599	0.434642712
## LGHRE_align.H.PET	0.158756936	0.18914098	0.168724871
## HGLRE_align.H.PET	-0.253360971	-0.23325454	-0.263209361
## GLNU_norm_align.H.PET	-0.271124745	-0.30109797	-0.319484717
## RLNU_norm_align.H.PET	0.756590490	0.74909586	0.762382465
## GLVAR_align.H.PET	0.728209066	0.77292554	0.777890165
## RLVAR_align.H.PET	-0.378766528	-0.33255251	-0.384819385

## Entropy_align.H.PET	0.750045014	0.81457130	0.787872106
## SZSE.H.PET	0.778522764	0.78896927	0.788423067
## LZSE.H.PET	-0.222921001	-0.21316813	-0.223305021
## LGLZE.H.PET	0.161610069	0.18845677	0.171441674
## HGLZE.H.PET	0.281676325	0.31596193	0.263963966
## SZLGE.H.PET	0.156026087	0.18103122	0.164268238
## SZHGE.H.PET	0.607849840	0.59800944	0.578660967
## LZLGE.H.PET	-0.256389411	-0.23252151	-0.251984357
## LZHGE.H.PET	-0.265436182	-0.25710846	-0.264740700
## GLNU_area.H.PET	0.297457908	0.46136178	0.343699397
## ZSNU.H.PET	0.490126505	0.62016539	0.547443865
## ZSP.H.PET	0.861632273	0.84671553	0.874474150
## GLNU_norm.H.PET	-0.273569999	-0.30350734	-0.314580939
## ZSNU_norm.H.PET	0.853524933	0.85112658	0.865988015
## GLVAR_area.H.PET	0.715200663	0.76734838	0.768189080
## ZSVAR.H.PET	-0.252561578	-0.24119151	-0.251990249
## Entropy_area.H.PET	0.627535202	0.69689090	0.657513069
## Max_cooc.W.PET	-0.230151954	-0.25023273	-0.263525710
## Average_cooc.W.PET	0.890863939	0.94569856	0.958377160
## Variance_cooc.W.PET	0.774783104	0.86373395	0.827721889
## Entropy_cooc.W.PET	0.819415213	0.85935477	0.849988035
## DAVE_cooc.W.PET	0.909253248	0.90869773	0.938705457
## DVAR_cooc.W.PET	0.816368095	0.86264304	0.861373456
## DENT_cooc.W.PET	0.839206790	0.85280725	0.857230950
## SAVE_cooc.W.PET	0.890858782	0.94567354	0.958393856
## SVAR_cooc.W.PET	0.724775680	0.83817739	0.781315918
## SENT_cooc.W.PET	0.762481249	0.80118321	0.783603022
## ASM_cooc.W.PET	-0.150248099	-0.15332997	-0.170283627
## Contrast_cooc.W.PET	0.836399684	0.85336602	0.875184963
## Dissimilarity_cooc.W.PET	0.909253248	0.90869773	0.938705457
## Inv_diff_cooc.W.PET	-0.063614859	-0.03947257	-0.082059311
## Inv_diff_norm_cooc.W.PET	0.520318552	0.56561629	0.526806951
## IDM_cooc.W.PET	-0.214228979	-0.19038690	-0.235443991
## IDM_norm_cooc.W.PET	0.527460526	0.55957628	0.531733573
## Inv_var_cooc.W.PET	-0.146175729	-0.11938075	-0.165853137
## Correlation_cooc.W.PET	0.253665273	0.40504898	0.289587925
## Autocorrelation_cooc.W.PET	0.796659234	0.87817214	0.876467647
## Tendency_cooc.W.PET	0.724775680	0.83817739	0.781315918
## Shade_cooc.W.PET	0.281244153	0.45993903	0.325927470
## Prominence_cooc.W.PET	0.278820881	0.45712267	0.338795085
## IC1_d.W.PET	0.002288880	-0.08944873	-0.019423392
## IC2_d.W.PET	0.514625845	0.60822477	0.539146633
## Coarseness_vdif.W.PET	0.041726300	-0.03369932	0.005501689
## Contrast_vdif.W.PET	0.776187372	0.65715807	0.763352105
## Busyness_vdif.W.PET	-0.332083029	-0.31993670	-0.349207902
## Complexity_vdif.W.PET	0.606089100	0.78853393	0.679734909
## Strength_vdif.W.PET	0.464696270	0.45605240	0.421440955
## SRE_align.W.PET	0.599759054	0.61106911	0.601443437
## LRE_align.W.PET	0.168584759	0.20224812	0.165533910
## GLNU_align.W.PET	0.100066322	0.27976872	0.137103209
## RLNU_align.W.PET	0.377758728	0.54053007	0.435895210
## RP_align.W.PET	0.618886303	0.62779998	0.620756360
## LGRE_align.W.PET	-0.218487945	-0.26688316	-0.292085390
## HGRE_align.W.PET	0.798539742	0.88367875	0.878732109

## LGSRE_align.W.PET	-0.181493015	-0.23429349	-0.257717121
## HGSRE_align.W.PET	0.799289473	0.88295241	0.878316512
## LGHRE_align.W.PET	-0.328860250	-0.35820983	-0.386849701
## HGLRE_align.W.PET	0.791566130	0.88348255	0.876722055
## GLNU_norm_align.W.PET	-0.239882621	-0.26844436	-0.285946808
## RLNU_norm_align.W.PET	0.674506693	0.67891363	0.677715906
## GLVAR_align.W.PET	0.781536390	0.87997712	0.844085350
## RLVAR_align.W.PET	-0.349690554	-0.30285636	-0.355193236
## Entropy_align.W.PET	0.761391514	0.81904122	0.796449873
## SZSE.W.PET	0.686416060	0.69317430	0.689667885
## LZSE.W.PET	-0.350582526	-0.33889548	-0.355343303
## LGLZE.W.PET	-0.220091936	-0.26276764	-0.288194244
## HGLZE.W.PET	0.799624263	0.88868599	0.878562425
## SZLGE.W.PET	-0.113718479	-0.15776748	-0.181879328
## SZHGE.W.PET	0.799781187	0.88492524	0.874492455
## LZLGE.W.PET	-0.296797847	-0.30319910	-0.312419391
## LZHGE.W.PET	0.546461937	0.65885751	0.641240621
## GLNU_area.W.PET	0.191723922	0.36644034	0.232551237
## ZSNU.W.PET	0.436059596	0.58305234	0.493273893
## ZSP.W.PET	0.783070893	0.78146563	0.789181553
## GLNU_norm.W.PET	-0.240830702	-0.26820249	-0.283416797
## ZSNU_norm.W.PET	0.793258444	0.79114000	0.799595281
## GLVAR_area.W.PET	0.777802327	0.88144837	0.841191960
## ZSVAR.W.PET	-0.360762970	-0.35076337	-0.364383286
## Entropy_area.W.PET	0.680103964	0.74468930	0.711919053
## Min_hist.ADC	0.172450730	0.11427985	0.157360852
## Max_hist.ADC	0.455661442	0.52033662	0.463312971
## Mean_hist.ADC	0.441683971	0.44289012	0.420240061
## Variance_hist.ADC	0.190536909	0.25484624	0.187590541
## Standard_Deviation_hist.ADC	0.351801233	0.40701091	0.350737242
## Skewness_hist.ADC	0.141520159	0.21254828	0.190256683
## Kurtosis_hist.ADC	0.166240311	0.23436659	0.192259229
## Energy_hist.ADC	0.099611369	0.10936513	0.095457885
## Entropy_hist.ADC	0.556745219	0.59272565	0.562063723
## AUC_hist.ADC	0.526565510	0.55932817	0.540182588
## Volume.ADC	0.347484769	0.47012632	0.387463455
## X3D_surface.ADC	0.284925440	0.38532607	0.318968547
## ratio_3ds_vol.ADC	0.241582776	0.19254123	0.218612893
## ratio_3ds_vol_norm.ADC	0.507783990	0.54810318	0.510031443
## irregularity.ADC	0.489784558	0.49197434	0.491089370
## Compactness_v1.ADC	0.261766118	0.26700051	0.259077102
##	Variance_hist.PET	Standard_Deviation_hist.PET	
## Failure	-0.1153329654	-0.1089448060	
## Entropy_cooc.W.ADC	0.0528441359	0.0463759445	
## GLNU_align.H.PET	0.0020395233	-0.0043095440	
## Min_hist.PET	0.7832406169	0.8998260876	
## Max_hist.PET	0.8794945534	0.9669426639	
## Mean_hist.PET	0.8450924583	0.9496166061	
## Variance_hist.PET	1.0000000000	0.9238774512	
## Standard_Deviation_hist.PET	0.9238774512	1.0000000000	
## Skewness_hist.PET	0.0332192813	0.1760289037	
## Kurtosis_hist.PET	-0.0655303118	-0.0201883409	
## Energy_hist.PET	-0.0035015184	0.1018627920	
## Entropy_hist.PET	0.3546518497	0.5906421534	

## AUC_hist.PET	0.2488821556	0.5234962088
## H_suv.PET	0.8091777184	0.9260822250
## Volume.PET	0.3208236397	0.3949325770
## X3D_surface.PET	0.2735512408	0.3249235631
## ratio_3ds_vol.PET	-0.0153244278	0.1205251387
## ratio_3ds_vol_norm.PET	0.1911008865	0.3166071495
## irregularity.PET	0.1889095847	0.4506793580
## tumor_length.PET	0.3747882492	0.5241545451
## Compactness_v1.PET	0.1305559119	0.2694061734
## Compactness_v2.PET	0.2302421530	0.2974937836
## Spherical_disproportion.PET	0.1911008865	0.3166071495
## Sphericity.PET	0.2083448849	0.2832474669
## Asphericity.PET	0.1858124549	0.3046108175
## Center_of_mass.PET	0.4848135938	0.4841665192
## Max_3D_diam.PET	0.4381429059	0.5480992145
## Major_axis_length.PET	0.5008887856	0.6045172079
## Minor_axis_length.PET	0.3763868952	0.5615902989
## Least_axis_length.PET	0.4139134486	0.5632132837
## Elongation.PET	0.0641023998	0.3359658626
## Flatness.PET	0.1247607240	0.3755061171
## Max_cooc.L.PET	0.0310865211	0.1407007352
## Average_cooc.L.PET	0.1866887024	0.4120112179
## Variance_cooc.L.PET	0.0432815817	0.2211220792
## Entropy_cooc.L.PET	0.2917595516	0.5683123399
## DAVE_cooc.L.PET	0.1037838183	0.3308185999
## DVAR_cooc.L.PET	0.1388972653	0.3329286378
## DENT_cooc.L.PET	0.2352068138	0.5099447370
## SAVE_cooc.L.PET	0.1867251819	0.4120154923
## SVAR_cooc.L.PET	0.0488122760	0.2152812243
## SENT_cooc.L.PET	0.2314454220	0.4982005680
## ASM_cooc.L.PET	0.0338398193	0.1392564753
## Contrast_cooc.L.PET	0.0286652256	0.2006103533
## Dissimilarity_cooc.L.PET	0.1037838183	0.3308185999
## Inv_diff_cooc.L.PET	0.2856161171	0.5013062058
## Inv_diff_norm_cooc.L.PET	0.2784910809	0.5495334867
## IDM_cooc.L.PET	0.2640502489	0.4489770868
## IDM_norm_cooc.L.PET	0.2724045532	0.5459073994
## Inv_var_cooc.L.PET	0.2708067579	0.4566074941
## Correlation_cooc.L.PET	0.2118324685	0.3510317298
## Autocorrelation_cooc.L.PET	0.0832686382	0.2463837789
## Tendency_cooc.L.PET	0.0488122760	0.2152812243
## Shade_cooc.L.PET	0.0656735734	0.1262970981
## Prominence_cooc.L.PET	-0.0425188325	0.0674138954
## IC1_.L.PET	0.0652576960	0.0051103784
## IC2_.L.PET	0.1560068873	0.3833720227
## Coarseness_vdif_.L.PET	-0.0523441173	0.0558382045
## Contrast_vdif_.L.PET	-0.0995938362	-0.0330461136
## Busyness_vdif_.L.PET	0.3172974765	0.3992021291
## Complexity_vdif_.L.PET	0.1005497232	0.3164310092
## Strength_vdif_.L.PET	-0.1664591289	-0.1050892999
## SRE_align.L.PET	0.2594779500	0.5357091527
## LRE_align.L.PET	0.2807143529	0.5509401141
## GLNU_align.L.PET	0.3277311229	0.3880282272
## RLNU_align.L.PET	0.3621028390	0.4157226448

## RP_align.L.PET	0.2570944974	0.5337342876
## LGRE_align.L.PET	0.0805737195	0.2480394239
## HGRE_align.L.PET	0.0967108177	0.2686984716
## LGSRE_align.L.PET	0.0802566761	0.2498867958
## HGSRE_align.L.PET	0.0937690612	0.2655151877
## LGHRE_align.L.PET	0.0820409238	0.2395518059
## HGLRE_align.L.PET	0.1087092746	0.2812682169
## GLNU_norm_align.L.PET	0.0835661025	0.2560424908
## RLNU_norm_align.L.PET	0.2499801701	0.5275176290
## GLVAR_align.L.PET	0.0674112523	0.2549300532
## RLVAR_align.L.PET	0.2149132580	0.3619607070
## Entropy_align.L.PET	0.2939398233	0.5673752050
## SZSE.L.PET	0.2576391198	0.5259338305
## LZSE.L.PET	0.2083387951	0.3964028951
## LGLZE.L.PET	0.0758069670	0.2487781384
## HGLZE.L.PET	0.1030376663	0.2773690741
## SZLGE.L.PET	0.0736422560	0.2500346081
## SZHGE.L.PET	0.1043799900	0.2763160981
## LZLGE.L.PET	0.0964182052	0.2122931700
## LZHGE.L.PET	0.0860171323	0.2327138963
## GLNU_area.L.PET	0.3310807391	0.3929065205
## ZSNU.L.PET	0.3618478791	0.4178117297
## ZSP.L.PET	0.2466832987	0.5195361029
## GLNU_norm.L.PET	0.0831520641	0.2563552021
## ZSNU_norm.L.PET	0.2334708183	0.5107152552
## GLVAR_area.L.PET	0.0781145675	0.2676925929
## ZSVAR.L.PET	0.2423504830	0.3320548255
## Entropy_area.L.PET	0.3046686823	0.5769031719
## Max_cooc.H.PET	-0.4257960104	-0.3908584749
## Average_cooc.H.PET	0.1086091123	0.3727734838
## Variance_cooc.H.PET	0.5219291277	0.7717421036
## Entropy_cooc.H.PET	0.4979995006	0.7227628273
## DAVE_cooc.H.PET	0.3895631449	0.6672052270
## DVAR_cooc.H.PET	0.3447623174	0.6026519437
## DENT_cooc.H.PET	0.3359292426	0.5881036287
## SAVE_cooc.H.PET	0.1757087919	0.4506231502
## SVAR_cooc.H.PET	0.4440262209	0.6854672339
## SENT_cooc.H.PET	0.4851769192	0.6753893521
## ASM_cooc.H.PET	-0.3786526596	-0.3511995249
## Contrast_cooc.H.PET	0.3917049259	0.6471823553
## Dissimilarity_cooc.H.PET	0.3895631449	0.6672052270
## Inv_diff_cooc.H.PET	-0.2712918277	-0.1200265948
## Inv_diff_norm_cooc.H.PET	0.2315479731	0.4992706588
## IDM_cooc.H.PET	-0.3687798558	-0.2459042695
## IDM_norm_cooc.H.PET	0.2505736356	0.5225744954
## Inv_var_cooc_.H.PET	0.3967306798	0.5183136469
## Correlation_cooc.H.PET	0.2828886656	0.4244386773
## Autocorrelation_cooc.H.PET	-0.0099107478	0.2290761591
## Tendency_cooc.H.PET	0.5456312018	0.7700465657
## Shade_cooc.H.PET	-0.2601059301	-0.4213975306
## Prominence_cooc.H.PET	0.6423778764	0.8064986784
## IC1_d.H.PET	0.0410007228	0.0498570704
## IC2_d.H.PET	0.3619565422	0.5388682247
## Coarseness_vdif.H.PET	0.0363530088	0.1388963999

## Contrast_vdif.H.PET	-0.3680006618	-0.3317430293
## Busyness_vdif.H.PET	0.0235798990	0.0955535234
## Complexity_vdif.H.PET	0.1438951112	0.3478684871
## Strength_vdif.H.PET	-0.1195072242	-0.1406318248
## SRE_align.H.PET	0.3968898287	0.6728545872
## LRE_align.H.PET	-0.2351837940	-0.0857115379
## RLNU_align.H.PET	0.4511011714	0.4910112461
## RP_align.H.PET	0.4243175526	0.6966466998
## LGRE_align.H.PET	0.1020885440	0.2100226250
## HGRE_align.H.PET	0.0070113547	0.2472334507
## LGSRE_align.H.PET	0.1008129849	0.2081028726
## HGSRE_align.H.PET	0.1658165335	0.4306024987
## LGHRE_align.H.PET	0.1019344415	0.2133166752
## HGLRE_align.H.PET	-0.3429353614	-0.2603889995
## GLNU_norm_align.H.PET	-0.4417651564	-0.3284426756
## RLNU_norm_align.H.PET	0.5059221403	0.7673451137
## GLVAR_align.H.PET	0.5388071674	0.7816088560
## RLVAR_align.H.PET	-0.4165930490	-0.3668083389
## Entropy_align.H.PET	0.5771808803	0.8132192239
## SZSE.H.PET	0.5557297062	0.8029211099
## LZSE.H.PET	-0.1729553197	-0.2118259301
## LGLZE.H.PET	0.1060084257	0.2144334387
## HGLZE.H.PET	0.0522213975	0.2983904472
## SZLGE.H.PET	0.1005335063	0.2071943664
## SZHGE.H.PET	0.3532372353	0.5917623282
## LZLGE.H.PET	-0.2051559611	-0.2311974510
## LZHGE.H.PET	-0.2075915543	-0.2554565075
## GLNU_area.H.PET	0.2762021163	0.3671557743
## ZSNU.H.PET	0.5425406387	0.5534003423
## ZSP.H.PET	0.6888121142	0.8835813726
## GLNU_norm.H.PET	-0.4401150063	-0.3221524070
## ZSNU_norm.H.PET	0.6726570727	0.8810589070
## GLVAR_area.H.PET	0.5336335165	0.7744627908
## ZSVAR.H.PET	-0.1967914608	-0.2406688044
## Entropy_area.H.PET	0.4259825074	0.6805261539
## Max_cooc.W.PET	-0.3069873910	-0.2584345742
## Average_cooc.W.PET	0.8836004656	0.9711982410
## Variance_cooc.W.PET	0.9946819896	0.9175216121
## Entropy_cooc.W.PET	0.6373050483	0.8695283475
## DAVE_cooc.W.PET	0.8450056627	0.9604929886
## DVAR_cooc.W.PET	0.9569849320	0.9237305744
## DENT_cooc.W.PET	0.6427950764	0.8730848764
## SAVE_cooc.W.PET	0.8837259311	0.9711337392
## SVAR_cooc.W.PET	0.9861840585	0.8857419848
## SENT_cooc.W.PET	0.5773955851	0.8163006511
## ASM_cooc.W.PET	-0.2130899354	-0.1508436058
## Contrast_cooc.W.PET	0.9280544580	0.9186162612
## Dissimilarity_cooc.W.PET	0.8450056627	0.9604929886
## Inv_diff_cooc.W.PET	-0.2723997778	-0.0764734657
## Inv_diff_norm_cooc.W.PET	0.2722217395	0.5430152040
## IDM_cooc.W.PET	-0.3801782483	-0.2298114352
## IDM_norm_cooc.W.PET	0.2705304854	0.5441214941
## Inv_var_cooc.W.PET	-0.3395631917	-0.1599115465
## Correlation_cooc.W.PET	0.2251792069	0.3653058677

## Autocorrelation_cooc.W.PET	0.9509764693	0.9007493062
## Tendency_cooc.W.PET	0.9861840585	0.8857419848
## Shade_cooc.W.PET	0.7204030131	0.5159769990
## Prominence_cooc.W.PET	0.7357059000	0.5087835743
## IC1_d.W.PET	-0.0904914334	-0.0814139274
## IC2_d.W.PET	0.4149086358	0.6124430999
## Coarseness_vdif.W.PET	-0.0947427678	0.0003701983
## Contrast_vdif.W.PET	0.6451924508	0.7617389901
## Busyness_vdif.W.PET	-0.4141954701	-0.3500031529
## Complexity_vdif.W.PET	0.9364520372	0.7924897197
## Strength_vdif.W.PET	0.4828347503	0.4930642002
## SRE_align.W.PET	0.3316492741	0.6091341522
## LRE_align.W.PET	-0.0445010199	0.1779289471
## GLNU_align.W.PET	0.0701742452	0.1680403189
## RLNU_align.W.PET	0.4109430286	0.4569468798
## RP_align.W.PET	0.3507667441	0.6277652724
## LGRE_align.W.PET	-0.4146985562	-0.2977959141
## HGRE_align.W.PET	0.9523260427	0.9036463599
## LGSRE_align.W.PET	-0.3957514705	-0.2637181608
## HGSRE_align.W.PET	0.9550964482	0.9040864216
## LGHRE_align.W.PET	-0.4449843475	-0.3892301151
## HGLRE_align.W.PET	0.9377462247	0.8985281821
## GLNU_norm_align.W.PET	-0.4000996854	-0.2884816690
## RLNU_norm_align.W.PET	0.4099867968	0.6845048909
## GLVAR_align.W.PET	0.9999534765	0.9235004467
## RLVAR_align.W.PET	-0.3981162964	-0.3317860368
## Entropy_align.W.PET	0.5791439946	0.8186620666
## SZSE.W.PET	0.4344216257	0.6974019382
## LZSE.W.PET	-0.3400731283	-0.3477999438
## LGLZE.W.PET	-0.4175827833	-0.2928113391
## HGLZE.W.PET	0.9608585235	0.9102743701
## SZLGE.W.PET	-0.3386873338	-0.1823272578
## SZHGE.W.PET	0.9677482290	0.9094535024
## LZLGE.W.PET	-0.2690592069	-0.3105933258
## LZHGE.W.PET	0.6693269680	0.6632609322
## GLNU_area.W.PET	0.1615836736	0.2601094166
## ZSNU.W.PET	0.4764930074	0.5071380094
## ZSP.W.PET	0.5440144066	0.7942704176
## GLNU_norm.W.PET	-0.4019280941	-0.2853152952
## ZSNU_norm.W.PET	0.5607677739	0.8066827146
## GLVAR_area.W.PET	0.9993957292	0.9239326281
## ZSVAR.W.PET	-0.3234362733	-0.3561741435
## Entropy_area.W.PET	0.4848108455	0.7358894709
## Min_hist.ADC	0.0476039663	0.1073461522
## Max_hist.ADC	0.2451666683	0.4826157017
## Mean_hist.ADC	0.1618335111	0.4063969831
## Variance_hist.ADC	0.1020857941	0.2028767846
## Standard_Deviation_hist.ADC	0.1846021142	0.3669900282
## Skewness_hist.ADC	0.2125328153	0.2247090182
## Kurtosis_hist.ADC	0.1863281363	0.2578871775
## Energy_hist.ADC	0.0268732721	0.1352560392
## Entropy_hist.ADC	0.3005748063	0.5689472413
## AUC_hist.ADC	0.2926237065	0.5573880694
## Volume.ADC	0.2995951133	0.3700437865

## X3D_surface.ADC	0.2144343843		0.3486487153
## ratio_3ds_vol.ADC	0.0472288985		0.2097357262
## ratio_3ds_vol_norm.ADC	0.2520959049		0.5216787809
## irregularity.ADC	0.2440181584		0.4992891420
## Compactness_v1.ADC	0.1162359498		0.2909719288
##	Skewness_hist.PET	Kurtosis_hist.PET	Energy_hist.PET
## Failure	-0.0067231481	2.057606e-02	0.0623068818
## Entropy_cooc.W.ADC	0.0324117987	7.591571e-02	-0.0417727570
## GLNU_align.H.PET	-0.0147927740	7.073537e-02	0.0031413591
## Min_hist.PET	0.1422723566	-4.436465e-02	0.0934928810
## Max_hist.PET	0.2471978715	1.248780e-01	0.0761086158
## Mean_hist.PET	0.0894300450	-6.807200e-02	0.0754879525
## Variance_hist.PET	0.0332192813	-6.553031e-02	-0.0035015184
## Standard_Deviation_hist.PET	0.1760289037	-2.018834e-02	0.1018627920
## Skewness_hist.PET	1.0000000000	7.383953e-01	0.3050162466
## Kurtosis_hist.PET	0.7383952604	1.000000e+00	0.1294428440
## Energy_hist.PET	0.3050162466	1.294428e-01	1.0000000000
## Entropy_hist.PET	0.4684121826	1.987783e-01	0.2325432540
## AUC_hist.PET	0.5646117341	1.776081e-01	0.4886233818
## H_suv.PET	0.1487036787	-5.634430e-02	0.2195215086
## Volume.PET	0.1366327410	1.574280e-01	-0.2170168742
## X3D_surface.PET	0.0824300149	9.972351e-02	0.0441124852
## ratio_3ds_vol.PET	0.5314588307	2.151796e-01	0.7065465260
## ratio_3ds_vol_norm.PET	0.5055499206	3.072817e-01	0.6090758184
## irregularity.PET	0.5814202983	1.580932e-01	0.4894894041
## tumor_length.PET	0.3258439376	2.196639e-01	0.2392598597
## Compactness_v1.PET	0.3158318129	1.417485e-01	0.8895080191
## Compactness_v2.PET	0.0195496440	-2.672540e-02	-0.2847324682
## Spherical_disproportion.PET	0.5055499206	3.072817e-01	0.6090758184
## Sphericity.PET	0.0227197072	-4.791925e-02	-0.4219962193
## Asphericity.PET	0.4973156914	3.079849e-01	0.6069551209
## Center_of_mass.PET	0.3407251026	1.245843e-01	0.1146282561
## Max_3D_diam.PET	0.1933549981	1.297910e-01	-0.2342058808
## Major_axis_length.PET	0.2000880725	1.303750e-01	-0.1011802863
## Minor_axis_length.PET	0.3581456798	2.673535e-01	0.0533000916
## Least_axis_length.PET	0.2289712288	1.637515e-01	-0.0658154203
## Elongation.PET	0.4824397592	1.900364e-01	0.4952236347
## Flatness.PET	0.3606923752	1.024201e-01	0.3854053737
## Max_cooc.L.PET	0.3641824972	2.191579e-01	0.9834555030
## Average_cooc.L.PET	0.0573085774	-2.740262e-01	0.3842148473
## Variance_cooc.L.PET	0.1917066430	-2.533513e-01	0.4010508147
## Entropy_cooc.L.PET	0.4260991711	3.062457e-02	0.3533838236
## DAVE_cooc.L.PET	0.2519218653	-1.729618e-01	0.4367026118
## DVAR_cooc.L.PET	0.3864031653	7.124039e-02	0.4759023046
## DENT_cooc.L.PET	0.4515614604	1.737375e-02	0.4319954724
## SAVE_cooc.L.PET	0.0569803064	-2.743201e-01	0.3831654948
## SVAR_cooc.L.PET	0.2028598542	-2.541049e-01	0.3602629948
## SENT_cooc.L.PET	0.4703078699	5.047271e-02	0.4997591983
## ASM_cooc.L.PET	0.3131865176	1.758257e-01	0.9835217875
## Contrast_cooc.L.PET	0.1481155030	-2.181187e-01	0.4115727542
## Dissimilarity_cooc.L.PET	0.2519218653	-1.729618e-01	0.4367026118
## Inv_diff_cooc.L.PET	0.6384226972	4.329550e-01	0.4836558393
## Inv_diff_norm_cooc.L.PET	0.5619761000	2.024167e-01	0.4357202529
## IDM_cooc.L.PET	0.6407486394	4.980609e-01	0.5325533953

## IDM_norm_cooc.L.PET	0.5484469620	1.769811e-01	0.4382557459
## Inv_var_cooc.L.PET	0.6404658345	4.897827e-01	0.5271113608
## Correlation_cooc.L.PET	0.4084393222	1.503650e-01	0.2315937952
## Autocorrelation_cooc.L.PET	-0.1429541228	-3.782362e-01	0.3326295319
## Tendency_cooc.L.PET	0.2028598542	-2.541049e-01	0.3602629948
## Shade_cooc.L.PET	0.6402971547	1.423211e-01	0.1411280612
## Prominence_cooc.L.PET	0.2674237946	-1.711884e-01	0.3075248326
## IC1_.L.PET	-0.2002747374	1.389360e-01	-0.0796097730
## IC2_.L.PET	0.4903956516	1.699821e-02	0.5621800844
## Coarseness_vdif_.L.PET	0.2999685105	8.135385e-02	0.9634562372
## Contrast_vdif_.L.PET	0.0892594554	-1.055813e-01	0.3779700324
## Busyness_vdif_.L.PET	0.2658226937	2.501461e-01	-0.1132361725
## Complexity_vdif_.L.PET	0.3598338258	-4.290387e-02	0.5180748386
## Strength_vdif_.L.PET	0.3900287410	1.187634e-01	0.4511842119
## SRE_align.L.PET	0.5313471953	1.413566e-01	0.4559397961
## LRE_align.L.PET	0.5559899291	2.005340e-01	0.4244881343
## GLNU_align.L.PET	0.1985513219	2.639431e-01	-0.1042563198
## RLNU_align.L.PET	0.0204235472	4.380832e-02	-0.1593059698
## RP_align.L.PET	0.5290616936	1.370977e-01	0.4569981855
## LGRE_align.L.PET	0.7965944591	5.686771e-01	0.6718097664
## HGRE_align.L.PET	-0.1287764190	-3.707342e-01	0.3544168830
## LGSRE_align.L.PET	0.7896915455	5.570008e-01	0.6828057381
## HGSRE_align.L.PET	-0.1238570909	-3.689423e-01	0.3575254908
## LGHRE_align.L.PET	0.8195865463	6.137375e-01	0.6259550769
## HGLRE_align.L.PET	-0.1484319490	-3.768877e-01	0.3403652819
## GLNU_norm_align.L.PET	0.6270403578	4.297032e-01	0.8982439963
## RLNU_norm_align.L.PET	0.5210060555	1.229637e-01	0.4613142129
## GLVAR_align.L.PET	0.1139871993	-2.928513e-01	0.3934122964
## RLVAR_align.L.PET	0.4967233928	3.802765e-01	0.7635818358
## Entropy_align.L.PET	0.4183844300	2.962938e-02	0.3713369930
## SZSE.L.PET	0.5163581605	1.218441e-01	0.4662171224
## LZSE.L.PET	0.4213132530	2.538954e-01	0.2408373732
## LGLZE.L.PET	0.7869471832	5.625848e-01	0.6855431845
## HGLZE.L.PET	-0.1130153383	-3.666433e-01	0.3592547253
## SZLGE.L.PET	0.7563242852	5.176148e-01	0.7209957793
## SZHGE.L.PET	-0.0861926914	-3.519863e-01	0.3721548211
## LZLGE.L.PET	0.8109934487	7.053562e-01	0.4705321491
## LZHGE.L.PET	-0.1884194298	-3.373484e-01	0.2356961495
## GLNU_area.L.PET	0.1829674821	2.370473e-01	-0.1105790670
## ZSNU.L.PET	0.0037719822	1.993448e-02	-0.1679850140
## ZSP.L.PET	0.5102574629	1.014395e-01	0.4675390343
## GLNU_norm.L.PET	0.6210039891	4.223641e-01	0.9009440370
## ZSNU_norm.L.PET	0.4957782903	7.898997e-02	0.4731042464
## GLVAR_area.L.PET	0.1238042184	-2.874512e-01	0.4015268786
## ZSVAR.L.PET	0.4050566727	4.712947e-01	0.2674981399
## Entropy_area.L.PET	0.4337208865	5.799452e-02	0.3634475074
## Max_cooc.H.PET	0.4084663032	2.223905e-01	0.4524825770
## Average_cooc.H.PET	0.5782920539	1.805238e-01	0.4403521882
## Variance_cooc.H.PET	0.2206449368	-3.001508e-02	0.2855828583
## Entropy_cooc.H.PET	0.4601917632	1.679566e-01	0.2599295282
## DAVE_cooc.H.PET	0.3276312813	2.807214e-02	0.3562995173
## DVAR_cooc.H.PET	0.2505811720	-2.462584e-03	0.3667142746
## DENT_cooc.H.PET	0.4243424605	1.236889e-01	0.1756036266
## SAVE_cooc.H.PET	0.5579867470	1.482727e-01	0.4081675178

## SVAR_cooc.H.PET	0.2899912832	1.800050e-02	0.2767310756
## SENT_cooc.H.PET	0.3197198649	6.458186e-02	0.5683123313
## ASM_cooc.H.PET	0.3380562358	1.886572e-01	0.5310851837
## Contrast_cooc.H.PET	0.2124865991	-2.885056e-02	0.3303339898
## Dissimilarity_cooc.H.PET	0.3276312813	2.807214e-02	0.3562995173
## Inv_diff_cooc.H.PET	0.5170263663	2.341618e-01	0.4737855273
## Inv_diff_norm_cooc.H.PET	0.5607395528	1.716303e-01	0.4591597106
## IDM_cooc.H.PET	0.4735627850	2.310638e-01	0.4516187572
## IDM_norm_cooc.H.PET	0.5526041040	1.642447e-01	0.4516914463
## Inv_var_cooc.H.PET	0.4482715033	2.174074e-01	0.8491680704
## Correlation_cooc.H.PET	0.3534796145	1.028976e-01	0.2332780269
## Autocorrelation_cooc.H.PET	0.5853270495	1.959477e-01	0.4456017323
## Tendency_cooc.H.PET	0.2052922339	-2.798458e-02	0.2357403921
## Shade_cooc.H.PET	0.2333681389	2.037485e-01	-0.1266902248
## Prominence_cooc.H.PET	-0.0104934685	-1.136204e-01	0.1061922072
## IC1_d.H.PET	-0.0979727098	2.467592e-03	0.4048057783
## IC2_d.H.PET	0.4495629180	1.276929e-01	0.3082472257
## Coarseness_vdif.H.PET	0.3002794083	1.429102e-01	0.9890462024
## Contrast_vdif.H.PET	0.0024640084	-7.102114e-02	0.3357409816
## Busyness_vdif.H.PET	0.0733860684	1.553007e-02	-0.4184966661
## Complexity_vdif.H.PET	0.2756835639	5.477443e-02	0.6907684056
## Strength_vdif.H.PET	0.1534562911	8.017796e-02	0.1656808405
## SRE_align.H.PET	0.4975044216	1.265080e-01	0.4286838474
## LRE_align.H.PET	0.4261413853	1.590805e-01	0.3097316483
## RLNU_align.H.PET	0.0090256955	2.883638e-02	-0.1450317430
## RP_align.H.PET	0.4830621332	1.155998e-01	0.4258638814
## LGRE_align.H.PET	0.2739997135	1.319800e-01	0.9718776864
## HGRE_align.H.PET	0.5984659204	2.125278e-01	0.4445759359
## LGSRE_align.H.PET	0.2735957105	1.320888e-01	0.9723322785
## HGSRE_align.H.PET	0.6202174955	2.115752e-01	0.4465633536
## LGHRE_align.H.PET	0.2771426156	1.321288e-01	0.9693121167
## HGLRE_align.H.PET	0.3061164158	1.213095e-01	0.2461879633
## GLNU_norm_align.H.PET	0.4918428508	2.366876e-01	0.4979255782
## RLNU_norm_align.H.PET	0.4360549272	8.829437e-02	0.3977221810
## GLVAR_align.H.PET	0.1732107532	-4.463362e-02	0.2533684089
## RLVAR_align.H.PET	0.2457455245	1.208461e-01	0.1953715284
## Entropy_align.H.PET	0.3808715693	6.961230e-02	0.2671741535
## SZSE.H.PET	0.4416760851	1.124853e-01	0.3561262213
## LZSE.H.PET	0.0257074255	3.668321e-03	-0.0662427484
## LGLZE.H.PET	0.2688026643	1.288652e-01	0.9695438752
## HGLZE.H.PET	0.6938868906	2.825966e-01	0.3538259072
## SZLGE.H.PET	0.2717141439	1.313172e-01	0.9712529630
## SZHGE.H.PET	0.6584112939	2.562049e-01	0.3496593320
## LZLGE.H.PET	0.0407081407	1.324581e-02	0.0654779842
## LZHGE.H.PET	0.0121969560	-1.494310e-03	-0.0238531229
## GLNU_area.H.PET	0.1050030508	1.267019e-01	-0.1612096071
## ZSNU.H.PET	-0.0290131139	-1.985225e-02	-0.1445263904
## ZSP.H.PET	0.2956674569	2.538766e-02	0.2481585206
## GLNU_norm.H.PET	0.4104410646	1.691881e-01	0.4964072357
## ZSNU_norm.H.PET	0.3518404500	6.355157e-02	0.2890485692
## GLVAR_area.H.PET	0.1749187343	-3.535394e-02	0.2367141507
## ZSVAR.H.PET	0.0141800168	-3.258403e-05	-0.0427446665
## Entropy_area.H.PET	0.4501142075	1.252667e-01	0.3112345065
## Max_cooc.W.PET	0.3892741025	2.070526e-01	0.6683545255

## Average_cooc.W.PET	0.0348449931	-9.285055e-02	0.0705435306
## Variance_cooc.W.PET	0.0765981122	-5.443406e-02	0.0109495023
## Entropy_cooc.W.PET	0.3634175866	5.629962e-02	0.2479356880
## DAVE_cooc.W.PET	0.1792928899	-4.313267e-02	0.1282753840
## DVAR_cooc.W.PET	0.0810273642	-5.922308e-02	0.0174040907
## DENT_cooc.W.PET	0.3915327882	6.706269e-02	0.2766208692
## SAVE_cooc.W.PET	0.0342657144	-9.317182e-02	0.0685442186
## SVAR_cooc.W.PET	0.0808225378	-4.211447e-02	0.0068851957
## SENT_cooc.W.PET	0.4316389112	9.044118e-02	0.3793355499
## ASM_cooc.W.PET	0.3477435852	1.877844e-01	0.8229451630
## Contrast_cooc.W.PET	0.0583356073	-8.201417e-02	0.0193758753
## Dissimilarity_cooc.W.PET	0.1792928899	-4.313267e-02	0.1282753840
## Inv_diff_cooc.W.PET	0.5116948654	2.161525e-01	0.4920091612
## Inv_diff_norm_cooc.W.PET	0.5621251633	2.015741e-01	0.4388169402
## IDM_cooc.W.PET	0.4590814729	2.115514e-01	0.4633295908
## IDM_norm_cooc.W.PET	0.5482085961	1.764640e-01	0.4399087536
## Inv_var_cooc.W.PET	0.4759853418	2.122568e-01	0.4929055995
## Correlation_cooc.W.PET	0.4083284130	1.514791e-01	0.2277294290
## Autocorrelation_cooc.W.PET	-0.0993141144	-1.191032e-01	-0.0410455948
## Tendency_cooc.W.PET	0.0808225378	-4.211447e-02	0.0068851957
## Shade_cooc.W.PET	0.1682025457	4.787434e-02	0.0247124761
## Prominence_cooc.W.PET	0.0539057514	2.321261e-03	-0.0055786425
## IC1_d.W.PET	-0.1231521303	2.830944e-02	0.4503134578
## IC2_d.W.PET	0.5005101743	1.209270e-01	0.3851285337
## Coarseness_vdif.W.PET	0.2669417496	5.372084e-02	0.9212697535
## Contrast_vdif.W.PET	0.1178689525	-1.379989e-01	0.3020610483
## Busyness_vdif.W.PET	0.1665246267	8.382623e-03	-0.1030525311
## Complexity_vdif.W.PET	0.0781885421	6.907222e-02	-0.0127184005
## Strength_vdif.W.PET	0.4193818541	2.524439e-01	0.2333197574
## SRE_align.W.PET	0.5226755829	1.421441e-01	0.4424937418
## LRE_align.W.PET	0.5112497621	1.697791e-01	0.4044935593
## GLNU_align.W.PET	0.1864695404	2.255809e-01	-0.1582426115
## RLNU_align.W.PET	0.0206928208	4.259631e-02	-0.1476061712
## RP_align.W.PET	0.5157307657	1.368875e-01	0.4402042264
## LGRE_align.W.PET	0.5917497955	3.012787e-01	0.4796761940
## HGRE_align.W.PET	-0.0928079181	-1.125132e-01	-0.0484809315
## LGSRE_align.W.PET	0.6080164823	3.053565e-01	0.5112783480
## HGSRE_align.W.PET	-0.0889104219	-1.108682e-01	-0.0488069509
## LGHRE_align.W.PET	0.4900943994	2.614743e-01	0.3323116148
## HGLRE_align.W.PET	-0.1101059426	-1.197814e-01	-0.0478136534
## GLNU_norm_align.W.PET	0.4973676484	2.426977e-01	0.5969311220
## RLNU_norm_align.W.PET	0.4948544763	1.238071e-01	0.4256688596
## GLVAR_align.W.PET	0.0344195203	-6.335900e-02	-0.0057816768
## RLVAR_align.W.PET	0.2914351767	1.423479e-01	0.3387146332
## Entropy_align.W.PET	0.3825649306	7.067093e-02	0.2724761245
## SZSE.W.PET	0.4959747182	1.308725e-01	0.4247634466
## LZSE.W.PET	0.1048377509	3.112240e-02	0.1014187511
## LGLZE.W.PET	0.5655007900	2.826507e-01	0.4925921563
## HGLZE.W.PET	-0.0719885663	-1.027205e-01	-0.0456337855
## SZLGE.W.PET	0.6054589006	2.986681e-01	0.5717394141
## SZHGE.W.PET	-0.0563392996	-9.558151e-02	-0.0448046191
## LZLGE.W.PET	0.1446513206	7.837015e-02	0.0330429934
## LZHGE.W.PET	-0.1808202632	-1.520349e-01	-0.0196050071
## GLNU_area.W.PET	0.1579744637	1.897667e-01	-0.1590546042

## ZSNU.W.PET	-0.0003052533	1.284376e-02	-0.1434483706
## ZSP.W.PET	0.4331848310	9.765693e-02	0.3658593298
## GLNU_norm.W.PET	0.4648217297	2.146323e-01	0.6116722993
## ZSNU_norm.W.PET	0.4367255054	9.671068e-02	0.3729845632
## GLVAR_area.W.PET	0.0453764911	-5.383928e-02	-0.0009637731
## ZSVAR.W.PET	0.0550710371	1.566875e-02	0.0646615549
## Entropy_area.W.PET	0.4281633204	1.030955e-01	0.2968074202
## Min_hist.ADC	0.1459681757	2.215553e-02	0.2476072279
## Max_hist.ADC	0.5807510561	3.093455e-01	0.3358321017
## Mean_hist.ADC	0.5881514135	2.579935e-01	0.3805838243
## Variance_hist.ADC	0.4103058462	3.374920e-01	0.2367628444
## Standard_Deviation_hist.ADC	0.5149536292	3.039872e-01	0.3285970629
## Skewness_hist.ADC	-0.0271233417	-6.089955e-02	0.0890997222
## Kurtosis_hist.ADC	0.2168912469	1.803252e-02	0.0888063484
## Energy_hist.ADC	0.2929307715	1.328092e-01	0.9814726625
## Entropy_hist.ADC	0.5253131238	1.960464e-01	0.3511417152
## AUC_hist.ADC	0.4826271720	1.293619e-01	0.4488323069
## Volume.ADC	0.1261650144	1.448776e-01	-0.2169858535
## X3D_surface.ADC	0.2499303913	1.697526e-01	0.0313783228
## ratio_3ds_vol.ADC	0.3575448304	3.932237e-02	0.5283292817
## ratio_3ds_vol_norm.ADC	0.5515123687	2.058061e-01	0.3460519632
## irregularity.ADC	0.4804766631	8.823008e-02	0.4703838946
## Compactness_v1.ADC	0.3872715179	1.303695e-01	0.9265473714
##	Entropy_hist.PET	AUC_hist.PET	H_suv.PET
## Failure	-0.095064398	-0.001831508	-0.046877392
## Entropy_cooc.W.ADC	0.141379092	0.037414429	-0.022796985
## GLNU_align.H.PET	0.080927587	-0.021376469	-0.057681645
## Min_hist.PET	0.560827587	0.509900640	0.860016880
## Max_hist.PET	0.639514377	0.534036400	0.867928872
## Mean_hist.PET	0.583094476	0.509410593	0.898991555
## Variance_hist.PET	0.354651850	0.248882156	0.809177718
## Standard_Deviation_hist.PET	0.590642153	0.523496209	0.926082225
## Skewness_hist.PET	0.468412183	0.564611734	0.148703679
## Kurtosis_hist.PET	0.198778308	0.177608083	-0.056344303
## Energy_hist.PET	0.232543254	0.488623382	0.219521509
## Entropy_hist.PET	1.000000000	0.869962730	0.542902267
## AUC_hist.PET	0.869962730	1.000000000	0.549047207
## H_suv.PET	0.542902267	0.549047207	1.000000000
## Volume.PET	0.572893024	0.332705925	0.289510174
## X3D_surface.PET	0.421954516	0.239282802	0.180807185
## ratio_3ds_vol.PET	0.289173545	0.588324823	0.255182440
## ratio_3ds_vol_norm.PET	0.478429399	0.607081275	0.342058790
## irregularity.PET	0.783499349	0.964453176	0.493035645
## tumor_length.PET	0.693028978	0.613270078	0.415800480
## Compactness_v1.PET	0.412067158	0.591978993	0.332333497
## Compactness_v2.PET	0.279553556	0.213352355	0.193575234
## Spherical_disproportion.PET	0.478429399	0.607081275	0.342058790
## Sphericity.PET	0.322473989	0.207676394	0.181656307
## Asphericity.PET	0.458557621	0.585805864	0.329886456
## Center_of_mass.PET	0.493023479	0.389128328	0.313691859
## Max_3D_diam.PET	0.688280145	0.456302643	0.366548900
## Major_axis_length.PET	0.731065405	0.503042636	0.442638037
## Minor_axis_length.PET	0.807862198	0.665319496	0.453701273
## Least_axis_length.PET	0.736595198	0.561380022	0.415292842

## Elongation.PET	0.674480102	0.860075734	0.421561857
## Flatness.PET	0.644040021	0.794966336	0.405786226
## Max_cooc.L.PET	0.291250330	0.515493062	0.236403787
## Average_cooc.L.PET	0.607153084	0.787694314	0.510151368
## Variance_cooc.L.PET	0.350471575	0.627526617	0.357606936
## Entropy_cooc.L.PET	0.873702113	0.968368894	0.595935004
## DAVE_cooc.L.PET	0.482961490	0.739540314	0.492074108
## DVAR_cooc.L.PET	0.360655289	0.661632712	0.482682406
## DENT_cooc.L.PET	0.790090002	0.958375967	0.581953795
## SAVE_cooc.L.PET	0.607083015	0.787439929	0.510071435
## SVAR_cooc.L.PET	0.386513772	0.636197161	0.304253550
## SENT_cooc.L.PET	0.817513311	0.970955894	0.550029492
## ASM_cooc.L.PET	0.274593745	0.486626761	0.237964905
## Contrast_cooc.L.PET	0.246002737	0.529192901	0.394161319
## Dissimilarity_cooc.L.PET	0.482961490	0.739540314	0.492074108
## Inv_diff_cooc.L.PET	0.843500302	0.872383504	0.435180204
## Inv_diff_norm_cooc.L.PET	0.895059603	0.992788121	0.551460724
## IDM_cooc.L.PET	0.767915086	0.791731917	0.375299832
## IDM_norm_cooc.L.PET	0.887135288	0.994943512	0.557356434
## Inv_var_cooc.L.PET	0.780133922	0.796242863	0.384548514
## Correlation_cooc.L.PET	0.695206574	0.667876601	0.187377981
## Autocorrelation_cooc.L.PET	0.383681382	0.578693170	0.357094452
## Tendency_cooc.L.PET	0.386513772	0.636197161	0.304253550
## Shade_cooc.L.PET	0.208891802	0.330128747	0.106247008
## Prominence_cooc.L.PET	0.193150593	0.447874197	0.153406264
## IC1_.L.PET	-0.093799067	-0.335091468	-0.018020358
## IC2_.L.PET	0.658743370	0.897175794	0.433619027
## Coarseness_vdif_.L.PET	0.213741406	0.513004937	0.184474869
## Contrast_vdif_.L.PET	-0.007410318	0.231788138	0.093365733
## Busyness_vdif_.L.PET	0.549881300	0.336811567	0.249334220
## Complexity_vdif_.L.PET	0.435849736	0.707498933	0.493330843
## Strength_vdif_.L.PET	-0.004702253	0.300711890	-0.021652097
## SRE_align.L.PET	0.864367018	0.994671029	0.566871443
## LRE_align.L.PET	0.891934306	0.989368565	0.550706427
## GLNU_align.L.PET	0.500083326	0.278799821	0.210100702
## RLNU_align.L.PET	0.487341257	0.244527112	0.245730322
## RP_align.L.PET	0.862054160	0.994220077	0.566868876
## LGRE_align.L.PET	0.478838104	0.663817902	0.252210577
## HGRE_align.L.PET	0.397705677	0.600811234	0.394271139
## LGSRE_align.L.PET	0.479463409	0.668536861	0.258541766
## HGSRE_align.L.PET	0.392776014	0.599479762	0.393196414
## LGHRE_align.L.PET	0.474185609	0.641702648	0.225884548
## HGLRE_align.L.PET	0.416833777	0.604394273	0.397656757
## GLNU_norm_align.L.PET	0.515414993	0.719215976	0.318041040
## RLNU_norm_align.L.PET	0.853359796	0.991991090	0.567492600
## GLVAR_align.L.PET	0.392686210	0.651767979	0.389137545
## RLVAR_align.L.PET	0.600333774	0.683598825	0.333335463
## Entropy_align.L.PET	0.873185048	0.973567565	0.590072995
## SZSE.L.PET	0.830781705	0.973551882	0.566588974
## LZSE.L.PET	0.682184179	0.689686760	0.351358630
## LGLZE.L.PET	0.488940584	0.675172276	0.258312313
## HGLZE.L.PET	0.403239218	0.610752426	0.403106039
## SZLGE.L.PET	0.484838586	0.684536021	0.274347042
## SZHGE.L.PET	0.388836334	0.607766208	0.406772304

## LZLGE.L.PET	0.440616440	0.541348229	0.153618077
## LZHGE.L.PET	0.376823354	0.493339962	0.311683731
## GLNU_area.L.PET	0.503513706	0.279677256	0.216722800
## ZSNU.L.PET	0.487363984	0.244321837	0.253771298
## ZSP.L.PET	0.829020552	0.978600659	0.566632050
## GLNU_norm.L.PET	0.517085851	0.719505597	0.319052607
## ZSNU_norm.L.PET	0.819187181	0.978325114	0.567046277
## GLVAR_area.L.PET	0.402430914	0.663003267	0.402168625
## ZSVAR.L.PET	0.525660934	0.465456678	0.232784937
## Entropy_area.L.PET	0.886879442	0.975380771	0.589915735
## Max_cooc.H.PET	0.118434438	0.334001927	-0.347583139
## Average_cooc.H.PET	0.813045992	0.970524386	0.406378476
## Variance_cooc.H.PET	0.822215391	0.841115424	0.782866791
## Entropy_cooc.H.PET	0.751745871	0.820378314	0.729418153
## DAVE_cooc.H.PET	0.765988087	0.863544199	0.763509093
## DVAR_cooc.H.PET	0.742389901	0.839433428	0.712698141
## DENT_cooc.H.PET	0.830703260	0.766444200	0.577702498
## SAVE_cooc.H.PET	0.852351247	0.975476057	0.472693128
## SVAR_cooc.H.PET	0.887437252	0.839254948	0.653930867
## SENT_cooc.H.PET	0.590718570	0.696334136	0.733363541
## ASM_cooc.H.PET	0.110254627	0.323350220	-0.292764314
## Contrast_cooc.H.PET	0.674179455	0.766492003	0.778079539
## Dissimilarity_cooc.H.PET	0.765988087	0.863544199	0.763509093
## Inv_diff_cooc.H.PET	0.522240107	0.691789284	-0.113034611
## Inv_diff_norm_cooc.H.PET	0.867201536	0.994123790	0.511837928
## IDM_cooc.H.PET	0.419047251	0.589951780	-0.233037047
## IDM_norm_cooc.H.PET	0.871701544	0.995656767	0.538548297
## Inv_var_cooc.H.PET	0.496622842	0.629842588	0.538203129
## Correlation_cooc.H.PET	0.700480413	0.672692854	0.253145529
## Autocorrelation_cooc.H.PET	0.738987152	0.916270248	0.258852527
## Tendency_cooc.H.PET	0.828671829	0.806194877	0.715463043
## Shade_cooc.H.PET	-0.428485529	-0.394632442	-0.413937372
## Prominence_cooc.H.PET	0.684342839	0.587484366	0.728873677
## IC1_d.H.PET	-0.225773632	-0.098769148	0.253916726
## IC2_d.H.PET	0.777562810	0.787046133	0.401813516
## Coarseness_vdif.H.PET	0.250022755	0.478474262	0.245722555
## Contrast_vdif.H.PET	0.078092719	0.291160406	-0.240231240
## Busyness_vdif.H.PET	0.291325033	0.124706056	0.035338983
## Complexity_vdif.H.PET	0.458393214	0.665831159	0.519420422
## Strength_vdif.H.PET	-0.092096617	0.033536786	-0.112687390
## SRE_align.H.PET	0.856057964	0.965809194	0.705078821
## LRE_align.H.PET	0.543687423	0.647770186	-0.093557149
## RLNU_align.H.PET	0.476437631	0.241077780	0.324051033
## RP_align.H.PET	0.841947401	0.952941816	0.732529184
## LGRE_align.H.PET	0.303349232	0.501861213	0.306094838
## HGRE_align.H.PET	0.746325351	0.922757760	0.283426187
## LGSRE_align.H.PET	0.300441618	0.499477571	0.304802526
## HGSRE_align.H.PET	0.791736124	0.964104110	0.474264832
## LGHRE_align.H.PET	0.319708249	0.514808112	0.305384974
## HGLRE_align.H.PET	0.351298388	0.447390508	-0.258927631
## GLNU_norm_align.H.PET	0.299383341	0.532693350	-0.258280844
## RLNU_norm_align.H.PET	0.804485686	0.900370345	0.807986612
## GLVAR_align.H.PET	0.812188403	0.807199060	0.781391456
## RLVAR_align.H.PET	0.256750844	0.300584393	-0.389016144

## Entropy_align.H.PET	0.889631898	0.890875540	0.776094366
## SZSE.H.PET	0.786518753	0.849374568	0.826978057
## LZSE.H.PET	-0.029415213	-0.049518489	-0.226938463
## LGLZE.H.PET	0.305207739	0.502263371	0.310855021
## HGLZE.H.PET	0.781089936	0.874926149	0.297021910
## SZLGE.H.PET	0.297453056	0.496317581	0.304974409
## SZHGE.H.PET	0.704242794	0.833333524	0.610554080
## LZLGE.H.PET	0.013189881	0.027870209	-0.244685812
## LZHGE.H.PET	-0.048069101	-0.044238706	-0.268655209
## GLNU_area.H.PET	0.511230490	0.283400304	0.220425442
## ZSNU.H.PET	0.435616652	0.206666928	0.392932118
## ZSP.H.PET	0.631565016	0.660238542	0.912734603
## GLNU_norm.H.PET	0.313970612	0.540267949	-0.245555998
## ZSNU_norm.H.PET	0.682100586	0.715162496	0.906934089
## GLVAR_area.H.PET	0.801115153	0.786718317	0.778878818
## ZSVAR_H.PET	-0.042083202	-0.044662227	-0.257478733
## Entropy_area.H.PET	0.917968835	0.942528043	0.647718783
## Max_cooc.W.PET	0.137326634	0.382255851	-0.186044858
## Average_cooc.W.PET	0.594250906	0.506576407	0.910760266
## Variance_cooc.W.PET	0.339427138	0.250086698	0.807480146
## Entropy_cooc.W.PET	0.836756229	0.844790051	0.853465193
## DAVE_cooc.W.PET	0.555582900	0.533425388	0.962037832
## DVAR_cooc.W.PET	0.349282853	0.279100265	0.876676375
## DENT_cooc.W.PET	0.794392286	0.829336703	0.880864352
## SAVE_cooc.W.PET	0.593845293	0.505719730	0.910474422
## SVAR_cooc.W.PET	0.324639971	0.227794653	0.746332023
## SENT_cooc.W.PET	0.844487116	0.890618296	0.812216897
## ASM_cooc.W.PET	0.181284836	0.424222840	-0.063545342
## Contrast_cooc.W.PET	0.347501271	0.285524990	0.895171553
## Dissimilarity_cooc.W.PET	0.555582900	0.533425388	0.962037832
## Inv_diff_cooc.W.PET	0.590550937	0.767841577	-0.049115575
## Inv_diff_norm_cooc.W.PET	0.892808744	0.993168484	0.545602962
## IDM_cooc.W.PET	0.461355773	0.637826070	-0.204598315
## IDM_norm_cooc.W.PET	0.886137359	0.995111054	0.555907727
## Inv_var_cooc.W.PET	0.535516401	0.707209319	-0.132060773
## Correlation_cooc.W.PET	0.698664254	0.667222995	0.199800279
## Autocorrelation_cooc.W.PET	0.379974600	0.240820465	0.794657622
## Tendency_cooc.W.PET	0.324639971	0.227794653	0.746332023
## Shade_cooc.W.PET	0.099386838	0.051057331	0.361451401
## Prominence_cooc.W.PET	0.087653301	0.013768764	0.353698059
## IC1_d.W.PET	-0.216530286	-0.107935051	0.112181968
## IC2_d.W.PET	0.791824641	0.850642612	0.525760709
## Coarseness_vdif.W.PET	0.157253712	0.479086428	0.133810167
## Contrast_vdif.W.PET	0.357672149	0.466171083	0.854495484
## Busyness_vdif.W.PET	0.273613929	0.241693909	-0.370857074
## Complexity_vdif.W.PET	0.290875835	0.164240872	0.648663681
## Strength_vdif.W.PET	0.152192089	0.249100353	0.445320482
## SRE_align.W.PET	0.870327622	0.987525651	0.637404594
## LRE_align.W.PET	0.747678491	0.870553164	0.184325649
## GLNU_align.W.PET	0.512517089	0.286422387	0.015832476
## RLNU_align.W.PET	0.481252909	0.243722296	0.286690451
## RP_align.W.PET	0.866139538	0.982670203	0.657601800
## LGRE_align.W.PET	0.279926164	0.517458758	-0.239358676
## HGRE_align.W.PET	0.385444307	0.243393853	0.802271214

## LGSRE_align.W.PET	0.308160156	0.553357302	-0.199105698
## HGSRE_align.W.PET	0.379849097	0.239187413	0.803578011
## LGHRE_align.W.PET	0.165594917	0.353006320	-0.356093226
## HGLRE_align.W.PET	0.408752511	0.259982540	0.792950898
## GLNU_norm_align.W.PET	0.287941135	0.539353581	-0.209248198
## RLNU_norm_align.W.PET	0.855016020	0.962027692	0.716666483
## GLVAR_align.W.PET	0.355402462	0.248734542	0.807639190
## RLVAR_align.W.PET	0.287552597	0.379564950	-0.334544918
## Entropy_align.W.PET	0.883157408	0.892329293	0.790503001
## SZSE.W.PET	0.832262953	0.937522911	0.727805700
## LZSE.W.PET	0.075111010	0.134231735	-0.354129178
## LGLZE.W.PET	0.313904748	0.540658164	-0.226496052
## HGLZE.W.PET	0.385712807	0.247656389	0.804343255
## SZLGE.W.PET	0.381997286	0.616311927	-0.096015089
## SZHGE.W.PET	0.368476825	0.236140525	0.803491349
## LZLGE.W.PET	-0.052410775	0.007663750	-0.311359584
## LZHGE.W.PET	0.427020893	0.281663244	0.561962992
## GLNU_area.W.PET	0.521405290	0.292830679	0.109423363
## ZSNU.W.PET	0.460461597	0.228959540	0.341215898
## ZSP.W.PET	0.786724280	0.864050001	0.824081096
## GLNU_norm.W.PET	0.306537395	0.557436924	-0.202150332
## ZSNU_norm.W.PET	0.782094482	0.859116589	0.837805667
## GLVAR_area.W.PET	0.359013323	0.253168036	0.807316850
## ZSVAR.W.PET	0.001123126	0.046315780	-0.363291339
## Entropy_area.W.PET	0.911537796	0.932360383	0.706334717
## Min_hist.ADC	0.155982982	0.324709278	0.107237704
## Max_hist.ADC	0.859635517	0.885057107	0.506921157
## Mean_hist.ADC	0.759115829	0.862690345	0.427829800
## Variance_hist.ADC	0.568674769	0.467724369	0.215683325
## Standard_Deviation_hist.ADC	0.775226026	0.736095982	0.389698890
## Skewness_hist.ADC	0.185481893	0.233800619	0.216469637
## Kurtosis_hist.ADC	0.190330614	0.269691635	0.235616299
## Energy_hist.ADC	0.272425911	0.497087691	0.239928472
## Entropy_hist.ADC	0.898023645	0.948069593	0.570074062
## AUC_hist.ADC	0.857825290	0.975929150	0.595446791
## Volume.ADC	0.547763687	0.320605819	0.272963572
## X3D_surface.ADC	0.544395567	0.443931722	0.367672513
## ratio_3ds_vol.ADC	0.447990361	0.653728295	0.267013965
## ratio_3ds_vol_norm.ADC	0.891609781	0.940846772	0.530114312
## irregularity.ADC	0.796296906	0.953975127	0.542058719
## Compactness_v1.ADC	0.486714037	0.720828064	0.385556382
##	Volume.PET	X3D_surface.PET	ratio_3ds_vol.PET
## Failure	-0.124869611	-0.152896517	0.126702678
## Entropy_cooc.W.ADC	0.120026716	0.175521055	-0.027240067
## GLNU_align.H.PET	0.116170093	0.371454267	-0.093626823
## Min_hist.PET	0.370172985	0.247804568	0.132382670
## Max_hist.PET	0.497362271	0.385809977	0.081683774
## Mean_hist.PET	0.411817916	0.285816757	0.085932915
## Variance_hist.PET	0.320823640	0.273551241	-0.015324428
## Standard_Deviation_hist.PET	0.394932577	0.324923563	0.120525139
## Skewness_hist.PET	0.136632741	0.082430015	0.531458831
## Kurtosis_hist.PET	0.157427964	0.099723512	0.215179592
## Energy_hist.PET	-0.217016874	0.044112485	0.706546526
## Entropy_hist.PET	0.572893024	0.421954516	0.289173545

## AUC_hist.PET	0.332705925	0.239282802	0.588324823
## H_suv.PET	0.289510174	0.180807185	0.255182440
## Volume.PET	1.000000000	0.406599587	-0.299435315
## X3D_surface.PET	0.406599587	1.000000000	-0.057228766
## ratio_3ds_vol.PET	-0.299435315	-0.057228766	1.000000000
## ratio_3ds_vol_norm.PET	-0.046702206	0.408668902	0.763989294
## irregularity.PET	0.192634321	0.111517593	0.683271135
## tumor_length.PET	0.400145203	0.810445931	0.196991850
## Compactness_v1.PET	0.063901979	0.112669067	0.452909861
## Compactness_v2.PET	0.501861440	0.009997249	-0.449679923
## Spherical_disproportion.PET	-0.046702206	0.408668902	0.763989294
## Sphericity.PET	0.565183203	-0.006674273	-0.498986550
## Asphericity.PET	-0.058713680	0.408768184	0.759764503
## Center_of_mass.PET	0.370134296	0.687465713	0.138908233
## Max_3D_diam.PET	0.789864256	0.591205129	-0.288405814
## Major_axis_length.PET	0.753209183	0.674378796	-0.149078356
## Minor_axis_length.PET	0.677412112	0.682062628	0.022774653
## Least_axis_length.PET	0.718478062	0.708421983	-0.150169643
## Elongation.PET	0.116403319	0.104404177	0.608396167
## Flatness.PET	0.187529551	0.170756388	0.402923434
## Max_cooc.L.PET	-0.154869919	0.096461308	0.674106888
## Average_cooc.L.PET	0.084923869	0.033087809	0.493451432
## Variance_cooc.L.PET	-0.193344226	-0.159715041	0.637921470
## Entropy_cooc.L.PET	0.349854949	0.221586309	0.475679804
## DAVE_cooc.L.PET	-0.052771301	-0.123238244	0.632590652
## DVAR_cooc.L.PET	-0.116932151	-0.082373920	0.662959516
## DENT_cooc.L.PET	0.224918753	0.107777561	0.601748624
## SAVE_cooc.L.PET	0.085163355	0.032973876	0.492885197
## SVAR_cooc.L.PET	-0.162922408	-0.097640828	0.606538270
## SENT_cooc.L.PET	0.219587161	0.194831820	0.664957928
## ASM_cooc.L.PET	-0.156949022	0.107538876	0.639087506
## Contrast_cooc.L.PET	-0.215598369	-0.236846439	0.601753506
## Dissimilarity_cooc.L.PET	-0.052771301	-0.123238244	0.632590652
## Inv_diff_cooc.L.PET	0.426303434	0.406500674	0.455841647
## Inv_diff_norm_cooc.L.PET	0.372459964	0.269955167	0.543211939
## IDM_cooc.L.PET	0.388673969	0.418321386	0.443725735
## IDM_norm_cooc.L.PET	0.355500357	0.250107413	0.554083703
## Inv_var_cooc.L.PET	0.399262240	0.422892766	0.443179403
## Correlation_cooc.L.PET	0.361113692	0.450240076	0.259559717
## Autocorrelation_cooc.L.PET	-0.075851667	-0.060029479	0.420992095
## Tendency_cooc.L.PET	-0.162922408	-0.097640828	0.606538270
## Shade_cooc.L.PET	-0.133207609	-0.083698917	0.462899884
## Prominence_cooc.L.PET	-0.309059749	-0.196378928	0.608956132
## IC1_.L.PET	0.227544894	0.200616519	-0.528614199
## IC2_.L.PET	0.021508628	0.072831844	0.759893100
## Coarseness_vdif_.L.PET	-0.276982319	-0.053603033	0.786300153
## Contrast_vdif_.L.PET	-0.229186717	-0.194868032	0.481893156
## Busyness_vdif_.L.PET	0.753263414	0.769918610	-0.243151298
## Complexity_vdif_.L.PET	-0.100906691	-0.110309455	0.724300847
## Strength_vdif_.L.PET	-0.335372703	-0.275662037	0.721409775
## SRE_align.L.PET	0.315225237	0.211054325	0.584034242
## LRE_align.L.PET	0.368470758	0.270452289	0.537510753
## GLNU_align.L.PET	0.685516407	0.857608486	-0.224643305
## RLNU_align.L.PET	0.681261573	0.884993123	-0.295704551

## RP_align.L.PET	0.310484529	0.206424731	0.586422453
## LGRE_align.L.PET	0.039313383	0.142922505	0.678353819
## HGRE_align.L.PET	-0.057387925	-0.064476298	0.441944486
## LGSRE_align.L.PET	0.034110003	0.139830558	0.685534549
## HGSRE_align.L.PET	-0.062881700	-0.070880544	0.447949563
## LGHRE_align.L.PET	0.060224076	0.155278823	0.646409826
## HGLRE_align.L.PET	-0.035369149	-0.037676977	0.415885213
## GLNU_norm_align.L.PET	0.017604133	0.163412581	0.736907808
## RLNU_norm_align.L.PET	0.294140144	0.190861693	0.594835163
## GLVAR_align.L.PET	-0.152991977	-0.125071135	0.591667293
## RLVAR_align.L.PET	0.211202542	0.377214171	0.499160211
## Entropy_align.L.PET	0.346662196	0.232276726	0.491164390
## SZSE.L.PET	0.304245264	0.196916744	0.589741466
## LZSE.L.PET	0.282268291	0.245996046	0.315006870
## LGLZE.L.PET	0.046909611	0.143090891	0.687214834
## HGLZE.L.PET	-0.056696128	-0.065720031	0.454050437
## SZLGE.L.PET	0.038127457	0.131958080	0.708422775
## SZHGE.L.PET	-0.058429292	-0.073814832	0.473600878
## LZLGE.L.PET	0.093932163	0.176942756	0.513354532
## LZHGE.L.PET	-0.040480141	-0.010607822	0.283695551
## GLNU_area.L.PET	0.696326672	0.866462320	-0.233373661
## ZSNU.L.PET	0.688791569	0.880647280	-0.304769458
## ZSP.L.PET	0.287870258	0.180378026	0.599245477
## GLNU_norm.L.PET	0.019349187	0.165594026	0.733720410
## ZSNU_norm.L.PET	0.250882141	0.154776384	0.613112308
## GLVAR_area.L.PET	-0.147237349	-0.124832136	0.602397551
## ZSVAR.L.PET	0.284470262	0.341594954	0.195438813
## Entropy_area.L.PET	0.369468959	0.253520003	0.477993589
## Max_cooc.H.PET	-0.166346182	-0.116646144	0.537190229
## Average_cooc.H.PET	0.254553621	0.147107004	0.621250892
## Variance_cooc.H.PET	0.420893871	0.316670420	0.318832952
## Entropy_cooc.H.PET	0.349241550	0.169027053	0.381642418
## DAVE_cooc.H.PET	0.305414947	0.136040115	0.446670413
## DVAR_cooc.H.PET	0.304838092	0.112176619	0.428381112
## DENT_cooc.H.PET	0.440936529	0.326918273	0.259937253
## SAVE_cooc.H.PET	0.306015702	0.184155108	0.566792961
## SVAR_cooc.H.PET	0.486062860	0.388670288	0.309942425
## SENT_cooc.H.PET	0.034464159	0.294546480	0.652264938
## ASM_cooc.H.PET	-0.171253344	-0.079754384	0.530616144
## Contrast_cooc.H.PET	0.265786403	0.078195556	0.388591763
## Dissimilarity_cooc.H.PET	0.305414947	0.136040115	0.446670413
## Inv_diff_cooc.H.PET	0.080580232	0.090538522	0.576128827
## Inv_diff_norm_cooc.H.PET	0.320228508	0.231670230	0.586599773
## IDM_cooc.H.PET	0.021227086	0.047223590	0.543587886
## IDM_norm_cooc.H.PET	0.326152766	0.231250487	0.579507780
## Inv_var_cooc.H.PET	0.020010829	0.265124018	0.614062331
## Correlation_cooc.H.PET	0.377389008	0.470944434	0.245731175
## Autocorrelation_cooc.H.PET	0.188747521	0.107123727	0.640410850
## Tendency_cooc.H.PET	0.467095945	0.417177452	0.252565289
## Shade_cooc.H.PET	-0.228611285	-0.196959894	-0.024616821
## Prominence_cooc.H.PET	0.481138315	0.457452662	0.045032024
## IC1_d.H.PET	-0.223146651	-0.260452979	0.156349086
## IC2_d.H.PET	0.367926362	0.442059393	0.359644323
## Coarseness_vdif.H.PET	-0.191498531	0.075908099	0.662564487

## Contrast_vdif.H.PET	-0.138418023	-0.137740317	0.413274718
## Busyness_vdif.H.PET	0.679369641	0.121994346	-0.459470167
## Complexity_vdif.H.PET	-0.162066262	0.071655187	0.791798778
## Strength_vdif.H.PET	-0.158365700	-0.111269720	0.248410028
## SRE_align.H.PET	0.337925155	0.224974347	0.537976888
## LRE_align.H.PET	0.146411810	0.097441093	0.415343227
## RLNU_align.H.PET	0.686068922	0.859381289	-0.284872430
## RP_align.H.PET	0.330709996	0.217556390	0.534335155
## LGRE_align.H.PET	-0.128848049	0.126476711	0.615555522
## HGRE_align.H.PET	0.226091982	0.109328414	0.640794317
## LGSRE_align.H.PET	-0.131244176	0.124393902	0.615707388
## HGSRE_align.H.PET	0.265407263	0.122280065	0.647502430
## LGHRE_align.H.PET	-0.116507913	0.138612706	0.614723150
## HGLRE_align.H.PET	0.040779682	0.054082918	0.354943211
## GLNU_norm_align.H.PET	-0.097274745	-0.092361774	0.619439519
## RLNU_norm_align.H.PET	0.323267732	0.211026191	0.492074406
## GLVAR_align.H.PET	0.433449187	0.329332406	0.259743849
## RLVAR_align.H.PET	0.020342772	0.081985474	0.234949732
## Entropy_align.H.PET	0.475541518	0.363265967	0.330345336
## SZSE.H.PET	0.351719911	0.256614835	0.439013303
## LZSE.H.PET	-0.063687517	0.002155320	-0.008971853
## LGLZE.H.PET	-0.127284725	0.126153488	0.613516226
## HGLZE.H.PET	0.262578386	0.189194312	0.547536382
## SZLGE.H.PET	-0.133157185	0.121513970	0.615422502
## SZHGE.H.PET	0.268046054	0.157369575	0.554985862
## LZLGE.H.PET	-0.075820427	0.030527279	0.078283109
## LZHGE.H.PET	-0.089605644	-0.015796402	0.018475643
## GLNU_area.H.PET	0.715202056	0.843936034	-0.284860042
## ZSNU.H.PET	0.665674762	0.801397084	-0.280088383
## ZSP.H.PET	0.306213146	0.216961160	0.307449083
## GLNU_norm.H.PET	-0.108682967	-0.086140274	0.596196806
## ZSNU_norm.H.PET	0.304842103	0.229028820	0.356757877
## GLVAR_area.H.PET	0.445183211	0.319196682	0.241412351
## ZSVAR.H.PET	-0.074426274	-0.007621283	0.004676821
## Entropy_area.H.PET	0.476515973	0.347396757	0.377771391
## Max_cooc.W.PET	-0.199017743	-0.074457525	0.625087648
## Average_cooc.W.PET	0.427009444	0.316576099	0.050591788
## Variance_cooc.W.PET	0.285573755	0.255581082	0.022913291
## Entropy_cooc.W.PET	0.444849575	0.318271369	0.319181233
## DAVE_cooc.W.PET	0.315315182	0.199780620	0.184081172
## DVAR_cooc.W.PET	0.254468755	0.158739598	0.049016865
## DENT_cooc.W.PET	0.386928821	0.256347376	0.369234044
## SAVE_cooc.W.PET	0.427443661	0.316432602	0.049318297
## SVAR_cooc.W.PET	0.292837589	0.290744890	0.009445119
## SENT_cooc.W.PET	0.360003232	0.331328501	0.481082683
## ASM_cooc.W.PET	-0.201719144	-0.003864848	0.648853187
## Contrast_cooc.W.PET	0.241258919	0.140553391	0.055342139
## Dissimilarity_cooc.W.PET	0.315315182	0.199780620	0.184081172
## Inv_diff_cooc.W.PET	0.111703128	0.094429561	0.593573459
## Inv_diff_norm_cooc.W.PET	0.368116555	0.267274483	0.547082087
## IDM_cooc.W.PET	0.040575803	0.048651903	0.551797003
## IDM_norm_cooc.W.PET	0.353694835	0.249159179	0.555607034
## Inv_var_cooc.W.PET	0.078136498	0.080351447	0.566035996
## Correlation_cooc.W.PET	0.365908662	0.454636067	0.252992384

## Autocorrelation_cooc.W.PET	0.381845639	0.284851616	-0.097461042
## Tendency_cooc.W.PET	0.292837589	0.290744890	0.009445119
## Shade_cooc.W.PET	0.108181259	0.160434437	0.044103418
## Prominence_cooc.W.PET	0.141559410	0.135688082	-0.019167645
## IC1_d.W.PET	-0.176934320	-0.188647270	0.103205381
## IC2_d.W.PET	0.291128014	0.359458779	0.484808123
## Coarseness_vdif.W.PET	-0.296006516	-0.088924991	0.788615471
## Contrast_vdif.W.PET	0.011905681	-0.030913574	0.379954705
## Busyness_vdif.W.PET	0.221651787	0.208864196	-0.046199070
## Complexity_vdif.W.PET	0.332938821	0.293775480	-0.048902837
## Strength_vdif.W.PET	-0.108797067	-0.071951184	0.412894194
## SRE_align.W.PET	0.335414595	0.227173801	0.560282886
## LRE_align.W.PET	0.238124600	0.180766751	0.542252962
## GLNU_align.W.PET	0.649301361	0.801271201	-0.256749996
## RLNU_align.W.PET	0.683714762	0.875888524	-0.286630341
## RP_align.W.PET	0.334615443	0.225298234	0.556622934
## LGRE_align.W.PET	-0.122364555	-0.100574945	0.634680987
## HGRE_align.W.PET	0.394701841	0.280719772	-0.104477092
## LGSRE_align.W.PET	-0.121045071	-0.094909767	0.659876688
## HGSRE_align.W.PET	0.390251964	0.274671125	-0.102026221
## LGHRE_align.W.PET	-0.120312506	-0.106238361	0.493189202
## HGLRE_align.W.PET	0.411479516	0.306550603	-0.115571545
## GLNU_norm_align.W.PET	-0.128964405	-0.083509205	0.668760723
## RLNU_norm_align.W.PET	0.335925558	0.225952324	0.534632166
## GLVAR_align.W.PET	0.322911077	0.273708234	-0.017377836
## RLVAR_align.W.PET	-0.011625136	0.076502317	0.347109140
## Entropy_align.W.PET	0.468683796	0.349464210	0.339230955
## SZSE.W.PET	0.351709375	0.241256883	0.526966809
## LZSE.W.PET	-0.100661074	-0.045184579	0.172359605
## LGLZE.W.PET	-0.114582357	-0.090542241	0.628151558
## HGLZE.W.PET	0.393109395	0.278892156	-0.095565833
## SZLGE.W.PET	-0.096021666	-0.064299845	0.685649549
## SZHGE.W.PET	0.381590834	0.264244613	-0.087304364
## LZLGE.W.PET	-0.119062215	-0.075237894	0.130666456
## LZHGE.W.PET	0.320433467	0.290740749	-0.105741383
## GLNU_area.W.PET	0.690456946	0.833541347	-0.270193497
## ZSNU.W.PET	0.681617961	0.850465946	-0.282738121
## ZSP.W.PET	0.354264870	0.246068836	0.449086959
## GLNU_norm.W.PET	-0.131220010	-0.077735751	0.670251697
## ZSNU_norm.W.PET	0.335684605	0.235545419	0.463350396
## GLVAR_area.W.PET	0.323722622	0.270273500	-0.010986884
## ZSVAR.W.PET	-0.120146841	-0.054979030	0.116843498
## Entropy_area.W.PET	0.469182646	0.344863509	0.370757915
## Min_hist.ADC	-0.017048501	-0.135571853	0.354914971
## Max_hist.ADC	0.413986751	0.262175521	0.436823039
## Mean_hist.ADC	0.229531245	0.141071208	0.561636118
## Variance_hist.ADC	0.297187837	0.307893476	0.191666722
## Standard_Deviation_hist.ADC	0.357960621	0.301072862	0.358174737
## Skewness_hist.ADC	0.275578973	0.064958942	0.013254434
## Kurtosis_hist.ADC	0.068999899	0.106731297	0.227665354
## Energy_hist.ADC	-0.171856833	0.086517077	0.649366343
## Entropy_hist.ADC	0.400895462	0.300887697	0.459747488
## AUC_hist.ADC	0.395273242	0.236177304	0.523700213
## Volume.ADC	0.975462522	0.397757251	-0.272042918

## X3D_surface.ADC	0.619120860	0.352168320	-0.015853559
## ratio_3ds_vol.ADC	-0.029487917	-0.041236782	0.607534769
## ratio_3ds_vol_norm.ADC	0.507083491	0.267323482	0.456790794
## irregularity.ADC	0.250602322	0.144979492	0.593478622
## Compactness_v1.ADC	-0.088680893	0.129384195	0.713678987
##	ratio_3ds_vol_norm.PET	irregularity.PET	
## Failure	0.04613443	0.026812303	
## Entropy_cooc.W.ADC	0.13310123	-0.001739099	
## GLNU_align.H.PET	0.19835040	-0.114869507	
## Min_hist.PET	0.20427880	0.473574491	
## Max_hist.PET	0.31688597	0.451310534	
## Mean_hist.PET	0.21718485	0.452993829	
## Variance_hist.PET	0.19110089	0.188909585	
## Standard_Deviation_hist.PET	0.31660715	0.450679358	
## Skewness_hist.PET	0.50554992	0.581420298	
## Kurtosis_hist.PET	0.30728169	0.158093219	
## Energy_hist.PET	0.60907582	0.489489404	
## Entropy_hist.PET	0.47842940	0.783499349	
## AUC_hist.PET	0.60708127	0.964453176	
## H_suv.PET	0.34205879	0.493035645	
## Volume.PET	-0.04670221	0.192634321	
## X3D_surface.PET	0.40866890	0.111517593	
## ratio_3ds_vol.PET	0.76398929	0.683271135	
## ratio_3ds_vol_norm.PET	1.00000000	0.565960295	
## irregularity.PET	0.56596030	1.000000000	
## tumor_length.PET	0.66532232	0.481543190	
## Compactness_v1.PET	0.45697192	0.537613302	
## Compactness_v2.PET	-0.43281300	0.176363389	
## Spherical_disproportion.PET	1.00000000	0.565960295	
## Sphericity.PET	-0.50707706	0.175747126	
## Asphericity.PET	0.99964123	0.544773551	
## Center_of_mass.PET	0.51891492	0.292128965	
## Max_3D_diam.PET	0.06089858	0.327920923	
## Major_axis_length.PET	0.23268227	0.370909390	
## Minor_axis_length.PET	0.47026956	0.506748535	
## Least_axis_length.PET	0.31195218	0.393116120	
## Elongation.PET	0.60359898	0.831198090	
## Flatness.PET	0.47703577	0.736354787	
## Max_cooc.L.PET	0.65305515	0.491494273	
## Average_cooc.L.PET	0.36061502	0.805570383	
## Variance_cooc.L.PET	0.32017053	0.725085911	
## Entropy_cooc.L.PET	0.51714906	0.925666299	
## DAVE_cooc.L.PET	0.32015662	0.810522808	
## DVAR_cooc.L.PET	0.37026087	0.730245182	
## DENT_cooc.L.PET	0.50103291	0.962709397	
## SAVE_cooc.L.PET	0.35999274	0.805367175	
## SVAR_cooc.L.PET	0.37400429	0.719385527	
## SENT_cooc.L.PET	0.64368772	0.956548704	
## ASM_cooc.L.PET	0.63746211	0.453066785	
## Contrast_cooc.L.PET	0.19140798	0.636462797	
## Dissimilarity_cooc.L.PET	0.32015662	0.810522808	
## Inv_diff_cooc.L.PET	0.68517349	0.785193655	
## Inv_diff_norm_cooc.L.PET	0.60542780	0.951407302	
## IDM_cooc.L.PET	0.70184308	0.696592586	

## IDM_norm_cooc.L.PET	0.59565911	0.959085969
## Inv_var_cooc.L.PET	0.70348833	0.702389600
## Correlation_cooc.L.PET	0.59763342	0.584291353
## Autocorrelation_cooc.L.PET	0.25218453	0.616237272
## Tendency_cooc.L.PET	0.37400429	0.719385527
## Shade_cooc.L.PET	0.33051278	0.417376349
## Prominence_cooc.L.PET	0.33322071	0.564926587
## IC1_.L.PET	-0.13829469	-0.510241988
## IC2_.L.PET	0.61029921	0.947897753
## Coarseness_vdif_.L.PET	0.58005436	0.560811303
## Contrast_vdif_.L.PET	0.07694010	0.364088607
## Busyness_vdif_.L.PET	0.15772400	0.179018407
## Complexity_vdif_.L.PET	0.39157922	0.788917162
## Strength_vdif_.L.PET	0.23632380	0.484030509
## SRE_align.L.PET	0.58192157	0.971620668
## LRE_align.L.PET	0.60122349	0.946452276
## GLNU_align.L.PET	0.23475369	0.124439752
## RLNU_align.L.PET	0.15325049	0.089072213
## RP_align.L.PET	0.57986589	0.972328195
## LGRE_align.L.PET	0.65125881	0.661737090
## HGRE_align.L.PET	0.24606678	0.639538333
## LGSRE_align.L.PET	0.65442435	0.667027194
## HGSRE_align.L.PET	0.24472310	0.640679020
## LGHRE_align.L.PET	0.63711521	0.636388265
## HGLRE_align.L.PET	0.25118979	0.632751907
## GLNU_norm_align.L.PET	0.72552860	0.699033562
## RLNU_norm_align.L.PET	0.57362696	0.974050022
## GLVAR_align.L.PET	0.31870072	0.728461823
## RLVAR_align.L.PET	0.73901840	0.582509352
## Entropy_align.L.PET	0.53244956	0.933435275
## SZSE.L.PET	0.56392164	0.961024570
## LZSE.L.PET	0.47628337	0.617915366
## LGLZE.L.PET	0.65761412	0.672477292
## HGLZE.L.PET	0.25103697	0.651516278
## SZLGE.L.PET	0.65840656	0.686764138
## SZHGE.L.PET	0.24924521	0.657925286
## LZLGE.L.PET	0.58036691	0.514342929
## LZHGE.L.PET	0.22014985	0.487360555
## GLNU_area.L.PET	0.22080356	0.126424313
## ZSNU.L.PET	0.13050995	0.091433477
## ZSP.L.PET	0.55371352	0.969904691
## GLNU_norm.L.PET	0.72476961	0.697901814
## ZSNU_norm.L.PET	0.54575295	0.973177534
## GLVAR_area.L.PET	0.32706843	0.739548424
## ZSVAR.L.PET	0.53933376	0.354338705
## Entropy_area.L.PET	0.54525661	0.927987024
## Max_cooc.H.PET	0.32349271	0.417145301
## Average_cooc.H.PET	0.56389259	0.974420495
## Variance_cooc.H.PET	0.44598216	0.763207307
## Entropy_cooc.H.PET	0.42458269	0.786128361
## DAVE_cooc.H.PET	0.39668809	0.831324858
## DVAR_cooc.H.PET	0.35967746	0.810295636
## DENT_cooc.H.PET	0.38582895	0.698854649
## SAVE_cooc.H.PET	0.55969590	0.959056738

## SVAR_cooc.H.PET	0.50403953	0.743927852
## SENT_cooc.H.PET	0.77593205	0.647636748
## ASM_cooc.H.PET	0.35545321	0.384333479
## Contrast_cooc.H.PET	0.30195472	0.736176919
## Dissimilarity_cooc.H.PET	0.39668809	0.831324858
## Inv_diff_cooc.H.PET	0.52579575	0.714129947
## Inv_diff_norm_cooc.H.PET	0.60640401	0.969169892
## IDM_cooc.H.PET	0.47348973	0.621432526
## IDM_norm_cooc.H.PET	0.59849276	0.969160816
## Inv_var_cooc_.H.PET	0.73517482	0.570330791
## Correlation_cooc.H.PET	0.59008213	0.582153439
## Autocorrelation_cooc.H.PET	0.55391695	0.938544432
## Tendency_cooc.H.PET	0.48383577	0.709544962
## Shade_cooc.H.PET	-0.16744984	-0.318166061
## Prominence_cooc.H.PET	0.34874024	0.467188082
## IC1_d.H.PET	-0.10578779	-0.077294610
## IC2_d.H.PET	0.63535154	0.714927089
## Coarseness_vdif.H.PET	0.62282817	0.458308535
## Contrast_vdif.H.PET	0.15782637	0.375223732
## Busyness_vdif.H.PET	-0.40531521	0.051590906
## Complexity_vdif.H.PET	0.69848284	0.673207280
## Strength_vdif.H.PET	0.04958079	0.104605365
## SRE_align.H.PET	0.54900090	0.933131482
## LRE_align.H.PET	0.41905325	0.641870606
## RLNU_align.H.PET	0.14753155	0.090543689
## RP_align.H.PET	0.53667429	0.922526420
## LGRE_align.H.PET	0.63374467	0.460105593
## HGRE_align.H.PET	0.54061121	0.943202869
## LGSRE_align.H.PET	0.63247019	0.458195577
## HGSRE_align.H.PET	0.53834358	0.979985462
## LGHRE_align.H.PET	0.64244700	0.469958760
## HGLRE_align.H.PET	0.34502227	0.462229088
## GLNU_norm_align.H.PET	0.40755479	0.606118317
## RLNU_norm_align.H.PET	0.49635212	0.866279091
## GLVAR_align.H.PET	0.41638140	0.720242893
## RLVAR_align.H.PET	0.31198599	0.288754215
## Entropy_align.H.PET	0.51122797	0.808441637
## SZSE.H.PET	0.48160187	0.808914412
## LZSE.H.PET	0.04844164	-0.057047489
## LGLZE.H.PET	0.63327906	0.460512188
## HGLZE.H.PET	0.54494913	0.864020233
## SZLGE.H.PET	0.63076106	0.456206646
## SZHGE.H.PET	0.46498148	0.847492468
## LZLGE.H.PET	0.16071556	0.003991098
## LZHGE.H.PET	0.05055117	-0.039039713
## GLNU_area.H.PET	0.12693908	0.128640249
## ZSNU.H.PET	0.10742164	0.072469424
## ZSP.H.PET	0.32416800	0.625208500
## GLNU_norm.H.PET	0.40961254	0.606362666
## ZSNU_norm.H.PET	0.39324170	0.673177285
## GLVAR_area.H.PET	0.40407591	0.699389185
## ZSVAR_H.PET	0.05362397	-0.050204326
## Entropy_area.H.PET	0.54698837	0.862505289
## Max_cooc.W.PET	0.42580421	0.444714920

## Average_cooc.W.PET	0.25225094	0.428573666
## Variance_cooc.W.PET	0.20545056	0.199173010
## Entropy_cooc.W.PET	0.45618117	0.772661892
## DAVE_cooc.W.PET	0.25543585	0.487073438
## DVAR_cooc.W.PET	0.14759764	0.241262475
## DENT_cooc.W.PET	0.43940418	0.777089286
## SAVE_cooc.W.PET	0.25101978	0.427772912
## SVAR_cooc.W.PET	0.22708728	0.172220588
## SENT_cooc.W.PET	0.60919024	0.828339220
## ASM_cooc.W.PET	0.52586443	0.449812093
## Contrast_cooc.W.PET	0.12965920	0.251405746
## Dissimilarity_cooc.W.PET	0.25543585	0.487073438
## Inv_diff_cooc.W.PET	0.53568723	0.782426350
## Inv_diff_norm_cooc.W.PET	0.60602226	0.953144014
## IDM_cooc.W.PET	0.47774147	0.664551944
## IDM_norm_cooc.W.PET	0.59568798	0.959764906
## Inv_var_cooc.W.PET	0.51357958	0.722982762
## Correlation_cooc.W.PET	0.59640598	0.581240553
## Autocorrelation_cooc.W.PET	0.13166608	0.172670945
## Tendency_cooc.W.PET	0.22708728	0.172220588
## Shade_cooc.W.PET	0.20261255	0.018134996
## Prominence_cooc.W.PET	0.14241203	-0.022644777
## IC1_d.W.PET	-0.07466103	-0.121064738
## IC2_d.W.PET	0.65798393	0.808428390
## Coarseness_vdif.W.PET	0.51675777	0.552444941
## Contrast_vdif.W.PET	0.23544815	0.485427027
## Busyness_vdif.W.PET	0.05869075	0.206125648
## Complexity_vdif.W.PET	0.20606739	0.097837254
## Strength_vdif.W.PET	0.27619630	0.321642787
## SRE_align.W.PET	0.57274201	0.957475277
## LRE_align.W.PET	0.56207797	0.855633788
## GLNU_align.W.PET	0.17301931	0.132460218
## RLNU_align.W.PET	0.15596955	0.090676966
## RP_align.W.PET	0.56611874	0.952766484
## LGRE_align.W.PET	0.42083483	0.593137246
## HGRE_align.W.PET	0.12297647	0.171960184
## LGSRE_align.W.PET	0.44436176	0.627469784
## HGSRE_align.W.PET	0.11988942	0.169507169
## LGHRE_align.W.PET	0.31631111	0.423170562
## HGLRE_align.W.PET	0.13654968	0.180824576
## GLNU_norm_align.W.PET	0.45257762	0.609518950
## RLNU_norm_align.W.PET	0.54758531	0.928834328
## GLVAR_align.W.PET	0.19025946	0.188401862
## RLVAR_align.W.PET	0.39365800	0.373984368
## Entropy_align.W.PET	0.50245316	0.813968569
## SZSE.W.PET	0.53404044	0.911256512
## LZSE.W.PET	0.15803213	0.153587519
## LGLZE.W.PET	0.43840737	0.607051853
## HGLZE.W.PET	0.12720503	0.177510485
## SZLGE.W.PET	0.49792861	0.677347000
## SZHGE.W.PET	0.11711055	0.172708600
## LZLGE.W.PET	0.07142223	0.042389003
## LZHGE.W.PET	0.21061292	0.181903000
## GLNU_area.W.PET	0.15510203	0.138449994

## ZSNU.W.PET	0.13244496	0.085456905
## ZSP.W.PET	0.46412601	0.829720903
## GLNU_norm.W.PET	0.46553366	0.624896895
## ZSNU_norm.W.PET	0.46803836	0.828205803
## GLVAR_area.W.PET	0.19646046	0.192806877
## ZSVAR.W.PET	0.10532261	0.067190667
## Entropy_area.W.PET	0.54010269	0.852283074
## Min_hist.ADC	0.14231466	0.408570476
## Max_hist.ADC	0.51592635	0.840678644
## Mean_hist.ADC	0.46802888	0.888027518
## Variance_hist.ADC	0.32553526	0.418715237
## Standard_Deviation_hist.ADC	0.45092403	0.691316987
## Skewness_hist.ADC	0.16333601	0.168454446
## Kurtosis_hist.ADC	0.33679885	0.252743693
## Energy_hist.ADC	0.63147443	0.467818338
## Entropy_hist.ADC	0.55833732	0.896465036
## AUC_hist.ADC	0.57125815	0.926472463
## Volume.ADC	-0.04809987	0.190200583
## X3D_surface.ADC	0.23834845	0.319268476
## ratio_3ds_vol.ADC	0.39837597	0.703066882
## ratio_3ds_vol_norm.ADC	0.48336839	0.894240485
## irregularity.ADC	0.54176568	0.945275233
## Compactness_v1.ADC	0.70967826	0.693420381
##	tumor_length.PET	Compactness_v1.PET
## Failure	-0.111866114	-0.0004542873
## Entropy_cooc.W.ADC	0.204888825	-0.0679690004
## GLNU_align.H.PET	0.309734496	0.0035103096
## Min_hist.PET	0.395421143	0.2438783372
## Max_hist.PET	0.574077620	0.2685950408
## Mean_hist.PET	0.451696056	0.2489816292
## Variance_hist.PET	0.374788249	0.1305559119
## Standard_Deviation_hist.PET	0.524154545	0.2694061734
## Skewness_hist.PET	0.325843938	0.3158318129
## Kurtosis_hist.PET	0.219663942	0.1417485137
## Energy_hist.PET	0.239259860	0.8895080191
## Entropy_hist.PET	0.693028978	0.4120671584
## AUC_hist.PET	0.613270078	0.5919789933
## H_suv.PET	0.415800480	0.3323334965
## Volume.PET	0.400145203	0.0639019794
## X3D_surface.PET	0.810445931	0.1126690673
## ratio_3ds_vol.PET	0.196991850	0.4529098612
## ratio_3ds_vol_norm.PET	0.665322323	0.4569719224
## irregularity.PET	0.481543190	0.5376133016
## tumor_length.PET	1.000000000	0.3568515452
## Compactness_v1.PET	0.356851545	1.0000000000
## Compactness_v2.PET	0.093686874	0.1378000782
## Spherical_disproportion.PET	0.665322323	0.4569719224
## Sphericity.PET	0.040466003	-0.0151916494
## Asphericity.PET	0.657782305	0.4484537802
## Center_of_mass.PET	0.705494492	0.1873745149
## Max_3D_diam.PET	0.642846338	0.1078742531
## Major_axis_length.PET	0.721895894	0.1813170706
## Minor_axis_length.PET	0.863498173	0.2935652645
## Least_axis_length.PET	0.805847805	0.2022463317

## Elongation.PET	0.479495693	0.5087741703
## Flatness.PET	0.492668719	0.4429209387
## Max_cooc.L.PET	0.323061520	0.9106661044
## Average_cooc.L.PET	0.329646500	0.4234451380
## Variance_cooc.L.PET	0.064702323	0.3099342837
## Entropy_cooc.L.PET	0.598593150	0.4936495799
## DAVE_cooc.L.PET	0.139365316	0.4000049263
## DVAR_cooc.L.PET	0.130715008	0.4095923973
## DENT_cooc.L.PET	0.469667659	0.5073029601
## SAVE_cooc.L.PET	0.329400788	0.4224959990
## SVAR_cooc.L.PET	0.143359700	0.2878486467
## SENT_cooc.L.PET	0.560383479	0.5306644495
## ASM_cooc.L.PET	0.319558325	0.9144210313
## Contrast_cooc.L.PET	-0.069019586	0.3030324595
## Dissimilarity_cooc.L.PET	0.139365316	0.4000049263
## Inv_diff_cooc.L.PET	0.755262398	0.6190901078
## Inv_diff_norm_cooc.L.PET	0.652338615	0.5599045677
## IDM_cooc.L.PET	0.741509285	0.6490558510
## IDM_norm_cooc.L.PET	0.632629469	0.5568632725
## Inv_var_cooc.L.PET	0.748147791	0.6508837657
## Correlation_cooc.L.PET	0.717314253	0.3589593003
## Autocorrelation_cooc.L.PET	0.163557647	0.3170742832
## Tendency_cooc.L.PET	0.143359700	0.2878486467
## Shade_cooc.L.PET	0.079526495	0.0780410628
## Prominence_cooc.L.PET	-0.010298992	0.1717327220
## IC1_.L.PET	0.140210971	0.0912806005
## IC2_.L.PET	0.403324840	0.5340443602
## Coarseness_vdif_.L.PET	0.150437829	0.8188001186
## Contrast_vdif_.L.PET	-0.194580048	0.1827680190
## Busyness_vdif_.L.PET	0.666755603	0.1227985091
## Complexity_vdif_.L.PET	0.134874424	0.4224131078
## Strength_vdif_.L.PET	-0.206874390	0.2117206605
## SRE_align.L.PET	0.590814934	0.5590914664
## LRE_align.L.PET	0.651215283	0.5438690291
## GLNU_align.L.PET	0.732145418	0.0851249373
## RLNU_align.L.PET	0.716793662	0.0448485907
## RP_align.L.PET	0.586161115	0.5585864330
## LGRE_align.L.PET	0.400974425	0.6398059137
## HGRE_align.L.PET	0.159676531	0.3390474189
## LGSRE_align.L.PET	0.399366018	0.6494240943
## HGSRE_align.L.PET	0.152342994	0.3396210827
## LGHRE_align.L.PET	0.406597086	0.5996611183
## HGLRE_align.L.PET	0.189756032	0.3352049611
## GLNU_norm_align.L.PET	0.458355662	0.8663458159
## RLNU_norm_align.L.PET	0.570425969	0.5575140716
## GLVAR_align.L.PET	0.112517814	0.3287074467
## RLVAR_align.L.PET	0.661513225	0.8193274438
## Entropy_align.L.PET	0.606199949	0.5039819297
## SZSE.L.PET	0.559792229	0.5685175874
## LZSE.L.PET	0.553671854	0.3195547706
## LGLZE.L.PET	0.405263778	0.6516950841
## HGLZE.L.PET	0.161038174	0.3423646183
## SZLGE.L.PET	0.392352734	0.6835318116
## SZHGE.L.PET	0.144926380	0.3535034545

## LZLGE.L.PET	0.412335839	0.4553237608
## LZHGE.L.PET	0.203763183	0.2270795282
## GLNU_area.L.PET	0.730916897	0.0853950925
## ZSNU.L.PET	0.705402459	0.0445185682
## ZSP.L.PET	0.544395878	0.5651806748
## GLNU_norm.L.PET	0.459924739	0.8706883572
## ZSNU_norm.L.PET	0.524247780	0.5595820601
## GLVAR_area.L.PET	0.118754790	0.3371764987
## ZSVAR.L.PET	0.598771201	0.3297940244
## Entropy_area.L.PET	0.631012897	0.5023524807
## Max_cooc.H.PET	0.034187839	0.3439866317
## Average_cooc.H.PET	0.522180712	0.5124214302
## Variance_cooc.H.PET	0.624040701	0.4464345508
## Entropy_cooc.H.PET	0.501028142	0.4082567609
## DAVE_cooc.H.PET	0.458267001	0.4701521712
## DVAR_cooc.H.PET	0.428649542	0.4833329880
## DENT_cooc.H.PET	0.580720307	0.3453562599
## SAVE_cooc.H.PET	0.561466279	0.5060476139
## SVAR_cooc.H.PET	0.677486453	0.4250034908
## SENT_cooc.H.PET	0.589129122	0.4806345863
## ASM_cooc.H.PET	0.071574610	0.4281235087
## Contrast_cooc.H.PET	0.364685044	0.4355562875
## Dissimilarity_cooc.H.PET	0.458267001	0.4701521712
## Inv_diff_cooc.H.PET	0.369295907	0.4635558421
## Inv_diff_norm_cooc.H.PET	0.613329172	0.5610333266
## IDM_cooc.H.PET	0.288519023	0.4165243930
## IDM_norm_cooc.H.PET	0.612440823	0.5570168297
## Inv_var_cooc_.H.PET	0.537368698	0.8552967736
## Correlation_cooc.H.PET	0.730444051	0.3662591899
## Autocorrelation_cooc.H.PET	0.465194952	0.4875094440
## Tendency_cooc.H.PET	0.708330183	0.4122793935
## Shade_cooc.H.PET	-0.359360231	-0.2328411662
## Prominence_cooc.H.PET	0.661307335	0.2975440743
## IC1_d.H.PET	-0.277579804	0.3530485149
## IC2_d.H.PET	0.736833464	0.4261949580
## Coarseness_vdif.H.PET	0.282572399	0.9046096123
## Contrast_vdif.H.PET	-0.055845559	0.2375839041
## Busyness_vdif.H.PET	0.031422570	-0.1315806416
## Complexity_vdif.H.PET	0.350287229	0.5149602907
## Strength_vdif.H.PET	-0.089532453	0.0799923173
## SRE_align.H.PET	0.591064314	0.5483406302
## LRE_align.H.PET	0.378793524	0.3311189947
## RLNU_align.H.PET	0.703057403	0.0642371025
## RP_align.H.PET	0.578128221	0.5436166847
## LGRE_align.H.PET	0.348201102	0.9216361872
## HGRE_align.H.PET	0.465747218	0.4940817731
## LGSRE_align.H.PET	0.345347214	0.9212736372
## HGSRE_align.H.PET	0.487593543	0.5162736702
## LGHRE_align.H.PET	0.364528889	0.9227483249
## HGLRE_align.H.PET	0.245626618	0.2277575785
## GLNU_norm_align.H.PET	0.125120861	0.4122625389
## RLNU_norm_align.H.PET	0.551185131	0.5185477771
## GLVAR_align.H.PET	0.630334656	0.4301525678
## RLVAR_align.H.PET	0.215383825	0.1706249512

## Entropy_align.H.PET	0.703970615	0.4543558177
## SZSE.H.PET	0.568985542	0.4978419151
## LZSE.H.PET	0.016270338	-0.1149283650
## LGLZE.H.PET	0.350339254	0.9199143460
## HGLZE.H.PET	0.534328899	0.4295659395
## SZLGE.H.PET	0.342838478	0.9191593961
## SZHGE.H.PET	0.449894434	0.4359489242
## LZLGE.H.PET	0.071511544	0.0051983537
## LZHGE.H.PET	0.008307311	-0.0738365002
## GLNU_area.H.PET	0.688216563	0.0561991272
## ZSNU.H.PET	0.639242724	0.0683259856
## ZSP.H.PET	0.441522874	0.3909838287
## GLNU_norm.H.PET	0.134867539	0.4130091120
## ZSNU_norm.H.PET	0.491538845	0.4216468328
## GLVAR_area.H.PET	0.618681242	0.4150660808
## ZSVAR_H.PET	0.011819120	-0.0931725857
## Entropy_area.H.PET	0.711805318	0.4896025546
## Max_cooc.W.PET	0.096851441	0.5555552380
## Average_cooc.W.PET	0.516060265	0.2601494459
## Variance_cooc.W.PET	0.354798356	0.1273497640
## Entropy_cooc.W.PET	0.638197218	0.4279449597
## DAVE_cooc.W.PET	0.402695194	0.2690849771
## DVAR_cooc.W.PET	0.278807536	0.1384471566
## DENT_cooc.W.PET	0.570468589	0.4311275083
## SAVE_cooc.W.PET	0.515536118	0.2583316711
## SVAR_cooc.W.PET	0.379638208	0.1190848047
## SENT_cooc.W.PET	0.666247894	0.4805711525
## ASM_cooc.W.PET	0.189502473	0.7216464361
## Contrast_cooc.W.PET	0.257680446	0.1364650242
## Dissimilarity_cooc.W.PET	0.402695194	0.2690849771
## Inv_diff_cooc.W.PET	0.397266700	0.4963922386
## Inv_diff_norm_cooc.W.PET	0.649869530	0.5608993186
## IDM_cooc.W.PET	0.304635911	0.4384728971
## IDM_norm_cooc.W.PET	0.631548242	0.5575084184
## Inv_var_cooc.W.PET	0.357470156	0.4842046244
## Correlation_cooc.W.PET	0.721288581	0.3584427970
## Autocorrelation_cooc.W.PET	0.389552217	0.1276238103
## Tendency_cooc.W.PET	0.379638208	0.1190848047
## Shade_cooc.W.PET	0.198170975	0.0440081156
## Prominence_cooc.W.PET	0.172483317	0.0271018522
## IC1_d.W.PET	-0.209839132	0.4189399823
## IC2_d.W.PET	0.681051397	0.4719138346
## Coarseness_vdif.W.PET	0.080549253	0.7496958418
## Contrast_vdif.W.PET	0.143857581	0.3052154665
## Busyness_vdif.W.PET	0.199780970	-0.0375725492
## Complexity_vdif.W.PET	0.375047067	0.1059565071
## Strength_vdif.W.PET	0.049029607	0.1444745741
## SRE_align.W.PET	0.602720188	0.5564248989
## LRE_align.W.PET	0.525962492	0.4655749283
## GLNU_align.W.PET	0.671228614	0.0275813132
## RLNU_align.W.PET	0.713812226	0.0578459672
## RP_align.W.PET	0.598339531	0.5545702481
## LGRE_align.W.PET	0.107637506	0.3833439294
## HGRE_align.W.PET	0.385473197	0.1258314038

## LGSRE_align.W.PET	0.124492469	0.4163027143
## HGSRE_align.W.PET	0.377401542	0.1235607006
## LGHRE_align.W.PET	0.052324368	0.2384036841
## HGLRE_align.W.PET	0.419661770	0.1339640697
## GLNU_norm_align.W.PET	0.139533017	0.5017360112
## RLNU_norm_align.W.PET	0.590989321	0.5443992860
## GLVAR_align.W.PET	0.375528777	0.1292291431
## RLVAR_align.W.PET	0.249724665	0.3058401436
## Entropy_align.W.PET	0.689053451	0.4567779821
## SZSE.W.PET	0.583724557	0.5528925532
## LZSE.W.PET	0.062144125	0.0395199113
## LGLZE.W.PET	0.133645676	0.4047414135
## HGLZE.W.PET	0.383470164	0.1268530694
## SZLGE.W.PET	0.185667658	0.4977318134
## SZHGE.W.PET	0.359942804	0.1233087262
## LZLGE.W.PET	-0.022541155	-0.0370068676
## LZHGE.W.PET	0.464183432	0.1187894591
## GLNU_area.W.PET	0.689219613	0.0454687604
## ZSNU.W.PET	0.684225919	0.0678601259
## ZSP.W.PET	0.551952703	0.5044105450
## GLNU_norm.W.PET	0.151759659	0.5182044444
## ZSNU_norm.W.PET	0.547346760	0.5041538366
## GLVAR_area.W.PET	0.376297321	0.1325420570
## ZSVAR.W.PET	0.017295733	0.0003860531
## Entropy_area.W.PET	0.707438494	0.4748133980
## Min_hist.ADC	0.017788702	0.2439294175
## Max_hist.ADC	0.602210361	0.4705167901
## Mean_hist.ADC	0.466912158	0.4600340447
## Variance_hist.ADC	0.443933426	0.3076815874
## Standard_Deviation_hist.ADC	0.549176900	0.4238087030
## Skewness_hist.ADC	0.200423520	0.1820403756
## Kurtosis_hist.ADC	0.262711314	0.1080067081
## Energy_hist.ADC	0.305350785	0.9115407795
## Entropy_hist.ADC	0.664093177	0.4832786402
## AUC_hist.ADC	0.604157912	0.5732399750
## Volume.ADC	0.378534996	0.0517124502
## X3D_surface.ADC	0.477992194	0.2078447109
## ratio_3ds_vol.ADC	0.201250415	0.4927090779
## ratio_3ds_vol_norm.ADC	0.580175397	0.4822099308
## irregularity.ADC	0.514987347	0.5523007105
## Compactness_v1.ADC	0.444414982	0.9016830763
##	Compactness_v2.PET	Spherical_disproportion.PET
## Failure	-0.115104310	0.04613443
## Entropy_cooc.W.ADC	-0.105319630	0.13310123
## GLNU_align.H.PET	-0.112535461	0.19835040
## Min_hist.PET	0.329063864	0.20427880
## Max_hist.PET	0.347659438	0.31688597
## Mean_hist.PET	0.350748669	0.21718485
## Variance_hist.PET	0.230242153	0.19110089
## Standard_Deviation_hist.PET	0.297493784	0.31660715
## Skewness_hist.PET	0.019549644	0.50554992
## Kurtosis_hist.PET	-0.026725403	0.30728169
## Energy_hist.PET	-0.284732468	0.60907582
## Entropy_hist.PET	0.279553556	0.47842940

## AUC_hist.PET	0.213352355	0.60708127
## H_suv.PET	0.193575234	0.34205879
## Volume.PET	0.501861440	-0.04670221
## X3D_surface.PET	0.009997249	0.40866890
## ratio_3ds_vol.PET	-0.449679923	0.76398929
## ratio_3ds_vol_norm.PET	-0.432813002	1.00000000
## irregularity.PET	0.176363389	0.56596030
## tumor_length.PET	0.093686874	0.66532232
## Compactness_v1.PET	0.137800078	0.45697192
## Compactness_v2.PET	1.000000000	-0.43281300
## Spherical_disproportion.PET	-0.432813002	1.00000000
## Sphericity.PET	0.960433201	-0.50707706
## Asphericity.PET	-0.448738630	0.99964123
## Center_of_mass.PET	0.040934796	0.51891492
## Max_3D_diam.PET	0.644678013	0.06089858
## Major_axis_length.PET	0.490568897	0.23268227
## Minor_axis_length.PET	0.355751323	0.47026956
## Least_axis_length.PET	0.431173442	0.31195218
## Elongation.PET	0.030676781	0.60359898
## Flatness.PET	0.126722559	0.47703577
## Max_cooc.L.PET	-0.262577521	0.65305515
## Average_cooc.L.PET	0.161830577	0.36061502
## Variance_cooc.L.PET	-0.018232246	0.32017053
## Entropy_cooc.L.PET	0.278260034	0.51714906
## DAVE_cooc.L.PET	0.081278703	0.32015662
## DVAR_cooc.L.PET	0.012894548	0.37026087
## DENT_cooc.L.PET	0.213553792	0.50103291
## SAVE_cooc.L.PET	0.162232880	0.35999274
## SVAR_cooc.L.PET	-0.021561481	0.37400429
## SENT_cooc.L.PET	0.064688152	0.64368772
## ASM_cooc.L.PET	-0.268274395	0.63746211
## Contrast_cooc.L.PET	-0.010407390	0.19140798
## Dissimilarity_cooc.L.PET	0.081278703	0.32015662
## Inv_diff_cooc.L.PET	0.174746882	0.68517349
## Inv_diff_norm_cooc.L.PET	0.242728462	0.60542780
## IDM_cooc.L.PET	0.110322574	0.70184308
## IDM_norm_cooc.L.PET	0.239907233	0.59565911
## Inv_var_cooc.L.PET	0.122195824	0.70348833
## Correlation_cooc.L.PET	0.134771063	0.59763342
## Autocorrelation_cooc.L.PET	0.058274172	0.25218453
## Tendency_cooc.L.PET	-0.021561481	0.37400429
## Shade_cooc.L.PET	-0.075018183	0.33051278
## Prominence_cooc.L.PET	-0.140851718	0.33322071
## IC1_.L.PET	0.050991316	-0.13829469
## IC2_.L.PET	0.026694612	0.61029921
## Coarseness_vdif_.L.PET	-0.294413962	0.58005436
## Contrast_vdif_.L.PET	-0.090198379	0.07694010
## Busyness_vdif_.L.PET	0.360983688	0.15772400
## Complexity_vdif_.L.PET	-0.023738344	0.39157922
## Strength_vdif_.L.PET	-0.211847728	0.23632380
## SRE_align.L.PET	0.227399098	0.58192157
## LRE_align.L.PET	0.237783864	0.60122349
## GLNU_align.L.PET	0.271404516	0.23475369
## RLNU_align.L.PET	0.312552575	0.15325049

## RP_align.L.PET	0.225661152	0.57986589
## LGRE_align.L.PET	-0.084983803	0.65125881
## HGRE_align.L.PET	0.075752270	0.24606678
## LGSRE_align.L.PET	-0.087880300	0.65442435
## HGSRE_align.L.PET	0.073561240	0.24472310
## LGHRE_align.L.PET	-0.074278227	0.63711521
## HGLRE_align.L.PET	0.084016346	0.25118979
## GLNU_norm_align.L.PET	-0.135517640	0.72552860
## RLNU_norm_align.L.PET	0.219344504	0.57362696
## GLVAR_align.L.PET	0.013875158	0.31870072
## RLVAR_align.L.PET	-0.054506199	0.73901840
## Entropy_align.L.PET	0.269383784	0.53244956
## SZSE.L.PET	0.236385046	0.56392164
## LZSE.L.PET	0.105633381	0.47628337
## LGLZE.L.PET	-0.088190815	0.65761412
## HGLZE.L.PET	0.078013001	0.25103697
## SZLGE.L.PET	-0.090192205	0.65840656
## SZHGE.L.PET	0.086137696	0.24924521
## LZLGE.L.PET	-0.074327772	0.58036691
## LZHGE.L.PET	0.023010332	0.22014985
## GLNU_area.L.PET	0.288079311	0.22080356
## ZSNU.L.PET	0.335863486	0.13050995
## ZSP.L.PET	0.234044158	0.55371352
## GLNU_norm.L.PET	-0.134691026	0.72476961
## ZSNU_norm.L.PET	0.218096747	0.54575295
## GLVAR_area.L.PET	0.014481128	0.32706843
## ZSVAR.L.PET	-0.021208213	0.53933376
## Entropy_area.L.PET	0.271601528	0.54525661
## Max_cooc.H.PET	-0.159386818	0.32349271
## Average_cooc.H.PET	0.191278514	0.56389259
## Variance_cooc.H.PET	0.296006650	0.44598216
## Entropy_cooc.H.PET	0.329041230	0.42458269
## DAVE_cooc.H.PET	0.262209487	0.39668809
## DVAR_cooc.H.PET	0.261704441	0.35967746
## DENT_cooc.H.PET	0.331358195	0.38582895
## SAVE_cooc.H.PET	0.221450938	0.55969590
## SVAR_cooc.H.PET	0.220227061	0.50403953
## SENT_cooc.H.PET	-0.283402982	0.77593205
## ASM_cooc.H.PET	-0.187245143	0.35545321
## Contrast_cooc.H.PET	0.245513482	0.30195472
## Dissimilarity_cooc.H.PET	0.262209487	0.39668809
## Inv_diff_cooc.H.PET	-0.009940518	0.52579575
## Inv_diff_norm_cooc.H.PET	0.216854423	0.60640401
## IDM_cooc.H.PET	-0.058872815	0.47348973
## IDM_norm_cooc.H.PET	0.225258612	0.59849276
## Inv_var_cooc_.H.PET	-0.130533516	0.73517482
## Correlation_cooc.H.PET	0.153459246	0.59008213
## Autocorrelation_cooc.H.PET	0.139869174	0.55391695
## Tendency_cooc.H.PET	0.296873921	0.48383577
## Shade_cooc.H.PET	-0.161528293	-0.16744984
## Prominence_cooc.H.PET	0.302235179	0.34874024
## IC1_d.H.PET	-0.108876947	-0.10578779
## IC2_d.H.PET	0.166917460	0.63535154
## Coarseness_vdif.H.PET	-0.280484176	0.62282817

## Contrast_vdif.H.PET	-0.080348095	0.15782637
## Busyness_vdif.H.PET	0.591149708	-0.40531521
## Complexity_vdif.H.PET	-0.397594218	0.69848284
## Strength_vdif.H.PET	-0.079746424	0.04958079
## SRE_align.H.PET	0.258860077	0.54900090
## LRE_align.H.PET	0.033190655	0.41905325
## RLNU_align.H.PET	0.333587068	0.14753155
## RP_align.H.PET	0.259767960	0.53667429
## LGRE_align.H.PET	-0.238668737	0.63374467
## HGRE_align.H.PET	0.163949227	0.54061121
## LGSRE_align.H.PET	-0.240087238	0.63247019
## HGSRE_align.H.PET	0.217568179	0.53834358
## LGHRE_align.H.PET	-0.233493363	0.64244700
## HGLRE_align.H.PET	-0.036746739	0.34502227
## GLNU_norm_align.H.PET	-0.106748055	0.40755479
## RLNU_norm_align.H.PET	0.265129430	0.49635212
## GLVAR_align.H.PET	0.314701261	0.41638140
## RLVAR_align.H.PET	-0.099178747	0.31198599
## Entropy_align.H.PET	0.334049143	0.51122797
## SZSE.H.PET	0.286639918	0.48160187
## LZSE.H.PET	-0.109481238	0.04844164
## LGLZE.H.PET	-0.238362508	0.63327906
## HGLZE.H.PET	0.158162566	0.54494913
## SZLGE.H.PET	-0.242513180	0.63076106
## SZHGE.H.PET	0.261018656	0.46498148
## LZLGE.H.PET	-0.153058635	0.16071556
## LZHGE.H.PET	-0.113224923	0.05055117
## GLNU_area.H.PET	0.337752742	0.12693908
## ZSNU.H.PET	0.364808039	0.10742164
## ZSP.H.PET	0.301353712	0.32416800
## GLNU_norm.H.PET	-0.117677430	0.40961254
## ZSNU_norm.H.PET	0.263784761	0.39324170
## GLVAR_area.H.PET	0.304348202	0.40407591
## ZSVAR_H.PET	-0.114018750	0.05362397
## Entropy_area.H.PET	0.316419938	0.54698837
## Max_cooc.W.PET	-0.212035731	0.42580421
## Average_cooc.W.PET	0.346062964	0.25225094
## Variance_cooc.W.PET	0.198493033	0.20545056
## Entropy_cooc.W.PET	0.340040795	0.45618117
## DAVE_cooc.W.PET	0.276679823	0.25543585
## DVAR_cooc.W.PET	0.223683292	0.14759764
## DENT_cooc.W.PET	0.311131860	0.43940418
## SAVE_cooc.W.PET	0.346697878	0.25101978
## SVAR_cooc.W.PET	0.183352143	0.22708728
## SENT_cooc.W.PET	0.157011169	0.60919024
## ASM_cooc.W.PET	-0.252846683	0.52586443
## Contrast_cooc.W.PET	0.220752778	0.12965920
## Dissimilarity_cooc.W.PET	0.276679823	0.25543585
## Inv_diff_cooc.W.PET	0.024008618	0.53568723
## Inv_diff_norm_cooc.W.PET	0.240486130	0.60602226
## IDM_cooc.W.PET	-0.036957816	0.47774147
## IDM_norm_cooc.W.PET	0.239176725	0.59568798
## Inv_var_cooc.W.PET	-0.011473346	0.51357958
## Correlation_cooc.W.PET	0.138287379	0.59640598

## Autocorrelation_cooc.W.PET	0.303343985	0.13166608
## Tendency_cooc.W.PET	0.183352143	0.22708728
## Shade_cooc.W.PET	-0.003800923	0.20261255
## Prominence_cooc.W.PET	0.027351941	0.14241203
## IC1_d.W.PET	-0.112187914	-0.07466103
## IC2_d.W.PET	0.132256800	0.65798393
## Coarseness_vdif.W.PET	-0.279242045	0.51675777
## Contrast_vdif.W.PET	0.056058420	0.23544815
## Busyness_vdif.W.PET	0.096630505	0.05869075
## Complexity_vdif.W.PET	0.185855668	0.20606739
## Strength_vdif.W.PET	-0.118837397	0.27619630
## SRE_align.W.PET	0.246168061	0.57274201
## LRE_align.W.PET	0.122723108	0.56207797
## GLNU_align.W.PET	0.252294195	0.17301931
## RLNU_align.W.PET	0.320111261	0.15596955
## RP_align.W.PET	0.248945755	0.56611874
## LGRE_align.W.PET	-0.123971573	0.42083483
## HGRE_align.W.PET	0.314736138	0.12297647
## LGSRE_align.W.PET	-0.120638921	0.44436176
## HGSRE_align.W.PET	0.312409145	0.11988942
## LGHRE_align.W.PET	-0.134239775	0.31631111
## HGLRE_align.W.PET	0.322203686	0.13654968
## GLNU_norm_align.W.PET	-0.142145018	0.45257762
## RLNU_norm_align.W.PET	0.257252817	0.54758531
## GLVAR_align.W.PET	0.232448022	0.19025946
## RLVAR_align.W.PET	-0.123332290	0.39365800
## Entropy_align.W.PET	0.337541393	0.50245316
## SZSE.W.PET	0.283012808	0.53404044
## LZSE.W.PET	-0.135909084	0.15803213
## LGLZE.W.PET	-0.133540458	0.43840737
## HGLZE.W.PET	0.313208874	0.12720503
## SZLGE.W.PET	-0.121176302	0.49792861
## SZHGE.W.PET	0.311380648	0.11711055
## LZLGE.W.PET	-0.122806629	0.07142223
## LZHGE.W.PET	0.186356492	0.21061292
## GLNU_area.W.PET	0.298890062	0.15510203
## ZSNU.W.PET	0.348372394	0.13244496
## ZSP.W.PET	0.304719141	0.46412601
## GLNU_norm.W.PET	-0.146861550	0.46553366
## ZSNU_norm.W.PET	0.292769018	0.46803836
## GLVAR_area.W.PET	0.227105637	0.19646046
## ZSVAR.W.PET	-0.142721235	0.10532261
## Entropy_area.W.PET	0.316829190	0.54010269
## Min_hist.ADC	0.139017976	0.14231466
## Max_hist.ADC	0.261602176	0.51592635
## Mean_hist.ADC	0.248296746	0.46802888
## Variance_hist.ADC	0.067251372	0.32553526
## Standard_Deviation_hist.ADC	0.144485907	0.45092403
## Skewness_hist.ADC	0.119725750	0.16333601
## Kurtosis_hist.ADC	0.028724192	0.33679885
## Energy_hist.ADC	-0.260761482	0.63147443
## Entropy_hist.ADC	0.245617157	0.55833732
## AUC_hist.ADC	0.242823614	0.57125815
## Volume.ADC	0.487920717	-0.04809987

## X3D_surface.ADC	0.256959928		0.23834845
## ratio_3ds_vol.ADC	0.018570111		0.39837597
## ratio_3ds_vol_norm.ADC	0.266898658		0.48336839
## irregularity.ADC	0.206119861		0.54176568
## Compactness_v1.ADC	-0.133463989		0.70967826
##	Sphericity.PET	Asphericity.PET	Center_of_mass.PET
## Failure	-0.1149401538	0.046986751	-0.129902582
## Entropy_cooc.W.ADC	-0.0977843528	0.134561817	0.165978901
## GLNU_align.H.PET	-0.1390695387	0.203391636	0.223824081
## Min_hist.PET	0.3220741849	0.190492302	0.252663404
## Max_hist.PET	0.3330770221	0.304612137	0.473525627
## Mean_hist.PET	0.3398665041	0.203605899	0.312720962
## Variance_hist.PET	0.2083448849	0.185812455	0.484813594
## Standard_Deviation_hist.PET	0.2832474669	0.304610818	0.484166519
## Skewness_hist.PET	0.0227197072	0.497315691	0.340725103
## Kurtosis_hist.PET	-0.0479192533	0.307984883	0.124584330
## Energy_hist.PET	-0.4219962193	0.606955121	0.114628256
## Entropy_hist.PET	0.3224739893	0.458557621	0.493023479
## AUC_hist.PET	0.2076763936	0.585805864	0.389128328
## H_suv.PET	0.1816563070	0.329886456	0.313691859
## Volume.PET	0.5651832030	-0.058713680	0.370134296
## X3D_surface.PET	-0.0066742728	0.408768184	0.687465713
## ratio_3ds_vol.PET	-0.4989865503	0.759764503	0.138908233
## ratio_3ds_vol_norm.PET	-0.5070770593	0.999641225	0.518914922
## irregularity.PET	0.1757471263	0.544773551	0.292128965
## tumor_length.PET	0.0404660032	0.657782305	0.705494492
## Compactness_v1.PET	-0.0151916494	0.448453780	0.187374515
## Compactness_v2.PET	0.9604332012	-0.448738630	0.040934796
## Spherical_disproportion.PET	-0.5070770593	0.999641225	0.518914922
## Sphericity.PET	1.0000000000	-0.524588639	0.031518426
## Asphericity.PET	-0.5245886391	1.0000000000	0.516142756
## Center_of_mass.PET	0.0315184256	0.516142756	1.0000000000
## Max_3D_diam.PET	0.6835864481	0.046339386	0.511532463
## Major_axis_length.PET	0.5115896563	0.219972245	0.578881327
## Minor_axis_length.PET	0.3636417168	0.457014560	0.618800674
## Least_axis_length.PET	0.4517981221	0.299014400	0.625665040
## Elongation.PET	0.0154768594	0.586796176	0.224817980
## Flatness.PET	0.1207792760	0.459885098	0.276142981
## Max_cooc.L.PET	-0.4051018625	0.650913659	0.173604816
## Average_cooc.L.PET	0.1627573887	0.340742297	0.130512812
## Variance_cooc.L.PET	-0.0044102759	0.304976100	0.029990009
## Entropy_cooc.L.PET	0.2876147742	0.494538531	0.356406341
## DAVE_cooc.L.PET	0.0999144104	0.301370726	0.003882214
## DVAR_cooc.L.PET	0.0115230281	0.355344828	0.043853545
## DENT_cooc.L.PET	0.2248890266	0.478532558	0.261836608
## SAVE_cooc.L.PET	0.1633420587	0.340113193	0.130371302
## SVAR_cooc.L.PET	-0.0121370520	0.359452218	0.129428807
## SENT_cooc.L.PET	0.0709056150	0.623715823	0.345108344
## ASM_cooc.L.PET	-0.4146127115	0.636018144	0.166452534
## Contrast_cooc.L.PET	0.0085852783	0.177237727	-0.132019553
## Dissimilarity_cooc.L.PET	0.0999144104	0.301370726	0.003882214
## Inv_diff_cooc.L.PET	0.1326575252	0.670081137	0.535729886
## Inv_diff_norm_cooc.L.PET	0.2380538465	0.584080952	0.416222349
## IDM_cooc.L.PET	0.0494599221	0.690108751	0.540409039

## IDM_norm_cooc.L.PET	0.2372647240	0.574010944	0.397256732
## Inv_var_cooc.L.PET	0.0592911477	0.691628267	0.540945811
## Correlation_cooc.L.PET	0.1058233961	0.587026992	0.623128376
## Autocorrelation_cooc.L.PET	0.0529941292	0.237107016	0.025670294
## Tendency_cooc.L.PET	-0.0121370520	0.359452218	0.129428807
## Shade_cooc.L.PET	-0.0537505690	0.325851677	0.272446946
## Prominence_cooc.L.PET	-0.1313880120	0.324230616	0.072772619
## IC1_.L.PET	-0.0118586970	-0.128753167	-0.041085990
## IC2_.L.PET	0.0138346506	0.592271023	0.311792520
## Coarseness_vdif_.L.PET	-0.4115300979	0.576141111	0.066611182
## Contrast_vdif_.L.PET	-0.0838303312	0.070968316	-0.165416582
## Busyness_vdif_.L.PET	0.4133093894	0.149999907	0.640514971
## Complexity_vdif_.L.PET	-0.0171177326	0.375554378	-0.003436703
## Strength_vdif_.L.PET	-0.2168923608	0.231199912	-0.102285909
## SRE_align.L.PET	0.2262236660	0.559992568	0.359717898
## LRE_align.L.PET	0.2370733422	0.579861048	0.420589696
## GLNU_align.L.PET	0.2919627857	0.230257362	0.658348164
## RLNU_align.L.PET	0.3366780054	0.148052905	0.637971099
## RP_align.L.PET	0.2247748235	0.557907405	0.355317374
## LGRE_align.L.PET	-0.1521894153	0.643179973	0.285830139
## HGRE_align.L.PET	0.0740869206	0.230193501	0.010329125
## LGSRE_align.L.PET	-0.1564876772	0.646260487	0.280302741
## HGSRE_align.L.PET	0.0720022839	0.228878867	0.005825568
## LGHRE_align.L.PET	-0.1360493375	0.629456330	0.307806462
## HGLRE_align.L.PET	0.0820365817	0.235252796	0.029207579
## GLNU_norm_align.L.PET	-0.2410950067	0.717577892	0.281443023
## RLNU_norm_align.L.PET	0.2191124476	0.551608636	0.340323473
## GLVAR_align.L.PET	0.0234987805	0.302590778	0.033780471
## RLVAR_align.L.PET	-0.1644157439	0.732381909	0.468883228
## Entropy_align.L.PET	0.2757984488	0.509986146	0.368377302
## SZSE.L.PET	0.2296297411	0.542406803	0.337166784
## LZSE.L.PET	0.1180257410	0.462341221	0.379112881
## LGLZE.L.PET	-0.1556248497	0.649282594	0.279803380
## HGLZE.L.PET	0.0768168193	0.234937334	0.015472228
## SZLGE.L.PET	-0.1626728491	0.649835542	0.261398468
## SZHGE.L.PET	0.0818397229	0.233285382	0.009295949
## LZLGE.L.PET	-0.1193706445	0.574716969	0.353091364
## LZHGE.L.PET	0.0334302137	0.207196072	0.048889282
## GLNU_area.L.PET	0.3096813576	0.215994814	0.656702216
## ZSNU.L.PET	0.3604872897	0.124850352	0.622943028
## ZSP.L.PET	0.2298635174	0.531801689	0.323629342
## GLNU_norm.L.PET	-0.2409536764	0.716802897	0.281486546
## ZSNU_norm.L.PET	0.2161036549	0.523645059	0.306364365
## GLVAR_area.L.PET	0.0239702254	0.310758779	0.038448025
## ZSVAR.L.PET	-0.0504699034	0.534672678	0.454401815
## Entropy_area.L.PET	0.2780543600	0.522997173	0.387346761
## Max_cooc.H.PET	-0.1925993888	0.319702674	-0.009108191
## Average_cooc.H.PET	0.1983013868	0.542423157	0.306821967
## Variance_cooc.H.PET	0.2994186793	0.426062913	0.381139545
## Entropy_cooc.H.PET	0.3351939375	0.404883186	0.350766372
## DAVE_cooc.H.PET	0.2795119683	0.375210652	0.202271359
## DVAR_cooc.H.PET	0.2788334461	0.338360461	0.153212857
## DENT_cooc.H.PET	0.3490573162	0.367398059	0.367780864
## SAVE_cooc.H.PET	0.2300162470	0.537905856	0.356311131

## SVAR_cooc.H.PET	0.2301914872	0.485607966	0.478090127
## SENT_cooc.H.PET	-0.3298927067	0.767855651	0.385735713
## ASM_cooc.H.PET	-0.2405653516	0.352899363	-0.002685166
## Contrast_cooc.H.PET	0.2674134143	0.281872563	0.104580105
## Dissimilarity_cooc.H.PET	0.2795119683	0.375210652	0.202271359
## Inv_diff_cooc.H.PET	-0.0288398761	0.513638552	0.229758619
## Inv_diff_norm_cooc.H.PET	0.2122203846	0.585042463	0.391648662
## IDM_cooc.H.PET	-0.0780870897	0.463808571	0.168677723
## IDM_norm_cooc.H.PET	0.2223072186	0.576883420	0.387514947
## Inv_var_cooc_.H.PET	-0.2606256863	0.730213381	0.412824380
## Correlation_cooc.H.PET	0.1177994966	0.579096174	0.639355478
## Autocorrelation_cooc.H.PET	0.1433899177	0.534169021	0.270699349
## Tendency_cooc.H.PET	0.2900169382	0.465784600	0.496449951
## Shade_cooc.H.PET	-0.1348298965	-0.156945490	-0.138363615
## Prominence_cooc.H.PET	0.2855633457	0.335219278	0.475644600
## IC1_d.H.PET	-0.1777219744	-0.103303045	-0.407184448
## IC2_d.H.PET	0.1410270576	0.621423463	0.641066435
## Coarseness_vdif.H.PET	-0.4248256402	0.621334769	0.143392724
## Contrast_vdif.H.PET	-0.0824896156	0.151439641	-0.132857012
## Busyness_vdif.H.PET	0.7286962184	-0.417351185	0.143921237
## Complexity_vdif.H.PET	-0.4352629197	0.690205421	0.087269997
## Strength_vdif.H.PET	-0.0925874976	0.049877243	-0.088248701
## SRE_align.H.PET	0.2557839177	0.527292009	0.365255865
## LRE_align.H.PET	0.0425108970	0.405911793	0.234087648
## RLNU_align.H.PET	0.3479904168	0.142274752	0.642516936
## RP_align.H.PET	0.2561499071	0.515127503	0.357761909
## LGRE_align.H.PET	-0.3862941932	0.631652005	0.189384993
## HGRE_align.H.PET	0.1717500896	0.520447496	0.266860392
## LGSRE_align.H.PET	-0.3878378752	0.630435560	0.186930279
## HGSRE_align.H.PET	0.2263677917	0.516642284	0.287234904
## LGHRE_align.H.PET	-0.3801520778	0.640077573	0.204191950
## HGLRE_align.H.PET	-0.0331257220	0.337068157	0.153747036
## GLNU_norm_align.H.PET	-0.1245637529	0.398598363	0.019746731
## RLNU_norm_align.H.PET	0.2606474990	0.475699524	0.345401796
## GLVAR_align.H.PET	0.3139622521	0.396994397	0.375995871
## RLVAR_align.H.PET	-0.1016153717	0.308511974	0.168310441
## Entropy_align.H.PET	0.3325425058	0.490995170	0.492343182
## SZSE.H.PET	0.2770791442	0.462415228	0.380656493
## LZSE.H.PET	-0.0991263316	0.051156111	0.106270764
## LGLZE.H.PET	-0.3855517493	0.631151844	0.189866556
## HGLZE.H.PET	0.1764052675	0.526479034	0.370750261
## SZLGE.H.PET	-0.3898893869	0.628801862	0.184535292
## SZHGE.H.PET	0.2666140857	0.446211411	0.343571558
## LZLGE.H.PET	-0.1637502655	0.163567723	0.145032853
## LZHGE.H.PET	-0.1100022287	0.053082255	0.082102799
## GLNU_area.H.PET	0.3797592182	0.120048133	0.593387317
## ZSNU.H.PET	0.3688920451	0.102429377	0.618240706
## ZSP.H.PET	0.2920214005	0.308052057	0.309996316
## GLNU_norm.H.PET	-0.1335139268	0.400277708	0.018287931
## ZSNU_norm.H.PET	0.2556138391	0.376700220	0.349909679
## GLVAR_area.H.PET	0.3061762760	0.385149270	0.354537544
## ZSVAR_H.PET	-0.1085898703	0.056372251	0.096918166
## Entropy_area.H.PET	0.3172917509	0.525924087	0.469223633
## Max_cooc.W.PET	-0.2865830071	0.422988989	0.014187634

## Average_cooc.W.PET	0.3291105017	0.239422471	0.397089488
## Variance_cooc.W.PET	0.1802094696	0.200446081	0.495935386
## Entropy_cooc.W.PET	0.3414772829	0.436325227	0.443298732
## DAVE_cooc.W.PET	0.2788437377	0.241881370	0.325301382
## DVAR_cooc.W.PET	0.2194869385	0.140449686	0.358191604
## DENT_cooc.W.PET	0.3140420950	0.419787475	0.393156904
## SAVE_cooc.W.PET	0.3300451456	0.238190836	0.396850420
## SVAR_cooc.W.PET	0.1584697339	0.223310810	0.554359374
## SENT_cooc.W.PET	0.1548858428	0.591023567	0.474092989
## ASM_cooc.W.PET	-0.3613682935	0.523979419	0.067434255
## Contrast_cooc.W.PET	0.2215665207	0.121887768	0.298468828
## Dissimilarity_cooc.W.PET	0.2788437377	0.241881370	0.325301382
## Inv_diff_cooc.W.PET	0.0111212228	0.521104991	0.215826676
## Inv_diff_norm_cooc.W.PET	0.2356324231	0.584679059	0.413547466
## IDM_cooc.W.PET	-0.0524916940	0.466498241	0.158620698
## IDM_norm_cooc.W.PET	0.2364257202	0.574037320	0.396105220
## Inv_var_cooc.W.PET	-0.0275010078	0.500711042	0.191286592
## Correlation_cooc.W.PET	0.1091400590	0.585792868	0.626914388
## Autocorrelation_cooc.W.PET	0.2754848791	0.125348896	0.384046224
## Tendency_cooc.W.PET	0.1584697339	0.223310810	0.554359374
## Shade_cooc.W.PET	-0.0234935597	0.204785513	0.587670041
## Prominence_cooc.W.PET	0.0035349134	0.144523079	0.533482012
## IC1_d.W.PET	-0.1983110803	-0.070901645	-0.395414129
## IC2_d.W.PET	0.1120435505	0.642357823	0.591083485
## Coarseness_vdif.W.PET	-0.3816684207	0.512595357	0.021865365
## Contrast_vdif.W.PET	0.0525576885	0.224022568	0.102752194
## Busyness_vdif.W.PET	0.1713494760	0.051871144	0.166786494
## Complexity_vdif.W.PET	0.1590428785	0.204082343	0.536226259
## Strength_vdif.W.PET	-0.1304417781	0.273081089	0.202902994
## SRE_align.W.PET	0.2440235929	0.550823403	0.373233630
## LRE_align.W.PET	0.1263831532	0.544082754	0.332178793
## GLNU_align.W.PET	0.3073349836	0.167135095	0.551409356
## RLNU_align.W.PET	0.3382623929	0.150833921	0.645924753
## RP_align.W.PET	0.2467057989	0.544216585	0.370249929
## LGRE_align.W.PET	-0.1400970306	0.412631803	0.020464279
## HGRE_align.W.PET	0.2906225698	0.116401690	0.379364898
## LGSRE_align.W.PET	-0.1391532941	0.435433341	0.026421718
## HGSRE_align.W.PET	0.2888175893	0.113398939	0.377158438
## LGHRE_align.W.PET	-0.1418317600	0.311425113	0.015493875
## HGLRE_align.W.PET	0.2961659889	0.129666178	0.389466468
## GLNU_norm_align.W.PET	-0.1801874284	0.444573291	0.027104472
## RLNU_norm_align.W.PET	0.2545091132	0.525952771	0.369196028
## GLVAR_align.W.PET	0.2107124614	0.184958113	0.485986790
## RLVAR_align.W.PET	-0.1471323490	0.389407506	0.173423022
## Entropy_align.W.PET	0.3369544805	0.481986852	0.475551657
## SZSE.W.PET	0.2732854880	0.513044201	0.374557800
## LZSE.W.PET	-0.1303522471	0.156780015	0.053120909
## LGLZE.W.PET	-0.1500725957	0.429742796	0.024370257
## HGLZE.W.PET	0.2896939574	0.120592221	0.391428182
## SZLGE.W.PET	-0.1490579151	0.487999353	0.050945807
## SZHGE.W.PET	0.2883017664	0.110713422	0.387565313
## LZLGE.W.PET	-0.1197349639	0.072780491	0.018259593
## LZHGE.W.PET	0.1680655876	0.204404601	0.367216422
## GLNU_area.W.PET	0.3492166975	0.148570592	0.576467314

## ZSNU.W.PET	0.3583807909	0.127287547	0.639734725
## ZSP.W.PET	0.2972757624	0.444102584	0.364280000
## GLNU_norm.W.PET	-0.1854939853	0.457131455	0.034297155
## ZSNU_norm.W.PET	0.2841295440	0.448233527	0.368130368
## GLVAR_area.W.PET	0.2057108261	0.191151443	0.487334770
## ZSVAR.W.PET	-0.1404523151	0.105990714	0.034118775
## Entropy_area.W.PET	0.3184025595	0.519126507	0.473588261
## Min_hist.ADC	0.0948560637	0.134014247	-0.039666655
## Max_hist.ADC	0.2778287698	0.496586833	0.392623097
## Mean_hist.ADC	0.2444841261	0.448232858	0.280358091
## Variance_hist.ADC	0.0791852906	0.316956464	0.349794270
## Standard_Deviation_hist.ADC	0.1658946658	0.435568547	0.402493667
## Skewness_hist.ADC	0.1161057954	0.158866930	0.135857670
## Kurtosis_hist.ADC	-0.0087066877	0.333984225	0.210699247
## Energy_hist.ADC	-0.4050272553	0.629469651	0.154460462
## Entropy_hist.ADC	0.2526389306	0.537466155	0.407424985
## AUC_hist.ADC	0.2456675305	0.549915156	0.381820083
## Volume.ADC	0.5517652591	-0.059733593	0.345048417
## X3D_surface.ADC	0.2875294348	0.228684405	0.377056088
## ratio_3ds_vol.ADC	0.0088688629	0.384577077	0.109385551
## ratio_3ds_vol_norm.ADC	0.3069678077	0.461494783	0.403679771
## irregularity.ADC	0.2076290547	0.520383575	0.315297017
## Compactness_v1.ADC	-0.2595621254	0.701101494	0.230246894
##	Max_3D_diam.PET	Major_axis_length.PET	
## Failure	-0.163124321	-0.1453612942	
## Entropy_cooc.W.ADC	0.093401143	0.1088344544	
## GLNU_align.H.PET	0.122156903	0.1538697843	
## Min_hist.PET	0.506372476	0.5622241319	
## Max_hist.PET	0.650244430	0.7012102475	
## Mean_hist.PET	0.557559025	0.6148476719	
## Variance_hist.PET	0.438142906	0.5008887856	
## Standard_Deviation_hist.PET	0.548099215	0.6045172079	
## Skewness_hist.PET	0.193354998	0.2000880725	
## Kurtosis_hist.PET	0.129790954	0.1303750299	
## Energy_hist.PET	-0.234205881	-0.1011802863	
## Entropy_hist.PET	0.688280145	0.7310654052	
## AUC_hist.PET	0.456302643	0.5030426361	
## H_suv.PET	0.366548900	0.4426380370	
## Volume.PET	0.789864256	0.7532091827	
## X3D_surface.PET	0.591205129	0.6743787955	
## ratio_3ds_vol.PET	-0.288405814	-0.1490783557	
## ratio_3ds_vol_norm.PET	0.060898580	0.2326822722	
## irregularity.PET	0.327920923	0.3709093904	
## tumor_length.PET	0.642846338	0.7218958941	
## Compactness_v1.PET	0.107874253	0.1813170706	
## Compactness_v2.PET	0.644678013	0.4905688971	
## Spherical_disproportion.PET	0.060898580	0.2326822722	
## Sphericity.PET	0.683586448	0.5115896563	
## Asphericity.PET	0.046339386	0.2199722455	
## Center_of_mass.PET	0.511532463	0.5788813271	
## Max_3D_diam.PET	1.000000000	0.9564237634	
## Major_axis_length.PET	0.956423763	1.0000000000	
## Minor_axis_length.PET	0.839622319	0.8499680820	
## Least_axis_length.PET	0.889098803	0.8717365274	

## Elongation.PET	0.167030354	0.1742546080
## Flatness.PET	0.263288970	0.2356561873
## Max_cooc.L.PET	-0.158558751	-0.0256280461
## Average_cooc.L.PET	0.201005791	0.2566708134
## Variance_cooc.L.PET	-0.113757929	-0.0593756348
## Entropy_cooc.L.PET	0.493695840	0.5329846644
## DAVE_cooc.L.PET	0.008773130	0.0578376290
## DVAR_cooc.L.PET	-0.059091214	-0.0011541925
## DENT_cooc.L.PET	0.344361203	0.3903304651
## SAVE_cooc.L.PET	0.201306087	0.2568255897
## SVAR_cooc.L.PET	-0.055258251	0.0008067448
## SENT_cooc.L.PET	0.333520222	0.4065295547
## ASM_cooc.L.PET	-0.165927902	-0.0305041307
## Contrast_cooc.L.PET	-0.191307446	-0.1469558564
## Dissimilarity_cooc.L.PET	0.008773130	0.0578376290
## Inv_diff_cooc.L.PET	0.556134978	0.6028073549
## Inv_diff_norm_cooc.L.PET	0.512212824	0.5546968436
## IDM_cooc.L.PET	0.500385476	0.5537862797
## IDM_norm_cooc.L.PET	0.492969131	0.5363479670
## Inv_var_cooc.L.PET	0.513775823	0.5679702803
## Correlation_cooc.L.PET	0.543027110	0.5698430560
## Autocorrelation_cooc.L.PET	0.017183165	0.0728285251
## Tendency_cooc.L.PET	-0.055258251	0.0008067448
## Shade_cooc.L.PET	-0.032965372	-0.0079950561
## Prominence_cooc.L.PET	-0.220613108	-0.1671656326
## IC1_.L.PET	0.152051241	0.1628485265
## IC2_.L.PET	0.151780445	0.2142377058
## Coarseness_vdif_.L.PET	-0.298068742	-0.1733423150
## Contrast_vdif_.L.PET	-0.266832796	-0.2433790717
## Busyness_vdif_.L.PET	0.834231559	0.8081021017
## Complexity_vdif_.L.PET	-0.066438429	0.0021023800
## Strength_vdif_.L.PET	-0.366761369	-0.3285697932
## SRE_align.L.PET	0.447001823	0.4931688544
## LRE_align.L.PET	0.510469977	0.5501865518
## GLNU_align.L.PET	0.801963295	0.8090658050
## RLNU_align.L.PET	0.822277991	0.8404988770
## RP_align.L.PET	0.441843072	0.4883134758
## LGRE_align.L.PET	0.085924030	0.1476996849
## HGRE_align.L.PET	0.027816746	0.0812882441
## LGSRE_align.L.PET	0.080036581	0.1443210596
## HGSRE_align.L.PET	0.020659681	0.0740404656
## LGHRE_align.L.PET	0.108626619	0.1603739386
## HGLRE_align.L.PET	0.057077402	0.1108368704
## GLNU_norm_align.L.PET	0.048257911	0.1540557212
## RLNU_norm_align.L.PET	0.423786275	0.4714283036
## GLVAR_align.L.PET	-0.063239439	-0.0090379102
## RLVAR_align.L.PET	0.281856244	0.3740406693
## Entropy_align.L.PET	0.493682527	0.5346883807
## SZSE.L.PET	0.426472202	0.4739780370
## LZSE.L.PET	0.408366714	0.4296965278
## LGLZE.L.PET	0.085868810	0.1492153649
## HGLZE.L.PET	0.028955520	0.0823635285
## SZLGE.L.PET	0.067117245	0.1370389346
## SZHGE.L.PET	0.020164001	0.0731206129

## LZLGE.L.PET	0.146887575	0.1786293584
## LZHGE.L.PET	0.062962083	0.1090541367
## GLNU_area.L.PET	0.814425949	0.8214354673
## ZSNU.L.PET	0.829245907	0.8462365522
## ZSP.L.PET	0.411100751	0.4587806504
## GLNU_norm.L.PET	0.048977896	0.1549841039
## ZSNU_norm.L.PET	0.379335357	0.4281385900
## GLVAR_area.L.PET	-0.058594786	-0.0032775939
## ZSVAR.L.PET	0.374917027	0.4045768204
## Entropy_area.L.PET	0.518241391	0.5583685245
## Max_cooc.H.PET	-0.180198067	-0.1432165038
## Average_cooc.H.PET	0.374170184	0.4111116200
## Variance_cooc.H.PET	0.563304108	0.6059957582
## Entropy_cooc.H.PET	0.495195875	0.5381690437
## DAVE_cooc.H.PET	0.400690247	0.4407325064
## DVAR_cooc.H.PET	0.386386769	0.4286400196
## DENT_cooc.H.PET	0.587039257	0.6199132855
## SAVE_cooc.H.PET	0.425172523	0.4604753727
## SVAR_cooc.H.PET	0.592559922	0.6532964225
## SENT_cooc.H.PET	0.113987447	0.2675662200
## ASM_cooc.H.PET	-0.186319870	-0.1329368369
## Contrast_cooc.H.PET	0.334348934	0.3736803599
## Dissimilarity_cooc.H.PET	0.400690247	0.4407325064
## Inv_diff_cooc.H.PET	0.144010941	0.1781529513
## Inv_diff_norm_cooc.H.PET	0.457129485	0.5021693152
## IDM_cooc.H.PET	0.062316163	0.0920744759
## IDM_norm_cooc.H.PET	0.463151301	0.5078196316
## Inv_var_cooc_.H.PET	0.113617077	0.2536351805
## Correlation_cooc.H.PET	0.560993039	0.5925345988
## Autocorrelation_cooc.H.PET	0.296546973	0.3322351836
## Tendency_cooc.H.PET	0.636673628	0.6773446833
## Shade_cooc.H.PET	-0.292645932	-0.3115505267
## Prominence_cooc.H.PET	0.638157751	0.6769085207
## IC1_d.H.PET	-0.369365677	-0.3001068426
## IC2_d.H.PET	0.565196182	0.6013729671
## Coarseness_vdif.H.PET	-0.202131286	-0.0657731231
## Contrast_vdif.H.PET	-0.159716875	-0.1375096178
## Busyness_vdif.H.PET	0.620339345	0.4474695734
## Complexity_vdif.H.PET	-0.152611368	0.0018561216
## Strength_vdif.H.PET	-0.141159748	-0.1304084810
## SRE_align.H.PET	0.473680448	0.5226800364
## LRE_align.H.PET	0.214420750	0.2305255865
## RLNU_align.H.PET	0.820417183	0.8514460858
## RP_align.H.PET	0.465657196	0.5162282347
## LGRE_align.H.PET	-0.123025193	0.0178912001
## HGRE_align.H.PET	0.324273863	0.3565339661
## LGSRE_align.H.PET	-0.126120079	0.0148743183
## HGSRE_align.H.PET	0.373658364	0.4091349875
## LGHRE_align.H.PET	-0.107218178	0.0330004719
## HGLRE_align.H.PET	0.087189920	0.1048436721
## GLNU_norm_align.H.PET	-0.100183672	-0.0646921536
## RLNU_norm_align.H.PET	0.456097029	0.5095432811
## GLVAR_align.H.PET	0.585520365	0.6246290064
## RLVAR_align.H.PET	0.042202349	0.0533908924

## Entropy_align.H.PET	0.647996614	0.6897301952
## SZSE.H.PET	0.496587909	0.5458827095
## LZSE.H.PET	-0.048989928	-0.0474436057
## LGLZE.H.PET	-0.120685656	0.0208395680
## HGLZE.H.PET	0.379301919	0.4041054858
## SZLGE.H.PET	-0.128805136	0.0126533381
## SZHGE.H.PET	0.400481890	0.4280879126
## LZLGE.H.PET	-0.065521685	-0.0467444082
## LZHGE.H.PET	-0.065438554	-0.0573276302
## GLNU_area.H.PET	0.824833029	0.8171111151
## ZSNU.H.PET	0.795692777	0.8405304448
## ZSP.H.PET	0.438253461	0.4834009039
## GLNU_norm.H.PET	-0.099636632	-0.0604766877
## ZSNU_norm.H.PET	0.446262722	0.4989646476
## GLVAR_area.H.PET	0.576590285	0.6159711405
## ZSVAR_H.PET	-0.059306678	-0.0548301455
## Entropy_area.H.PET	0.628994201	0.6654759608
## Max_cooc.W.PET	-0.213773977	-0.1424523726
## Average_cooc.W.PET	0.581958840	0.6394315019
## Variance_cooc.W.PET	0.398169741	0.4607181292
## Entropy_cooc.W.PET	0.605738817	0.6481254614
## DAVE_cooc.W.PET	0.436907279	0.4900480638
## DVAR_cooc.W.PET	0.360220655	0.4182527116
## DENT_cooc.W.PET	0.532627584	0.5791615032
## SAVE_cooc.W.PET	0.582448274	0.6396524724
## SVAR_cooc.W.PET	0.407180958	0.4699807821
## SENT_cooc.W.PET	0.503640033	0.5766913387
## ASM_cooc.W.PET	-0.210874478	-0.1094121490
## Contrast_cooc.W.PET	0.339236669	0.3953678268
## Dissimilarity_cooc.W.PET	0.436907279	0.4900480638
## Inv_diff_cooc.W.PET	0.176400671	0.2071956798
## Inv_diff_norm_cooc.W.PET	0.508246139	0.5507654432
## IDM_cooc.W.PET	0.081348510	0.1080825796
## IDM_norm_cooc.W.PET	0.491395983	0.5347863656
## Inv_var_cooc.W.PET	0.128889580	0.1580677463
## Correlation_cooc.W.PET	0.548955563	0.5755493990
## Autocorrelation_cooc.W.PET	0.513394773	0.5794730842
## Tendency_cooc.W.PET	0.407180958	0.4699807821
## Shade_cooc.W.PET	0.146012372	0.1848400682
## Prominence_cooc.W.PET	0.157108297	0.1983696832
## IC1_d.W.PET	-0.332039021	-0.2622293277
## IC2_d.W.PET	0.482614600	0.5298695894
## Coarseness_vdif.W.PET	-0.320737523	-0.2093238374
## Contrast_vdif.W.PET	0.054941735	0.1203989062
## Busyness_vdif.W.PET	0.251390035	0.2187119521
## Complexity_vdif.W.PET	0.428502702	0.4941270862
## Strength_vdif.W.PET	-0.086115298	-0.0475060995
## SRE_align.W.PET	0.471513764	0.5188336861
## LRE_align.W.PET	0.348712235	0.3808217823
## GLNU_align.W.PET	0.759022751	0.7296615217
## RLNU_align.W.PET	0.821447009	0.8467584867
## RP_align.W.PET	0.470755577	0.5186979259
## LGRE_align.W.PET	-0.123690739	-0.0911007178
## HGRE_align.W.PET	0.523291563	0.5872667544

## LGSRE_align.W.PET	-0.118587495	-0.0818080702
## HGSRE_align.W.PET	0.517044296	0.5811010638
## LGHRE_align.W.PET	-0.131218860	-0.1118861168
## HGLRE_align.W.PET	0.548316415	0.6119318125
## GLNU_norm_align.W.PET	-0.133115984	-0.0814233383
## RLNU_norm_align.W.PET	0.473735804	0.5239359457
## GLVAR_align.W.PET	0.441007390	0.5032276668
## RLVAR_align.W.PET	0.016286322	0.0464443925
## Entropy_align.W.PET	0.636692171	0.6780974432
## SZSE.W.PET	0.487183506	0.5356032116
## LZSE.W.PET	-0.070270134	-0.0546152302
## LGLZE.W.PET	-0.114032477	-0.0781035891
## HGLZE.W.PET	0.521414123	0.5844171202
## SZLGE.W.PET	-0.088269133	-0.0411715892
## SZHGE.W.PET	0.505496164	0.5678140540
## LZLGE.W.PET	-0.104718177	-0.0991151661
## LZHGE.W.PET	0.469187378	0.5351562551
## GLNU_area.W.PET	0.802891651	0.7806014104
## ZSNU.W.PET	0.815218146	0.8491803552
## ZSP.W.PET	0.491817731	0.5367562876
## GLNU_norm.W.PET	-0.130530434	-0.0761975606
## ZSNU_norm.W.PET	0.479056444	0.5291071738
## GLVAR_area.W.PET	0.438407213	0.5006073284
## ZSVAR.W.PET	-0.097384353	-0.0827714249
## Entropy_area.W.PET	0.629708060	0.6698747684
## Min_hist.ADC	0.060109650	0.1079125530
## Max_hist.ADC	0.513194312	0.5415247487
## Mean_hist.ADC	0.392710250	0.4221319470
## Variance_hist.ADC	0.302430917	0.3544879968
## Standard_Deviation_hist.ADC	0.412427493	0.4601169005
## Skewness_hist.ADC	0.247496134	0.2644736710
## Kurtosis_hist.ADC	0.156189342	0.1845054562
## Energy_hist.ADC	-0.170497236	-0.0336621003
## Entropy_hist.ADC	0.520121244	0.5518923034
## AUC_hist.ADC	0.486957865	0.5300900494
## Volume.ADC	0.765283122	0.7289655984
## X3D_surface.ADC	0.508043835	0.5050823788
## ratio_3ds_vol.ADC	0.095952739	0.1506414737
## ratio_3ds_vol_norm.ADC	0.555394769	0.5698995484
## irregularity.ADC	0.394639811	0.4427263325
## Compactness_v1.ADC	-0.011847581	0.1174244754
##	Minor_axis_length.PET	Least_axis_length.PET
## Failure	-0.1305390362	-0.146804777
## Entropy_cooc.W.ADC	0.1656382603	0.158103417
## GLNU_align.H.PET	0.2570854471	0.254249687
## Min_hist.PET	0.4688772425	0.470103907
## Max_hist.PET	0.6460569878	0.638519821
## Mean_hist.PET	0.5209506925	0.528064622
## Variance_hist.PET	0.3763868952	0.413913449
## Standard_Deviation_hist.PET	0.5615902989	0.563213284
## Skewness_hist.PET	0.3581456798	0.228971229
## Kurtosis_hist.PET	0.2673534950	0.163751474
## Energy_hist.PET	0.0533000916	-0.065815420
## Entropy_hist.PET	0.8078621977	0.736595198

## AUC_hist.PET	0.6653194960	0.561380022
## H_suv.PET	0.4537012729	0.415292842
## Volume.PET	0.6774121118	0.718478062
## X3D_surface.PET	0.6820626278	0.708421983
## ratio_3ds_vol.PET	0.0227746532	-0.150169643
## ratio_3ds_vol_norm.PET	0.4702695563	0.311952185
## irregularity.PET	0.5067485345	0.393116120
## tumor_length.PET	0.8634981734	0.805847805
## Compactness_v1.PET	0.2935652645	0.202246332
## Compactness_v2.PET	0.3557513233	0.431173442
## Spherical_disproportion.PET	0.4702695563	0.311952185
## Sphericity.PET	0.3636417168	0.451798122
## Asphericity.PET	0.4570145598	0.299014400
## Center_of_mass.PET	0.6188006743	0.625665040
## Max_3D_diam.PET	0.8396223189	0.889098803
## Major_axis_length.PET	0.8499680820	0.871736527
## Minor_axis_length.PET	1.0000000000	0.948959769
## Least_axis_length.PET	0.9489597690	1.0000000000
## Elongation.PET	0.5451758334	0.406827090
## Flatness.PET	0.5631949568	0.552551751
## Max_cooc.L.PET	0.1428965140	0.015055614
## Average_cooc.L.PET	0.3415332350	0.294343197
## Variance_cooc.L.PET	0.0306696131	-0.022808303
## Entropy_cooc.L.PET	0.6717018998	0.587885334
## DAVE_cooc.L.PET	0.1502431759	0.072721308
## DVAR_cooc.L.PET	0.1266330213	0.030839788
## DENT_cooc.L.PET	0.5200652157	0.425225595
## SAVE_cooc.L.PET	0.3415198914	0.294458000
## SVAR_cooc.L.PET	0.0995480629	0.056621202
## SENT_cooc.L.PET	0.5702982184	0.467083442
## ASM_cooc.L.PET	0.1382319210	0.015513701
## Contrast_cooc.L.PET	-0.0828859912	-0.145889437
## Dissimilarity_cooc.L.PET	0.1502431759	0.072721308
## Inv_diff_cooc.L.PET	0.7881561209	0.679639339
## Inv_diff_norm_cooc.L.PET	0.7126968303	0.610907513
## IDM_cooc.L.PET	0.7494086323	0.636941940
## IDM_norm_cooc.L.PET	0.6918924051	0.590548009
## Inv_var_cooc.L.PET	0.7572466637	0.642788703
## Correlation_cooc.L.PET	0.7184842433	0.682658148
## Autocorrelation_cooc.L.PET	0.1373868770	0.119754774
## Tendency_cooc.L.PET	0.0995480629	0.056621202
## Shade_cooc.L.PET	0.0369243329	-0.028324339
## Prominence_cooc.L.PET	-0.0797742448	-0.123743077
## IC1_.L.PET	0.1599956766	0.173926431
## IC2_.L.PET	0.3623016887	0.260716301
## Coarseness_vdif_.L.PET	-0.0357703163	-0.154995120
## Contrast_vdif_.L.PET	-0.2260861153	-0.239030556
## Busyness_vdif_.L.PET	0.8039308819	0.853182403
## Complexity_vdif_.L.PET	0.1104910743	0.009537356
## Strength_vdif_.L.PET	-0.3090642523	-0.369779851
## SRE_align.L.PET	0.6448889716	0.542502965
## LRE_align.L.PET	0.7144136329	0.614957248
## GLNU_align.L.PET	0.7914174165	0.837564333
## RLNU_align.L.PET	0.7664466835	0.841734958

## RP_align.L.PET	0.6395987953	0.537257543
## LGRE_align.L.PET	0.3415722380	0.211281841
## HGRE_align.L.PET	0.1452948137	0.120940175
## LGSRE_align.L.PET	0.3377120204	0.206453049
## HGSRE_align.L.PET	0.1373313251	0.112085849
## LGHRE_align.L.PET	0.3565880690	0.230437754
## HGLRE_align.L.PET	0.1778703525	0.157222729
## GLNU_norm_align.L.PET	0.3521760087	0.204181664
## RLNU_norm_align.L.PET	0.6214719213	0.518980421
## GLVAR_align.L.PET	0.0886087334	0.042723516
## RLVAR_align.L.PET	0.5837068048	0.467098910
## Entropy_align.L.PET	0.6738829268	0.590902284
## SZSE.L.PET	0.6082241996	0.505425298
## LZSE.L.PET	0.6100551918	0.542824733
## LGLZE.L.PET	0.3472940520	0.214467237
## HGLZE.L.PET	0.1468147046	0.120596714
## SZLGE.L.PET	0.3279613867	0.192820227
## SZHGE.L.PET	0.1286705173	0.097484557
## LZLGE.L.PET	0.3858337104	0.277771504
## LZHGE.L.PET	0.1992040656	0.193976356
## GLNU_area.L.PET	0.7921370075	0.842378026
## ZSNU.L.PET	0.7597422959	0.838247397
## ZSP.L.PET	0.5913642639	0.489527820
## GLNU_norm.L.PET	0.3536742780	0.206501764
## ZSNU_norm.L.PET	0.5660487091	0.464040334
## GLVAR_area.L.PET	0.0946989117	0.044858321
## ZSVAR.L.PET	0.6169161237	0.544745241
## Entropy_area.L.PET	0.7029587962	0.619230288
## Max_cooc.H.PET	-0.0630962218	-0.155738537
## Average_cooc.H.PET	0.5694077229	0.459662576
## Variance_cooc.H.PET	0.7056819701	0.655791599
## Entropy_cooc.H.PET	0.6027313054	0.551026573
## DAVE_cooc.H.PET	0.5499915224	0.466376315
## DVAR_cooc.H.PET	0.5163195462	0.435936315
## DENT_cooc.H.PET	0.6765782082	0.625297321
## SAVE_cooc.H.PET	0.6192676801	0.514983382
## SVAR_cooc.H.PET	0.7444161835	0.692715825
## SENT_cooc.H.PET	0.4417491313	0.335041264
## ASM_cooc.H.PET	-0.0477727082	-0.141036992
## Contrast_cooc.H.PET	0.4567781155	0.382229737
## Dissimilarity_cooc.H.PET	0.5499915224	0.466376315
## Inv_diff_cooc.H.PET	0.3437985341	0.237581060
## Inv_diff_norm_cooc.H.PET	0.6606447563	0.557595357
## IDM_cooc.H.PET	0.2521300323	0.149593985
## IDM_norm_cooc.H.PET	0.6645148333	0.562461162
## Inv_var_cooc.H.PET	0.3846081886	0.267977710
## Correlation_cooc.H.PET	0.7295519690	0.702507594
## Autocorrelation_cooc.H.PET	0.4901833159	0.379153695
## Tendency_cooc.H.PET	0.7770588195	0.744964558
## Shade_cooc.H.PET	-0.3831116613	-0.385705881
## Prominence_cooc.H.PET	0.7187246720	0.728078211
## IC1_d.H.PET	-0.3522761764	-0.410040593
## IC2_d.H.PET	0.7426165952	0.706524444
## Coarseness_vdif.H.PET	0.0919700246	-0.027159310

## Contrast_vdif.H.PET	-0.0821152361	-0.135890649
## Busyness_vdif.H.PET	0.3907348574	0.482566071
## Complexity_vdif.H.PET	0.1957731999	0.053867739
## Strength_vdif.H.PET	-0.1710251885	-0.183378890
## SRE_align.H.PET	0.6523140972	0.559219940
## LRE_align.H.PET	0.3844550800	0.297977864
## RLNU_align.H.PET	0.7460585519	0.822465666
## RP_align.H.PET	0.6373458735	0.546735260
## LGRE_align.H.PET	0.1680379617	0.050774556
## HGRE_align.H.PET	0.5042547559	0.388947730
## LGSRE_align.H.PET	0.1647423628	0.047384557
## HGSRE_align.H.PET	0.5425174286	0.427024035
## LGHRE_align.H.PET	0.1870197114	0.069873975
## HGLRE_align.H.PET	0.2306496912	0.159091209
## GLNU_norm_align.H.PET	0.0734035951	-0.040993160
## RLNU_norm_align.H.PET	0.6102169797	0.528157338
## GLVAR_align.H.PET	0.7123491531	0.670901483
## RLVAR_align.H.PET	0.2014525882	0.136495401
## Entropy_align.H.PET	0.7838665596	0.727672883
## SZSE.H.PET	0.6317228702	0.548688601
## LZSE.H.PET	0.0016256628	-0.030222633
## LGLZE.H.PET	0.1697151543	0.052019298
## HGLZE.H.PET	0.5677575738	0.454762245
## SZLGE.H.PET	0.1610376509	0.042791663
## SZHGE.H.PET	0.5136544349	0.405320491
## LZLGE.H.PET	0.0390140398	-0.004259953
## LZHGE.H.PET	-0.0292104424	-0.053460340
## GLNU_area.H.PET	0.7792132773	0.844146602
## ZSNU.H.PET	0.6771954140	0.758283692
## ZSP.H.PET	0.4971389391	0.447212648
## GLNU_norm.H.PET	0.0881143920	-0.010917604
## ZSNU_norm.H.PET	0.5434071506	0.483278026
## GLVAR_area.H.PET	0.7004501409	0.655112647
## ZSVAR_H.PET	-0.0125057557	-0.042061984
## Entropy_area.H.PET	0.7944967874	0.720296412
## Max_cooc.W.PET	-0.0495467749	-0.154135440
## Average_cooc.W.PET	0.5648111641	0.574724376
## Variance_cooc.W.PET	0.3479594968	0.381687800
## Entropy_cooc.W.PET	0.7212384416	0.669539304
## DAVE_cooc.W.PET	0.4525021370	0.437403717
## DVAR_cooc.W.PET	0.2991287843	0.315876227
## DENT_cooc.W.PET	0.6434384083	0.584145982
## SAVE_cooc.W.PET	0.5646769417	0.574838554
## SVAR_cooc.W.PET	0.3608968459	0.400757020
## SENT_cooc.W.PET	0.6949375935	0.620015334
## ASM_cooc.W.PET	0.0156230119	-0.101147596
## Contrast_cooc.W.PET	0.2828500821	0.297661992
## Dissimilarity_cooc.W.PET	0.4525021370	0.437403717
## Inv_diff_cooc.W.PET	0.3957293992	0.282052051
## Inv_diff_norm_cooc.W.PET	0.7091283588	0.607160465
## IDM_cooc.W.PET	0.2839184569	0.177131323
## IDM_norm_cooc.W.PET	0.6904722451	0.589177120
## Inv_var_cooc.W.PET	0.3507272624	0.240874225
## Correlation_cooc.W.PET	0.7233924368	0.688186481

## Autocorrelation_cooc.W.PET	0.4092982653	0.453089423
## Tendency_cooc.W.PET	0.3608968459	0.400757020
## Shade_cooc.W.PET	0.1465913994	0.178496678
## Prominence_cooc.W.PET	0.1284031853	0.167597325
## IC1_d.W.PET	-0.2809270139	-0.342229390
## IC2_d.W.PET	0.6717110633	0.616116127
## Coarseness_vdif.W.PET	-0.0916412046	-0.197849613
## Contrast_vdif.W.PET	0.1280735151	0.101025426
## Busyness_vdif.W.PET	0.2920540627	0.303480681
## Complexity_vdif.W.PET	0.3693946775	0.393939731
## Strength_vdif.W.PET	-0.0288584270	-0.063815116
## SRE_align.W.PET	0.6619349339	0.563850631
## LRE_align.W.PET	0.5598692762	0.454829912
## GLNU_align.W.PET	0.7717181217	0.815137507
## RLNU_align.W.PET	0.7577042321	0.832968969
## RP_align.W.PET	0.6575780256	0.561310379
## LGRE_align.W.PET	0.0584256048	-0.060847509
## HGRE_align.W.PET	0.4160563163	0.458588960
## LGSRE_align.W.PET	0.0768756238	-0.046509175
## HGSRE_align.W.PET	0.4077417279	0.450347598
## LGHRE_align.W.PET	-0.0007384157	-0.100037839
## HGLRE_align.W.PET	0.4509977310	0.493298057
## GLNU_norm_align.W.PET	0.0576190675	-0.065119454
## RLNU_norm_align.W.PET	0.6516474859	0.559947073
## GLVAR_align.W.PET	0.3780947094	0.415661984
## RLVAR_align.W.PET	0.2057305870	0.119335471
## Entropy_align.W.PET	0.7716013087	0.714229830
## SZSE.W.PET	0.6432210057	0.549803770
## LZSE.W.PET	0.0128549500	-0.020981744
## LGLZE.W.PET	0.0847632392	-0.035270227
## HGLZE.W.PET	0.4138905146	0.456349569
## SZLGE.W.PET	0.1361999126	-0.001506608
## SZHGE.W.PET	0.3890257295	0.432360526
## LZLGE.W.PET	-0.0771443939	-0.116464456
## LZHGE.W.PET	0.4747864400	0.513637539
## GLNU_area.W.PET	0.7881376109	0.840885566
## ZSNU.W.PET	0.7232402098	0.801541286
## ZSP.W.PET	0.6179582505	0.541216777
## GLNU_norm.W.PET	0.0724642933	-0.047725641
## ZSNU_norm.W.PET	0.6055637342	0.528014057
## GLVAR_area.W.PET	0.3788031568	0.413432695
## ZSVAR.W.PET	-0.0371046531	-0.064982718
## Entropy_area.W.PET	0.7906164533	0.722528877
## Min_hist.ADC	0.0185910145	-0.026825154
## Max_hist.ADC	0.6830832846	0.586294507
## Mean_hist.ADC	0.5149793049	0.406918767
## Variance_hist.ADC	0.4201162578	0.356840383
## Standard_Deviation_hist.ADC	0.5686744942	0.484414841
## Skewness_hist.ADC	0.2534568760	0.269184457
## Kurtosis_hist.ADC	0.2324235774	0.191644108
## Energy_hist.ADC	0.1255641091	0.003653650
## Entropy_hist.ADC	0.7247831512	0.637914116
## AUC_hist.ADC	0.6840986349	0.595464198
## Volume.ADC	0.6535837375	0.683440902

## X3D_surface.ADC	0.6218813344	0.606319621
## ratio_3ds_vol.ADC	0.1926168763	0.102393036
## ratio_3ds_vol_norm.ADC	0.7113428978	0.623665036
## irregularity.ADC	0.5591600507	0.462851852
## Compactness_v1.ADC	0.2988935122	0.171055182
##	Elongation.PET	Flatness.PET
## Failure	0.024324115	0.004241142
## Entropy_cooc.W.ADC	0.060872036	0.066509562
## GLNU_align.H.PET	0.026257245	0.059334775
## Min_hist.PET	0.329084394	0.357428681
## Max_hist.PET	0.330055198	0.365528436
## Mean_hist.PET	0.317257304	0.356715283
## Variance_hist.PET	0.064102400	0.124760724
## Standard_Deviation_hist.PET	0.335965863	0.375506117
## Skewness_hist.PET	0.482439759	0.360692375
## Kurtosis_hist.PET	0.190036411	0.102420085
## Energy_hist.PET	0.495223635	0.385405374
## Entropy_hist.PET	0.674480102	0.644040021
## AUC_hist.PET	0.860075734	0.794966336
## H_suv.PET	0.421561857	0.405786226
## Volume.PET	0.116403319	0.187529551
## X3D_surface.PET	0.104404177	0.170756388
## ratio_3ds_vol.PET	0.608396167	0.402923434
## ratio_3ds_vol_norm.PET	0.603598976	0.477035775
## irregularity.PET	0.831198090	0.736354787
## tumor_length.PET	0.479495693	0.492668719
## Compactness_v1.PET	0.508774170	0.442920939
## Compactness_v2.PET	0.030676781	0.126722559
## Spherical_disproportion.PET	0.603598976	0.477035775
## Sphericity.PET	0.015476859	0.120779276
## Asphericity.PET	0.586796176	0.459885098
## Center_of_mass.PET	0.224817980	0.276142981
## Max_3D_diam.PET	0.167030354	0.263288970
## Major_axis_length.PET	0.174254608	0.235656187
## Minor_axis_length.PET	0.545175833	0.563194957
## Least_axis_length.PET	0.406827090	0.552551751
## Elongation.PET	1.000000000	0.901681087
## Flatness.PET	0.901681087	1.000000000
## Max_cooc.L.PET	0.504912433	0.392941506
## Average_cooc.L.PET	0.713974842	0.686096713
## Variance_cooc.L.PET	0.613233009	0.557606888
## Entropy_cooc.L.PET	0.828522116	0.784489027
## DAVE_cooc.L.PET	0.698642997	0.614572289
## DVAR_cooc.L.PET	0.661517325	0.552966210
## DENT_cooc.L.PET	0.836687099	0.764629586
## SAVE_cooc.L.PET	0.713688371	0.685926280
## SVAR_cooc.L.PET	0.605050434	0.573178959
## SENT_cooc.L.PET	0.862417334	0.790590526
## ASM_cooc.L.PET	0.486400101	0.380952333
## Contrast_cooc.L.PET	0.543587334	0.457750030
## Dissimilarity_cooc.L.PET	0.698642997	0.614572289
## Inv_diff_cooc.L.PET	0.739321235	0.690378524
## Inv_diff_norm_cooc.L.PET	0.847506355	0.789418321
## IDM_cooc.L.PET	0.680390896	0.628316778

## IDM_norm_cooc.L.PET	0.852198000	0.792188681	0.471917128
## Inv_var_cooc.L.PET	0.674285572	0.616339765	0.618854277
## Correlation_cooc.L.PET	0.538568027	0.575987147	0.315444780
## Autocorrelation_cooc.L.PET	0.562495633	0.557235660	0.280772927
## Tendency_cooc.L.PET	0.605050434	0.573178959	0.300821732
## Shade_cooc.L.PET	0.228973707	0.161672083	0.137400243
## Prominence_cooc.L.PET	0.454174845	0.412222682	0.245151638
## IC1_.L.PET	-0.319722409	-0.271706132	0.017418310
## IC2_.L.PET	0.809996775	0.720604366	0.542563745
## Coarseness_vdif_.L.PET	0.516391088	0.389073559	0.930078736
## Contrast_vdif_.L.PET	0.287960456	0.275238826	0.234001331
## Busyness_vdif_.L.PET	0.143775611	0.241662800	-0.041553808
## Complexity_vdif_.L.PET	0.690474185	0.579819876	0.440672366
## Strength_vdif_.L.PET	0.305189375	0.209016183	0.355348773
## SRE_align.L.PET	0.858494051	0.792270025	0.477818534
## LRE_align.L.PET	0.854620215	0.800952205	0.462066899
## GLNU_align.L.PET	0.098861664	0.195164611	-0.029267254
## RLNU_align.L.PET	0.040131191	0.158755742	-0.101478424
## RP_align.L.PET	0.858866878	0.792185030	0.477852839
## LGRE_align.L.PET	0.616482447	0.519324362	0.710282370
## HGRE_align.L.PET	0.582023678	0.565825480	0.294485169
## LGSRE_align.L.PET	0.620808008	0.522186675	0.719465989
## HGSRE_align.L.PET	0.580751059	0.562402079	0.296172589
## LGHRE_align.L.PET	0.597676478	0.506372343	0.671895620
## HGLRE_align.L.PET	0.585672268	0.578404380	0.286415223
## GLNU_norm_align.L.PET	0.671032453	0.549754773	0.928631265
## RLNU_norm_align.L.PET	0.859628837	0.790932733	0.478661087
## GLVAR_align.L.PET	0.643429725	0.603368566	0.319026783
## RLVAR_align.L.PET	0.623905249	0.563506931	0.835661499
## Entropy_align.L.PET	0.834187409	0.791373663	0.396191054
## SZSE.L.PET	0.825883791	0.751710275	0.481481927
## LZSE.L.PET	0.653042993	0.646186882	0.297093182
## LGLZE.L.PET	0.632718561	0.532415032	0.721164048
## HGLZE.L.PET	0.588984369	0.570218649	0.297338821
## SZLGE.L.PET	0.638337580	0.530852488	0.748200459
## SZHGE.L.PET	0.574551165	0.544873318	0.305593035
## LZLGE.L.PET	0.524983975	0.462950799	0.539627589
## LZHGE.L.PET	0.522897683	0.549299160	0.206137202
## GLNU_area.L.PET	0.089593086	0.187766223	-0.038412467
## ZSNU.L.PET	0.030525889	0.149375710	-0.113524297
## ZSP.L.PET	0.833439718	0.757988062	0.478614455
## GLNU_norm.L.PET	0.672529915	0.552045403	0.930951073
## ZSNU_norm.L.PET	0.846400972	0.769053928	0.479749929
## GLVAR_area.L.PET	0.650315155	0.604811036	0.327508839
## ZSVAR.L.PET	0.475851386	0.482326309	0.361998845
## Entropy_area.L.PET	0.834339347	0.795033365	0.394724765
## Max_cooc.H.PET	0.295128821	0.188043232	0.453241182
## Average_cooc.H.PET	0.847686301	0.766257736	0.458672154
## Variance_cooc.H.PET	0.710085783	0.704888982	0.312146194
## Entropy_cooc.H.PET	0.667249635	0.669945501	0.287222156
## DAVE_cooc.H.PET	0.761675098	0.700893165	0.353434072
## DVAR_cooc.H.PET	0.723406047	0.656656510	0.364802094
## DENT_cooc.H.PET	0.609537291	0.599218323	0.204310059
## SAVE_cooc.H.PET	0.845623770	0.775171903	0.431652556

## SVAR_cooc.H.PET	0.679152529	0.677861460	0.321202374
## SENT_cooc.H.PET	0.665041090	0.596125376	0.590149627
## ASM_cooc.H.PET	0.287061675	0.178370442	0.540264379
## Contrast_cooc.H.PET	0.679820484	0.617093828	0.318114767
## Dissimilarity_cooc.H.PET	0.761675098	0.700893165	0.353434072
## Inv_diff_cooc.H.PET	0.620511416	0.532641668	0.500420225
## Inv_diff_norm_cooc.H.PET	0.854929718	0.791443134	0.488504924
## IDM_cooc.H.PET	0.541971094	0.451290292	0.473803887
## IDM_norm_cooc.H.PET	0.857278843	0.794809543	0.479441307
## Inv_var_cooc.H.PET	0.535475068	0.447665793	0.889470745
## Correlation_cooc.H.PET	0.541013343	0.589334592	0.314167453
## Autocorrelation_cooc.H.PET	0.805128377	0.716510147	0.463140545
## Tendency_cooc.H.PET	0.662911927	0.689271805	0.280877925
## Shade_cooc.H.PET	-0.388956871	-0.427547602	-0.152281875
## Prominence_cooc.H.PET	0.457099810	0.526392228	0.155890063
## IC1_d.H.PET	-0.066870239	-0.178614903	0.366705149
## IC2_d.H.PET	0.642886351	0.684347904	0.369385498
## Coarseness_vdif.H.PET	0.476738055	0.370872009	0.993927008
## Contrast_vdif.H.PET	0.304352304	0.210730307	0.285651913
## Busyness_vdif.H.PET	-0.030609185	0.078777542	-0.394982041
## Complexity_vdif.H.PET	0.703093840	0.564366975	0.670968680
## Strength_vdif.H.PET	-0.016514302	-0.045070270	0.168820052
## SRE_align.H.PET	0.823748669	0.767474921	0.448811597
## LRE_align.H.PET	0.582667781	0.523395803	0.340992404
## RLNU_align.H.PET	0.020846744	0.136381930	-0.090363739
## RP_align.H.PET	0.810234092	0.754563266	0.443056242
## LGRE_align.H.PET	0.480830279	0.382789179	0.986688737
## HGRE_align.H.PET	0.797333878	0.699994831	0.460651918
## LGSRE_align.H.PET	0.479060422	0.380635993	0.986875183
## HGSRE_align.H.PET	0.822531132	0.724875804	0.456016297
## LGHRE_align.H.PET	0.492082446	0.396060129	0.985866469
## HGLRE_align.H.PET	0.408314325	0.352678250	0.272476220
## GLNU_norm_align.H.PET	0.504595166	0.380290909	0.493138280
## RLNU_norm_align.H.PET	0.758813140	0.710049409	0.411035692
## GLVAR_align.H.PET	0.672787910	0.678356539	0.286796886
## RLVAR_align.H.PET	0.306877044	0.264738904	0.225700284
## Entropy_align.H.PET	0.716451960	0.714559200	0.316494061
## SZSE.H.PET	0.692127702	0.636417556	0.380429407
## LZSE.H.PET	-0.012464661	-0.042439018	-0.060090419
## LGLZE.H.PET	0.479582493	0.381487106	0.984807476
## HGLZE.H.PET	0.743465610	0.656725746	0.393311135
## SZLGE.H.PET	0.474600529	0.374946064	0.985834588
## SZHGE.H.PET	0.667312972	0.566689652	0.355356856
## LZLGE.H.PET	0.065802822	0.033413278	0.072761204
## LZHGE.H.PET	-0.034388351	-0.054231549	-0.011489310
## GLNU_area.H.PET	0.088155200	0.196440306	-0.099790534
## ZSNU.H.PET	-0.035877870	0.072522831	-0.099682779
## ZSP.H.PET	0.505926666	0.466173564	0.260032565
## GLNU_norm.H.PET	0.531830471	0.432664570	0.485570828
## ZSNU_norm.H.PET	0.568856738	0.530739986	0.309334862
## GLVAR_area.H.PET	0.649849820	0.646272276	0.275598115
## ZSVAR.H.PET	-0.020691192	-0.046609279	-0.035426729
## Entropy_area.H.PET	0.775560630	0.756521780	0.363031219
## Max_cooc.W.PET	0.339142533	0.220085747	0.674017072

## Average_cooc.W.PET	0.311041544	0.359478488	0.107487039
## Variance_cooc.W.PET	0.070848107	0.125273860	0.041930080
## Entropy_cooc.W.PET	0.677770599	0.673148722	0.285048395
## DAVE_cooc.W.PET	0.370704355	0.377182486	0.145105030
## DVAR_cooc.W.PET	0.102866657	0.128096931	0.039645705
## DENT_cooc.W.PET	0.665702185	0.644408964	0.302597312
## SAVE_cooc.W.PET	0.310139430	0.358799700	0.105472295
## SVAR_cooc.W.PET	0.048306303	0.113695779	0.042530098
## SENT_cooc.W.PET	0.746076983	0.718369988	0.414577339
## ASM_cooc.W.PET	0.393796278	0.271861628	0.835944118
## Contrast_cooc.W.PET	0.122946746	0.143935587	0.035362319
## Dissimilarity_cooc.W.PET	0.370704355	0.377182486	0.145105030
## Inv_diff_cooc.W.PET	0.706821101	0.613100783	0.513177788
## Inv_diff_norm_cooc.W.PET	0.848568521	0.790250555	0.477199747
## IDM_cooc.W.PET	0.597128766	0.502018905	0.482259439
## IDM_norm_cooc.W.PET	0.852890158	0.793050871	0.472944445
## Inv_var_cooc.W.PET	0.666504811	0.575248359	0.509900178
## Correlation_cooc.W.PET	0.536999618	0.575301435	0.312881296
## Autocorrelation_cooc.W.PET	0.031499242	0.101173341	-0.004600758
## Tendency_cooc.W.PET	0.048306303	0.113695779	0.042530098
## Shade_cooc.W.PET	-0.038310579	0.007724937	0.053075817
## Prominence_cooc.W.PET	-0.077704375	-0.026155815	0.022619794
## IC1_d.W.PET	-0.051451722	-0.154028652	0.424351678
## IC2_d.W.PET	0.704033660	0.710240661	0.431932707
## Coarseness_vdif.W.PET	0.493501993	0.375959379	0.862811903
## Contrast_vdif.W.PET	0.401637988	0.378673658	0.268639230
## Busyness_vdif.W.PET	0.183727876	0.229139800	-0.085810655
## Complexity_vdif.W.PET	-0.014395966	0.032120694	0.034909220
## Strength_vdif.W.PET	0.185026097	0.153880711	0.230362928
## SRE_align.W.PET	0.847284265	0.787440812	0.465046903
## LRE_align.W.PET	0.771445268	0.700135953	0.438134447
## GLNU_align.W.PET	0.142324415	0.238465777	-0.085794638
## RLNU_align.W.PET	0.031234016	0.147910245	-0.090854303
## RP_align.W.PET	0.842095748	0.783637422	0.461372667
## LGRE_align.W.PET	0.500691421	0.376264390	0.475517222
## HGRE_align.W.PET	0.034228685	0.100998854	-0.011836160
## LGSRE_align.W.PET	0.537708149	0.411866514	0.504061299
## HGSRE_align.W.PET	0.029614741	0.095223953	-0.012976853
## LGHRE_align.W.PET	0.336328833	0.225826915	0.341437979
## HGLRE_align.W.PET	0.053633639	0.125663070	-0.007558021
## GLNU_norm_align.W.PET	0.506246320	0.371181938	0.594565660
## RLNU_norm_align.W.PET	0.820598262	0.766737373	0.444864389
## GLVAR_align.W.PET	0.062977730	0.123903123	0.029204595
## RLVAR_align.W.PET	0.373412991	0.304134184	0.372247926
## Entropy_align.W.PET	0.722071909	0.716888237	0.317384818
## SZSE.W.PET	0.776503903	0.712488057	0.443552064
## LZSE.W.PET	0.131479300	0.112719710	0.119830503
## LGLZE.W.PET	0.530374558	0.407422630	0.493485476
## HGLZE.W.PET	0.035591307	0.101731055	-0.008973265
## SZLGE.W.PET	0.599893768	0.455871252	0.575044322
## SZHGE.W.PET	0.019167760	0.082415870	-0.010777318
## LZLGE.W.PET	0.002626251	-0.039848587	0.051765565
## LZHGE.W.PET	0.154313141	0.252099011	0.030587333
## GLNU_area.W.PET	0.121636094	0.223259179	-0.090930364

## ZSNU.W.PET	-0.001605931	0.110843594	-0.092780504
## ZSP.W.PET	0.709792750	0.659470331	0.379898630
## GLNU_norm.W.PET	0.532857772	0.403756151	0.605008602
## ZSNU_norm.W.PET	0.702524425	0.651552781	0.387631565
## GLVAR_area.W.PET	0.067061613	0.124465193	0.035355454
## ZSVAR.W.PET	0.045585897	0.027482293	0.080234551
## Entropy_area.W.PET	0.768341658	0.756517724	0.346642135
## Min_hist.ADC	0.218795950	0.156780843	0.222151481
## Max_hist.ADC	0.737724138	0.674613708	0.377988498
## Mean_hist.ADC	0.725380810	0.625030681	0.390539501
## Variance_hist.ADC	0.337085349	0.292855701	0.281769558
## Standard_Deviation_hist.ADC	0.588112027	0.529990471	0.370117462
## Skewness_hist.ADC	0.096881772	0.164302609	0.121182161
## Kurtosis_hist.ADC	0.204651580	0.158483878	0.110346794
## Energy_hist.ADC	0.490895455	0.383964963	0.989199535
## Entropy_hist.ADC	0.826867046	0.791732754	0.392593930
## AUC_hist.ADC	0.826956092	0.785979326	0.477223363
## Volume.ADC	0.111155944	0.153857614	-0.161373058
## X3D_surface.ADC	0.338645073	0.366858966	0.085592989
## ratio_3ds_vol.ADC	0.556438645	0.463632586	0.497222178
## ratio_3ds_vol_norm.ADC	0.781710306	0.724435390	0.378022867
## irregularity.ADC	0.805512124	0.738347964	0.479927067
## Compactness_v1.ADC	0.684838242	0.587485029	0.939768037
##	Average_cooc.L.PET	Variance_cooc.L.PET	
## Failure	0.082640607	0.123318559	
## Entropy_cooc.W.ADC	-0.051034828	-0.157232762	
## GLNU_align.H.PET	-0.149307529	-0.236605063	
## Min_hist.PET	0.442019946	0.299686491	
## Max_hist.PET	0.330624050	0.105244387	
## Mean_hist.PET	0.454620600	0.250661486	
## Variance_hist.PET	0.186688702	0.043281582	
## Standard_Deviation_hist.PET	0.412011218	0.221122079	
## Skewness_hist.PET	0.057308577	0.191706643	
## Kurtosis_hist.PET	-0.274026209	-0.253351328	
## Energy_hist.PET	0.384214847	0.401050815	
## Entropy_hist.PET	0.607153084	0.350471575	
## AUC_hist.PET	0.787694314	0.627526617	
## H_suv.PET	0.510151368	0.357606936	
## Volume.PET	0.084923869	-0.193344226	
## X3D_surface.PET	0.033087809	-0.159715041	
## ratio_3ds_vol.PET	0.493451432	0.637921470	
## ratio_3ds_vol_norm.PET	0.360615016	0.320170527	
## irregularity.PET	0.805570383	0.725085911	
## tumor_length.PET	0.329646500	0.064702323	
## Compactness_v1.PET	0.423445138	0.309934284	
## Compactness_v2.PET	0.161830577	-0.018232246	
## Spherical_disproportion.PET	0.360615016	0.320170527	
## Sphericity.PET	0.162757389	-0.004410276	
## Asphericity.PET	0.340742297	0.304976100	
## Center_of_mass.PET	0.130512812	0.029990009	
## Max_3D_diam.PET	0.201005791	-0.113757929	
## Major_axis_length.PET	0.256670813	-0.059375635	
## Minor_axis_length.PET	0.341533235	0.030669613	
## Least_axis_length.PET	0.294343197	-0.022808303	

## Elongation.PET	0.713974842	0.613233009
## Flatness.PET	0.686096713	0.557606888
## Max_cooc.L.PET	0.348284411	0.319710231
## Average_cooc.L.PET	1.000000000	0.848489876
## Variance_cooc.L.PET	0.848489876	1.000000000
## Entropy_cooc.L.PET	0.853961038	0.661271672
## DAVE_cooc.L.PET	0.880818236	0.945107834
## DVAR_cooc.L.PET	0.712414638	0.823057881
## DENT_cooc.L.PET	0.890447764	0.790187425
## SAVE_cooc.L.PET	0.999999328	0.848470381
## SVAR_cooc.L.PET	0.840496063	0.967777594
## SENT_cooc.L.PET	0.861997178	0.734772311
## ASM_cooc.L.PET	0.337424038	0.303164141
## Contrast_cooc.L.PET	0.746939347	0.916558132
## Dissimilarity_cooc.L.PET	0.880818236	0.945107834
## Inv_diff_cooc.L.PET	0.468747227	0.222845794
## Inv_diff_norm_cooc.L.PET	0.763499899	0.569941625
## IDM_cooc.L.PET	0.352535667	0.116610180
## IDM_norm_cooc.L.PET	0.787379511	0.603857969
## Inv_var_cooc.L.PET	0.357026395	0.119683154
## Correlation_cooc.L.PET	0.399164704	0.178404121
## Autocorrelation_cooc.L.PET	0.946643824	0.831638625
## Tendency_cooc.L.PET	0.840496063	0.967777594
## Shade_cooc.L.PET	0.120830546	0.437845224
## Prominence_cooc.L.PET	0.625789271	0.889208949
## IC1_.L.PET	-0.495438474	-0.692772144
## IC2_.L.PET	0.830896838	0.810919283
## Coarseness_vdif_.L.PET	0.484752820	0.529953247
## Contrast_vdif_.L.PET	0.367303089	0.591698114
## Busyness_vdif_.L.PET	-0.001220945	-0.214295970
## Complexity_vdif_.L.PET	0.750821191	0.869250064
## Strength_vdif_.L.PET	0.308475111	0.591729664
## SRE_align.L.PET	0.822817206	0.665069874
## LRE_align.L.PET	0.762217135	0.570447373
## GLNU_align.L.PET	-0.053381469	-0.303458146
## RLNU_align.L.PET	0.022635456	-0.250920662
## RP_align.L.PET	0.826253546	0.670659618
## LGRE_align.L.PET	0.244207724	0.328958551
## HGRE_align.L.PET	0.955597990	0.840455240
## LGSRE_align.L.PET	0.255903944	0.340797412
## HGSRE_align.L.PET	0.954406949	0.845852130
## LGHRE_align.L.PET	0.195803089	0.277894878
## HGLRE_align.L.PET	0.957161140	0.815491005
## GLNU_norm_align.L.PET	0.412246974	0.375418670
## RLNU_norm_align.L.PET	0.837349575	0.689527669
## GLVAR_align.L.PET	0.905248283	0.987532599
## RLVAR_align.L.PET	0.321596166	0.122187169
## Entropy_align.L.PET	0.861924931	0.661876816
## SZSE.L.PET	0.821091271	0.680986552
## LZSE.L.PET	0.445358747	0.248788933
## LGLZE.L.PET	0.261782413	0.338200383
## HGLZE.L.PET	0.958451679	0.848902267
## SZLGE.L.PET	0.298592282	0.374733920
## SZHGE.L.PET	0.945913040	0.858262319

## LZLGE.L.PET	0.060885445	0.118803431
## LZHGE.L.PET	0.791117359	0.618214658
## GLNU_area.L.PET	-0.040808512	-0.291714543
## ZSNU.L.PET	0.040033047	-0.232844391
## ZSP.L.PET	0.840744226	0.706711834
## GLNU_norm.L.PET	0.414644476	0.374679350
## ZSNU_norm.L.PET	0.860199790	0.732169490
## GLVAR_area.L.PET	0.909222791	0.987070410
## ZSVAR.L.PET	0.096417848	-0.126157991
## Entropy_area.L.PET	0.840526431	0.630719237
## Max_cooc.H.PET	0.224387468	0.330897728
## Average_cooc.H.PET	0.798561185	0.689403497
## Variance_cooc.H.PET	0.770907590	0.477574867
## Entropy_cooc.H.PET	0.661104345	0.535262361
## DAVE_cooc.H.PET	0.809060473	0.636653333
## DVAR_cooc.H.PET	0.830954060	0.609075909
## DENT_cooc.H.PET	0.566452202	0.382400172
## SAVE_cooc.H.PET	0.800795665	0.661956767
## SVAR_cooc.H.PET	0.686735945	0.379775182
## SENT_cooc.H.PET	0.587532577	0.471141011
## ASM_cooc.H.PET	0.234740067	0.298464465
## Contrast_cooc.H.PET	0.779711130	0.601106447
## Dissimilarity_cooc.H.PET	0.809060473	0.636653333
## Inv_diff_cooc.H.PET	0.505446773	0.450060970
## Inv_diff_norm_cooc.H.PET	0.793503343	0.633984107
## IDM_cooc.H.PET	0.423421230	0.394208286
## IDM_norm_cooc.H.PET	0.800396715	0.638948728
## Inv_var_cooc_.H.PET	0.379439704	0.291338234
## Correlation_cooc.H.PET	0.420898470	0.174665049
## Autocorrelation_cooc.H.PET	0.751085273	0.678795815
## Tendency_cooc.H.PET	0.697215635	0.368125571
## Shade_cooc.H.PET	-0.519908803	-0.137647116
## Prominence_cooc.H.PET	0.539321874	0.158723253
## IC1_d.H.PET	0.001325725	0.089555117
## IC2_d.H.PET	0.524075189	0.307463479
## Coarseness_vdif.H.PET	0.354394286	0.341698679
## Contrast_vdif.H.PET	0.466574753	0.449325732
## Busyness_vdif.H.PET	-0.022929893	-0.139153742
## Complexity_vdif.H.PET	0.671077655	0.622161465
## Strength_vdif.H.PET	0.012038504	0.132957333
## SRE_align.H.PET	0.799586551	0.636277650
## LRE_align.H.PET	0.490213122	0.396490414
## RLNU_align.H.PET	0.038113235	-0.229865855
## RP_align.H.PET	0.797971616	0.639151033
## LGRE_align.H.PET	0.373964370	0.306672963
## HGRE_align.H.PET	0.740704025	0.659786606
## LGSRE_align.H.PET	0.372109870	0.306511159
## HGSRE_align.H.PET	0.771835602	0.693403891
## LGHRE_align.H.PET	0.382770530	0.306201605
## HGLRE_align.H.PET	0.355002031	0.304897618
## GLNU_norm_align.H.PET	0.412789691	0.495117337
## RLNU_norm_align.H.PET	0.765174413	0.612520564
## GLVAR_align.H.PET	0.743598972	0.416354677
## RLVAR_align.H.PET	0.179816174	0.133003028

## Entropy_align.H.PET	0.708745378	0.442032858
## SZSE.H.PET	0.675524905	0.517008693
## LZSE.H.PET	-0.064610163	-0.020194685
## LGLZE.H.PET	0.377311198	0.305513181
## HGLZE.H.PET	0.596309975	0.543261332
## SZLGE.H.PET	0.370195530	0.305087248
## SZHGE.H.PET	0.571544229	0.547924703
## LZLGE.H.PET	-0.005833026	0.002802469
## LZHGE.H.PET	-0.038147246	-0.005794228
## GLNU_area.H.PET	0.024302515	-0.231868325
## ZSNU.H.PET	0.050052288	-0.197233777
## ZSP.H.PET	0.562805550	0.435679156
## GLNU_norm.H.PET	0.477709679	0.535645873
## ZSNU_norm.H.PET	0.574939829	0.438099273
## GLVAR_area.H.PET	0.712155981	0.378704447
## ZSVAR_H.PET	-0.052030852	-0.020377232
## Entropy_area.H.PET	0.727857523	0.464075699
## Max_cooc.W.PET	0.261838594	0.336289669
## Average_cooc.W.PET	0.472938298	0.200693160
## Variance_cooc.W.PET	0.178593019	0.074328278
## Entropy_cooc.W.PET	0.687825719	0.461532502
## DAVE_cooc.W.PET	0.479442187	0.344347079
## DVAR_cooc.W.PET	0.239545302	0.142360564
## DENT_cooc.W.PET	0.680285471	0.506186068
## SAVE_cooc.W.PET	0.472350841	0.200119247
## SVAR_cooc.W.PET	0.135856246	0.031263298
## SENT_cooc.W.PET	0.710915122	0.518248196
## ASM_cooc.W.PET	0.305829844	0.332464169
## Contrast_cooc.W.PET	0.274117575	0.180069123
## Dissimilarity_cooc.W.PET	0.479442187	0.344347079
## Inv_diff_cooc.W.PET	0.596854004	0.513789799
## Inv_diff_norm_cooc.W.PET	0.765478335	0.573798591
## IDM_cooc.W.PET	0.488527459	0.435175638
## IDM_norm_cooc.W.PET	0.788273042	0.605603206
## Inv_var_cooc.W.PET	0.550090221	0.473125929
## Correlation_cooc.W.PET	0.395641865	0.171321280
## Autocorrelation_cooc.W.PET	0.240294226	-0.001086225
## Tendency_cooc.W.PET	0.135856246	0.031263298
## Shade_cooc.W.PET	-0.088832281	-0.051580812
## Prominence_cooc.W.PET	-0.072512370	-0.086495327
## IC1_d.W.PET	-0.042306303	0.002422744
## IC2_d.W.PET	0.616795044	0.442713426
## Coarseness_vdif.W.PET	0.489321594	0.563246783
## Contrast_vdif.W.PET	0.555102756	0.579133011
## Busyness_vdif.W.PET	0.168380568	0.197232544
## Complexity_vdif.W.PET	0.025772581	-0.114807699
## Strength_vdif.W.PET	0.095074538	0.248734926
## SRE_align.W.PET	0.810527729	0.646376308
## LRE_align.W.PET	0.689506269	0.547314141
## GLNU_align.W.PET	-0.029639499	-0.273317648
## RLNU_align.W.PET	0.026515630	-0.243241051
## RP_align.W.PET	0.810176982	0.647243500
## LGRE_align.W.PET	0.327033303	0.496172233
## HGRE_align.W.PET	0.235286823	-0.007162733

## LGSRE_align.W.PET	0.359130041	0.529057783	
## HGSRE_align.W.PET	0.230910260	-0.005291152	
## LGHRE_align.W.PET	0.189434291	0.343951421	
## HGLRE_align.W.PET	0.252265725	-0.016805225	
## GLNU_norm_align.W.PET	0.409555822	0.492120363	
## RLNU_norm_align.W.PET	0.797566716	0.636880940	
## GLVAR_align.W.PET	0.184626809	0.039664739	
## RLVAR_align.W.PET	0.251923364	0.200011266	
## Entropy_align.W.PET	0.716620602	0.459080829	
## SZSE.W.PET	0.763409439	0.607215187	
## LZSE.W.PET	0.125769685	0.131500703	
## LGLZE.W.PET	0.362005405	0.497766007	
## HGLZE.W.PET	0.229070020	-0.003943905	
## SZLGE.W.PET	0.417394613	0.538689249	
## SZHGE.W.PET	0.214910897	0.002060541	
## LZLGE.W.PET	-0.028285770	0.069139838	
## LZHGE.W.PET	0.295984275	-0.037604919	
## GLNU_area.W.PET	-0.003778099	-0.256394848	
## ZSNU.W.PET	0.039132296	-0.219026419	
## ZSP.W.PET	0.710957020	0.556208835	
## GLNU_norm.W.PET	0.452687645	0.514611530	
## ZSNU_norm.W.PET	0.701846720	0.551841969	
## GLVAR_area.W.PET	0.180675904	0.034475308	
## ZSVAR.W.PET	0.052371617	0.070044268	
## Entropy_area.W.PET	0.735455631	0.479172638	
## Min_hist.ADC	0.406460777	0.407416970	
## Max_hist.ADC	0.616592708	0.435310990	
## Mean_hist.ADC	0.667644510	0.566853358	
## Variance_hist.ADC	0.218150979	0.105920797	
## Standard_Deviation_hist.ADC	0.479140626	0.331628584	
## Skewness_hist.ADC	0.222462060	0.088997315	
## Kurtosis_hist.ADC	0.160387723	0.127846498	
## Energy_hist.ADC	0.378305158	0.349843324	
## Entropy_hist.ADC	0.718124751	0.512457136	
## AUC_hist.ADC	0.798685325	0.606729566	
## Volume.ADC	0.082711084	-0.178508594	
## X3D_surface.ADC	0.192568854	-0.013075063	
## ratio_3ds_vol.ADC	0.641622418	0.651629087	
## ratio_3ds_vol_norm.ADC	0.699131070	0.523581872	
## irregularity.ADC	0.831556038	0.696547782	
## Compactness_v1.ADC	0.589089812	0.512192039	
##	Entropy_cooc.L.PET	DAVE_cooc.L.PET	DVAR_cooc.L.PET
## Failure	-0.002893407	0.103662829	0.140359688
## Entropy_cooc.W.ADC	0.023682164	-0.146086427	-0.179007684
## GLNU_align.H.PET	-0.039119007	-0.226861846	-0.189249126
## Min_hist.PET	0.556147201	0.416361907	0.388012029
## Max_hist.PET	0.552656249	0.244242782	0.272059038
## Mean_hist.PET	0.565958458	0.375316097	0.343236218
## Variance_hist.PET	0.291759552	0.103783818	0.138897265
## Standard_Deviation_hist.PET	0.568312340	0.330818600	0.332928638
## Skewness_hist.PET	0.426099171	0.251921865	0.386403165
## Kurtosis_hist.PET	0.030624567	-0.172961765	0.071240391
## Energy_hist.PET	0.353383824	0.436702612	0.475902305
## Entropy_hist.PET	0.873702113	0.482961490	0.360655289

## AUC_hist.PET	0.968368894	0.739540314	0.661632712
## H_suv.PET	0.595935004	0.492074108	0.482682406
## Volume.PET	0.349854949	-0.052771301	-0.116932151
## X3D_surface.PET	0.221586309	-0.123238244	-0.082373920
## ratio_3ds_vol.PET	0.475679804	0.632590652	0.662959516
## ratio_3ds_vol_norm.PET	0.517149055	0.320156616	0.370260871
## irregularity.PET	0.925666299	0.810522808	0.730245182
## tumor_length.PET	0.598593150	0.139365316	0.130715008
## Compactness_v1.PET	0.493649580	0.400004926	0.409592397
## Compactness_v2.PET	0.278260034	0.081278703	0.012894548
## Spherical_disproportion.PET	0.517149055	0.320156616	0.370260871
## Sphericity.PET	0.287614774	0.099914410	0.011523028
## Asphericity.PET	0.494538531	0.301370726	0.355344828
## Center_of_mass.PET	0.356406341	0.003882214	0.043853545
## Max_3D_diam.PET	0.493695840	0.008773130	-0.059091214
## Major_axis_length.PET	0.532984664	0.057837629	-0.001154193
## Minor_axis_length.PET	0.671701900	0.150243176	0.126633021
## Least_axis_length.PET	0.587885334	0.072721308	0.030839788
## Elongation.PET	0.828522116	0.698642997	0.661517325
## Flatness.PET	0.784489027	0.614572289	0.552966210
## Max_cooc.L.PET	0.380397679	0.365987662	0.420516825
## Average_cooc.L.PET	0.853961038	0.880818236	0.712414638
## Variance_cooc.L.PET	0.661271672	0.945107834	0.823057881
## Entropy_cooc.L.PET	1.000000000	0.765651887	0.640050353
## DAVE_cooc.L.PET	0.765651887	1.000000000	0.892571348
## DVAR_cooc.L.PET	0.640050353	0.892571348	1.000000000
## DENT_cooc.L.PET	0.970142724	0.886025073	0.774333016
## SAVE_cooc.L.PET	0.853883178	0.880760874	0.712237371
## SVAR_cooc.L.PET	0.679957102	0.860751841	0.715371306
## SENT_cooc.L.PET	0.964316020	0.808673944	0.699234521
## ASM_cooc.L.PET	0.359814697	0.347932864	0.394664408
## Contrast_cooc.L.PET	0.542530835	0.951834287	0.883243079
## Dissimilarity_cooc.L.PET	0.765651887	1.000000000	0.892571348
## Inv_diff_cooc.L.PET	0.787108701	0.346311402	0.353485716
## Inv_diff_norm_cooc.L.PET	0.969858358	0.685193240	0.606995119
## IDM_cooc.L.PET	0.680381927	0.235819650	0.281008296
## IDM_norm_cooc.L.PET	0.977150864	0.716561306	0.631888412
## Inv_var_cooc.L.PET	0.688277927	0.237792537	0.275685658
## Correlation_cooc.L.PET	0.644835238	0.133659851	0.041237396
## Autocorrelation_cooc.L.PET	0.661259071	0.791033720	0.622583899
## Tendency_cooc.L.PET	0.679957102	0.860751841	0.715371306
## Shade_cooc.L.PET	0.292524094	0.313909676	0.289489176
## Prominence_cooc.L.PET	0.466119143	0.717263589	0.613126780
## IC1_.L.PET	-0.303974503	-0.589449913	-0.532980960
## IC2_.L.PET	0.858210023	0.832421771	0.748390871
## Coarseness_vdif_.L.PET	0.386380224	0.534260699	0.546875178
## Contrast_vdif_.L.PET	0.155051152	0.609508029	0.588440947
## Busyness_vdif_.L.PET	0.313877951	-0.108088422	-0.060818826
## Complexity_vdif_.L.PET	0.684947095	0.955675862	0.905273817
## Strength_vdif_.L.PET	0.175797030	0.541487280	0.559057257
## SRE_align.L.PET	0.981041433	0.774084830	0.684086383
## LRE_align.L.PET	0.966330063	0.686668482	0.613094671
## GLNU_align.L.PET	0.242032703	-0.208051248	-0.127306419
## RLNU_align.L.PET	0.254407462	-0.167267413	-0.166703337

## RP_align.L.PET	0.981354417	0.779091121	0.687973064
## LGRE_align.L.PET	0.507545463	0.400060635	0.507090480
## HGRE_align.L.PET	0.677336245	0.828818632	0.668789259
## LGSRE_align.L.PET	0.513586000	0.411959152	0.515477174
## HGSRE_align.L.PET	0.674830450	0.834034787	0.675747860
## LGHRE_align.L.PET	0.480786923	0.348934690	0.470589886
## HGLRE_align.L.PET	0.685508848	0.804795695	0.638369801
## GLNU_norm_align.L.PET	0.566635999	0.460685338	0.531342584
## RLNU_norm_align.L.PET	0.981648400	0.795935499	0.701477907
## GLVAR_align.L.PET	0.703392614	0.943779443	0.806885373
## RLVAR_align.L.PET	0.555246121	0.218479090	0.278011497
## Entropy_align.L.PET	0.997929349	0.762804720	0.639624531
## SZSE.L.PET	0.960195024	0.786193337	0.697077554
## LZSE.L.PET	0.662020459	0.341255192	0.314253962
## LGLZE.L.PET	0.518914556	0.413184321	0.516248387
## HGLZE.L.PET	0.685363850	0.840189189	0.683545862
## SZLGE.L.PET	0.531509209	0.450526865	0.542391692
## SZHGE.L.PET	0.675805281	0.852326401	0.705600119
## LZLGE.L.PET	0.383434065	0.183763299	0.337730835
## LZHGE.L.PET	0.573977134	0.603609334	0.445794184
## GLNU_area.L.PET	0.248429412	-0.196584013	-0.127847420
## ZSNU.L.PET	0.261617591	-0.148629769	-0.159592681
## ZSP.L.PET	0.969387238	0.810435409	0.715283911
## GLNU_norm.L.PET	0.568422420	0.460633916	0.528523377
## ZSNU_norm.L.PET	0.973481728	0.834753394	0.736966491
## GLVAR_area.L.PET	0.712769345	0.949358540	0.814817733
## ZSVAR.L.PET	0.378814286	-0.037545824	0.036334442
## Entropy_area.L.PET	0.995849520	0.734869963	0.617318207
## Max_cooc.H.PET	0.227261041	0.268954258	0.238622871
## Average_cooc.H.PET	0.944155821	0.770222915	0.673598863
## Variance_cooc.H.PET	0.884018013	0.627096378	0.541825609
## Entropy_cooc.H.PET	0.836339914	0.648627153	0.643524433
## DAVE_cooc.H.PET	0.892580515	0.812243957	0.744030850
## DVAR_cooc.H.PET	0.872444101	0.790009320	0.705863956
## DENT_cooc.H.PET	0.790003387	0.516002771	0.409497634
## SAVE_cooc.H.PET	0.962910603	0.750748952	0.640510530
## SVAR_cooc.H.PET	0.862062996	0.496362151	0.369871314
## SENT_cooc.H.PET	0.676982083	0.549285456	0.550561770
## ASM_cooc.H.PET	0.217567441	0.250282296	0.226741899
## Contrast_cooc.H.PET	0.808666373	0.794278135	0.732433269
## Dissimilarity_cooc.H.PET	0.892580515	0.812243957	0.744030850
## Inv_diff_cooc.H.PET	0.612903096	0.435589254	0.349349149
## Inv_diff_norm_cooc.H.PET	0.970562949	0.730008067	0.641464642
## IDM_cooc.H.PET	0.505381095	0.361787293	0.281081220
## IDM_norm_cooc.H.PET	0.976035553	0.741075532	0.653488412
## Inv_var_cooc_.H.PET	0.529081158	0.362440381	0.420708866
## Correlation_cooc.H.PET	0.655115893	0.143451142	0.054730175
## Autocorrelation_cooc.H.PET	0.876938421	0.725990291	0.626478977
## Tendency_cooc.H.PET	0.845675812	0.480701204	0.390389412
## Shade_cooc.H.PET	-0.456329053	-0.240157395	-0.137821274
## Prominence_cooc.H.PET	0.648360367	0.272165722	0.198714315
## IC1_d.H.PET	-0.123629961	0.231871894	0.334740414
## IC2_d.H.PET	0.758195456	0.306191462	0.223555406
## Coarseness_vdif.H.PET	0.352923012	0.379154124	0.421713693

## Contrast_vdif.H.PET	0.251060562	0.414394447	0.333761013
## Busyness_vdif.H.PET	0.156138547	-0.060085588	-0.132360782
## Complexity_vdif.H.PET	0.629697294	0.714929488	0.706307450
## Strength_vdif.H.PET	-0.027850617	0.108505641	0.139722436
## SRE_align.H.PET	0.962249700	0.771699386	0.705519816
## LRE_align.H.PET	0.609578000	0.383556276	0.266728877
## RLNU_align.H.PET	0.256042639	-0.139421238	-0.131682470
## RP_align.H.PET	0.951551373	0.777362159	0.716155077
## LGRE_align.H.PET	0.388213077	0.357753872	0.394233364
## HGRE_align.H.PET	0.877847150	0.727466048	0.636655049
## LGSRE_align.H.PET	0.385670674	0.357384681	0.394298797
## HGSRE_align.H.PET	0.926248153	0.799595031	0.731877793
## LGHRE_align.H.PET	0.401690828	0.357031281	0.390060980
## HGLRE_align.H.PET	0.410065755	0.252047800	0.145218000
## GLNU_norm_align.H.PET	0.437349195	0.462961480	0.402870893
## RLNU_norm_align.H.PET	0.908584379	0.761258877	0.714640210
## GLVAR_align.H.PET	0.856975376	0.570661364	0.482166284
## RLVAR_align.H.PET	0.258823417	0.058005200	-0.040036779
## Entropy_align.H.PET	0.919043822	0.574288737	0.496630934
## SZSE.H.PET	0.856033951	0.669858517	0.643492950
## LZSE.H.PET	-0.055958420	-0.112266335	-0.139807143
## LGLZE.H.PET	0.389604959	0.356918844	0.392158294
## HGLZE.H.PET	0.836283002	0.613267436	0.525425595
## SZLGE.H.PET	0.382397260	0.355581169	0.392830949
## SZHGE.H.PET	0.791176485	0.682720656	0.693048229
## LZLGE.H.PET	-0.003534412	-0.091273493	-0.129902239
## LZHGE.H.PET	-0.050458122	-0.101073233	-0.133762385
## GLNU_area.H.PET	0.284678941	-0.130628068	-0.109497480
## ZSNU.H.PET	0.232004846	-0.108722129	-0.102712893
## ZSP.H.PET	0.689525409	0.592276438	0.596034556
## GLNU_norm.H.PET	0.464170856	0.486122093	0.402558640
## ZSNU_norm.H.PET	0.733953709	0.591501514	0.590922366
## GLVAR_area.H.PET	0.838039072	0.542917620	0.454923319
## ZSVAR_H.PET	-0.055151395	-0.113996472	-0.146641655
## Entropy_area.H.PET	0.955241206	0.597572477	0.505372873
## Max_cooc.W.PET	0.256250028	0.310845991	0.310484198
## Average_cooc.W.PET	0.572801796	0.324187359	0.287687677
## Variance_cooc.W.PET	0.287002241	0.123759321	0.167388767
## Entropy_cooc.W.PET	0.879673591	0.608965417	0.553591402
## DAVE_cooc.W.PET	0.587278442	0.477928543	0.471770024
## DVAR_cooc.W.PET	0.326539626	0.229878003	0.264166967
## DENT_cooc.W.PET	0.856533861	0.658063494	0.617934630
## SAVE_cooc.W.PET	0.572208241	0.323555039	0.286963618
## SVAR_cooc.W.PET	0.256187519	0.061505413	0.111640495
## SENT_cooc.W.PET	0.897386608	0.638884853	0.587103643
## ASM_cooc.W.PET	0.295414589	0.323036389	0.333864639
## Contrast_cooc.W.PET	0.341611508	0.275276045	0.297923498
## Dissimilarity_cooc.W.PET	0.587278442	0.477928543	0.471770024
## Inv_diff_cooc.W.PET	0.698642310	0.525573515	0.428725844
## Inv_diff_norm_cooc.W.PET	0.969558039	0.687942237	0.609468119
## IDM_cooc.W.PET	0.560231145	0.416039811	0.324025449
## IDM_norm_cooc.W.PET	0.976935541	0.718262496	0.633864660
## Inv_var_cooc.W.PET	0.633122328	0.469050339	0.373951978
## Correlation_cooc.W.PET	0.645235470	0.129114501	0.037876327

## Autocorrelation_cooc.W.PET	0.303100778	0.079754735	0.070267299
## Tendency_cooc.W.PET	0.256187519	0.061505413	0.111640495
## Shade_cooc.W.PET	0.030624993	-0.087288688	0.027794582
## Prominence_cooc.W.PET	0.008317322	-0.110220251	-0.017875074
## IC1_d.W.PET	-0.141310636	0.145685815	0.241964066
## IC2_d.W.PET	0.817766435	0.458856129	0.380741935
## Coarseness_vdif.W.PET	0.345618258	0.564385887	0.581136353
## Contrast_vdif.W.PET	0.505618715	0.659978751	0.641984830
## Busyness_vdif.W.PET	0.261940713	0.110011947	-0.018216146
## Complexity_vdif.W.PET	0.169915975	-0.054144312	0.034511330
## Strength_vdif.W.PET	0.176945553	0.230283041	0.326284164
## SRE_align.W.PET	0.977679229	0.769370666	0.692357503
## LRE_align.W.PET	0.838964936	0.585414354	0.468638089
## GLNU_align.W.PET	0.263218793	-0.197258743	-0.187879383
## RLNU_align.W.PET	0.253784028	-0.155829154	-0.146439509
## RP_align.W.PET	0.974335706	0.773339725	0.699415891
## LGRE_align.W.PET	0.412154519	0.460288528	0.424595682
## HGRE_align.W.PET	0.305981267	0.083387995	0.077168599
## LGSRE_align.W.PET	0.447254506	0.501622500	0.467629153
## HGSRE_align.W.PET	0.301136374	0.084756854	0.080766908
## LGHRE_align.W.PET	0.261874203	0.276759789	0.237378829
## HGLRE_align.W.PET	0.325295059	0.075147871	0.059250223
## GLNU_norm_align.W.PET	0.429854972	0.467688566	0.424934733
## RLNU_norm_align.W.PET	0.959865468	0.771875213	0.707615443
## GLVAR_align.W.PET	0.291231050	0.101030973	0.136819802
## RLVAR_align.W.PET	0.321496626	0.134590401	0.045709290
## Entropy_align.W.PET	0.920404351	0.597959315	0.525158525
## SZSE.W.PET	0.929296530	0.747430515	0.694514936
## LZSE.W.PET	0.114826119	0.033333724	-0.046333316
## LGLZE.W.PET	0.445594827	0.467036759	0.416102679
## HGLZE.W.PET	0.306722783	0.085603735	0.086097952
## SZLGE.W.PET	0.519155490	0.538163926	0.496018314
## SZHGE.W.PET	0.291697339	0.088690746	0.096906441
## LZLGE.W.PET	-0.023278138	-0.027814157	-0.050624116
## LZHGE.W.PET	0.351628512	0.019983566	-0.055965125
## GLNU_area.W.PET	0.279123553	-0.166805168	-0.150988781
## ZSNU.W.PET	0.245466574	-0.130060887	-0.119542657
## ZSP.W.PET	0.869144364	0.712778462	0.682338950
## GLNU_norm.W.PET	0.455221900	0.484442859	0.428570243
## ZSNU_norm.W.PET	0.862174613	0.709351074	0.680520350
## GLVAR_area.W.PET	0.292838878	0.098436727	0.137343362
## ZSVAR.W.PET	0.029875722	-0.030325483	-0.094945358
## Entropy_area.W.PET	0.952772902	0.608486802	0.521699658
## Min_hist.ADC	0.305481131	0.385737188	0.378671643
## Max_hist.ADC	0.851646500	0.571393990	0.505950624
## Mean_hist.ADC	0.820187532	0.672302848	0.629103847
## Variance_hist.ADC	0.413782071	0.197915219	0.159290550
## Standard_Deviation_hist.ADC	0.691555697	0.446150495	0.373805875
## Skewness_hist.ADC	0.256477608	0.098012981	0.035570462
## Kurtosis_hist.ADC	0.276652126	0.141995627	0.172641415
## Energy_hist.ADC	0.379231475	0.385796373	0.418353508
## Entropy_hist.ADC	0.940817514	0.639101241	0.549473333
## AUC_hist.ADC	0.963588711	0.723931850	0.633101994
## Volume.ADC	0.335086594	-0.039393016	-0.100054491

## X3D_surface.ADC	0.437890591	0.102702637	0.034890656
## ratio_3ds_vol.ADC	0.602190962	0.679221506	0.624985589
## ratio_3ds_vol_norm.ADC	0.916862958	0.655055227	0.567615548
## irregularity.ADC	0.939254317	0.796312982	0.708578347
## Compactness_v1.ADC	0.631478939	0.569676904	0.566885492
##	DENT_cooc.L.PET	SAVE_cooc.L.PET	SVAR_cooc.L.PET
## Failure	0.033765716	0.0826156715	0.1114961637
## Entropy_cooc.W.ADC	-0.033897195	-0.0510299431	-0.1187634176
## GLNU_align.H.PET	-0.115453927	-0.1494372577	-0.2017104419
## Min_hist.PET	0.533875969	0.4420827738	0.2675315731
## Max_hist.PET	0.478309511	0.3306216743	0.1000900657
## Mean_hist.PET	0.521075197	0.4546928838	0.2265228391
## Variance_hist.PET	0.235206814	0.1867251819	0.0488122760
## Standard_Deviation_hist.PET	0.509944737	0.4120154923	0.2152812243
## Skewness_hist.PET	0.451561460	0.0569803064	0.2028598542
## Kurtosis_hist.PET	0.017373755	-0.2743200643	-0.2541048850
## Energy_hist.PET	0.431995472	0.3831654948	0.3602629948
## Entropy_hist.PET	0.790090002	0.6070830149	0.3865137725
## AUC_hist.PET	0.958375967	0.7874399287	0.6361971607
## H_suv.PET	0.581953795	0.5100714354	0.3042535504
## Volume.PET	0.224918753	0.0851633547	-0.1629224084
## X3D_surface.PET	0.107777561	0.0329738761	-0.0976408280
## ratio_3ds_vol.PET	0.601748624	0.4928851969	0.6065382699
## ratio_3ds_vol_norm.PET	0.501032906	0.3599927355	0.3740042861
## irregularity.PET	0.962709397	0.8053671755	0.7193855273
## tumor_length.PET	0.469667659	0.3294007881	0.1433596998
## Compactness_v1.PET	0.507302960	0.4224959990	0.2878486467
## Compactness_v2.PET	0.213553792	0.1622328804	-0.0215614813
## Spherical_disproportion.PET	0.501032906	0.3599927355	0.3740042861
## Sphericity.PET	0.224889027	0.1633420587	-0.0121370520
## Asphericity.PET	0.478532558	0.3401131927	0.3594522183
## Center_of_mass.PET	0.261836608	0.1303713022	0.1294288068
## Max_3D_diam.PET	0.344361203	0.2013060874	-0.0552582514
## Major_axis_length.PET	0.390330465	0.2568255897	0.0008067448
## Minor_axis_length.PET	0.520065216	0.3415198914	0.0995480629
## Least_axis_length.PET	0.425225595	0.2944579998	0.0566212023
## Elongation.PET	0.836687099	0.7136883710	0.6050504344
## Flatness.PET	0.764629586	0.6859262804	0.5731789591
## Max_cooc.L.PET	0.427405442	0.3472060879	0.3008217316
## Average_cooc.L.PET	0.890447764	0.9999993278	0.8404960632
## Variance_cooc.L.PET	0.790187425	0.8484703812	0.9677775939
## Entropy_cooc.L.PET	0.970142724	0.8538831779	0.6799571023
## DAVE_cooc.L.PET	0.886025073	0.8807608744	0.8607518413
## DVAR_cooc.L.PET	0.774333016	0.7122373709	0.7153713065
## DENT_cooc.L.PET	1.000000000	0.8903364372	0.7723373534
## SAVE_cooc.L.PET	0.890336437	1.0000000000	0.8404955182
## SVAR_cooc.L.PET	0.772337353	0.8404955182	1.0000000000
## SENT_cooc.L.PET	0.971977366	0.8617706379	0.7498876403
## ASM_cooc.L.PET	0.400891421	0.3363332203	0.2838467510
## Contrast_cooc.L.PET	0.712116804	0.7468927190	0.7863266485
## Dissimilarity_cooc.L.PET	0.886025073	0.8807608744	0.8607518413
## Inv_diff_cooc.L.PET	0.708417572	0.4683028004	0.2731708410
## Inv_diff_norm_cooc.L.PET	0.940226975	0.7632873689	0.5922296419
## IDM_cooc.L.PET	0.599797818	0.3519719035	0.1661952181

## IDM_norm_cooc.L.PET	0.954750673	0.7871792354	0.6219444358
## Inv_var_cooc.L.PET	0.604658938	0.3564677726	0.1720446669
## Correlation_cooc.L.PET	0.513601246	0.3989736899	0.3566501678
## Autocorrelation_cooc.L.PET	0.713099926	0.9466890968	0.8390404272
## Tendency_cooc.L.PET	0.772337353	0.8404955182	1.0000000000
## Shade_cooc.L.PET	0.350389589	0.1207577015	0.5152741888
## Prominence_cooc.L.PET	0.583164052	0.6257745281	0.9382549936
## IC1_.L.PET	-0.450585780	-0.4957333569	-0.6833276456
## IC2_.L.PET	0.919188587	0.8306278697	0.8191163391
## Coarseness_vdif_.L.PET	0.494158982	0.4838255430	0.4979587377
## Contrast_vdif_.L.PET	0.344748979	0.3671967932	0.4381363539
## Busyness_vdif_.L.PET	0.184585416	-0.0011565660	-0.1714001525
## Complexity_vdif_.L.PET	0.830293405	0.7506279964	0.7488556688
## Strength_vdif_.L.PET	0.374522475	0.3082450516	0.5263702260
## SRE_align.L.PET	0.975976730	0.8226227140	0.6710755210
## LRE_align.L.PET	0.938023440	0.7620210337	0.5891270761
## GLNU_align.L.PET	0.102595754	-0.0533527774	-0.2502679775
## RLNU_align.L.PET	0.110572396	0.0227629461	-0.1950350231
## RP_align.L.PET	0.977763881	0.8260602034	0.6759008515
## LGRE_align.L.PET	0.555493879	0.2435084889	0.3157453419
## HGRE_align.L.PET	0.739387026	0.9556319368	0.8226215941
## LGSRE_align.L.PET	0.563220426	0.2551965265	0.3264262184
## HGSRE_align.L.PET	0.739869768	0.9544386942	0.8259758999
## LGHRE_align.L.PET	0.521084799	0.1951373502	0.2694437991
## HGLRE_align.L.PET	0.735064248	0.9572041534	0.8058752154
## GLNU_norm_align.L.PET	0.606603089	0.4113202962	0.3566807129
## RLNU_norm_align.L.PET	0.983114543	0.8371588748	0.6919491066
## GLVAR_align.L.PET	0.810797309	0.9052451135	0.9619583857
## RLVAR_align.L.PET	0.499422304	0.3207272324	0.1548023008
## Entropy_align.L.PET	0.969821138	0.8618330194	0.6821832817
## SZSE.L.PET	0.964597187	0.8208884908	0.6808100192
## LZSE.L.PET	0.602222750	0.4452279345	0.2834051053
## LGLZE.L.PET	0.567373356	0.2610749744	0.3220884517
## HGLZE.L.PET	0.750024151	0.9584841935	0.8280647250
## SZLGE.L.PET	0.587019891	0.2978608749	0.3523505350
## SZHGE.L.PET	0.749593946	0.9459311174	0.8293855422
## LZLGE.L.PET	0.393821140	0.0603352736	0.1278785937
## LZHGE.L.PET	0.587405662	0.7911895081	0.6315420466
## GLNU_area.L.PET	0.109384017	-0.0407660733	-0.2388838463
## ZSNU.L.PET	0.119979699	0.0401800453	-0.1791574239
## ZSP.L.PET	0.979005706	0.8405526195	0.7041744511
## GLNU_norm.L.PET	0.606975984	0.4137140325	0.3560979717
## ZSNU_norm.L.PET	0.989714974	0.8600146858	0.7248676679
## GLVAR_area.L.PET	0.820335081	0.9092117776	0.9586129579
## ZSVAR.L.PET	0.278285907	0.0960586317	-0.0766236725
## Entropy_area.L.PET	0.959561363	0.8404289656	0.6552999650
## Max_cooc.H.PET	0.298332468	0.2239921010	0.3732503620
## Average_cooc.H.PET	0.955445437	0.7983940606	0.7061019720
## Variance_cooc.H.PET	0.831788896	0.7708582806	0.4667136282
## Entropy_cooc.H.PET	0.822143292	0.6610714845	0.5218942374
## DAVE_cooc.H.PET	0.908766270	0.8089862796	0.5631040616
## DVAR_cooc.H.PET	0.886115648	0.8308738661	0.5379509979
## DENT_cooc.H.PET	0.736017058	0.5664585023	0.3833397370
## SAVE_cooc.H.PET	0.956777036	0.8006527665	0.6825770991

## SVAR_cooc.H.PET	0.778364436	0.6866409699	0.4214628706
## SENT_cooc.H.PET	0.673779187	0.5870580809	0.4613360127
## ASM_cooc.H.PET	0.278849034	0.2342329214	0.3346887046
## Contrast_cooc.H.PET	0.836975489	0.7796582416	0.4987365171
## Dissimilarity_cooc.H.PET	0.908766270	0.8089862796	0.5631040616
## Inv_diff_cooc.H.PET	0.617703173	0.5051079673	0.5270331019
## Inv_diff_norm_cooc.H.PET	0.956951365	0.7932883171	0.6570578832
## IDM_cooc.H.PET	0.516697140	0.4230783829	0.4726159933
## IDM_norm_cooc.H.PET	0.963222084	0.8001938517	0.6563564124
## Inv_var_cooc_.H.PET	0.526015604	0.3785080028	0.2954084009
## Correlation_cooc.H.PET	0.522368963	0.4207147543	0.3427833067
## Autocorrelation_cooc.H.PET	0.897583393	0.7509001115	0.7113176031
## Tendency_cooc.H.PET	0.754602526	0.6971728329	0.4076687133
## Shade_cooc.H.PET	-0.380982604	-0.5199233345	-0.1407133117
## Prominence_cooc.H.PET	0.531546568	0.5393466980	0.1939101209
## IC1_d.H.PET	-0.006754174	0.0008465405	-0.0933369411
## IC2_d.H.PET	0.658170090	0.5238742561	0.4395462206
## Coarseness_vdif.H.PET	0.407878467	0.3533158025	0.3168492946
## Contrast_vdif.H.PET	0.336438315	0.4664498466	0.4484149517
## Busyness_vdif.H.PET	0.084852975	-0.0224380835	-0.1259245028
## Complexity_vdif.H.PET	0.700675906	0.6705421317	0.5516481692
## Strength_vdif.H.PET	0.047590964	0.0119067596	0.1106566307
## SRE_align.H.PET	0.958247029	0.7994105070	0.6177118090
## LRE_align.H.PET	0.582794172	0.4900499555	0.4851649602
## RLNU_align.H.PET	0.120984901	0.0382323177	-0.1849113366
## RP_align.H.PET	0.952085505	0.7978006335	0.6137857659
## LGRE_align.H.PET	0.419783456	0.3728948271	0.2885245879
## HGRE_align.H.PET	0.901229839	0.7405211323	0.6793800552
## LGSRE_align.H.PET	0.417899257	0.3710392371	0.2878906835
## HGSRE_align.H.PET	0.959246158	0.7716674280	0.6795245232
## LGHRE_align.H.PET	0.428858547	0.3817061757	0.2921360245
## HGLRE_align.H.PET	0.394308227	0.3548658282	0.3965533952
## GLNU_norm_align.H.PET	0.508386223	0.4124234147	0.5274257308
## RLNU_norm_align.H.PET	0.912427867	0.7650214896	0.5704612046
## GLVAR_align.H.PET	0.790100737	0.7435653853	0.4100433914
## RLVAR_align.H.PET	0.215335890	0.1796416597	0.2447898115
## Entropy_align.H.PET	0.847119631	0.7086793565	0.4641047722
## SZSE.H.PET	0.844207832	0.6753693854	0.4794642253
## LZSE.H.PET	-0.080441448	-0.0645577574	0.0461119984
## LGLZE.H.PET	0.420213047	0.3762452790	0.2877166509
## HGLZE.H.PET	0.830664221	0.5961433464	0.5780518954
## SZLGE.H.PET	0.415074770	0.3691254630	0.2862231747
## SZHGE.H.PET	0.826350501	0.5714086295	0.4984999036
## LZLGE.H.PET	-0.032893087	-0.0059227942	0.0802777475
## LZHGE.H.PET	-0.069974427	-0.0381352000	0.0642835815
## GLNU_area.H.PET	0.148077437	0.0244367250	-0.1866427471
## ZSNU.H.PET	0.113404488	0.0501841801	-0.1650317650
## ZSP.H.PET	0.692099126	0.5627347679	0.3674158017
## GLNU_norm.H.PET	0.525752490	0.4773639785	0.5818945686
## ZSNU_norm.H.PET	0.728013897	0.5748198930	0.3840779194
## GLVAR_area.H.PET	0.766489497	0.7121225457	0.3697360409
## ZSVAR_H.PET	-0.078965802	-0.0520020584	0.0493416178
## Entropy_area.H.PET	0.885057925	0.7277505063	0.4924062412
## Max_cooc.W.PET	0.333366031	0.2611773452	0.3500467891

## Average_cooc.W.PET	0.501909535	0.4730014342	0.1921769073
## Variance_cooc.W.PET	0.241874825	0.1786149455	0.0796379160
## Entropy_cooc.W.PET	0.829622414	0.6877854673	0.4517004877
## DAVE_cooc.W.PET	0.572646239	0.4794685414	0.2918588518
## DVAR_cooc.W.PET	0.305434695	0.2395963989	0.1088684020
## DENT_cooc.W.PET	0.834964220	0.6802241816	0.4730174230
## SAVE_cooc.W.PET	0.501219488	0.4724162337	0.1916382380
## SVAR_cooc.W.PET	0.200392385	0.1358606061	0.0554823880
## SENT_cooc.W.PET	0.860782607	0.7107297172	0.5223725539
## ASM_cooc.W.PET	0.357961520	0.3049658192	0.3427140880
## Contrast_cooc.W.PET	0.328396437	0.2741849150	0.1354160100
## Dissimilarity_cooc.W.PET	0.572646239	0.4794685414	0.2918588518
## Inv_diff_cooc.W.PET	0.704891102	0.5965334845	0.5747422116
## Inv_diff_norm_cooc.W.PET	0.941184606	0.7652642526	0.5959721152
## IDM_cooc.W.PET	0.570838292	0.4881980134	0.5070663566
## IDM_norm_cooc.W.PET	0.955273165	0.7880719743	0.6231023061
## Inv_var_cooc.W.PET	0.637960746	0.5497461466	0.5409259367
## Correlation_cooc.W.PET	0.512044461	0.3954517293	0.3491913460
## Autocorrelation_cooc.W.PET	0.227196645	0.2403908043	0.0045414050
## Tendency_cooc.W.PET	0.200392385	0.1358606061	0.0554823880
## Shade_cooc.W.PET	0.001149363	-0.0889256316	-0.0129639572
## Prominence_cooc.W.PET	-0.028949245	-0.0725655239	-0.0542756900
## IC1_d.W.PET	-0.054806316	-0.0428848757	-0.1624043079
## IC2_d.W.PET	0.758157838	0.6165630771	0.5396788306
## Coarseness_vdif.W.PET	0.479366672	0.4884874178	0.5113317440
## Contrast_vdif.W.PET	0.580113148	0.5550035941	0.4869965257
## Busyness_vdif.W.PET	0.210952444	0.1685664127	0.3048954210
## Complexity_vdif.W.PET	0.104463721	0.0257488164	-0.1032570094
## Strength_vdif.W.PET	0.252114933	0.0948809365	0.2451018721
## SRE_align.W.PET	0.970513865	0.8103406237	0.6419699679
## LRE_align.W.PET	0.814998675	0.6893133130	0.6124122872
## GLNU_align.W.PET	0.116019210	-0.0295338697	-0.2007129867
## RLNU_align.W.PET	0.114611335	0.0266317138	-0.1930538220
## RP_align.W.PET	0.969078516	0.8099932431	0.6385179065
## LGRE_align.W.PET	0.495261408	0.3266566872	0.5210266112
## HGRE_align.W.PET	0.230218586	0.2353905725	-0.0078489348
## LGSRE_align.W.PET	0.534170833	0.3587295625	0.5468496901
## HGSRE_align.W.PET	0.227665293	0.2310138496	-0.0074212533
## LGHRE_align.W.PET	0.321202601	0.1891656776	0.3955468521
## HGLRE_align.W.PET	0.239314620	0.2523700883	-0.0106819893
## GLNU_norm_align.W.PET	0.507917327	0.4090618678	0.5152216794
## RLNU_norm_align.W.PET	0.956143347	0.7973936324	0.6172426093
## GLVAR_align.W.PET	0.234038278	0.1846651380	0.0451167916
## RLVAR_align.W.PET	0.291793011	0.2516043959	0.3049938019
## Entropy_align.W.PET	0.856314545	0.7165570263	0.4708109405
## SZSE.W.PET	0.928261027	0.7632242640	0.5813521712
## LZSE.W.PET	0.102186217	0.1257066326	0.2243370550
## LGLZE.W.PET	0.516107639	0.3616134338	0.5291358162
## HGLZE.W.PET	0.233229164	0.2291694747	-0.0047543749
## SZLGE.W.PET	0.592784239	0.4169214938	0.5512157720
## SZHGE.W.PET	0.225553006	0.2150080003	-0.0019487423
## LZLGE.W.PET	-0.010948236	-0.0283173055	0.1329533666
## LZHGE.W.PET	0.233952520	0.2960558632	0.0146053541
## GLNU_area.W.PET	0.135364196	-0.0036600157	-0.1959407631

## ZSNU.W.PET	0.116912957	0.0392538354	-0.1783749675
## ZSP.W.PET	0.868781577	0.7108180321	0.5090906059
## GLNU_norm.W.PET	0.527742565	0.4521898057	0.5454411735
## ZSNU_norm.W.PET	0.865482950	0.7016976856	0.5022616359
## GLVAR_area.W.PET	0.235400388	0.1807062129	0.0394695806
## ZSVAR.W.PET	0.017947045	0.0523195540	0.1556173151
## Entropy_area.W.PET	0.884688032	0.7353690042	0.5052716207
## Min_hist.ADC	0.370074722	0.4063996908	0.4136992086
## Max_hist.ADC	0.820305836	0.6164406723	0.4386685729
## Mean_hist.ADC	0.844809654	0.6675095331	0.5554855144
## Variance_hist.ADC	0.379313339	0.2179261569	0.1107991400
## Standard_Deviation_hist.ADC	0.663362006	0.4789297537	0.3358372431
## Skewness_hist.ADC	0.202082384	0.2224053852	0.1371234898
## Kurtosis_hist.ADC	0.249186571	0.1603288840	0.1570206130
## Energy_hist.ADC	0.425045682	0.3772385659	0.3324674124
## Entropy_hist.ADC	0.897159525	0.7179864374	0.5304054174
## AUC_hist.ADC	0.942707951	0.7984752974	0.6165550846
## Volume.ADC	0.219637379	0.0829567227	-0.1552363979
## X3D_surface.ADC	0.343231293	0.1925512559	0.0088171067
## ratio_3ds_vol.ADC	0.685303084	0.6413236789	0.6265344726
## ratio_3ds_vol_norm.ADC	0.892763749	0.6990098732	0.5279682942
## irregularity.ADC	0.954046123	0.8313632401	0.6906123039
## Compactness_v1.ADC	0.664149741	0.5881880948	0.5044884875
##	SENT_cooc.L.PET	ASM_cooc.L.PET	Contrast_cooc.L.PET
## Failure	0.032058096	0.0482256479	1.254904e-01
## Entropy_cooc.W.ADC	0.027359140	-0.0190941005	-1.971707e-01
## GLNU_align.H.PET	-0.050308579	0.0538165190	-2.602121e-01
## Min_hist.PET	0.495175971	0.1025477514	3.104089e-01
## Max_hist.PET	0.474602686	0.1228061828	9.923736e-02
## Mean_hist.PET	0.490193645	0.0977855205	2.552488e-01
## Variance_hist.PET	0.231445422	0.0338398193	2.866523e-02
## Standard_Deviation_hist.PET	0.498200568	0.1392564753	2.006104e-01
## Skewness_hist.PET	0.470307870	0.3131865176	1.481155e-01
## Kurtosis_hist.PET	0.050472706	0.1758256903	-2.181187e-01
## Energy_hist.PET	0.499759198	0.9835217875	4.115728e-01
## Entropy_hist.PET	0.817513311	0.2745937446	2.460027e-01
## AUC_hist.PET	0.970955894	0.4866267608	5.291929e-01
## H_suv.PET	0.550029492	0.2379649052	3.941613e-01
## Volume.PET	0.219587161	-0.1569490223	-2.155984e-01
## X3D_surface.PET	0.194831820	0.1075388756	-2.368464e-01
## ratio_3ds_vol.PET	0.664957928	0.6390875055	6.017535e-01
## ratio_3ds_vol_norm.PET	0.643687719	0.6374621140	1.914080e-01
## irregularity.PET	0.956548704	0.4530667851	6.364628e-01
## tumor_length.PET	0.560383479	0.3195583250	-6.901959e-02
## Compactness_v1.PET	0.530664449	0.9144210313	3.030325e-01
## Compactness_v2.PET	0.064688152	-0.2682743945	-1.040739e-02
## Spherical_disproportion.PET	0.643687719	0.6374621140	1.914080e-01
## Sphericity.PET	0.070905615	-0.4146127115	8.585278e-03
## Asphericity.PET	0.623715823	0.6360181437	1.772377e-01
## Center_of_mass.PET	0.345108344	0.1664525336	-1.320196e-01
## Max_3D_diam.PET	0.333520222	-0.1659279024	-1.913074e-01
## Major_axis_length.PET	0.406529555	-0.0305041307	-1.469559e-01
## Minor_axis_length.PET	0.570298218	0.1382319210	-8.288599e-02
## Least_axis_length.PET	0.467083442	0.0155137012	-1.458894e-01

## Elongation.PET	0.862417334	0.4864001007	5.435873e-01
## Flatness.PET	0.790590526	0.3809523330	4.577500e-01
## Max_cooc.L.PET	0.509626265	0.9959491469	3.063909e-01
## Average_cooc.L.PET	0.861997178	0.3374240378	7.469393e-01
## Variance_cooc.L.PET	0.734772311	0.3031641407	9.165581e-01
## Entropy_cooc.L.PET	0.964316020	0.3598146974	5.425308e-01
## DAVE_cooc.L.PET	0.808673944	0.3479328636	9.518343e-01
## DVAR_cooc.L.PET	0.699234521	0.3946644083	8.832431e-01
## DENT_cooc.L.PET	0.971977366	0.4008914205	7.121168e-01
## SAVE_cooc.L.PET	0.861770638	0.3363332203	7.468927e-01
## SVAR_cooc.L.PET	0.749887640	0.2838467510	7.863266e-01
## SENT_cooc.L.PET	1.000000000	0.4848926359	6.117754e-01
## ASM_cooc.L.PET	0.484892636	1.0000000000	2.927498e-01
## Contrast_cooc.L.PET	0.611775448	0.2927497767	1.000000e+00
## Dissimilarity_cooc.L.PET	0.808673944	0.3479328636	9.518343e-01
## Inv_diff_cooc.L.PET	0.785500948	0.5383876732	1.127817e-01
## Inv_diff_norm_cooc.L.PET	0.959253271	0.4453164084	4.577407e-01
## IDM_cooc.L.PET	0.694006388	0.5965518564	2.199448e-02
## IDM_norm_cooc.L.PET	0.968152109	0.4427275015	4.937678e-01
## Inv_var_cooc.L.PET	0.698439183	0.5933345764	2.024539e-02
## Correlation_cooc.L.PET	0.639353490	0.2987056476	-1.287705e-01
## Autocorrelation_cooc.L.PET	0.690613481	0.2766120746	7.079213e-01
## Tendency_cooc.L.PET	0.749887640	0.2838467510	7.863266e-01
## Shade_cooc.L.PET	0.356233179	0.1078649035	2.559436e-01
## Prominence_cooc.L.PET	0.568539307	0.2240438692	6.916273e-01
## IC1_.L.PET	-0.417275339	0.0592345362	-6.146007e-01
## IC2_.L.PET	0.935397410	0.5101443814	6.886588e-01
## Coarseness_vdif_.L.PET	0.551673738	0.9195339324	5.091899e-01
## Contrast_vdif_.L.PET	0.273141591	0.2216148012	7.559182e-01
## Busyness_vdif_.L.PET	0.213090778	-0.0418503207	-2.535777e-01
## Complexity_vdif_.L.PET	0.760497321	0.4192655780	9.433955e-01
## Strength_vdif_.L.PET	0.350028997	0.3082320146	6.158400e-01
## SRE_align.L.PET	0.978620772	0.4491362754	5.659295e-01
## LRE_align.L.PET	0.956455187	0.4320429517	4.639133e-01
## GLNU_align.L.PET	0.162435294	-0.0292557603	-3.470983e-01
## RLNU_align.L.PET	0.156607577	-0.0913392254	-3.058922e-01
## RP_align.L.PET	0.979526148	0.4492217717	5.719813e-01
## LGRE_align.L.PET	0.602017822	0.6723425538	3.054886e-01
## HGRE_align.L.PET	0.705459708	0.2899585006	7.556263e-01
## LGSRE_align.L.PET	0.609267501	0.6824546732	3.175706e-01
## HGSRE_align.L.PET	0.704381956	0.2914364242	7.635407e-01
## LGHRE_align.L.PET	0.569919708	0.6305742693	2.537446e-01
## HGLRE_align.L.PET	0.707661167	0.2827755840	7.209711e-01
## GLNU_norm_align.L.PET	0.675651259	0.9062547492	3.543979e-01
## RLNU_norm_align.L.PET	0.981857741	0.4503229914	5.927890e-01
## GLVAR_align.L.PET	0.760864930	0.3071294451	8.952076e-01
## RLVAR_align.L.PET	0.613278247	0.8258928228	5.369841e-02
## Entropy_align.L.PET	0.970045034	0.3746115591	5.404757e-01
## SZSE.L.PET	0.958763897	0.4543462415	5.895215e-01
## LZSE.L.PET	0.653530259	0.2715005403	1.602651e-01
## LGLZE.L.PET	0.615076770	0.6848720693	3.180869e-01
## HGLZE.L.PET	0.714253019	0.2924782371	7.677070e-01
## SZLGE.L.PET	0.631186055	0.7151868607	3.596561e-01
## SZHGE.L.PET	0.706777634	0.3005250084	7.885733e-01

## LZLGE.L.PET	0.453547198	0.4936967102	8.826324e-02
## LZHGE.L.PET	0.589585939	0.2031517981	5.138200e-01
## GLNU_area.L.PET	0.165061436	-0.0370721144	-3.363614e-01
## ZSNU.L.PET	0.158325605	-0.1022288580	-2.867526e-01
## ZSP.L.PET	0.969373518	0.4513527000	6.155363e-01
## GLNU_norm.L.PET	0.676528119	0.9097131260	3.535081e-01
## ZSNU_norm.L.PET	0.977148930	0.4520280754	6.451357e-01
## GLVAR_area.L.PET	0.770597282	0.3151651697	8.993843e-01
## ZSVAR.L.PET	0.385693582	0.3424419235	-1.879567e-01
## Entropy_area.L.PET	0.965273487	0.3727482505	5.067221e-01
## Max_cooc.H.PET	0.339077218	0.4077974855	2.189978e-01
## Average_cooc.H.PET	0.958529032	0.4208397295	5.700171e-01
## Variance_cooc.H.PET	0.830062789	0.3062833576	4.304865e-01
## Entropy_cooc.H.PET	0.787386319	0.2630515310	4.844107e-01
## DAVE_cooc.H.PET	0.857999294	0.3417018822	6.677143e-01
## DVAR_cooc.H.PET	0.837483290	0.3522489938	6.399926e-01
## DENT_cooc.H.PET	0.720440667	0.1956975313	3.294088e-01
## SAVE_cooc.H.PET	0.960394585	0.4002670621	5.400399e-01
## SVAR_cooc.H.PET	0.821857163	0.3154972578	2.623837e-01
## SENT_cooc.H.PET	0.757533731	0.5875296636	4.231523e-01
## ASM_cooc.H.PET	0.330889009	0.4989713398	2.006311e-01
## Contrast_cooc.H.PET	0.769001438	0.3113247783	6.827299e-01
## Dissimilarity_cooc.H.PET	0.857999294	0.3417018822	6.677143e-01
## Inv_diff_cooc.H.PET	0.681798799	0.4594767252	2.671340e-01
## Inv_diff_norm_cooc.H.PET	0.972909997	0.4569555750	5.119163e-01
## IDM_cooc.H.PET	0.584098547	0.4340102057	2.165224e-01
## IDM_norm_cooc.H.PET	0.974781838	0.4491969747	5.252141e-01
## Inv_var_cooc.H.PET	0.607972703	0.8883373670	2.454071e-01
## Correlation_cooc.H.PET	0.645378200	0.2994327015	-1.159224e-01
## Autocorrelation_cooc.H.PET	0.909991202	0.4198487379	5.357067e-01
## Tendency_cooc.H.PET	0.788803546	0.2760387981	2.557192e-01
## Shade_cooc.H.PET	-0.409632235	-0.1606037468	-1.142101e-01
## Prominence_cooc.H.PET	0.568386725	0.1629449197	8.143845e-02
## IC1_d.H.PET	-0.096382771	0.3818921957	3.678504e-01
## IC2_d.H.PET	0.760267654	0.3514208661	5.622704e-02
## Coarseness_vdif.H.PET	0.485826494	0.9953387309	3.348876e-01
## Contrast_vdif.H.PET	0.342263527	0.2631768457	3.902472e-01
## Busyness_vdif.H.PET	0.015765910	-0.4008639752	-1.413179e-01
## Complexity_vdif.H.PET	0.754811053	0.6650815659	6.502480e-01
## Strength_vdif.H.PET	0.036309533	0.1186772187	1.504543e-01
## SRE_align.H.PET	0.944909375	0.4254321724	5.800413e-01
## LRE_align.H.PET	0.643012043	0.3089762840	2.022305e-01
## RLNU_align.H.PET	0.155008691	-0.0799704203	-2.703130e-01
## RP_align.H.PET	0.933871126	0.4204141611	5.933283e-01
## LGRE_align.H.PET	0.501870322	0.9934197725	2.939315e-01
## HGRE_align.H.PET	0.906870360	0.4155327339	5.397887e-01
## LGSRE_align.H.PET	0.499677221	0.9936462319	2.945412e-01
## HGSRE_align.H.PET	0.941104997	0.4146435132	6.220447e-01
## LGHRE_align.H.PET	0.513934654	0.9923695949	2.870398e-01
## HGLRE_align.H.PET	0.456310390	0.2388312926	1.182453e-01
## GLNU_norm_align.H.PET	0.539493419	0.4497957388	3.770657e-01
## RLNU_norm_align.H.PET	0.882867199	0.3931413057	5.968013e-01
## GLVAR_align.H.PET	0.791636176	0.2831555798	3.702826e-01
## RLVAR_align.H.PET	0.303331323	0.2077673601	-6.248835e-02

## Entropy_align.H.PET	0.857493877	0.3021540785	3.474245e-01
## SZSE.H.PET	0.817708333	0.3646919130	5.069762e-01
## LZSE.H.PET	-0.037468543	-0.0642970676	-1.227643e-01
## LGLZE.H.PET	0.502593912	0.9915308136	2.923696e-01
## HGLZE.H.PET	0.839848446	0.3530714579	4.148224e-01
## SZLGE.H.PET	0.496689876	0.9924962162	2.936961e-01
## SZHGE.H.PET	0.783354655	0.3212111459	5.526172e-01
## LZLGE.H.PET	0.034841494	0.0707634355	-1.206406e-01
## LZHGE.H.PET	-0.024893711	-0.0226245253	-1.163032e-01
## GLNU_area.H.PET	0.181813620	-0.0934911737	-2.724713e-01
## ZSNU.H.PET	0.127867621	-0.0882379439	-2.218155e-01
## ZSP.H.PET	0.636236133	0.2533411408	4.854074e-01
## GLNU_norm.H.PET	0.565875283	0.4521887128	3.900010e-01
## ZSNU_norm.H.PET	0.690541282	0.2989512271	4.648695e-01
## GLVAR_area.H.PET	0.768534742	0.2718910243	3.419204e-01
## ZSVAR_H.PET	-0.032328530	-0.0410198675	-1.283487e-01
## Entropy_area.H.PET	0.902486919	0.3439624003	3.565500e-01
## Max_cooc.W.PET	0.385606224	0.6336153056	2.690077e-01
## Average_cooc.W.PET	0.485687477	0.1095388932	1.871871e-01
## Variance_cooc.W.PET	0.237365396	0.0433423876	5.588367e-02
## Entropy_cooc.W.PET	0.814361155	0.2735092101	4.149786e-01
## DAVE_cooc.W.PET	0.523480729	0.1432608397	3.813413e-01
## DVAR_cooc.W.PET	0.268035138	0.0398370003	1.763889e-01
## DENT_cooc.W.PET	0.803979162	0.2886583527	4.906833e-01
## SAVE_cooc.W.PET	0.484821398	0.1075112574	1.866350e-01
## SVAR_cooc.W.PET	0.211981687	0.0436623725	-1.141949e-02
## SENT_cooc.W.PET	0.886085585	0.4002523690	4.418605e-01
## ASM_cooc.W.PET	0.429820205	0.8094049126	2.712110e-01
## Contrast_cooc.W.PET	0.282031895	0.0373735174	2.267508e-01
## Dissimilarity_cooc.W.PET	0.523480729	0.1432608397	3.813413e-01
## Inv_diff_cooc.W.PET	0.758635818	0.4755401538	3.477270e-01
## Inv_diff_norm_cooc.W.PET	0.960267319	0.4472981909	4.612600e-01
## IDM_cooc.W.PET	0.633703901	0.4448376002	2.623254e-01
## IDM_norm_cooc.W.PET	0.968490891	0.4437128285	4.962109e-01
## Inv_var_cooc.W.PET	0.700608038	0.4776870724	3.016571e-01
## Correlation_cooc.W.PET	0.637718311	0.2966952008	-1.343028e-01
## Autocorrelation_cooc.W.PET	0.220494480	0.0012519254	-9.878458e-03
## Tendency_cooc.W.PET	0.211981687	0.0436623725	-1.141949e-02
## Shade_cooc.W.PET	0.036901763	0.0491991525	-1.059865e-01
## Prominence_cooc.W.PET	0.002535584	0.0205441633	-1.260359e-01
## IC1_d.W.PET	-0.121000050	0.4466110663	2.637284e-01
## IC2_d.W.PET	0.838794212	0.4086344950	2.290376e-01
## Coarseness_vdif.W.PET	0.520031193	0.8478734041	5.696650e-01
## Contrast_vdif.W.PET	0.517888280	0.2677147031	6.474717e-01
## Busyness_vdif.W.PET	0.234146522	-0.0921810072	-2.573685e-04
## Complexity_vdif.W.PET	0.120262862	0.0328560661	-1.177166e-01
## Strength_vdif.W.PET	0.261987131	0.2032718608	2.209854e-01
## SRE_align.W.PET	0.967079169	0.4388979573	5.662898e-01
## LRE_align.W.PET	0.860493621	0.4028329583	3.701800e-01
## GLNU_align.W.PET	0.180624731	-0.0853452561	-3.518290e-01
## RLNU_align.W.PET	0.155715889	-0.0808483533	-2.901989e-01
## RP_align.W.PET	0.962645370	0.4358685762	5.739010e-01
## LGRE_align.W.PET	0.518167104	0.4313770478	3.898233e-01
## HGRE_align.W.PET	0.219297711	-0.0059998865	-5.107758e-03

## LGSRE_align.W.PET	0.554354151	0.4618397897	4.294920e-01
## HGSRE_align.W.PET	0.215418173	-0.0073136072	-1.194372e-03
## LGHRE_align.W.PET	0.354793700	0.2947927747	2.156520e-01
## HGLRE_align.W.PET	0.234812613	-0.0009289104	-2.426928e-02
## GLNU_norm_align.W.PET	0.545265153	0.5515787864	3.890623e-01
## RLNU_norm_align.W.PET	0.942240378	0.4222342504	5.822677e-01
## GLVAR_align.W.PET	0.230308092	0.0317667349	2.566051e-02
## RLVAR_align.W.PET	0.384363693	0.3497471785	6.267982e-03
## Entropy_align.W.PET	0.859202535	0.3030528420	3.786035e-01
## SZSE.W.PET	0.908383671	0.4207156840	5.664790e-01
## LZSE.W.PET	0.163991227	0.0963148469	-3.365821e-02
## LGLZE.W.PET	0.547982593	0.4539562584	3.808475e-01
## HGLZE.W.PET	0.222147177	-0.0041007310	-2.125013e-03
## SZLGE.W.PET	0.620091320	0.5384831105	4.461657e-01
## SZHGE.W.PET	0.210262259	-0.0066953434	8.152846e-03
## LZLGE.W.PET	0.022322246	0.0201511968	-4.151283e-02
## LZHGE.W.PET	0.281753530	0.0389051843	-1.154779e-01
## GLNU_area.W.PET	0.186282915	-0.0877679632	-3.178850e-01
## ZSNU.W.PET	0.143941416	-0.0821247741	-2.540972e-01
## ZSP.W.PET	0.833615946	0.3637328630	5.561083e-01
## GLNU_norm.W.PET	0.571480353	0.5679735453	3.962485e-01
## ZSNU_norm.W.PET	0.830393470	0.3690482365	5.562375e-01
## GLVAR_area.W.PET	0.233382752	0.0372930184	2.189459e-02
## ZSVAR.W.PET	0.074817468	0.0611802950	-7.530153e-02
## Entropy_area.W.PET	0.898489549	0.3292454318	3.731645e-01
## Min_hist.ADC	0.348557989	0.1938024688	3.425748e-01
## Max_hist.ADC	0.819176923	0.3485519873	3.713163e-01
## Mean_hist.ADC	0.827537349	0.3535224394	5.085487e-01
## Variance_hist.ADC	0.394416215	0.2677068845	8.384471e-02
## Standard_Deviation_hist.ADC	0.674118405	0.3473787986	2.802294e-01
## Skewness_hist.ADC	0.231128820	0.1186893586	5.549591e-04
## Kurtosis_hist.ADC	0.279031954	0.1037235431	6.428309e-02
## Energy_hist.ADC	0.505487508	0.9930519198	3.300680e-01
## Entropy_hist.ADC	0.909311954	0.3686141632	4.149049e-01
## AUC_hist.ADC	0.951449174	0.4523203257	5.093693e-01
## Volume.ADC	0.211207088	-0.1627978989	-1.914019e-01
## X3D_surface.ADC	0.355395509	0.0855642443	-4.610927e-02
## ratio_3ds_vol.ADC	0.688625182	0.4693101067	6.036819e-01
## ratio_3ds_vol_norm.ADC	0.897721148	0.3502450561	4.460780e-01
## irregularity.ADC	0.950946759	0.4498070402	6.121370e-01
## Compactness_v1.ADC	0.727399450	0.9339686252	4.552354e-01
##	Dissimilarity_cooc.L.PET	Inv_diff_cooc.L.PET	
## Failure	0.103662829	-0.063248823	
## Entropy_cooc.W.ADC	-0.146086427	0.129914631	
## GLNU_align.H.PET	-0.226861846	0.129888739	
## Min_hist.PET	0.416361907	0.415557960	
## Max_hist.PET	0.244242782	0.581050175	
## Mean_hist.PET	0.375316097	0.442069168	
## Variance_hist.PET	0.103783818	0.285616117	
## Standard_Deviation_hist.PET	0.330818600	0.501306206	
## Skewness_hist.PET	0.251921865	0.638422697	
## Kurtosis_hist.PET	-0.172961765	0.432954982	
## Energy_hist.PET	0.436702612	0.483655839	
## Entropy_hist.PET	0.482961490	0.843500302	

## AUC_hist.PET	0.739540314	0.872383504
## H_suv.PET	0.492074108	0.435180204
## Volume.PET	-0.052771301	0.426303434
## X3D_surface.PET	-0.123238244	0.406500674
## ratio_3ds_vol.PET	0.632590652	0.455841647
## ratio_3ds_vol_norm.PET	0.320156616	0.685173490
## irregularity.PET	0.810522808	0.785193655
## tumor_length.PET	0.139365316	0.755262398
## Compactness_v1.PET	0.400004926	0.619090108
## Compactness_v2.PET	0.081278703	0.174746882
## Spherical_disproportion.PET	0.320156616	0.685173490
## Sphericity.PET	0.099914410	0.132657525
## Asphericity.PET	0.301370726	0.670081137
## Center_of_mass.PET	0.003882214	0.535729886
## Max_3D_diam.PET	0.008773130	0.556134978
## Major_axis_length.PET	0.057837629	0.602807355
## Minor_axis_length.PET	0.150243176	0.788156121
## Least_axis_length.PET	0.072721308	0.679639339
## Elongation.PET	0.698642997	0.739321235
## Flatness.PET	0.614572289	0.690378524
## Max_cooc.L.PET	0.365987662	0.567126637
## Average_cooc.L.PET	0.880818236	0.468747227
## Variance_cooc.L.PET	0.945107834	0.222845794
## Entropy_cooc.L.PET	0.765651887	0.787108701
## DAVE_cooc.L.PET	1.000000000	0.346311402
## DVAR_cooc.L.PET	0.892571348	0.353485716
## DENT_cooc.L.PET	0.886025073	0.708417572
## SAVE_cooc.L.PET	0.880760874	0.468302800
## SVAR_cooc.L.PET	0.860751841	0.273170841
## SENT_cooc.L.PET	0.808673944	0.785500948
## ASM_cooc.L.PET	0.347932864	0.538387673
## Contrast_cooc.L.PET	0.951834287	0.112781742
## Dissimilarity_cooc.L.PET	1.000000000	0.346311402
## Inv_diff_cooc.L.PET	0.346311402	1.000000000
## Inv_diff_norm_cooc.L.PET	0.685193240	0.900028024
## IDM_cooc.L.PET	0.235819650	0.985312549
## IDM_norm_cooc.L.PET	0.716561306	0.880017715
## Inv_var_cooc.L.PET	0.237792537	0.984113839
## Correlation_cooc.L.PET	0.133659851	0.798460420
## Autocorrelation_cooc.L.PET	0.791033720	0.243028021
## Tendency_cooc.L.PET	0.860751841	0.273170841
## Shade_cooc.L.PET	0.313909676	0.211029601
## Prominence_cooc.L.PET	0.717263589	0.118181747
## IC1_.L.PET	-0.589449913	-0.061396433
## IC2_.L.PET	0.832421771	0.688700232
## Coarseness_vdif_.L.PET	0.534260699	0.438662565
## Contrast_vdif_.L.PET	0.609508029	-0.022069213
## Busyness_vdif_.L.PET	-0.108088422	0.498410943
## Complexity_vdif_.L.PET	0.955675862	0.364618392
## Strength_vdif_.L.PET	0.541487280	0.105721270
## SRE_align.L.PET	0.774084830	0.841449477
## LRE_align.L.PET	0.686668482	0.899217954
## GLNU_align.L.PET	-0.208051248	0.508852864
## RLNU_align.L.PET	-0.167267413	0.408108006

## RP_align.L.PET	0.779091121	0.837323361
## LGRE_align.L.PET	0.400060635	0.726027710
## HGRE_align.L.PET	0.828818632	0.253002732
## LGSRE_align.L.PET	0.411959152	0.724313630
## HGSRE_align.L.PET	0.834034787	0.247947766
## LGHRE_align.L.PET	0.348934690	0.730594143
## HGLRE_align.L.PET	0.804795695	0.273270483
## GLNU_norm_align.L.PET	0.460685338	0.776118436
## RLNU_norm_align.L.PET	0.795935499	0.822527326
## GLVAR_align.L.PET	0.943779443	0.252351309
## RLVAR_align.L.PET	0.218479090	0.880130771
## Entropy_align.L.PET	0.762804720	0.801076966
## SZSE.L.PET	0.786193337	0.798511339
## LZSE.L.PET	0.341255192	0.751439564
## LGLZE.L.PET	0.413184321	0.735089914
## HGLZE.L.PET	0.840189189	0.259176250
## SZLGE.L.PET	0.450526865	0.720844210
## SZHGE.L.PET	0.852326401	0.244908159
## LZLGE.L.PET	0.183763299	0.708038332
## LZHGE.L.PET	0.603609334	0.273130655
## GLNU_area.L.PET	-0.196584013	0.495861396
## ZSNU.L.PET	-0.148629769	0.387998750
## ZSP.L.PET	0.810435409	0.787920360
## GLNU_norm.L.PET	0.460633916	0.776039568
## ZSNU_norm.L.PET	0.834753394	0.774955311
## GLVAR_area.L.PET	0.949358540	0.265461247
## ZSVAR.L.PET	-0.037545824	0.747388585
## Entropy_area.L.PET	0.734869963	0.824234672
## Max_cooc.H.PET	0.268954258	0.295405376
## Average_cooc.H.PET	0.770222915	0.807275021
## Variance_cooc.H.PET	0.627096378	0.725757110
## Entropy_cooc.H.PET	0.648627153	0.695054574
## DAVE_cooc.H.PET	0.812243957	0.642651486
## DVAR_cooc.H.PET	0.790009320	0.619261870
## DENT_cooc.H.PET	0.516002771	0.672334036
## SAVE_cooc.H.PET	0.750748952	0.822308414
## SVAR_cooc.H.PET	0.496362151	0.792656338
## SENT_cooc.H.PET	0.549285456	0.640811698
## ASM_cooc.H.PET	0.250282296	0.302953265
## Contrast_cooc.H.PET	0.794278135	0.523575625
## Dissimilarity_cooc.H.PET	0.812243957	0.642651486
## Inv_diff_cooc.H.PET	0.435589254	0.655185508
## Inv_diff_norm_cooc.H.PET	0.730008067	0.870574169
## IDM_cooc.H.PET	0.361787293	0.566141834
## IDM_norm_cooc.H.PET	0.741075532	0.865423481
## Inv_var_cooc_.H.PET	0.362440381	0.705047412
## Correlation_cooc.H.PET	0.143451142	0.804522824
## Autocorrelation_cooc.H.PET	0.725990291	0.762249637
## Tendency_cooc.H.PET	0.480701204	0.770041463
## Shade_cooc.H.PET	-0.240157395	-0.386046657
## Prominence_cooc.H.PET	0.272165722	0.612801855
## IC1_d.H.PET	0.231871894	-0.216142225
## IC2_d.H.PET	0.306191462	0.861483840
## Coarseness_vdif.H.PET	0.379154124	0.505340459

## Contrast_vdif.H.PET	0.414394447	0.131069772
## Busyness_vdif.H.PET	-0.060085588	0.115510552
## Complexity_vdif.H.PET	0.714929488	0.502103135
## Strength_vdif.H.PET	0.108505641	-0.007222840
## SRE_align.H.PET	0.771699386	0.811177688
## LRE_align.H.PET	0.383556276	0.606393551
## RLNU_align.H.PET	-0.139421238	0.389523269
## RP_align.H.PET	0.777362159	0.791889691
## LGRE_align.H.PET	0.357753872	0.547895328
## HGRE_align.H.PET	0.727466048	0.769675319
## LGSRE_align.H.PET	0.357384681	0.545089884
## HGSRE_align.H.PET	0.799595031	0.785764058
## LGHRE_align.H.PET	0.357031281	0.564765634
## HGLRE_align.H.PET	0.252047800	0.422232284
## GLNU_norm_align.H.PET	0.462961480	0.432727848
## RLNU_norm_align.H.PET	0.761258877	0.734923848
## GLVAR_align.H.PET	0.570661364	0.714781903
## RLVAR_align.H.PET	0.058005200	0.352266628
## Entropy_align.H.PET	0.574288737	0.822126683
## SZSE.H.PET	0.669858517	0.720498950
## LZSE.H.PET	-0.112266335	-0.017290886
## LGLZE.H.PET	0.356918844	0.548829171
## HGLZE.H.PET	0.613267436	0.771218070
## SZLGE.H.PET	0.355581169	0.541953509
## SZHGE.H.PET	0.682720656	0.689881198
## LZLGE.H.PET	-0.091273493	0.078479157
## LZHGE.H.PET	-0.101073233	-0.010661510
## GLNU_area.H.PET	-0.130628068	0.433206317
## ZSNU.H.PET	-0.108722129	0.321499235
## ZSP.H.PET	0.592276438	0.516978053
## GLNU_norm.H.PET	0.486122093	0.424444039
## ZSNU_norm.H.PET	0.591501514	0.597330265
## GLVAR_area.H.PET	0.542917620	0.703195405
## ZSVAR_H.PET	-0.113996472	-0.009913036
## Entropy_area.H.PET	0.597572477	0.875782708
## Max_cooc.W.PET	0.310845991	0.364143932
## Average_cooc.W.PET	0.324187359	0.474093542
## Variance_cooc.W.PET	0.123759321	0.275340575
## Entropy_cooc.W.PET	0.608965417	0.742768397
## DAVE_cooc.W.PET	0.477928543	0.416204377
## DVAR_cooc.W.PET	0.229878003	0.241696427
## DENT_cooc.W.PET	0.658063494	0.697086536
## SAVE_cooc.W.PET	0.323555039	0.473132906
## SVAR_cooc.W.PET	0.061505413	0.288115958
## SENT_cooc.W.PET	0.638884853	0.800148509
## ASM_cooc.W.PET	0.323036389	0.434524449
## Contrast_cooc.W.PET	0.275276045	0.216645551
## Dissimilarity_cooc.W.PET	0.477928543	0.416204377
## Inv_diff_cooc.W.PET	0.525573515	0.699056696
## Inv_diff_norm_cooc.W.PET	0.687942237	0.898955687
## IDM_cooc.W.PET	0.416039811	0.594183008
## IDM_norm_cooc.W.PET	0.718262496	0.879454401
## Inv_var_cooc.W.PET	0.469050339	0.654654145
## Correlation_cooc.W.PET	0.129114501	0.800497069

## Autocorrelation_cooc.W.PET	0.079754735	0.279514616
## Tendency_cooc.W.PET	0.061505413	0.288115958
## Shade_cooc.W.PET	-0.087288688	0.165070397
## Prominence_cooc.W.PET	-0.110220251	0.129710062
## IC1_d.W.PET	0.145685815	-0.169409172
## IC2_d.W.PET	0.458856129	0.856664403
## Coarseness_vdif.W.PET	0.564385887	0.372883794
## Contrast_vdif.W.PET	0.659978751	0.228144724
## Busyness_vdif.W.PET	0.110011947	0.177140104
## Complexity_vdif.W.PET	-0.054144312	0.297765989
## Strength_vdif.W.PET	0.230283041	0.242512630
## SRE_align.W.PET	0.769370666	0.838970695
## LRE_align.W.PET	0.585414354	0.786317295
## GLNU_align.W.PET	-0.197258743	0.482118842
## RLNU_align.W.PET	-0.155829154	0.403472964
## RP_align.W.PET	0.773339725	0.830907619
## LGRE_align.W.PET	0.460288528	0.420920026
## HGRE_align.W.PET	0.083387995	0.280452722
## LGSRE_align.W.PET	0.501622500	0.446885332
## HGSRE_align.W.PET	0.084756854	0.274043711
## LGHRE_align.W.PET	0.276759789	0.301303290
## HGLRE_align.W.PET	0.075147871	0.307834576
## GLNU_norm_align.W.PET	0.467688566	0.453379272
## RLNU_norm_align.W.PET	0.771875213	0.806766850
## GLVAR_align.W.PET	0.101030973	0.287343192
## RLVAR_align.W.PET	0.134590401	0.424728948
## Entropy_align.W.PET	0.597959315	0.811151579
## SZSE.W.PET	0.747430515	0.786552109
## LZSE.W.PET	0.033333724	0.145421805
## LGLZE.W.PET	0.467036759	0.446073759
## HGLZE.W.PET	0.085603735	0.285923437
## SZLGE.W.PET	0.538163926	0.511237683
## SZHGE.W.PET	0.088690746	0.268085244
## LZLGE.W.PET	-0.027814157	0.015114824
## LZHGE.W.PET	0.019983566	0.381978925
## GLNU_area.W.PET	-0.166805168	0.469163586
## ZSNU.W.PET	-0.130060887	0.365401567
## ZSP.W.PET	0.712778462	0.713703037
## GLNU_norm.W.PET	0.484442859	0.465082153
## ZSNU_norm.W.PET	0.709351074	0.715512306
## GLVAR_area.W.PET	0.098436727	0.296551815
## ZSVAR.W.PET	-0.030325483	0.067624177
## Entropy_area.W.PET	0.608486802	0.855923172
## Min_hist.ADC	0.385737188	0.195981941
## Max_hist.ADC	0.571393990	0.823253071
## Mean_hist.ADC	0.672302848	0.740370210
## Variance_hist.ADC	0.197915219	0.514196229
## Standard_Deviation_hist.ADC	0.446150495	0.711606740
## Skewness_hist.ADC	0.098012981	0.224450841
## Kurtosis_hist.ADC	0.141995627	0.267446441
## Energy_hist.ADC	0.385796373	0.522648407
## Entropy_hist.ADC	0.639101241	0.858466446
## AUC_hist.ADC	0.723931850	0.844645296
## Volume.ADC	-0.039393016	0.402880241

## X3D_surface.ADC	0.102702637	0.495534466
## ratio_3ds_vol.ADC	0.679221506	0.477149767
## ratio_3ds_vol_norm.ADC	0.655055227	0.835539605
## irregularity.ADC	0.796312982	0.779256400
## Compactness_v1.ADC	0.569676904	0.685321775
##	Inv_diff_norm_cooc.L.PET	IDM_cooc.L.PET
## Failure	-0.014688119	-0.0672780650
## Entropy_cooc.W.ADC	0.053059600	0.1378132975
## GLNU_align.H.PET	-0.009172131	0.1683383505
## Min_hist.PET	0.525623847	0.3462525474
## Max_hist.PET	0.572153030	0.5400037948
## Mean_hist.PET	0.532692128	0.3755226422
## Variance_hist.PET	0.278491081	0.2640502489
## Standard_Deviation_hist.PET	0.549533487	0.4489770868
## Skewness_hist.PET	0.561976100	0.6407486394
## Kurtosis_hist.PET	0.202416653	0.4980608691
## Energy_hist.PET	0.435720253	0.5325533953
## Entropy_hist.PET	0.895059603	0.7679150863
## AUC_hist.PET	0.992788121	0.7917319174
## H_suv.PET	0.551460724	0.3752998320
## Volume.PET	0.372459964	0.3886739692
## X3D_surface.PET	0.269955167	0.4183213863
## ratio_3ds_vol.PET	0.543211939	0.4437257348
## ratio_3ds_vol_norm.PET	0.605427801	0.7018430768
## irregularity.PET	0.951407302	0.6965925863
## tumor_length.PET	0.652338615	0.7415092854
## Compactness_v1.PET	0.559904568	0.6490558510
## Compactness_v2.PET	0.242728462	0.1103225739
## Spherical_disproportion.PET	0.605427801	0.7018430768
## Sphericity.PET	0.238053846	0.0494599221
## Asphericity.PET	0.584080952	0.6901087514
## Center_of_mass.PET	0.416222349	0.5404090388
## Max_3D_diam.PET	0.512212824	0.5003854760
## Major_axis_length.PET	0.554696844	0.5537862797
## Minor_axis_length.PET	0.712696830	0.7494086323
## Least_axis_length.PET	0.610907513	0.6369419403
## Elongation.PET	0.847506355	0.6803908957
## Flatness.PET	0.789418321	0.6283167779
## Max_cooc.L.PET	0.474912542	0.6233417912
## Average_cooc.L.PET	0.763499899	0.3525356675
## Variance_cooc.L.PET	0.569941625	0.1166101803
## Entropy_cooc.L.PET	0.969858358	0.6803819273
## DAVE_cooc.L.PET	0.685193240	0.2358196501
## DVAR_cooc.L.PET	0.606995119	0.2810082963
## DENT_cooc.L.PET	0.940226975	0.5997978180
## SAVE_cooc.L.PET	0.763287369	0.3519719035
## SVAR_cooc.L.PET	0.592229642	0.1661952181
## SENT_cooc.L.PET	0.959253271	0.6940063881
## ASM_cooc.L.PET	0.445316408	0.5965518564
## Contrast_cooc.L.PET	0.457740651	0.0219944845
## Dissimilarity_cooc.L.PET	0.685193240	0.2358196501
## Inv_diff_cooc.L.PET	0.900028024	0.9853125493
## Inv_diff_norm_cooc.L.PET	1.000000000	0.8196280362
## IDM_cooc.L.PET	0.819628036	1.0000000000

## IDM_norm_cooc.L.PET	0.998928750	0.7949993437
## Inv_var_cooc.L.PET	0.824225949	0.9951940916
## Correlation_cooc.L.PET	0.712823977	0.7680712412
## Autocorrelation_cooc.L.PET	0.547364682	0.1393752014
## Tendency_cooc.L.PET	0.592229642	0.1661952181
## Shade_cooc.L.PET	0.310875293	0.1658386902
## Prominence_cooc.L.PET	0.400163368	0.0344872956
## IC1_.L.PET	-0.304040206	0.0181588158
## IC2_.L.PET	0.872342455	0.6079707359
## Coarseness_vdif_.L.PET	0.457687123	0.4646510587
## Contrast_vdif_.L.PET	0.166108961	-0.0503634398
## Busyness_vdif_.L.PET	0.369217607	0.4917369477
## Complexity_vdif_.L.PET	0.648478647	0.2802552597
## Strength_vdif_.L.PET	0.248750260	0.0833017924
## SRE_align.L.PET	0.991256625	0.7506803069
## LRE_align.L.PET	0.996978875	0.8204789654
## GLNU_align.L.PET	0.324483766	0.5206821984
## RLNU_align.L.PET	0.287626026	0.3978645931
## RP_align.L.PET	0.990195706	0.7459497021
## LGRE_align.L.PET	0.645613236	0.7483637474
## HGRE_align.L.PET	0.565547383	0.1476819401
## LGSRE_align.L.PET	0.649117377	0.7455344143
## HGSRE_align.L.PET	0.563042925	0.1424434771
## LGHRE_align.L.PET	0.628500219	0.7576887839
## HGLRE_align.L.PET	0.574086897	0.1691547374
## GLNU_norm_align.L.PET	0.692218752	0.8083869848
## RLNU_norm_align.L.PET	0.985773810	0.7291921889
## GLVAR_align.L.PET	0.600065368	0.1417917867
## RLVAR_align.L.PET	0.689766242	0.9285588963
## Entropy_align.L.PET	0.975700086	0.6973415862
## SZSE.L.PET	0.964909734	0.7042531180
## LZSE.L.PET	0.718040427	0.7256778462
## LGLZE.L.PET	0.656697424	0.7570489180
## HGLZE.L.PET	0.574521818	0.1526862398
## SZLGE.L.PET	0.661236212	0.7385914113
## SZHGE.L.PET	0.567445325	0.1368906257
## LZLGE.L.PET	0.544321480	0.7517193639
## LZHGE.L.PET	0.482459221	0.1985471501
## GLNU_area.L.PET	0.324103032	0.5027381492
## ZSNU.L.PET	0.285578901	0.3713539736
## ZSP.L.PET	0.967913035	0.6901958343
## GLNU_norm.L.PET	0.692536733	0.8080914766
## ZSNU_norm.L.PET	0.965830634	0.6760815987
## GLVAR_area.L.PET	0.611508440	0.1549829818
## ZSVAR.L.PET	0.511593319	0.7969341483
## Entropy_area.L.PET	0.980992240	0.7245580803
## Max_cooc.H.PET	0.305678316	0.2985157217
## Average_cooc.H.PET	0.963446066	0.7169603351
## Variance_cooc.H.PET	0.856190548	0.6378669649
## Entropy_cooc.H.PET	0.829880677	0.6098224075
## DAVE_cooc.H.PET	0.851727988	0.5442540617
## DVAR_cooc.H.PET	0.828072030	0.5221336462
## DENT_cooc.H.PET	0.780382744	0.5862707633
## SAVE_cooc.H.PET	0.973428883	0.7297872636

## SVAR_cooc.H.PET	0.862482658	0.7157087994
## SENT_cooc.H.PET	0.689436009	0.6129279271
## ASM_cooc.H.PET	0.292759738	0.3176749934
## Contrast_cooc.H.PET	0.748846854	0.4283525062
## Dissimilarity_cooc.H.PET	0.851727988	0.5442540617
## Inv_diff_cooc.H.PET	0.684365297	0.6208633720
## Inv_diff_norm_cooc.H.PET	0.994534073	0.7861547532
## IDM_cooc.H.PET	0.579962184	0.5431173960
## IDM_norm_cooc.H.PET	0.995818703	0.7789361074
## Inv_var_cooc_.H.PET	0.611980554	0.7379970866
## Correlation_cooc.H.PET	0.719720044	0.7737273372
## Autocorrelation_cooc.H.PET	0.906552014	0.6801485821
## Tendency_cooc.H.PET	0.837604225	0.6939570407
## Shade_cooc.H.PET	-0.425204231	-0.3455079526
## Prominence_cooc.H.PET	0.630537274	0.5567185833
## IC1_d.H.PET	-0.156749736	-0.1802079995
## IC2_d.H.PET	0.823416342	0.8165768768
## Coarseness_vdif.H.PET	0.432795796	0.5594055626
## Contrast_vdif.H.PET	0.259403773	0.1018696087
## Busyness_vdif.H.PET	0.142319155	0.0627052785
## Complexity_vdif.H.PET	0.628260462	0.4715945011
## Strength_vdif.H.PET	0.010854035	0.0007028197
## SRE_align.H.PET	0.963210846	0.7215577621
## LRE_align.H.PET	0.650969504	0.5585782644
## RLNU_align.H.PET	0.282486333	0.3776518177
## RP_align.H.PET	0.949170530	0.7022353472
## LGRE_align.H.PET	0.462758564	0.6007934403
## HGRE_align.H.PET	0.912130178	0.6872766996
## LGSRE_align.H.PET	0.460122016	0.5982338801
## HGSRE_align.H.PET	0.951120726	0.6958097079
## LGHRE_align.H.PET	0.477298356	0.6166510753
## HGLRE_align.H.PET	0.448733266	0.3911027075
## GLNU_norm_align.H.PET	0.501019763	0.4091630986
## RLNU_norm_align.H.PET	0.895865114	0.6474996002
## GLVAR_align.H.PET	0.828038519	0.6304763078
## RLVAR_align.H.PET	0.307866348	0.3469807397
## Entropy_align.H.PET	0.914131841	0.7370953187
## SZSE.H.PET	0.850781951	0.6388926967
## LZSE.H.PET	-0.048628032	-0.0122320850
## LGLZE.H.PET	0.463640991	0.6014510437
## HGLZE.H.PET	0.872011597	0.6976043151
## SZLGE.H.PET	0.456780262	0.5953865594
## SZHGE.H.PET	0.822083728	0.6114152462
## LZLGE.H.PET	0.020174701	0.0937552891
## LZHGE.H.PET	-0.040352958	-0.0044179246
## GLNU_area.H.PET	0.322602689	0.4185895857
## ZSNU.H.PET	0.243910403	0.3044471444
## ZSP.H.PET	0.658217716	0.4430920945
## GLNU_norm.H.PET	0.511061847	0.3942759953
## ZSNU_norm.H.PET	0.717285765	0.5266028467
## GLVAR_area.H.PET	0.808842542	0.6211769296
## ZSVAR_H.PET	-0.044865032	-0.0030279056
## Entropy_area.H.PET	0.962479223	0.7920404809
## Max_cooc.W.PET	0.343837249	0.3876731419

## Average_cooc.W.PET	0.537556621	0.4139705869
## Variance_cooc.W.PET	0.275036041	0.2542727224
## Entropy_cooc.W.PET	0.861118688	0.6560927306
## DAVE_cooc.W.PET	0.541603491	0.3482839436
## DVAR_cooc.W.PET	0.294878393	0.2063872452
## DENT_cooc.W.PET	0.836348891	0.6108883388
## SAVE_cooc.W.PET	0.536793206	0.4128779755
## SVAR_cooc.W.PET	0.256901679	0.2760904725
## SENT_cooc.W.PET	0.900258441	0.7248066837
## ASM_cooc.W.PET	0.383094645	0.4741159291
## Contrast_cooc.W.PET	0.297412973	0.1737103498
## Dissimilarity_cooc.W.PET	0.541603491	0.3482839436
## Inv_diff_cooc.W.PET	0.758321587	0.6528757327
## Inv_diff_norm_cooc.W.PET	0.999927227	0.8185171807
## IDM_cooc.W.PET	0.626894896	0.5635140968
## IDM_norm_cooc.W.PET	0.998833943	0.7944641412
## Inv_var_cooc.W.PET	0.696776883	0.6174315885
## Correlation_cooc.W.PET	0.712918551	0.7702952633
## Autocorrelation_cooc.W.PET	0.278676838	0.2496987029
## Tendency_cooc.W.PET	0.256901679	0.2760904725
## Shade_cooc.W.PET	0.067271824	0.1936888457
## Prominence_cooc.W.PET	0.034826190	0.1574807887
## IC1_d.W.PET	-0.162495354	-0.1173335953
## IC2_d.W.PET	0.873517318	0.8008777609
## Coarseness_vdif.W.PET	0.418491274	0.3930655581
## Contrast_vdif.W.PET	0.437498171	0.1635533728
## Busyness_vdif.W.PET	0.238267933	0.1306264534
## Complexity_vdif.W.PET	0.202485887	0.3081453499
## Strength_vdif.W.PET	0.248034422	0.2421269162
## SRE_align.W.PET	0.985652680	0.7491599399
## LRE_align.W.PET	0.873969577	0.7163141481
## GLNU_align.W.PET	0.327764121	0.4799030785
## RLNU_align.W.PET	0.286108483	0.3937615880
## RP_align.W.PET	0.980319042	0.7409119450
## LGRE_align.W.PET	0.483165642	0.4018911604
## HGRE_align.W.PET	0.281074842	0.2498360614
## LGSRE_align.W.PET	0.517168802	0.4256571283
## HGSRE_align.W.PET	0.276090433	0.2435895703
## LGHRE_align.W.PET	0.328945888	0.2915672079
## HGLRE_align.W.PET	0.301224821	0.2769233490
## GLNU_norm_align.W.PET	0.502625880	0.4419216373
## RLNU_norm_align.W.PET	0.959582107	0.7171158505
## GLVAR_align.W.PET	0.278735662	0.2660007339
## RLVAR_align.W.PET	0.380474454	0.4240285212
## Entropy_align.W.PET	0.913019035	0.7247998518
## SZSE.W.PET	0.934077789	0.6982805090
## LZSE.W.PET	0.136983440	0.1413414840
## LGLZE.W.PET	0.509476196	0.4246363052
## HGLZE.W.PET	0.284713615	0.2561041359
## SZLGE.W.PET	0.582313376	0.4871900053
## SZHGE.W.PET	0.270762442	0.2385861072
## LZLGE.W.PET	0.002524260	0.0197048676
## LZHGE.W.PET	0.334235925	0.3625405276
## GLNU_area.W.PET	0.333682258	0.4603985780

## ZSNU.W.PET	0.268421036	0.3515078809
## ZSP.W.PET	0.861403193	0.6285005304
## GLNU_norm.W.PET	0.522011213	0.4499977768
## ZSNU_norm.W.PET	0.857430936	0.6336351518
## GLVAR_area.W.PET	0.283553216	0.2764686454
## ZSVAR.W.PET	0.048870550	0.0702805814
## Entropy_area.W.PET	0.952649083	0.7695736594
## Min_hist.ADC	0.314452347	0.1542769811
## Max_hist.ADC	0.890922639	0.7551449823
## Mean_hist.ADC	0.861501142	0.6649575185
## Variance_hist.ADC	0.470470309	0.5051616598
## Standard_Deviation_hist.ADC	0.738478021	0.6675178871
## Skewness_hist.ADC	0.239505384	0.2000312808
## Kurtosis_hist.ADC	0.280822084	0.2430037536
## Energy_hist.ADC	0.453768864	0.5732650794
## Entropy_hist.ADC	0.957891317	0.7752954432
## AUC_hist.ADC	0.973472677	0.7595749695
## Volume.ADC	0.356463967	0.3658906245
## X3D_surface.ADC	0.456974908	0.4667325920
## ratio_3ds_vol.ADC	0.625266471	0.4262118844
## ratio_3ds_vol_norm.ADC	0.942854746	0.7527977656
## irregularity.ADC	0.945333877	0.6904742020
## Compactness_v1.ADC	0.687159787	0.6931020609
##	IDM_norm_cooc.L.PET	Inv_var_cooc.L.PET
## Failure	-0.007588976	-0.064759325
## Entropy_cooc.W.ADC	0.042348996	0.139610976
## GLNU_align.H.PET	-0.023645138	0.162008615
## Min_hist.PET	0.528514723	0.354494263
## Max_hist.PET	0.561337820	0.547241994
## Mean_hist.PET	0.533094420	0.384149619
## Variance_hist.PET	0.272404553	0.270806758
## Standard_Deviation_hist.PET	0.545907399	0.456607494
## Skewness_hist.PET	0.548446962	0.640465835
## Kurtosis_hist.PET	0.176981130	0.489782677
## Energy_hist.PET	0.438255746	0.527111361
## Entropy_hist.PET	0.887135288	0.780133922
## AUC_hist.PET	0.994943512	0.796242863
## H_suv.PET	0.557356434	0.384548514
## Volume.PET	0.355500357	0.399262240
## X3D_surface.PET	0.250107413	0.422892766
## ratio_3ds_vol.PET	0.554083703	0.443179403
## ratio_3ds_vol_norm.PET	0.595659112	0.703488328
## irregularity.PET	0.959085969	0.702389600
## tumor_length.PET	0.632629469	0.748147791
## Compactness_v1.PET	0.556863273	0.650883766
## Compactness_v2.PET	0.239907233	0.122195824
## Spherical_disproportion.PET	0.595659112	0.703488328
## Sphericity.PET	0.237264724	0.059291148
## Asphericity.PET	0.574010944	0.691628267
## Center_of_mass.PET	0.397256732	0.540945811
## Max_3D_diam.PET	0.492969131	0.513775823
## Major_axis_length.PET	0.536347967	0.567970280
## Minor_axis_length.PET	0.691892405	0.757246664
## Least_axis_length.PET	0.590548009	0.642788703

## Elongation.PET	0.852198000	0.674285572
## Flatness.PET	0.792188681	0.616339765
## Max_cooc.L.PET	0.471917128	0.618854277
## Average_cooc.L.PET	0.787379511	0.357026395
## Variance_cooc.L.PET	0.603857969	0.119683154
## Entropy_cooc.L.PET	0.977150864	0.688277927
## DAVE_cooc.L.PET	0.716561306	0.237792537
## DVAR_cooc.L.PET	0.631888412	0.275685658
## DENT_cooc.L.PET	0.954750673	0.604658938
## SAVE_cooc.L.PET	0.787179235	0.356467773
## SVAR_cooc.L.PET	0.621944436	0.172044667
## SENT_cooc.L.PET	0.968152109	0.698439183
## ASM_cooc.L.PET	0.442727501	0.593334576
## Contrast_cooc.L.PET	0.493767850	0.020245387
## Dissimilarity_cooc.L.PET	0.716561306	0.237792537
## Inv_diff_cooc.L.PET	0.880017715	0.984113839
## Inv_diff_norm_cooc.L.PET	0.998928750	0.824225949
## IDM_cooc.L.PET	0.794999344	0.995194092
## IDM_norm_cooc.L.PET	1.000000000	0.799755621
## Inv_var_cooc.L.PET	0.799755621	1.000000000
## Correlation_cooc.L.PET	0.693118123	0.775865606
## Autocorrelation_cooc.L.PET	0.575802900	0.142919105
## Tendency_cooc.L.PET	0.621944436	0.172044667
## Shade_cooc.L.PET	0.317467884	0.178153325
## Prominence_cooc.L.PET	0.428606913	0.042870864
## IC1_.L.PET	-0.325613824	0.024511111
## IC2_.L.PET	0.884797472	0.608310517
## Coarseness_vdif_.L.PET	0.466372383	0.460331226
## Contrast_vdif_.L.PET	0.188691421	-0.066880388
## Busyness_vdif_.L.PET	0.346196756	0.493606329
## Complexity_vdif_.L.PET	0.675794043	0.277758386
## Strength_vdif_.L.PET	0.265924340	0.072080597
## SRE_align.L.PET	0.996117485	0.756514583
## LRE_align.L.PET	0.995823689	0.819058130
## GLNU_align.L.PET	0.296287420	0.521351797
## RLNU_align.L.PET	0.265662831	0.401800642
## RP_align.L.PET	0.995438384	0.751463959
## LGRE_align.L.PET	0.636058291	0.739135407
## HGRE_align.L.PET	0.594738807	0.150660972
## LGSRE_align.L.PET	0.640211039	0.736881481
## HGSRE_align.L.PET	0.592586918	0.146152477
## LGHRE_align.L.PET	0.616294597	0.746213171
## HGLRE_align.L.PET	0.601716711	0.168787165
## GLNU_norm_align.L.PET	0.684737943	0.803679106
## RLNU_norm_align.L.PET	0.992321856	0.734182597
## GLVAR_align.L.PET	0.633404534	0.145363679
## RLVAR_align.L.PET	0.668705900	0.920390162
## Entropy_align.L.PET	0.982234161	0.704491303
## SZSE.L.PET	0.971688927	0.723521995
## LZSE.L.PET	0.706852677	0.679002971
## LGLZE.L.PET	0.647383765	0.747527769
## HGLZE.L.PET	0.603879768	0.155609591
## SZLGE.L.PET	0.654144222	0.735046525
## SZHGE.L.PET	0.597511020	0.149428377

## LZLGE.L.PET	0.525480468	0.724417571
## LZHGE.L.PET	0.501655179	0.161861756
## GLNU_area.L.PET	0.296955884	0.507629739
## ZSNU.L.PET	0.265248424	0.380416602
## ZSP.L.PET	0.976243635	0.705209627
## GLNU_norm.L.PET	0.685107612	0.803578525
## ZSNU_norm.L.PET	0.975766061	0.681912688
## GLVAR_area.L.PET	0.644554138	0.158345404
## ZSVAR.L.PET	0.482855144	0.760713380
## Entropy_area.L.PET	0.985427495	0.731393033
## Max_cooc.H.PET	0.307926018	0.300693886
## Average_cooc.H.PET	0.969406796	0.720937251
## Variance_cooc.H.PET	0.858751867	0.642116005
## Entropy_cooc.H.PET	0.833210007	0.612137303
## DAVE_cooc.H.PET	0.864460402	0.547479933
## DVAR_cooc.H.PET	0.841326792	0.524801461
## DENT_cooc.H.PET	0.779394675	0.597665253
## SAVE_cooc.H.PET	0.978133507	0.733017802
## SVAR_cooc.H.PET	0.857711158	0.722859675
## SENT_cooc.H.PET	0.691374254	0.612483396
## ASM_cooc.H.PET	0.294316030	0.320157823
## Contrast_cooc.H.PET	0.764949053	0.430935289
## Dissimilarity_cooc.H.PET	0.864460402	0.547479933
## Inv_diff_cooc.H.PET	0.681965036	0.622700809
## Inv_diff_norm_cooc.H.PET	0.996554323	0.790768789
## IDM_cooc.H.PET	0.577516616	0.544077938
## IDM_norm_cooc.H.PET	0.998423695	0.783540366
## Inv_var_cooc_.H.PET	0.603817344	0.739986812
## Correlation_cooc.H.PET	0.699995498	0.779406548
## Autocorrelation_cooc.H.PET	0.912391902	0.683680844
## Tendency_cooc.H.PET	0.832622468	0.698726892
## Shade_cooc.H.PET	-0.423469495	-0.340310312
## Prominence_cooc.H.PET	0.621755175	0.561602339
## IC1_d.H.PET	-0.139707220	-0.183317254
## IC2_d.H.PET	0.807905022	0.820064202
## Coarseness_vdif.H.PET	0.432661284	0.556182738
## Contrast_vdif.H.PET	0.274337183	0.098637462
## Busyness_vdif.H.PET	0.135084546	0.070988792
## Complexity_vdif.H.PET	0.642176081	0.467504236
## Strength_vdif.H.PET	0.014769807	-0.001028451
## SRE_align.H.PET	0.968511755	0.726345163
## LRE_align.H.PET	0.648401755	0.558958045
## RLNU_align.H.PET	0.262373643	0.382095446
## RP_align.H.PET	0.955286196	0.706579527
## LGRE_align.H.PET	0.460443416	0.598897330
## HGRE_align.H.PET	0.917470023	0.691491861
## LGSRE_align.H.PET	0.457886016	0.596335466
## HGSRE_align.H.PET	0.958300458	0.699917840
## LGHRE_align.H.PET	0.474400414	0.614405159
## HGLRE_align.H.PET	0.446804448	0.393044452
## GLNU_norm_align.H.PET	0.507052756	0.409779663
## RLNU_norm_align.H.PET	0.902979088	0.651184825
## GLVAR_align.H.PET	0.828653752	0.635019727
## RLVAR_align.H.PET	0.300053328	0.345866862

## Entropy_align.H.PET	0.910933667	0.744831042
## SZSE.H.PET	0.854021054	0.656924808
## LZSE.H.PET	-0.052674063	-0.006305774
## LGLZE.H.PET	0.461263252	0.599590671
## HGLZE.H.PET	0.872415293	0.699463969
## SZLGE.H.PET	0.454565912	0.593867936
## SZHGE.H.PET	0.825700909	0.624370699
## LZLGE.H.PET	0.014091112	0.093954887
## LZHGE.H.PET	-0.043761568	0.002518904
## GLNU_area.H.PET	0.301148363	0.426318117
## ZSNU.H.PET	0.227545325	0.313405189
## ZSP.H.PET	0.664864967	0.455484030
## GLNU_norm.H.PET	0.519020335	0.396625788
## ZSNU_norm.H.PET	0.721171710	0.534499544
## GLVAR_area.H.PET	0.808775739	0.625243139
## ZSVAR_H.PET	-0.049026678	0.003109851
## Entropy_area.H.PET	0.958708895	0.796409114
## Max_cooc.W.PET	0.345442672	0.388981237
## Average_cooc.W.PET	0.535045921	0.422297080
## Variance_cooc.W.PET	0.270093283	0.260548987
## Entropy_cooc.W.PET	0.861677168	0.662825358
## DAVE_cooc.W.PET	0.547149397	0.355253768
## DVAR_cooc.W.PET	0.295554785	0.212849576
## DENT_cooc.W.PET	0.840208541	0.616762887
## SAVE_cooc.W.PET	0.534285915	0.421211763
## SVAR_cooc.W.PET	0.248850559	0.282119474
## SENT_cooc.W.PET	0.900282066	0.729770681
## ASM_cooc.W.PET	0.383281070	0.474662273
## Contrast_cooc.W.PET	0.301052831	0.180076856
## Dissimilarity_cooc.W.PET	0.547149397	0.355253768
## Inv_diff_cooc.W.PET	0.758279341	0.653484849
## Inv_diff_norm_cooc.W.PET	0.999007982	0.823043075
## IDM_cooc.W.PET	0.625938447	0.563606253
## IDM_norm_cooc.W.PET	0.999980143	0.799107859
## Inv_var_cooc.W.PET	0.695945100	0.619710534
## Correlation_cooc.W.PET	0.692939902	0.777942476
## Autocorrelation_cooc.W.PET	0.272170318	0.258097914
## Tendency_cooc.W.PET	0.248850559	0.282119474
## Shade_cooc.W.PET	0.056635785	0.195610729
## Prominence_cooc.W.PET	0.024614899	0.159734410
## IC1_d.W.PET	-0.150315211	-0.119909991
## IC2_d.W.PET	0.864390331	0.804210465
## Coarseness_vdif.W.PET	0.429939797	0.384910187
## Contrast_vdif.W.PET	0.457374329	0.164604632
## Busyness_vdif.W.PET	0.239095104	0.138696096
## Complexity_vdif.W.PET	0.188474431	0.312283845
## Strength_vdif.W.PET	0.247911751	0.235618199
## SRE_align.W.PET	0.990108303	0.754511975
## LRE_align.W.PET	0.873488970	0.716073819
## GLNU_align.W.PET	0.301775277	0.480371894
## RLNU_align.W.PET	0.264744111	0.397913849
## RP_align.W.PET	0.985159817	0.745827775
## LGRE_align.W.PET	0.488889429	0.400836242
## HGRE_align.W.PET	0.274583968	0.258376495

## LGSRE_align.W.PET	0.523694995	0.424253134
## HGSRE_align.W.PET	0.269850281	0.252301122
## LGHRE_align.W.PET	0.331183100	0.292280282
## HGLRE_align.W.PET	0.293565517	0.284156869
## GLNU_norm_align.W.PET	0.508096964	0.442409144
## RLNU_norm_align.W.PET	0.964993477	0.721348471
## GLVAR_align.W.PET	0.272441385	0.272752227
## RLVAR_align.W.PET	0.373702850	0.422849072
## Entropy_align.W.PET	0.911080469	0.731898431
## SZSE.W.PET	0.938745212	0.715988085
## LZSE.W.PET	0.135281197	0.134578031
## LGLZE.W.PET	0.515109508	0.425728531
## HGLZE.W.PET	0.278040604	0.264140430
## SZLGE.W.PET	0.588495105	0.496297725
## SZHGE.W.PET	0.264727366	0.248857120
## LZLGE.W.PET	0.001390999	0.025840685
## LZHGE.W.PET	0.322952174	0.338684532
## GLNU_area.W.PET	0.309358107	0.467332436
## ZSNU.W.PET	0.249503616	0.359996957
## ZSP.W.PET	0.866684912	0.640401560
## GLNU_norm.W.PET	0.528170029	0.451535030
## ZSNU_norm.W.PET	0.862436953	0.639166871
## GLVAR_area.W.PET	0.276784136	0.283081548
## ZSVAR.W.PET	0.046840767	0.070061489
## Entropy_area.W.PET	0.949945043	0.775851491
## Min_hist.ADC	0.325020310	0.152832287
## Max_hist.ADC	0.886775438	0.762582251
## Mean_hist.ADC	0.864338432	0.669233679
## Variance_hist.ADC	0.460706298	0.512184957
## Standard_Deviation_hist.ADC	0.732777261	0.674075665
## Skewness_hist.ADC	0.237757102	0.204105168
## Kurtosis_hist.ADC	0.277898508	0.250345958
## Energy_hist.ADC	0.453612613	0.569996830
## Entropy_hist.ADC	0.956155543	0.783244065
## AUC_hist.ADC	0.976271681	0.764413534
## Volume.ADC	0.340747212	0.378283266
## X3D_surface.ADC	0.444193491	0.483805239
## ratio_3ds_vol.ADC	0.638157710	0.417582979
## ratio_3ds_vol_norm.ADC	0.942206197	0.760349048
## irregularity.ADC	0.953217473	0.691560704
## Compactness_v1.ADC	0.689401121	0.691173751
##	Correlation_cooc.L.PET	Autocorrelation_cooc.L.PET
## Failure	-0.08072976	0.130739621
## Entropy_cooc.W.ADC	0.19201117	-0.072437813
## GLNU_align.H.PET	0.16503054	-0.171910190
## Min_hist.PET	0.24119730	0.282148824
## Max_hist.PET	0.39119493	0.137513754
## Mean_hist.PET	0.27637297	0.297567162
## Variance_hist.PET	0.21183247	0.083268638
## Standard_Deviation_hist.PET	0.35103173	0.246383779
## Skewness_hist.PET	0.40843932	-0.142954123
## Kurtosis_hist.PET	0.15036495	-0.378236153
## Energy_hist.PET	0.23159380	0.332629532
## Entropy_hist.PET	0.69520657	0.383681382

## AUC_hist.PET	0.66787660	0.578693170
## H_suv.PET	0.18737798	0.357094452
## Volume.PET	0.36111369	-0.075851667
## X3D_surface.PET	0.45024008	-0.060029479
## ratio_3ds_vol.PET	0.25955972	0.420992095
## ratio_3ds_vol_norm.PET	0.59763342	0.252184526
## irregularity.PET	0.58429135	0.616237272
## tumor_length.PET	0.71731425	0.163557647
## Compactness_v1.PET	0.35895930	0.317074283
## Compactness_v2.PET	0.13477106	0.058274172
## Spherical_disproportion.PET	0.59763342	0.252184526
## Sphericity.PET	0.10582340	0.052994129
## Asphericity.PET	0.58702699	0.237107016
## Center_of_mass.PET	0.62312838	0.025670294
## Max_3D_diam.PET	0.54302711	0.017183165
## Major_axis_length.PET	0.56984306	0.072828525
## Minor_axis_length.PET	0.71848424	0.137386877
## Least_axis_length.PET	0.68265815	0.119754774
## Elongation.PET	0.53856803	0.562495633
## Flatness.PET	0.57598715	0.557235660
## Max_cooc.L.PET	0.31544478	0.280772927
## Average_cooc.L.PET	0.39916470	0.946643824
## Variance_cooc.L.PET	0.17840412	0.831638625
## Entropy_cooc.L.PET	0.64483524	0.661259071
## DAVE_cooc.L.PET	0.13365985	0.791033720
## DVAR_cooc.L.PET	0.04123740	0.622583899
## DENT_cooc.L.PET	0.51360125	0.713099926
## SAVE_cooc.L.PET	0.39897369	0.946689097
## SVAR_cooc.L.PET	0.35665017	0.839040427
## SENT_cooc.L.PET	0.63935349	0.690613481
## ASM_cooc.L.PET	0.29870565	0.276612075
## Contrast_cooc.L.PET	-0.12877051	0.707921314
## Dissimilarity_cooc.L.PET	0.13365985	0.791033720
## Inv_diff_cooc.L.PET	0.79846042	0.243028021
## Inv_diff_norm_cooc.L.PET	0.71282398	0.547364682
## IDM_cooc.L.PET	0.76807124	0.139375201
## IDM_norm_cooc.L.PET	0.69311812	0.575802900
## Inv_var_cooc.L.PET	0.77586561	0.142919105
## Correlation_cooc.L.PET	1.00000000	0.277885489
## Autocorrelation_cooc.L.PET	0.27788549	1.000000000
## Tendency_cooc.L.PET	0.35665017	0.839040427
## Shade_cooc.L.PET	0.33576188	0.025569445
## Prominence_cooc.L.PET	0.26349620	0.664435881
## IC1_.L.PET	-0.13140412	-0.515599343
## IC2_.L.PET	0.57382287	0.697986094
## Coarseness_vdif_.L.PET	0.23465084	0.460503219
## Contrast_vdif_.L.PET	-0.26317566	0.351850101
## Busyness_vdif_.L.PET	0.45012185	-0.161531984
## Complexity_vdif_.L.PET	0.04572398	0.627498773
## Strength_vdif_.L.PET	-0.03716686	0.291626917
## SRE_align.L.PET	0.64513212	0.619747753
## LRE_align.L.PET	0.70599518	0.545904938
## GLNU_align.L.PET	0.48133807	-0.198559259
## RLNU_align.L.PET	0.44378291	-0.105674924

## RP_align.L.PET	0.64091556	0.624136128
## LGRE_align.L.PET	0.43120375	0.061265137
## HGRE_align.L.PET	0.23124780	0.989678332
## LGSRE_align.L.PET	0.42870423	0.073783469
## HGSRE_align.L.PET	0.22334379	0.988675454
## LGHRE_align.L.PET	0.43963495	0.010549020
## HGLRE_align.L.PET	0.26281680	0.990045350
## GLNU_norm_align.L.PET	0.46034889	0.265633030
## RLNU_norm_align.L.PET	0.62564219	0.638694704
## GLVAR_align.L.PET	0.21621801	0.894832364
## RLVAR_align.L.PET	0.65529887	0.161155811
## Entropy_align.L.PET	0.66190878	0.673160689
## SZSE.L.PET	0.60513181	0.627525011
## LZSE.L.PET	0.60337753	0.271277689
## LGLZE.L.PET	0.43393504	0.078764259
## HGLZE.L.PET	0.23027749	0.986469323
## SZLGE.L.PET	0.41774843	0.120877855
## SZHGE.L.PET	0.20390516	0.970195330
## LZLGE.L.PET	0.44156270	-0.115387667
## LZHGE.L.PET	0.29007981	0.821269882
## GLNU_area.L.PET	0.47614534	-0.185281579
## ZSNU.L.PET	0.42770908	-0.085910395
## ZSP.L.PET	0.59487439	0.648587571
## GLNU_norm.L.PET	0.46171916	0.267985269
## ZSNU_norm.L.PET	0.57660237	0.670990745
## GLVAR_area.L.PET	0.21924441	0.892914217
## ZSVAR.L.PET	0.58488343	-0.052876790
## Entropy_area.L.PET	0.68347234	0.645865975
## Max_cooc.H.PET	0.29264216	0.213056412
## Average_cooc.H.PET	0.64387681	0.612857804
## Variance_cooc.H.PET	0.53202074	0.589376006
## Entropy_cooc.H.PET	0.47007004	0.459934256
## DAVE_cooc.H.PET	0.32187614	0.617751284
## DVAR_cooc.H.PET	0.30104626	0.659542203
## DENT_cooc.H.PET	0.51966241	0.358172304
## SAVE_cooc.H.PET	0.66827417	0.607755974
## SVAR_cooc.H.PET	0.69504979	0.503982110
## SENT_cooc.H.PET	0.44071350	0.450815424
## ASM_cooc.H.PET	0.28030902	0.232368270
## Contrast_cooc.H.PET	0.16483703	0.611762249
## Dissimilarity_cooc.H.PET	0.32187614	0.617751284
## Inv_diff_cooc.H.PET	0.65117881	0.410467696
## Inv_diff_norm_cooc.H.PET	0.70169129	0.590660942
## IDM_cooc.H.PET	0.58668022	0.356469158
## IDM_norm_cooc.H.PET	0.68616723	0.595020678
## Inv_var_cooc_.H.PET	0.47440333	0.241078678
## Correlation_cooc.H.PET	0.98683268	0.294422769
## Autocorrelation_cooc.H.PET	0.64582326	0.591473383
## Tendency_cooc.H.PET	0.68278243	0.524576280
## Shade_cooc.H.PET	-0.32454424	-0.483967677
## Prominence_cooc.H.PET	0.55812093	0.406922596
## IC1_d.H.PET	-0.63095355	0.003094221
## IC2_d.H.PET	0.95088780	0.363070150
## Coarseness_vdif.H.PET	0.26893755	0.300502431

## Contrast_vdif.H.PET	0.13324207	0.531558831
## Busyness_vdif.H.PET	0.13494242	-0.120914765
## Complexity_vdif.H.PET	0.20527407	0.580773484
## Strength_vdif.H.PET	-0.05861020	0.018354487
## SRE_align.H.PET	0.56469708	0.585154020
## LRE_align.H.PET	0.64985316	0.395302307
## RLNU_align.H.PET	0.40092089	-0.089775357
## RP_align.H.PET	0.53551593	0.585453358
## LGRE_align.H.PET	0.31057012	0.311386515
## HGRE_align.H.PET	0.62008214	0.568234477
## LGSRE_align.H.PET	0.30726072	0.310022520
## HGSRE_align.H.PET	0.55755288	0.568563312
## LGHRE_align.H.PET	0.33327300	0.317845385
## HGLRE_align.H.PET	0.52130503	0.316269948
## GLNU_norm_align.H.PET	0.38462348	0.363061145
## RLNU_norm_align.H.PET	0.45478914	0.554594091
## GLVAR_align.H.PET	0.53171483	0.566471502
## RLVAR_align.H.PET	0.51073497	0.160591428
## Entropy_align.H.PET	0.66246202	0.491763524
## SZSE.H.PET	0.44596674	0.456113236
## LZSE.H.PET	0.13802628	-0.034172988
## LGLZE.H.PET	0.31171704	0.315270992
## HGLZE.H.PET	0.64038070	0.393877097
## SZLGE.H.PET	0.30366293	0.308743958
## SZHGE.H.PET	0.39801786	0.333642877
## LZLGE.H.PET	0.23061852	0.026541880
## LZHGE.H.PET	0.14708172	0.003218171
## GLNU_area.H.PET	0.42855761	-0.116958186
## ZSNU.H.PET	0.32138044	-0.066850538
## ZSP.H.PET	0.22828238	0.373048309
## GLNU_norm.H.PET	0.41718499	0.449627017
## ZSNU_norm.H.PET	0.30890029	0.369618024
## GLVAR_area.H.PET	0.51261105	0.529619500
## ZSVAR_H.PET	0.14931508	-0.014095955
## Entropy_area.H.PET	0.71649172	0.504924610
## Max_cooc.W.PET	0.26735989	0.236744294
## Average_cooc.W.PET	0.33072725	0.328071015
## Variance_cooc.W.PET	0.20370246	0.075280599
## Entropy_cooc.W.PET	0.53170105	0.471018439
## DAVE_cooc.W.PET	0.18301479	0.315504403
## DVAR_cooc.W.PET	0.07994437	0.124483292
## DENT_cooc.W.PET	0.44099522	0.462762338
## SAVE_cooc.W.PET	0.33020576	0.327565265
## SVAR_cooc.W.PET	0.25867621	0.039543331
## SENT_cooc.W.PET	0.60403484	0.501515602
## ASM_cooc.W.PET	0.30155063	0.279396327
## Contrast_cooc.W.PET	0.04120495	0.161774701
## Dissimilarity_cooc.W.PET	0.18301479	0.315504403
## Inv_diff_cooc.W.PET	0.65527002	0.488062352
## Inv_diff_norm_cooc.W.PET	0.71239538	0.550293141
## IDM_cooc.W.PET	0.59891169	0.417623750
## IDM_norm_cooc.W.PET	0.69182149	0.576901492
## Inv_var_cooc.W.PET	0.63851016	0.464273282
## Correlation_cooc.W.PET	0.99961365	0.272441417

## Autocorrelation_cooc.W.PET	0.21145131	0.149665893
## Tendency_cooc.W.PET	0.25867621	0.039543331
## Shade_cooc.W.PET	0.19571141	-0.133995606
## Prominence_cooc.W.PET	0.15489093	-0.102144758
## IC1_d.W.PET	-0.55842630	-0.035588609
## IC2_d.W.PET	0.86557537	0.445656034
## Coarseness_vdif.W.PET	0.16257409	0.477195449
## Contrast_vdif.W.PET	-0.02672572	0.461049734
## Busyness_vdif.W.PET	0.39771297	0.148896930
## Complexity_vdif.W.PET	0.20791235	-0.073758687
## Strength_vdif.W.PET	0.12299829	0.015860816
## SRE_align.W.PET	0.61773635	0.598832426
## LRE_align.W.PET	0.73328749	0.536669714
## GLNU_align.W.PET	0.52001119	-0.165671457
## RLNU_align.W.PET	0.42468198	-0.102375273
## RP_align.W.PET	0.60220344	0.598109713
## LGRE_align.W.PET	0.35045585	0.251793224
## HGRE_align.W.PET	0.19647522	0.138324355
## LGSRE_align.W.PET	0.35434773	0.275142165
## HGSRE_align.W.PET	0.18811946	0.134247767
## LGHRE_align.W.PET	0.31985674	0.149840265
## HGLRE_align.W.PET	0.23348604	0.154191162
## GLNU_norm_align.W.PET	0.37070082	0.358004866
## RLNU_norm_align.W.PET	0.55898110	0.582785135
## GLVAR_align.W.PET	0.21280060	0.080468374
## RLVAR_align.W.PET	0.53882021	0.225962380
## Entropy_align.W.PET	0.63190047	0.498308671
## SZSE.W.PET	0.53042194	0.547433257
## LZSE.W.PET	0.30950492	0.154836612
## LGLZE.W.PET	0.38158413	0.287451897
## HGLZE.W.PET	0.19964910	0.128675482
## SZLGE.W.PET	0.38185983	0.319013021
## SZHGE.W.PET	0.17845246	0.115533573
## LZLGE.W.PET	0.14064576	0.001970843
## LZHGE.W.PET	0.39299375	0.222448658
## GLNU_area.W.PET	0.48666691	-0.144337582
## ZSNU.W.PET	0.37505011	-0.084850258
## ZSP.W.PET	0.42880562	0.495322183
## GLNU_norm.W.PET	0.39965958	0.409697306
## ZSNU_norm.W.PET	0.41930232	0.481844369
## GLVAR_area.W.PET	0.21716256	0.073428781
## ZSVAR.W.PET	0.23462675	0.094708792
## Entropy_area.W.PET	0.69649585	0.516058064
## Min_hist.ADC	0.15839556	0.401232985
## Max_hist.ADC	0.59275421	0.401802637
## Mean_hist.ADC	0.51060757	0.479517611
## Variance_hist.ADC	0.34397604	0.089784803
## Standard_Deviation_hist.ADC	0.50594896	0.299930862
## Skewness_hist.ADC	0.27450481	0.190081531
## Kurtosis_hist.ADC	0.28285802	0.077029010
## Energy_hist.ADC	0.30034863	0.325097437
## Entropy_hist.ADC	0.67267043	0.498930670
## AUC_hist.ADC	0.64932116	0.596487036
## Volume.ADC	0.33245287	-0.074746372

## X3D_surface.ADC	0.39313716	0.038137207
## ratio_3ds_vol.ADC	0.32268552	0.562348180
## ratio_3ds_vol_norm.ADC	0.62753555	0.477888811
## irregularity.ADC	0.58078279	0.649138201
## Compactness_v1.ADC	0.45735664	0.485088381
##	Tendency_cooc.L.PET	Shade_cooc.L.PET
## Failure	0.1114961637	-0.021243946
## Entropy_cooc.W.ADC	-0.1187634176	-0.064809742
## GLNU_align.H.PET	-0.2017104419	-0.127442511
## Min_hist.PET	0.2675315731	0.121624503
## Max_hist.PET	0.1000900657	0.076136184
## Mean_hist.PET	0.2265228391	0.053499729
## Variance_hist.PET	0.0488122760	0.065673573
## Standard_Deviation_hist.PET	0.2152812243	0.126297098
## Skewness_hist.PET	0.2028598542	0.640297155
## Kurtosis_hist.PET	-0.2541048850	0.142321083
## Energy_hist.PET	0.3602629948	0.141128061
## Entropy_hist.PET	0.3865137725	0.208891802
## AUC_hist.PET	0.6361971607	0.330128747
## H_suv.PET	0.3042535504	0.106247008
## Volume.PET	-0.1629224084	-0.133207609
## X3D_surface.PET	-0.0976408280	-0.083698917
## ratio_3ds_vol.PET	0.6065382699	0.462899884
## ratio_3ds_vol_norm.PET	0.3740042861	0.330512778
## irregularity.PET	0.7193855273	0.417376349
## tumor_length.PET	0.1433596998	0.079526495
## Compactness_v1.PET	0.2878486467	0.078041063
## Compactness_v2.PET	-0.0215614813	-0.075018183
## Spherical_disproportion.PET	0.3740042861	0.330512778
## Sphericity.PET	-0.0121370520	-0.053750569
## Asphericity.PET	0.3594522183	0.325851677
## Center_of_mass.PET	0.1294288068	0.272446946
## Max_3D_diam.PET	-0.0552582514	-0.032965372
## Major_axis_length.PET	0.0008067448	-0.007995056
## Minor_axis_length.PET	0.0995480629	0.036924333
## Least_axis_length.PET	0.0566212023	-0.028324339
## Elongation.PET	0.6050504344	0.228973707
## Flatness.PET	0.5731789591	0.161672083
## Max_cooc.L.PET	0.3008217316	0.137400243
## Average_cooc.L.PET	0.8404960632	0.120830546
## Variance_cooc.L.PET	0.9677775939	0.437845224
## Entropy_cooc.L.PET	0.6799571023	0.292524094
## DAVE_cooc.L.PET	0.8607518413	0.313909676
## DVAR_cooc.L.PET	0.7153713065	0.289489176
## DENT_cooc.L.PET	0.7723373534	0.350389589
## SAVE_cooc.L.PET	0.8404955182	0.120757701
## SVAR_cooc.L.PET	1.0000000000	0.515274189
## SENT_cooc.L.PET	0.7498876403	0.356233179
## ASM_cooc.L.PET	0.2838467510	0.107864904
## Contrast_cooc.L.PET	0.7863266485	0.255943572
## Dissimilarity_cooc.L.PET	0.8607518413	0.313909676
## Inv_diff_cooc.L.PET	0.2731708410	0.211029601
## Inv_diff_norm_cooc.L.PET	0.5922296419	0.310875293
## IDM_cooc.L.PET	0.1661952181	0.165838690

## IDM_norm_cooc.L.PET	0.6219444358	0.317467884
## Inv_var_cooc.L.PET	0.1720446669	0.178153325
## Correlation_cooc.L.PET	0.3566501678	0.335761879
## Autocorrelation_cooc.L.PET	0.8390404272	0.025569445
## Tendency_cooc.L.PET	1.0000000000	0.515274189
## Shade_cooc.L.PET	0.5152741888	1.000000000
## Prominence_cooc.L.PET	0.9382549936	0.678951091
## IC1_.L.PET	-0.6833276456	-0.419144375
## IC2_.L.PET	0.8191163391	0.454915932
## Coarseness_vdif_.L.PET	0.4979587377	0.207704047
## Contrast_vdif_.L.PET	0.4381363539	0.110792652
## Busyness_vdif_.L.PET	-0.1714001525	-0.041908859
## Complexity_vdif_.L.PET	0.7488556688	0.331823453
## Strength_vdif_.L.PET	0.5263702260	0.443509818
## SRE_align.L.PET	0.6710755210	0.329671406
## LRE_align.L.PET	0.5891270761	0.297736824
## GLNU_align.L.PET	-0.2502679775	-0.130255796
## RLNU_align.L.PET	-0.1950350231	-0.165752174
## RP_align.L.PET	0.6759008515	0.331228545
## LGRE_align.L.PET	0.3157453419	0.431594368
## HGRE_align.L.PET	0.8226215941	0.009299922
## LGSRE_align.L.PET	0.3264262184	0.431648893
## HGSRE_align.L.PET	0.8259758999	0.015802846
## LGHRE_align.L.PET	0.2694437991	0.426302868
## HGLRE_align.L.PET	0.8058752154	-0.017499616
## GLNU_norm_align.L.PET	0.3566807129	0.265294191
## RLNU_norm_align.L.PET	0.6919491066	0.336209817
## GLVAR_align.L.PET	0.9619583857	0.337362626
## RLVAR_align.L.PET	0.1548023008	0.084423685
## Entropy_align.L.PET	0.6821832817	0.278594062
## SZSE.L.PET	0.6808100192	0.336708917
## LZSE.L.PET	0.2834051053	0.132550732
## LGLZE.L.PET	0.3220884517	0.411828116
## HGLZE.L.PET	0.8280647250	0.026876024
## SZLGE.L.PET	0.3523505350	0.400301636
## SZHGE.L.PET	0.8293855422	0.056991139
## LZLGE.L.PET	0.1278785937	0.369109526
## LZHGE.L.PET	0.6315420466	-0.095043321
## GLNU_area.L.PET	-0.2388838463	-0.127891730
## ZSNU.L.PET	-0.1791574239	-0.164225631
## ZSP.L.PET	0.7041744511	0.346243574
## GLNU_norm.L.PET	0.3560979717	0.260338276
## ZSNU_norm.L.PET	0.7248676679	0.345602969
## GLVAR_area.L.PET	0.9586129579	0.339540494
## ZSVAR.L.PET	-0.0766236725	-0.041640990
## Entropy_area.L.PET	0.6552999650	0.273320432
## Max_cooc.H.PET	0.3732503620	0.375295906
## Average_cooc.H.PET	0.7061019720	0.387748380
## Variance_cooc.H.PET	0.4667136282	0.023121597
## Entropy_cooc.H.PET	0.5218942374	0.314255835
## DAVE_cooc.H.PET	0.5631040616	0.113198657
## DVAR_cooc.H.PET	0.5379509979	0.031556463
## DENT_cooc.H.PET	0.3833397370	0.214918584
## SAVE_cooc.H.PET	0.6825770991	0.368276971

## SVAR_cooc.H.PET	0.4214628706	0.096989194
## SENT_cooc.H.PET	0.4613360127	0.205822155
## ASM_cooc.H.PET	0.3346887046	0.282614987
## Contrast_cooc.H.PET	0.4987365171	0.008747212
## Dissimilarity_cooc.H.PET	0.5631040616	0.113198657
## Inv_diff_cooc.H.PET	0.5270331019	0.370966863
## Inv_diff_norm_cooc.H.PET	0.6570578832	0.353253326
## IDM_cooc.H.PET	0.4726159933	0.343657169
## IDM_norm_cooc.H.PET	0.6563564124	0.343079127
## Inv_var_cooc_.H.PET	0.2954084009	0.250901993
## Correlation_cooc.H.PET	0.3427833067	0.269424220
## Autocorrelation_cooc.H.PET	0.7113176031	0.419345043
## Tendency_cooc.H.PET	0.4076687133	0.028805006
## Shade_cooc.H.PET	-0.1407133117	0.441492061
## Prominence_cooc.H.PET	0.1939101209	-0.160228943
## IC1_d.H.PET	-0.0933369411	-0.242574551
## IC2_d.H.PET	0.4395462206	0.351306991
## Coarseness_vdif.H.PET	0.3168492946	0.130059049
## Contrast_vdif.H.PET	0.4484149517	-0.047179692
## Busyness_vdif.H.PET	-0.1259245028	-0.032197658
## Complexity_vdif.H.PET	0.5516481692	0.114051133
## Strength_vdif.H.PET	0.1106566307	0.181295652
## SRE_align.H.PET	0.6177118090	0.285346120
## LRE_align.H.PET	0.4851649602	0.326190842
## RLNU_align.H.PET	-0.1849113366	-0.162734565
## RP_align.H.PET	0.6137857659	0.277916544
## LGRE_align.H.PET	0.2885245879	0.086745822
## HGRE_align.H.PET	0.6793800552	0.414326802
## LGSRE_align.H.PET	0.2878906835	0.087032496
## HGSRE_align.H.PET	0.6795245232	0.413882204
## LGHRE_align.H.PET	0.2921360245	0.086438605
## HGLRE_align.H.PET	0.3965533952	0.268736946
## GLNU_norm_align.H.PET	0.5274257308	0.387471238
## RLNU_norm_align.H.PET	0.5704612046	0.246432373
## GLVAR_align.H.PET	0.4100433914	-0.027530263
## RLVAR_align.H.PET	0.2447898115	0.220191614
## Entropy_align.H.PET	0.4641047722	0.200100774
## SZSE.H.PET	0.4794642253	0.251600051
## LZSE.H.PET	0.0461119984	0.169147084
## LGLZE.H.PET	0.2877166509	0.082853114
## HGLZE.H.PET	0.5780518954	0.511025168
## SZLGE.H.PET	0.2862231747	0.087577049
## SZHGE.H.PET	0.4984999036	0.457040410
## LZLGE.H.PET	0.0802777475	0.146730020
## LZHGE.H.PET	0.0642835815	0.150518315
## GLNU_area.H.PET	-0.1866427471	-0.146269432
## ZSNU.H.PET	-0.1650317650	-0.146231112
## ZSP.H.PET	0.3674158017	0.174322185
## GLNU_norm.H.PET	0.5818945686	0.341890647
## ZSNU_norm.H.PET	0.3840779194	0.216566115
## GLVAR_area.H.PET	0.3697360409	-0.036447592
## ZSVAR_H.PET	0.0493416178	0.149407654
## Entropy_area.H.PET	0.4924062412	0.211285423
## Max_cooc.W.PET	0.3500467891	0.301748973

## Average_cooc.W.PET	0.1921769073	-0.017017640
## Variance_cooc.W.PET	0.0796379160	0.127807743
## Entropy_cooc.W.PET	0.4517004877	0.192472619
## DAVE_cooc.W.PET	0.2918588518	0.142624574
## DVAR_cooc.W.PET	0.1088684020	0.118104742
## DENT_cooc.W.PET	0.4730174230	0.232118661
## SAVE_cooc.W.PET	0.1916382380	-0.017226200
## SVAR_cooc.W.PET	0.0554823880	0.132652453
## SENT_cooc.W.PET	0.5223725539	0.265987242
## ASM_cooc.W.PET	0.3427140880	0.226344473
## Contrast_cooc.W.PET	0.1354160100	0.103582193
## Dissimilarity_cooc.W.PET	0.2918588518	0.142624574
## Inv_diff_cooc.W.PET	0.5747422116	0.322746097
## Inv_diff_norm_cooc.W.PET	0.5959721152	0.311982884
## IDM_cooc.W.PET	0.5070663566	0.302729516
## IDM_norm_cooc.W.PET	0.6231023061	0.316852263
## Inv_var_cooc.W.PET	0.5409259367	0.290251129
## Correlation_cooc.W.PET	0.3491913460	0.331894726
## Autocorrelation_cooc.W.PET	0.0045414050	-0.081666028
## Tendency_cooc.W.PET	0.0554823880	0.132652453
## Shade_cooc.W.PET	-0.0129639572	0.209351598
## Prominence_cooc.W.PET	-0.0542756900	0.085315658
## IC1_d.W.PET	-0.1624043079	-0.325925117
## IC2_d.W.PET	0.5396788306	0.415496531
## Coarseness_vdif.W.PET	0.5113317440	0.185661118
## Contrast_vdif.W.PET	0.4869965257	0.192831162
## Busyness_vdif.W.PET	0.3048954210	0.280032436
## Complexity_vdif.W.PET	-0.1032570094	0.010055976
## Strength_vdif.W.PET	0.2451018721	0.422392972
## SRE_align.W.PET	0.6419699679	0.309427253
## LRE_align.W.PET	0.6124122872	0.348117349
## GLNU_align.W.PET	-0.2007129867	-0.109565123
## RLNU_align.W.PET	-0.1930538220	-0.163058576
## RP_align.W.PET	0.6385179065	0.304067706
## LGRE_align.W.PET	0.5210266112	0.493240380
## HGRE_align.W.PET	-0.0078489348	-0.087980504
## LGSRE_align.W.PET	0.5468496901	0.495352781
## HGSRE_align.W.PET	-0.0074212533	-0.081657963
## LGHRE_align.W.PET	0.3955468521	0.461207240
## HGLRE_align.W.PET	-0.0106819893	-0.115310826
## GLNU_norm_align.W.PET	0.5152216794	0.382066201
## RLNU_norm_align.W.PET	0.6172426093	0.288920105
## GLVAR_align.W.PET	0.0451167916	0.064319167
## RLVAR_align.W.PET	0.3049938019	0.238436986
## Entropy_align.W.PET	0.4708109405	0.193686605
## SZSE.W.PET	0.5813521712	0.286133427
## LZSE.W.PET	0.2243370550	0.209474666
## LGLZE.W.PET	0.5291358162	0.453867472
## HGLZE.W.PET	-0.0047543749	-0.068632145
## SZLGE.W.PET	0.5512157720	0.445971077
## SZHGE.W.PET	-0.0019487423	-0.045596149
## LZLGE.W.PET	0.1329533666	0.278821576
## LZHGE.W.PET	0.0146053541	-0.197284900
## GLNU_area.W.PET	-0.1959407631	-0.127828007

## ZSNU.W.PET	-0.1783749675	-0.153676095	
## ZSP.W.PET	0.5090906059	0.231854862	
## GLNU_norm.W.PET	0.5454411735	0.358451538	
## ZSNU_norm.W.PET	0.5022616359	0.247136798	
## GLVAR_area.W.PET	0.0394695806	0.066160215	
## ZSVAR.W.PET	0.1556173151	0.176912725	
## Entropy_area.W.PET	0.5052716207	0.220603522	
## Min_hist.ADC	0.4136992086	0.196166876	
## Max_hist.ADC	0.4386685729	0.249197004	
## Mean_hist.ADC	0.5554855144	0.341007688	
## Variance_hist.ADC	0.1107991400	0.091636782	
## Standard_Deviation_hist.ADC	0.3358372431	0.196185878	
## Skewness_hist.ADC	0.1371234898	-0.024172200	
## Kurtosis_hist.ADC	0.1570206130	0.226684730	
## Energy_hist.ADC	0.3324674124	0.123773829	
## Entropy_hist.ADC	0.5304054174	0.267273909	
## AUC_hist.ADC	0.6165550846	0.261272864	
## Volume.ADC	-0.1552363979	-0.139094852	
## X3D_surface.ADC	0.0088171067	-0.001021592	
## ratio_3ds_vol.ADC	0.6265344726	0.298755502	
## ratio_3ds_vol_norm.ADC	0.5279682942	0.288776089	
## irregularity.ADC	0.6906123039	0.308297097	
## Compactness_v1.ADC	0.5044884875	0.205033018	
##	Prominence_cooc.L.PET	IC1_.L.PET	IC2_.L.PET
## Failure	0.127982013	-0.0792520825	0.052042552
## Entropy_cooc.W.ADC	-0.149107647	0.0806435385	-0.027194923
## GLNU_align.H.PET	-0.227403539	0.2467869240	-0.116405914
## Min_hist.PET	0.134180476	-0.0589437617	0.384550109
## Max_hist.PET	-0.044003304	0.0580952718	0.340436231
## Mean_hist.PET	0.069692045	-0.0089883129	0.363584641
## Variance_hist.PET	-0.042518833	0.0652576960	0.156006887
## Standard_Deviation_hist.PET	0.067413895	0.0051103784	0.383372023
## Skewness_hist.PET	0.267423795	-0.2002747374	0.490395652
## Kurtosis_hist.PET	-0.171188411	0.1389359956	0.016998212
## Energy_hist.PET	0.307524833	-0.0796097730	0.562180084
## Entropy_hist.PET	0.193150593	-0.0937990665	0.658743370
## AUC_hist.PET	0.447874197	-0.3350914682	0.897175794
## H_suv.PET	0.153406264	-0.0180203580	0.433619027
## Volume.PET	-0.309059749	0.2275448935	0.021508628
## X3D_surface.PET	-0.196378928	0.2006165186	0.072831844
## ratio_3ds_vol.PET	0.608956132	-0.5286141991	0.759893100
## ratio_3ds_vol_norm.PET	0.333220711	-0.1382946879	0.610299206
## irregularity.PET	0.564926587	-0.5102419884	0.947897753
## tumor_length.PET	-0.010298992	0.1402109707	0.403324840
## Compactness_v1.PET	0.171732722	0.0912806005	0.534044360
## Compactness_v2.PET	-0.140851718	0.0509913160	0.026694612
## Spherical_disproportion.PET	0.333220711	-0.1382946879	0.610299206
## Sphericity.PET	-0.131388012	-0.0118586970	0.013834651
## Asphericity.PET	0.324230616	-0.1287531671	0.592271023
## Center_of_mass.PET	0.072772619	-0.0410859899	0.311792520
## Max_3D_diam.PET	-0.220613108	0.1520512411	0.151780445
## Major_axis_length.PET	-0.167165633	0.1628485265	0.214237706
## Minor_axis_length.PET	-0.079774245	0.1599956766	0.362301689
## Least_axis_length.PET	-0.123743077	0.1739264312	0.260716301

## Elongation.PET	0.454174845	-0.3197224092	0.809996775
## Flatness.PET	0.412222682	-0.2717061325	0.720604366
## Max_cooc.L.PET	0.245151638	0.0174183103	0.542563745
## Average_cooc.L.PET	0.625789271	-0.4954384737	0.830896838
## Variance_cooc.L.PET	0.889208949	-0.6927721438	0.810919283
## Entropy_cooc.L.PET	0.466119143	-0.3039745034	0.858210023
## DAVE_cooc.L.PET	0.717263589	-0.5894499133	0.832421771
## DVAR_cooc.L.PET	0.613126780	-0.5329809602	0.748390871
## DENT_cooc.L.PET	0.583164052	-0.4505857800	0.919188587
## SAVE_cooc.L.PET	0.625774528	-0.4957333569	0.830627870
## SVAR_cooc.L.PET	0.938254994	-0.6833276456	0.819116339
## SENT_cooc.L.PET	0.568539307	-0.4172753391	0.935397410
## ASM_cooc.L.PET	0.224043869	0.0592345362	0.510144381
## Contrast_cooc.L.PET	0.691627346	-0.6146006809	0.688658834
## Dissimilarity_cooc.L.PET	0.717263589	-0.5894499133	0.832421771
## Inv_diff_cooc.L.PET	0.118181747	-0.0613964329	0.688700232
## Inv_diff_norm_cooc.L.PET	0.400163368	-0.3040402056	0.872342455
## IDM_cooc.L.PET	0.034487296	0.0181588158	0.607970736
## IDM_norm_cooc.L.PET	0.428606913	-0.3256138244	0.884797472
## Inv_var_cooc.L.PET	0.042870864	0.0245111105	0.608310517
## Correlation_cooc.L.PET	0.263496195	-0.1314041151	0.573822872
## Autocorrelation_cooc.L.PET	0.664435881	-0.5155993427	0.697986094
## Tendency_cooc.L.PET	0.938254994	-0.6833276456	0.819116339
## Shade_cooc.L.PET	0.678951091	-0.4191443749	0.454915932
## Prominence_cooc.L.PET	1.000000000	-0.7008061877	0.691472178
## IC1_.L.PET	-0.700806188	1.0000000000	-0.641053891
## IC2_.L.PET	0.691472178	-0.6410538914	1.000000000
## Coarseness_vdif_.L.PET	0.453480911	-0.2950650867	0.661432003
## Contrast_vdif_.L.PET	0.413844376	-0.5727635887	0.406627391
## Busyness_vdif_.L.PET	-0.286713723	0.2447268589	0.041765989
## Complexity_vdif_.L.PET	0.636980228	-0.5540560723	0.795766756
## Strength_vdif_.L.PET	0.599310378	-0.7537494192	0.560016239
## SRE_align.L.PET	0.478940596	-0.3667887825	0.906229089
## LRE_align.L.PET	0.394027229	-0.3147876160	0.871343746
## GLNU_align.L.PET	-0.359307544	0.2420507522	0.012206722
## RLNU_align.L.PET	-0.331426178	0.2475052220	-0.009702735
## RP_align.L.PET	0.483858762	-0.3704642052	0.908031900
## LGRE_align.L.PET	0.308931142	-0.1659290062	0.623029328
## HGRE_align.L.PET	0.634767302	-0.5225956782	0.708980105
## LGSRE_align.L.PET	0.317539657	-0.1682529974	0.630398847
## HGSRE_align.L.PET	0.640389071	-0.5282545403	0.710491812
## LGHRE_align.L.PET	0.270373490	-0.1529266222	0.589638817
## HGLRE_align.L.PET	0.609077999	-0.4977053278	0.700568480
## GLNU_norm_align.L.PET	0.287219715	-0.1022478285	0.686161445
## RLNU_norm_align.L.PET	0.500430564	-0.3820312857	0.913472615
## GLVAR_align.L.PET	0.848592689	-0.6465205736	0.809640290
## RLVAR_align.L.PET	0.036173535	0.1115439406	0.558431768
## Entropy_align.L.PET	0.466697856	-0.3321592641	0.874009621
## SZSE.L.PET	0.496671869	-0.3702533265	0.894090665
## LZSE.L.PET	0.134137692	-0.1501239667	0.568700335
## LGLZE.L.PET	0.307452303	-0.1684154240	0.633964353
## HGLZE.L.PET	0.640006270	-0.5321733495	0.719534358
## SZLGE.L.PET	0.329912508	-0.1776638350	0.652855280
## SZHGE.L.PET	0.650619959	-0.5412897959	0.719887450

## LZLGE.L.PET	0.144148012	-0.0867119990	0.458657134
## LZHGE.L.PET	0.448654763	-0.3778414235	0.563576206
## GLNU_area.L.PET	-0.350857160	0.2411445453	0.012336819
## ZSNU.L.PET	-0.318459031	0.2471685387	-0.011789678
## ZSP.L.PET	0.517096590	-0.3900010974	0.908032517
## GLNU_norm.L.PET	0.284156405	-0.0961742636	0.685586436
## ZSNU_norm.L.PET	0.532684940	-0.4096596531	0.920272589
## GLVAR_area.L.PET	0.841269526	-0.6470248006	0.818727262
## ZSVAR.L.PET	-0.168382374	0.1225432006	0.296308897
## Entropy_area.L.PET	0.441036157	-0.3090748337	0.862006134
## Max_cooc.H.PET	0.425559710	-0.3754002435	0.454851539
## Average_cooc.H.PET	0.543842661	-0.4484726211	0.918489190
## Variance_cooc.H.PET	0.212096585	-0.1591257813	0.688641636
## Entropy_cooc.H.PET	0.377226158	-0.2384249057	0.698725288
## DAVE_cooc.H.PET	0.334553131	-0.2563150788	0.747345967
## DVAR_cooc.H.PET	0.290298205	-0.2445149356	0.724622752
## DENT_cooc.H.PET	0.207266872	-0.0976925901	0.580357345
## SAVE_cooc.H.PET	0.507420294	-0.3971580293	0.902441697
## SVAR_cooc.H.PET	0.194313918	-0.1181609774	0.672157161
## SENT_cooc.H.PET	0.326844457	-0.1158589017	0.667470888
## ASM_cooc.H.PET	0.361272887	-0.2825224214	0.429011876
## Contrast_cooc.H.PET	0.264624824	-0.2071790250	0.655194158
## Dissimilarity_cooc.H.PET	0.334553131	-0.2563150788	0.747345967
## Inv_diff_cooc.H.PET	0.461493523	-0.3941786592	0.715193646
## Inv_diff_norm_cooc.H.PET	0.475247992	-0.3671624378	0.906816709
## IDM_cooc.H.PET	0.432360945	-0.3775396052	0.634681607
## IDM_norm_cooc.H.PET	0.469954210	-0.3617611738	0.903934512
## Inv_var_cooc.H.PET	0.213510669	0.0748023561	0.582070285
## Correlation_cooc.H.PET	0.226434911	-0.1233881109	0.574370146
## Autocorrelation_cooc.H.PET	0.579966462	-0.4859818217	0.899959342
## Tendency_cooc.H.PET	0.164735842	-0.1189608322	0.645099036
## Shade_cooc.H.PET	0.096650484	-0.0213298744	-0.308495452
## Prominence_cooc.H.PET	-0.040959635	0.0478644163	0.407204578
## IC1_d.H.PET	-0.116341900	0.2770241007	-0.116701750
## IC2_d.H.PET	0.313705040	-0.2303929262	0.703317820
## Coarseness_vdif.H.PET	0.262805028	0.0147291727	0.525939839
## Contrast_vdif.H.PET	0.373301262	-0.5040147229	0.439491169
## Busyness_vdif.H.PET	-0.201670358	0.0515305526	-0.087932440
## Complexity_vdif.H.PET	0.414873224	-0.2519822887	0.714290813
## Strength_vdif.H.PET	0.170820591	-0.1931091887	0.115518605
## SRE_align.H.PET	0.416777183	-0.3054081432	0.855015249
## LRE_align.H.PET	0.402778863	-0.3265834027	0.636283288
## RLNU_align.H.PET	-0.320975803	0.2515226392	-0.010818450
## RP_align.H.PET	0.412882945	-0.3050936182	0.845239347
## LGRE_align.H.PET	0.211462037	0.0806497757	0.513431917
## HGRE_align.H.PET	0.543920530	-0.4848956904	0.891445542
## LGSRE_align.H.PET	0.211689995	0.0810472261	0.511780802
## HGSRE_align.H.PET	0.526056882	-0.4684536998	0.908072218
## LGHRE_align.H.PET	0.210724992	0.0777954750	0.522936346
## HGLRE_align.H.PET	0.355067040	-0.3074182166	0.484465305
## GLNU_norm_align.H.PET	0.521756122	-0.4492149004	0.627712412
## RLNU_norm_align.H.PET	0.370473664	-0.2607397600	0.787554248
## GLVAR_align.H.PET	0.150453023	-0.1048295696	0.639885387
## RLVAR_align.H.PET	0.231287535	-0.1753205012	0.329145167

## Entropy_align.H.PET	0.247081339	-0.1453762283	0.718485921
## SZSE.H.PET	0.295726458	-0.1756417225	0.711546163
## LZSE.H.PET	0.097796232	-0.0695424165	-0.006080087
## LGLZE.H.PET	0.209182824	0.0820955783	0.512969799
## HGLZE.H.PET	0.473783505	-0.3501504868	0.795953393
## SZLGE.H.PET	0.210945715	0.0823336221	0.509016961
## SZHGE.H.PET	0.376780187	-0.3473351876	0.747893992
## LZLGE.H.PET	0.112572033	-0.0847023259	0.074133002
## LZHGE.H.PET	0.110077298	-0.0779819596	0.012855661
## GLNU_area.H.PET	-0.321335004	0.2478703309	0.003848060
## ZSNU.H.PET	-0.291459195	0.2350864959	-0.023930801
## ZSP.H.PET	0.201324707	-0.1054560467	0.538086934
## GLNU_norm.H.PET	0.560832070	-0.4584225647	0.644783923
## ZSNU_norm.H.PET	0.220045956	-0.1095944941	0.586080276
## GLVAR_area.H.PET	0.109431911	-0.0704860154	0.613621584
## ZSVAR_H.PET	0.096055251	-0.0765415570	0.003318513
## Entropy_area.H.PET	0.268529278	-0.1713071207	0.767793835
## Max_cooc.W.PET	0.370183426	-0.2680139361	0.489464729
## Average_cooc.W.PET	0.010071577	0.0386062321	0.349981367
## Variance_cooc.W.PET	0.002720644	0.0321682832	0.175472285
## Entropy_cooc.W.PET	0.242227099	-0.1363171564	0.677535226
## DAVE_cooc.W.PET	0.142989097	-0.0544902606	0.418706374
## DVAR_cooc.W.PET	0.022288475	0.0207493381	0.198990548
## DENT_cooc.W.PET	0.279978917	-0.1710084912	0.685101658
## SAVE_cooc.W.PET	0.009617486	0.0384647817	0.349036289
## SVAR_cooc.W.PET	-0.012193655	0.0396446651	0.156003162
## SENT_cooc.W.PET	0.331324714	-0.1980924060	0.767262876
## ASM_cooc.W.PET	0.331984897	-0.1449541510	0.507678832
## Contrast_cooc.W.PET	0.041248086	0.0096275291	0.210149878
## Dissimilarity_cooc.W.PET	0.142989097	-0.0544902606	0.418706374
## Inv_diff_cooc.W.PET	0.472934099	-0.4092293638	0.773402861
## Inv_diff_norm_cooc.W.PET	0.404270723	-0.3088274504	0.874909604
## IDM_cooc.W.PET	0.440589580	-0.3936929735	0.674752314
## IDM_norm_cooc.W.PET	0.429605064	-0.3273547398	0.885658684
## Inv_var_cooc.W.PET	0.452842802	-0.3877706258	0.724611225
## Correlation_cooc.W.PET	0.254572628	-0.1214667594	0.569243024
## Autocorrelation_cooc.W.PET	-0.120724479	0.1220225902	0.114110636
## Tendency_cooc.W.PET	-0.012193655	0.0396446651	0.156003162
## Shade_cooc.W.PET	0.004512165	-0.0108425707	0.058433766
## Prominence_cooc.W.PET	-0.058571448	0.0260200813	0.010867938
## IC1_d.W.PET	-0.194569524	0.4006228530	-0.170063678
## IC2_d.W.PET	0.412142045	-0.3370844801	0.811427127
## Coarseness_vdif.W.PET	0.470854473	-0.4032302042	0.655377842
## Contrast_vdif.W.PET	0.376072479	-0.2426354157	0.499595827
## Busyness_vdif.W.PET	0.303298370	-0.1445024371	0.196148113
## Complexity_vdif.W.PET	-0.165863577	0.1146895641	0.059505956
## Strength_vdif.W.PET	0.293645110	-0.3213885098	0.348341715
## SRE_align.W.PET	0.444761251	-0.3332447440	0.883949330
## LRE_align.W.PET	0.466770074	-0.3880280230	0.827322005
## GLNU_align.W.PET	-0.315810031	0.2200298328	0.019868238
## RLNU_align.W.PET	-0.327970177	0.2490894235	-0.008812816
## RP_align.W.PET	0.440456516	-0.3299253610	0.878497625
## LGRE_align.W.PET	0.554159879	-0.4359920242	0.610157494
## HGRE_align.W.PET	-0.134981835	0.1287606318	0.109395194

## LGSRE_align.W.PET	0.570888217	-0.4405612162	0.642306181
## HGSRE_align.W.PET	-0.131900783	0.1256273624	0.107711276
## LGHRE_align.W.PET	0.459413198	-0.3730508378	0.450314394
## HGLRE_align.W.PET	-0.149153901	0.1422604522	0.115845468
## GLNU_norm_align.W.PET	0.510225485	-0.4130775856	0.637942580
## RLNU_norm_align.W.PET	0.417669707	-0.3030313146	0.851595483
## GLVAR_align.W.PET	-0.046270050	0.0662298933	0.154611414
## RLVAR_align.W.PET	0.280159066	-0.1951574559	0.419150099
## Entropy_align.W.PET	0.251740808	-0.1546165895	0.721813241
## SZSE.W.PET	0.389844508	-0.2836230791	0.821916262
## LZSE.W.PET	0.246252292	-0.2051886858	0.208492001
## LGLZE.W.PET	0.541750365	-0.4054293937	0.624948237
## HGLZE.W.PET	-0.128740694	0.1186189541	0.116464401
## SZLGE.W.PET	0.544504115	-0.3708887512	0.680539326
## SZHGE.W.PET	-0.117041460	0.1056071780	0.113117710
## LZLGE.W.PET	0.220128058	-0.1601971759	0.082024702
## LZHGE.W.PET	-0.151380361	0.1407319473	0.154068459
## GLNU_area.W.PET	-0.321258354	0.2333888913	0.016083285
## ZSNU.W.PET	-0.309209464	0.2416165264	-0.014205114
## ZSP.W.PET	0.314839856	-0.2209343250	0.736438693
## GLNU_norm.W.PET	0.527068735	-0.4240448473	0.660479242
## ZSNU_norm.W.PET	0.312483643	-0.2253050184	0.736572098
## GLVAR_area.W.PET	-0.051962828	0.0656938059	0.158893007
## ZSVAR.W.PET	0.191837113	-0.1534563007	0.121033893
## Entropy_area.W.PET	0.287114461	-0.1764782938	0.762992734
## Min_hist.ADC	0.396925335	-0.3821085455	0.398637787
## Max_hist.ADC	0.268113999	-0.2002015966	0.715463650
## Mean_hist.ADC	0.428046671	-0.3980234765	0.790332767
## Variance_hist.ADC	0.024410349	0.0271427683	0.329411701
## Standard_Deviation_hist.ADC	0.195398287	-0.1332786773	0.596216728
## Skewness_hist.ADC	0.038320354	0.0541088820	0.148619452
## Kurtosis_hist.ADC	0.131771020	-0.0649835265	0.259292417
## Energy_hist.ADC	0.271398994	0.0187737292	0.538206449
## Entropy_hist.ADC	0.331002748	-0.2222161657	0.791712022
## AUC_hist.ADC	0.408022346	-0.2892923800	0.851614439
## Volume.ADC	-0.300055042	0.1955600629	0.023575264
## X3D_surface.ADC	-0.121879294	0.1828526314	0.188219483
## ratio_3ds_vol.ADC	0.541462152	-0.5200240868	0.752900495
## ratio_3ds_vol_norm.ADC	0.335792240	-0.2789332739	0.789297713
## irregularity.ADC	0.503367417	-0.4328490739	0.910794839
## Compactness_v1.ADC	0.392877650	-0.1109317051	0.734222393
##	Coarseness_vdif_.L.PET	Contrast_vdif_.L.PET	
## Failure	0.093682149	0.068889177	
## Entropy_cooc.W.ADC	-0.057141674	-0.119557218	
## GLNU_align.H.PET	-0.078103906	-0.206244320	
## Min_hist.PET	0.068999848	0.096938427	
## Max_hist.PET	0.015455846	-0.064958476	
## Mean_hist.PET	0.041235239	0.033934932	
## Variance_hist.PET	-0.052344117	-0.099593836	
## Standard_Deviation_hist.PET	0.055838204	-0.033046114	
## Skewness_hist.PET	0.299968510	0.089259455	
## Kurtosis_hist.PET	0.081353853	-0.105581293	
## Energy_hist.PET	0.963456237	0.377970032	
## Entropy_hist.PET	0.213741406	-0.007410318	

## AUC_hist.PET	0.513004937	0.231788138
## H_suv.PET	0.184474869	0.093365733
## Volume.PET	-0.276982319	-0.229186717
## X3D_surface.PET	-0.053603033	-0.194868032
## ratio_3ds_vol.PET	0.786300153	0.481893156
## ratio_3ds_vol_norm.PET	0.580054362	0.076940099
## irregularity.PET	0.560811303	0.364088607
## tumor_length.PET	0.150437829	-0.194580048
## Compactness_v1.PET	0.818800119	0.182768019
## Compactness_v2.PET	-0.294413962	-0.090198379
## Spherical_disproportion.PET	0.580054362	0.076940099
## Sphericity.PET	-0.411530098	-0.083830331
## Asphericity.PET	0.576141111	0.070968316
## Center_of_mass.PET	0.066611182	-0.165416582
## Max_3D_diam.PET	-0.298068742	-0.266832796
## Major_axis_length.PET	-0.173342315	-0.243379072
## Minor_axis_length.PET	-0.035770316	-0.226086115
## Least_axis_length.PET	-0.154995120	-0.239030556
## Elongation.PET	0.516391088	0.287960456
## Flatness.PET	0.389073559	0.275238826
## Max_cooc.L.PET	0.930078736	0.234001331
## Average_cooc.L.PET	0.484752820	0.367303089
## Variance_cooc.L.PET	0.529953247	0.591698114
## Entropy_cooc.L.PET	0.386380224	0.155051152
## DAVE_cooc.L.PET	0.534260699	0.609508029
## DVAR_cooc.L.PET	0.546875178	0.588440947
## DENT_cooc.L.PET	0.494158982	0.344748979
## SAVE_cooc.L.PET	0.483825543	0.367196793
## SVAR_cooc.L.PET	0.497958738	0.438136354
## SENT_cooc.L.PET	0.551673738	0.273141591
## ASM_cooc.L.PET	0.919533932	0.221614801
## Contrast_cooc.L.PET	0.509189942	0.755918164
## Dissimilarity_cooc.L.PET	0.534260699	0.609508029
## Inv_diff_cooc.L.PET	0.438662565	-0.022069213
## Inv_diff_norm_cooc.L.PET	0.457687123	0.166108961
## IDM_cooc.L.PET	0.464651059	-0.050363440
## IDM_norm_cooc.L.PET	0.466372383	0.188691421
## Inv_var_cooc.L.PET	0.460331226	-0.066880388
## Correlation_cooc.L.PET	0.234650840	-0.263175660
## Autocorrelation_cooc.L.PET	0.460503219	0.351850101
## Tendency_cooc.L.PET	0.497958738	0.438136354
## Shade_cooc.L.PET	0.207704047	0.110792652
## Prominence_cooc.L.PET	0.453480911	0.413844376
## IC1_.L.PET	-0.295065087	-0.572763589
## IC2_.L.PET	0.661432003	0.406627391
## Coarseness_vdif_.L.PET	1.000000000	0.436428455
## Contrast_vdif_.L.PET	0.436428455	1.000000000
## Busyness_vdif_.L.PET	-0.215533227	-0.233774856
## Complexity_vdif_.L.PET	0.585149762	0.714898066
## Strength_vdif_.L.PET	0.598600813	0.741040119
## SRE_align.L.PET	0.493616085	0.246161911
## LRE_align.L.PET	0.444873897	0.180978200
## GLNU_align.L.PET	-0.209311731	-0.257371626
## RLNU_align.L.PET	-0.259096879	-0.253831916

## RP_align.L.PET	0.495788084	0.250216254
## LGRE_align.L.PET	0.635156025	0.261680853
## HGRE_align.L.PET	0.479702340	0.413867853
## LGSRE_align.L.PET	0.646795440	0.268069344
## HGSRE_align.L.PET	0.484036357	0.421642119
## LGHRE_align.L.PET	0.586345382	0.232605143
## HGLRE_align.L.PET	0.459888645	0.381120892
## GLNU_norm_align.L.PET	0.856618469	0.278700662
## RLNU_norm_align.L.PET	0.503654340	0.264048020
## GLVAR_align.L.PET	0.516780188	0.542299239
## RLVAR_align.L.PET	0.669062128	0.008714321
## Entropy_align.L.PET	0.409512391	0.170729397
## SZSE.L.PET	0.509453104	0.266084812
## LZSE.L.PET	0.222241004	0.019884435
## LGLZE.L.PET	0.648717189	0.277649535
## HGLZE.L.PET	0.484283001	0.427091504
## SZLGE.L.PET	0.687815152	0.310054783
## SZHGE.L.PET	0.498952119	0.451907619
## LZLGE.L.PET	0.418348814	0.105557413
## LZHGE.L.PET	0.320526303	0.240172093
## GLNU_area.L.PET	-0.213805561	-0.254175363
## ZSNU.L.PET	-0.264389093	-0.247654917
## ZSP.L.PET	0.516029640	0.282846569
## GLNU_norm.L.PET	0.858050691	0.276915449
## ZSNU_norm.L.PET	0.525867990	0.304447484
## GLVAR_area.L.PET	0.523883853	0.546434574
## ZSVAR.L.PET	0.177692879	-0.156673970
## Entropy_area.L.PET	0.394095302	0.145925698
## Max_cooc.H.PET	0.538945043	0.225467079
## Average_cooc.H.PET	0.502210965	0.273870539
## Variance_cooc.H.PET	0.287630333	0.104532475
## Entropy_cooc.H.PET	0.256589075	0.199039930
## DAVE_cooc.H.PET	0.373927339	0.309428674
## DVAR_cooc.H.PET	0.400993007	0.278758038
## DENT_cooc.H.PET	0.158062375	0.087364901
## SAVE_cooc.H.PET	0.457228211	0.225530275
## SVAR_cooc.H.PET	0.274330474	-0.021991198
## SENT_cooc.H.PET	0.539313428	0.158465058
## ASM_cooc.H.PET	0.597111110	0.192032360
## Contrast_cooc.H.PET	0.347542345	0.319049802
## Dissimilarity_cooc.H.PET	0.373927339	0.309428674
## Inv_diff_cooc.H.PET	0.547092617	0.153911963
## Inv_diff_norm_cooc.H.PET	0.496297479	0.214783859
## IDM_cooc.H.PET	0.528289627	0.144403591
## IDM_norm_cooc.H.PET	0.486669864	0.221279503
## Inv_var_cooc_.H.PET	0.768396038	0.106568989
## Correlation_cooc.H.PET	0.230862434	-0.247588739
## Autocorrelation_cooc.H.PET	0.521924804	0.273003408
## Tendency_cooc.H.PET	0.229425338	-0.020718048
## Shade_cooc.H.PET	-0.123934638	0.055774876
## Prominence_cooc.H.PET	0.069515123	-0.128282029
## IC1_d.H.PET	0.339456526	0.282378782
## IC2_d.H.PET	0.312151379	-0.085884653
## Coarseness_vdif.H.PET	0.936395333	0.260573883

## Contrast_vdif.H.PET	0.482648508	0.335500101
## Busyness_vdif.H.PET	-0.428332653	-0.144148059
## Complexity_vdif.H.PET	0.708396107	0.384625723
## Strength_vdif.H.PET	0.203425663	0.212503896
## SRE_align.H.PET	0.446402555	0.250690228
## LRE_align.H.PET	0.371674037	0.066139520
## RLNU_align.H.PET	-0.243510159	-0.233770221
## RP_align.H.PET	0.443587241	0.262077616
## LGRE_align.H.PET	0.902802131	0.197396229
## HGRE_align.H.PET	0.523112755	0.286988956
## LGSRE_align.H.PET	0.903250688	0.198362107
## HGSRE_align.H.PET	0.510537944	0.339124758
## LGHRE_align.H.PET	0.900369114	0.190125419
## HGLRE_align.H.PET	0.313155285	0.045474963
## GLNU_norm_align.H.PET	0.588897229	0.303199062
## RLNU_norm_align.H.PET	0.403431703	0.263326565
## GLVAR_align.H.PET	0.246129370	0.051853769
## RLVAR_align.H.PET	0.228898065	-0.060732364
## Entropy_align.H.PET	0.252810780	0.029496241
## SZSE.H.PET	0.343737874	0.190412361
## LZSE.H.PET	-0.056511409	-0.068250638
## LGLZE.H.PET	0.900330285	0.194649079
## HGLZE.H.PET	0.391356337	0.144490700
## SZLGE.H.PET	0.902004206	0.197523951
## SZHGE.H.PET	0.366523633	0.332692766
## LZLGE.H.PET	0.074121328	-0.065080908
## LZHGE.H.PET	-0.002758620	-0.064803987
## GLNU_area.H.PET	-0.257263277	-0.241333651
## ZSNU.H.PET	-0.233058054	-0.203120862
## ZSP.H.PET	0.227105563	0.174357096
## GLNU_norm.H.PET	0.595082834	0.289481561
## ZSNU_norm.H.PET	0.263270088	0.162382019
## GLVAR_area.H.PET	0.224681040	0.017430210
## ZSVAR_H.PET	-0.025787847	-0.072219499
## Entropy_area.H.PET	0.302126967	0.049003738
## Max_cooc.W.PET	0.716553842	0.259464803
## Average_cooc.W.PET	0.028484686	-0.049646526
## Variance_cooc.W.PET	-0.032156361	-0.079211770
## Entropy_cooc.W.PET	0.228447504	0.086872930
## DAVE_cooc.W.PET	0.100977936	0.086069297
## DVAR_cooc.W.PET	-0.018453106	-0.020987247
## DENT_cooc.W.PET	0.262512706	0.159532520
## SAVE_cooc.W.PET	0.026610358	-0.050088016
## SVAR_cooc.W.PET	-0.039933871	-0.107880965
## SENT_cooc.W.PET	0.368336308	0.126886738
## ASM_cooc.W.PET	0.834314169	0.228929838
## Contrast_cooc.W.PET	-0.010075310	0.002663886
## Dissimilarity_cooc.W.PET	0.100977936	0.086069297
## Inv_diff_cooc.W.PET	0.565290105	0.194575821
## Inv_diff_norm_cooc.W.PET	0.461806662	0.171535975
## IDM_cooc.W.PET	0.544051734	0.162088289
## IDM_norm_cooc.W.PET	0.468098431	0.192862990
## Inv_var_cooc.W.PET	0.566753791	0.180355631
## Correlation_cooc.W.PET	0.228634284	-0.271294891

## Autocorrelation_cooc.W.PET	-0.092293588	-0.129599140
## Tendency_cooc.W.PET	-0.039933871	-0.107880965
## Shade_cooc.W.PET	-0.011174315	-0.085339026
## Prominence_cooc.W.PET	-0.042067757	-0.095489602
## IC1_d.W.PET	0.352533360	0.221444611
## IC2_d.W.PET	0.411577388	0.025582809
## Coarseness_vdif.W.PET	0.979059893	0.568396797
## Contrast_vdif.W.PET	0.320885717	0.343948002
## Busyness_vdif.W.PET	-0.081391649	-0.093674067
## Complexity_vdif.W.PET	-0.075612430	-0.139168541
## Strength_vdif.W.PET	0.284180955	0.178683109
## SRE_align.W.PET	0.468353416	0.244582615
## LRE_align.W.PET	0.463024751	0.139007482
## GLNU_align.W.PET	-0.252010172	-0.280058834
## RLNU_align.W.PET	-0.247336759	-0.243120464
## RP_align.W.PET	0.464856630	0.250240064
## LGRE_align.W.PET	0.550663467	0.323280651
## HGRE_align.W.PET	-0.101709779	-0.127220806
## LGSRE_align.W.PET	0.578562809	0.351740353
## HGSRE_align.W.PET	-0.101252668	-0.123733618
## LGHRE_align.W.PET	0.405097011	0.190367033
## HGLRE_align.W.PET	-0.104630092	-0.143398848
## GLNU_norm_align.W.PET	0.675236058	0.314910153
## RLNU_norm_align.W.PET	0.441669146	0.254175503
## GLVAR_align.W.PET	-0.055091661	-0.100543042
## RLVAR_align.W.PET	0.376641648	-0.023909478
## Entropy_align.W.PET	0.258991657	0.057975375
## SZSE.W.PET	0.439171852	0.254310894
## LZSE.W.PET	0.160547184	-0.035701838
## LGLZE.W.PET	0.562368491	0.284533185
## HGLZE.W.PET	-0.098470576	-0.123445956
## SZLGE.W.PET	0.628682703	0.310344016
## SZHGE.W.PET	-0.094266970	-0.111769674
## LZLGE.W.PET	0.074523915	-0.012255601
## LZHGE.W.PET	-0.074226084	-0.201828146
## GLNU_area.W.PET	-0.253962937	-0.263394350
## ZSNU.W.PET	-0.237611857	-0.220580508
## ZSP.W.PET	0.362807533	0.249554625
## GLNU_norm.W.PET	0.698230366	0.309318806
## ZSNU_norm.W.PET	0.369502314	0.258011064
## GLVAR_area.W.PET	-0.050769452	-0.103292299
## ZSVAR.W.PET	0.114943279	-0.051994292
## Entropy_area.W.PET	0.287633227	0.048885120
## Min_hist.ADC	0.341465610	0.272345119
## Max_hist.ADC	0.336495107	0.141611089
## Mean_hist.ADC	0.430259489	0.305830992
## Variance_hist.ADC	0.198755859	-0.001645479
## Standard_Deviation_hist.ADC	0.316959763	0.097675348
## Skewness_hist.ADC	0.077976619	-0.101456326
## Kurtosis_hist.ADC	0.086427387	-0.040626327
## Energy_hist.ADC	0.928672505	0.236966941
## Entropy_hist.ADC	0.357029345	0.124245336
## AUC_hist.ADC	0.468312817	0.206091608
## Volume.ADC	-0.274345209	-0.210763995

## X3D_surface.ADC	-0.041839576	-0.145478494
## ratio_3ds_vol.ADC	0.611002289	0.444912532
## ratio_3ds_vol_norm.ADC	0.364189212	0.182642336
## irregularity.ADC	0.523046749	0.304332827
## Compactness_v1.ADC	0.898835478	0.262603019
##	Busyness_vdif_.L.PET	Complexity_vdif_.L.PET
## Failure	-1.781479e-01	0.091374601
## Entropy_cooc.W.ADC	1.303911e-01	-0.135990477
## GLNU_align.H.PET	2.577711e-01	-0.200128560
## Min_hist.PET	3.215497e-01	0.407779669
## Max_hist.PET	5.004892e-01	0.253379749
## Mean_hist.PET	3.572391e-01	0.353351863
## Variance_hist.PET	3.172975e-01	0.100549723
## Standard_Deviation_hist.PET	3.992021e-01	0.316431009
## Skewness_hist.PET	2.658227e-01	0.359833826
## Kurtosis_hist.PET	2.501461e-01	-0.042903872
## Energy_hist.PET	-1.132362e-01	0.518074839
## Entropy_hist.PET	5.498813e-01	0.435849736
## AUC_hist.PET	3.368116e-01	0.707498933
## H_suv.PET	2.493342e-01	0.493330843
## Volume.PET	7.532634e-01	-0.100906691
## X3D_surface.PET	7.699186e-01	-0.110309455
## ratio_3ds_vol.PET	-2.431513e-01	0.724300847
## ratio_3ds_vol_norm.PET	1.577240e-01	0.391579219
## irregularity.PET	1.790184e-01	0.788917162
## tumor_length.PET	6.667556e-01	0.134874424
## Compactness_v1.PET	1.227985e-01	0.422413108
## Compactness_v2.PET	3.609837e-01	-0.023738344
## Spherical_disproportion.PET	1.577240e-01	0.391579219
## Sphericity.PET	4.133094e-01	-0.017117733
## Asphericity.PET	1.499999e-01	0.375554378
## Center_of_mass.PET	6.405150e-01	-0.003436703
## Max_3D_diam.PET	8.342316e-01	-0.066438429
## Major_axis_length.PET	8.081021e-01	0.002102380
## Minor_axis_length.PET	8.039309e-01	0.110491074
## Least_axis_length.PET	8.531824e-01	0.009537356
## Elongation.PET	1.437756e-01	0.690474185
## Flatness.PET	2.416628e-01	0.579819876
## Max_cooc.L.PET	-4.155381e-02	0.440672366
## Average_cooc.L.PET	-1.220945e-03	0.750821191
## Variance_cooc.L.PET	-2.142960e-01	0.869250064
## Entropy_cooc.L.PET	3.138780e-01	0.684947095
## DAVE_cooc.L.PET	-1.080884e-01	0.955675862
## DVAR_cooc.L.PET	-6.081883e-02	0.905273817
## DENT_cooc.L.PET	1.845854e-01	0.830293405
## SAVE_cooc.L.PET	-1.156566e-03	0.750627996
## SVAR_cooc.L.PET	-1.714002e-01	0.748855669
## SENT_cooc.L.PET	2.130908e-01	0.760497321
## ASM_cooc.L.PET	-4.185032e-02	0.419265578
## Contrast_cooc.L.PET	-2.535777e-01	0.943395498
## Dissimilarity_cooc.L.PET	-1.080884e-01	0.955675862
## Inv_diff_cooc.L.PET	4.984109e-01	0.364618392
## Inv_diff_norm_cooc.L.PET	3.692176e-01	0.648478647
## IDM_cooc.L.PET	4.917369e-01	0.280255260

## IDM_norm_cooc.L.PET	3.461968e-01	0.675794043
## Inv_var_cooc.L.PET	4.936063e-01	0.277758386
## Correlation_cooc.L.PET	4.501218e-01	0.045723981
## Autocorrelation_cooc.L.PET	-1.615320e-01	0.627498773
## Tendency_cooc.L.PET	-1.714002e-01	0.748855669
## Shade_cooc.L.PET	-4.190886e-02	0.331823453
## Prominence_cooc.L.PET	-2.867137e-01	0.636980228
## IC1_.L.PET	2.447269e-01	-0.554056072
## IC2_.L.PET	4.176599e-02	0.795766756
## Coarseness_vdif_.L.PET	-2.155332e-01	0.585149762
## Contrast_vdif_.L.PET	-2.337749e-01	0.714898066
## Busyness_vdif_.L.PET	1.000000e+00	-0.120890822
## Complexity_vdif_.L.PET	-1.208908e-01	1.000000000
## Strength_vdif_.L.PET	-3.562627e-01	0.640402688
## SRE_align.L.PET	2.986950e-01	0.731906601
## LRE_align.L.PET	3.749881e-01	0.652832981
## GLNU_align.L.PET	9.472565e-01	-0.198024985
## RLNU_align.L.PET	9.154651e-01	-0.189498253
## RP_align.L.PET	2.933678e-01	0.736519206
## LGRE_align.L.PET	1.768633e-01	0.524644298
## HGRE_align.L.PET	-1.449828e-01	0.680291361
## LGSRE_align.L.PET	1.693082e-01	0.535498612
## HGSRE_align.L.PET	-1.507068e-01	0.686868070
## LGHRE_align.L.PET	2.064971e-01	0.477257198
## HGLRE_align.L.PET	-1.207174e-01	0.651396796
## GLNU_norm_align.L.PET	1.287272e-01	0.552265263
## RLNU_norm_align.L.PET	2.747187e-01	0.752043094
## GLVAR_align.L.PET	-1.869357e-01	0.845514188
## RLVAR_align.L.PET	3.494005e-01	0.278239944
## Entropy_align.L.PET	3.148749e-01	0.683012915
## SZSE.L.PET	2.689296e-01	0.741307840
## LZSE.L.PET	3.662975e-01	0.341161555
## LGLZE.L.PET	1.764594e-01	0.537535749
## HGLZE.L.PET	-1.435060e-01	0.695123281
## SZLGE.L.PET	1.492432e-01	0.570557643
## SZHGE.L.PET	-1.532773e-01	0.713599623
## LZLGE.L.PET	2.695143e-01	0.312957871
## LZHGE.L.PET	-6.515346e-02	0.472084209
## GLNU_area.L.PET	9.511335e-01	-0.192103535
## ZSNU.L.PET	9.076287e-01	-0.177992873
## ZSP.L.PET	2.525634e-01	0.763108684
## GLNU_norm.L.PET	1.294100e-01	0.551307555
## ZSNU_norm.L.PET	2.247343e-01	0.787714302
## GLVAR_area.L.PET	-1.842799e-01	0.853423743
## ZSVAR.L.PET	4.286989e-01	0.020517766
## Entropy_area.L.PET	3.438577e-01	0.658502392
## Max_cooc.H.PET	-1.734892e-01	0.278792317
## Average_cooc.H.PET	2.299075e-01	0.727378026
## Variance_cooc.H.PET	3.981896e-01	0.560738245
## Entropy_cooc.H.PET	3.219770e-01	0.628520081
## DAVE_cooc.H.PET	2.554573e-01	0.781693449
## DVAR_cooc.H.PET	2.256776e-01	0.739500369
## DENT_cooc.H.PET	4.184534e-01	0.486279611
## SAVE_cooc.H.PET	2.717093e-01	0.695849820

## SVAR_cooc.H.PET	4.350472e-01	0.428282134
## SENT_cooc.H.PET	1.208071e-01	0.588708987
## ASM_cooc.H.PET	-1.623128e-01	0.255809683
## Contrast_cooc.H.PET	1.932633e-01	0.763344764
## Dissimilarity_cooc.H.PET	2.554573e-01	0.781693449
## Inv_diff_cooc.H.PET	8.285789e-02	0.398957805
## Inv_diff_norm_cooc.H.PET	3.145452e-01	0.688285652
## IDM_cooc.H.PET	2.261188e-02	0.329481686
## IDM_norm_cooc.H.PET	3.187359e-01	0.700131159
## Inv_var_cooc_.H.PET	1.684680e-01	0.430116954
## Correlation_cooc.H.PET	4.549258e-01	0.059416897
## Autocorrelation_cooc.H.PET	1.648557e-01	0.682291065
## Tendency_cooc.H.PET	4.733141e-01	0.401126602
## Shade_cooc.H.PET	-1.220414e-01	-0.147748338
## Prominence_cooc.H.PET	4.815644e-01	0.194218799
## IC1_d.H.PET	-2.495315e-01	0.334094817
## IC2_d.H.PET	4.497327e-01	0.247278498
## Coarseness_vdif.H.PET	-8.345615e-02	0.450045670
## Contrast_vdif.H.PET	-1.782235e-01	0.345141653
## Busyness_vdif.H.PET	6.226723e-01	-0.148171980
## Complexity_vdif.H.PET	-1.190138e-01	0.762373620
## Strength_vdif.H.PET	-1.383600e-01	0.147390708
## SRE_align.H.PET	3.296245e-01	0.744040600
## LRE_align.H.PET	1.216040e-01	0.320166619
## RLNU_align.H.PET	9.068346e-01	-0.156835397
## RP_align.H.PET	3.225934e-01	0.752170843
## LGRE_align.H.PET	-2.430777e-02	0.417218399
## HGRE_align.H.PET	1.957654e-01	0.689300838
## LGSRE_align.H.PET	-2.671062e-02	0.417314079
## HGSRE_align.H.PET	2.431380e-01	0.779280081
## LGHRE_align.H.PET	-1.168060e-02	0.413515710
## HGLRE_align.H.PET	2.491345e-03	0.190881986
## GLNU_norm_align.H.PET	-1.092558e-01	0.459097419
## RLNU_norm_align.H.PET	3.166271e-01	0.744587725
## GLVAR_align.H.PET	4.051032e-01	0.499086669
## RLVAR_align.H.PET	3.216377e-05	0.006717467
## Entropy_align.H.PET	4.641561e-01	0.519358513
## SZSE.H.PET	3.493950e-01	0.662812240
## LZSE.H.PET	-7.571727e-02	-0.135505981
## LGLZE.H.PET	-2.514017e-02	0.415313874
## HGLZE.H.PET	2.855712e-01	0.593354659
## SZLGE.H.PET	-3.044131e-02	0.415627588
## SZHGE.H.PET	2.788541e-01	0.714976954
## LZLGE.H.PET	-7.669951e-02	-0.116096673
## LZHGE.H.PET	-1.004238e-01	-0.132008031
## GLNU_area.H.PET	9.455565e-01	-0.152851682
## ZSNU.H.PET	8.474519e-01	-0.125809040
## ZSP.H.PET	3.079465e-01	0.591991280
## GLNU_norm.H.PET	-1.145557e-01	0.459814626
## ZSNU_norm.H.PET	3.149534e-01	0.602022722
## GLVAR_area.H.PET	3.959344e-01	0.472601895
## ZSVAR_H.PET	-8.689423e-02	-0.142249970
## Entropy_area.H.PET	4.590576e-01	0.539761479
## Max_cooc.W.PET	-1.675451e-01	0.349287165

## Average_cooc.W.PET	3.732060e-01	0.282639384
## Variance_cooc.W.PET	2.980742e-01	0.126276855
## Entropy_cooc.W.PET	4.361913e-01	0.571121671
## DAVE_cooc.W.PET	2.831432e-01	0.469692995
## DVAR_cooc.W.PET	2.219334e-01	0.237339972
## DENT_cooc.W.PET	3.742648e-01	0.639790912
## SAVE_cooc.W.PET	3.733959e-01	0.281861161
## SVAR_cooc.W.PET	3.267288e-01	0.064263703
## SENT_cooc.W.PET	3.841289e-01	0.618654124
## ASM_cooc.W.PET	-1.347247e-01	0.361448593
## Contrast_cooc.W.PET	1.964919e-01	0.276854326
## Dissimilarity_cooc.W.PET	2.831432e-01	0.469692995
## Inv_diff_cooc.W.PET	1.087029e-01	0.482364332
## Inv_diff_norm_cooc.W.PET	3.651715e-01	0.651263166
## IDM_cooc.W.PET	3.626381e-02	0.373819660
## IDM_norm_cooc.W.PET	3.447960e-01	0.677949931
## Inv_var_cooc.W.PET	8.082418e-02	0.424269242
## Correlation_cooc.W.PET	4.558318e-01	0.041488350
## Autocorrelation_cooc.W.PET	3.146363e-01	0.051270118
## Tendency_cooc.W.PET	3.267288e-01	0.064263703
## Shade_cooc.W.PET	2.075947e-01	-0.053139926
## Prominence_cooc.W.PET	1.748101e-01	-0.088795128
## IC1_d.W.PET	-1.807381e-01	0.243911375
## IC2_d.W.PET	3.566938e-01	0.412334683
## Coarseness_vdif.W.PET	-2.389488e-01	0.623374884
## Contrast_vdif.W.PET	-4.122935e-02	0.663539728
## Busyness_vdif.W.PET	2.825412e-01	0.007368593
## Complexity_vdif.W.PET	3.561394e-01	-0.023437418
## Strength_vdif.W.PET	-9.908678e-02	0.312486121
## SRE_align.W.PET	3.251396e-01	0.735119486
## LRE_align.W.PET	2.179738e-01	0.523329701
## GLNU_align.W.PET	8.812534e-01	-0.220525068
## RLNU_align.W.PET	9.157322e-01	-0.173525314
## RP_align.W.PET	3.254356e-01	0.740955238
## LGRE_align.W.PET	-1.058974e-01	0.493953382
## HGRE_align.W.PET	3.241357e-01	0.058041722
## LGSRE_align.W.PET	-9.769165e-02	0.539814565
## HGSRE_align.W.PET	3.192446e-01	0.060745231
## LGHRE_align.W.PET	-1.293501e-01	0.291042629
## HGLRE_align.W.PET	3.436835e-01	0.044277077
## GLNU_norm_align.W.PET	-1.229767e-01	0.478629710
## RLNU_norm_align.W.PET	3.296634e-01	0.745626925
## GLVAR_align.W.PET	3.190476e-01	0.098161295
## RLVAR_align.W.PET	-1.471289e-02	0.089154138
## Entropy_align.W.PET	4.577094e-01	0.547679905
## SZSE.W.PET	3.355274e-01	0.727202221
## LZSE.W.PET	-1.083811e-01	-0.017477554
## LGLZE.W.PET	-1.003399e-01	0.489705816
## HGLZE.W.PET	3.264062e-01	0.063158359
## SZLGE.W.PET	-7.159703e-02	0.573761071
## SZHGE.W.PET	3.126428e-01	0.070061223
## LZLGE.W.PET	-1.252372e-01	-0.043510437
## LZHGE.W.PET	2.936555e-01	-0.028661082
## GLNU_area.W.PET	9.239949e-01	-0.190515108

## ZSNU.W.PET	8.930293e-01	-0.147306635
## ZSP.W.PET	3.513195e-01	0.703512973
## GLNU_norm.W.PET	-1.234881e-01	0.482202751
## ZSNU_norm.W.PET	3.391064e-01	0.709878644
## GLVAR_area.W.PET	3.176583e-01	0.097895703
## ZSVAR.W.PET	-1.288028e-01	-0.073909210
## Entropy_area.W.PET	4.534708e-01	0.551095838
## Min_hist.ADC	-1.310069e-01	0.347483744
## Max_hist.ADC	4.060641e-01	0.563891553
## Mean_hist.ADC	2.397259e-01	0.672034002
## Variance_hist.ADC	3.471014e-01	0.223193020
## Standard_Deviation_hist.ADC	3.809930e-01	0.449016074
## Skewness_hist.ADC	1.810623e-01	0.032301179
## Kurtosis_hist.ADC	1.232250e-01	0.146803463
## Energy_hist.ADC	-6.452216e-02	0.443272995
## Entropy_hist.ADC	3.913071e-01	0.606999526
## AUC_hist.ADC	3.628229e-01	0.678609088
## Volume.ADC	7.333348e-01	-0.080174261
## X3D_surface.ADC	5.516488e-01	0.098088754
## ratio_3ds_vol.ADC	-1.098869e-02	0.654305971
## ratio_3ds_vol_norm.ADC	4.693763e-01	0.619269109
## irregularity.ADC	2.321490e-01	0.749533191
## Compactness_v1.ADC	9.284763e-04	0.599692047
##	Strength_vdif_.L.PET	SRE_align.L.PET
## Failure	0.106599510	0.0074688803
## Entropy_cooc.W.ADC	-0.116857276	0.0198852576
## GLNU_align.H.PET	-0.269743972	-0.0517682913
## Min_hist.PET	0.008496611	0.5311598595
## Max_hist.PET	-0.128715515	0.5390153285
## Mean_hist.PET	-0.076384634	0.5298539614
## Variance_hist.PET	-0.166459129	0.2594779500
## Standard_Deviation_hist.PET	-0.105089300	0.5357091527
## Skewness_hist.PET	0.390028741	0.5313471953
## Kurtosis_hist.PET	0.118763362	0.1413566287
## Energy_hist.PET	0.451184212	0.4559397961
## Entropy_hist.PET	-0.004702253	0.8643670182
## AUC_hist.PET	0.300711890	0.9946710293
## H_suv.PET	-0.021652097	0.5668714435
## Volume.PET	-0.335372703	0.3152252369
## X3D_surface.PET	-0.275662037	0.2110543247
## ratio_3ds_vol.PET	0.721409775	0.5840342422
## ratio_3ds_vol_norm.PET	0.236323796	0.5819215690
## irregularity.PET	0.484030509	0.9716206683
## tumor_length.PET	-0.206874390	0.5908149339
## Compactness_v1.PET	0.211720661	0.5590914664
## Compactness_v2.PET	-0.211847728	0.2273990979
## Spherical_disproportion.PET	0.236323796	0.5819215690
## Sphericity.PET	-0.216892361	0.2262236660
## Asphericity.PET	0.231199912	0.5599925679
## Center_of_mass.PET	-0.102285909	0.3597178980
## Max_3D_diam.PET	-0.366761369	0.4470018234
## Major_axis_length.PET	-0.328569793	0.4931688544
## Minor_axis_length.PET	-0.309064252	0.6448889716
## Least_axis_length.PET	-0.369779851	0.5425029651

## Elongation.PET	0.305189375	0.8584940505
## Flatness.PET	0.209016183	0.7922700245
## Max_cooc.L.PET	0.355348773	0.4778185341
## Average_cooc.L.PET	0.308475111	0.8228172064
## Variance_cooc.L.PET	0.591729664	0.6650698745
## Entropy_cooc.L.PET	0.175797030	0.9810414327
## DAVE_cooc.L.PET	0.541487280	0.7740848298
## DVAR_cooc.L.PET	0.559057257	0.6840863832
## DENT_cooc.L.PET	0.374522475	0.9759767303
## SAVE_cooc.L.PET	0.308245052	0.8226227140
## SVAR_cooc.L.PET	0.526370226	0.6710755210
## SENT_cooc.L.PET	0.350028997	0.9786207717
## ASM_cooc.L.PET	0.308232015	0.4491362754
## Contrast_cooc.L.PET	0.615839989	0.5659295155
## Dissimilarity_cooc.L.PET	0.541487280	0.7740848298
## Inv_diff_cooc.L.PET	0.105721270	0.8414494765
## Inv_diff_norm_cooc.L.PET	0.248750260	0.9912566247
## IDM_cooc.L.PET	0.083301792	0.7506803069
## IDM_norm_cooc.L.PET	0.265924340	0.9961174848
## Inv_var_cooc.L.PET	0.072080597	0.7565145831
## Correlation_cooc.L.PET	-0.037166862	0.6451321203
## Autocorrelation_cooc.L.PET	0.291626917	0.6197477532
## Tendency_cooc.L.PET	0.526370226	0.6710755210
## Shade_cooc.L.PET	0.443509818	0.3296714062
## Prominence_cooc.L.PET	0.599310378	0.4789405963
## IC1_.L.PET	-0.753749419	-0.3667887825
## IC2_.L.PET	0.560016239	0.9062290892
## Coarseness_vdif_.L.PET	0.598600813	0.4936160853
## Contrast_vdif_.L.PET	0.741040119	0.2461619114
## Busyness_vdif_.L.PET	-0.356262736	0.2986949608
## Complexity_vdif_.L.PET	0.640402688	0.7319066011
## Strength_vdif_.L.PET	1.000000000	0.3105283154
## SRE_align.L.PET	0.310528315	1.0000000000
## LRE_align.L.PET	0.247437941	0.9873896641
## GLNU_align.L.PET	-0.357221268	0.2406438046
## RLNU_align.L.PET	-0.404514485	0.2176658635
## RP_align.L.PET	0.314204517	0.9999475765
## LGRE_align.L.PET	0.507001581	0.6293178757
## HGRE_align.L.PET	0.317595541	0.6416313674
## LGSRE_align.L.PET	0.510713220	0.6346764455
## HGSRE_align.L.PET	0.326651027	0.6405058545
## LGHRE_align.L.PET	0.487143103	0.6045775212
## HGLRE_align.L.PET	0.279040253	0.6441761597
## GLNU_norm_align.L.PET	0.435223448	0.6819499135
## RLNU_norm_align.L.PET	0.326184017	0.9991249111
## GLVAR_align.L.PET	0.508703493	0.6913359465
## RLVAR_align.L.PET	0.100022239	0.6349938671
## Entropy_align.L.PET	0.196389924	0.9851902500
## SZSE.L.PET	0.334824140	0.9820934373
## LZSE.L.PET	0.049193585	0.6735202709
## LGLZE.L.PET	0.506895225	0.6411202604
## HGLZE.L.PET	0.330188301	0.6513594581
## SZLGE.L.PET	0.525488439	0.6530711660
## SZHGE.L.PET	0.362274551	0.6491343182

## LZLGE.L.PET	0.356779845	0.4980148349
## LZHGE.L.PET	0.130439629	0.5210711417
## GLNU_area.L.PET	-0.358347955	0.2433846227
## ZSNU.L.PET	-0.402909627	0.2205106184
## ZSP.L.PET	0.350492222	0.9884242539
## GLNU_norm.L.PET	0.428993726	0.6823041710
## ZSNU_norm.L.PET	0.368787051	0.9893028464
## GLVAR_area.L.PET	0.511310393	0.7021458884
## ZSVAR.L.PET	-0.126573724	0.4262471512
## Entropy_area.L.PET	0.171399608	0.9844828738
## Max_cooc.H.PET	0.543545887	0.3159577858
## Average_cooc.H.PET	0.398224656	0.9752415794
## Variance_cooc.H.PET	0.008131721	0.8553968893
## Entropy_cooc.H.PET	0.184016840	0.8359180381
## DAVE_cooc.H.PET	0.190920712	0.8843805365
## DVAR_cooc.H.PET	0.169595670	0.8607843336
## DENT_cooc.H.PET	0.035957678	0.7711029778
## SAVE_cooc.H.PET	0.317536814	0.9803272459
## SVAR_cooc.H.PET	-0.024946152	0.8387749128
## SENT_cooc.H.PET	0.181807308	0.6956192564
## ASM_cooc.H.PET	0.481262706	0.3016510923
## Contrast_cooc.H.PET	0.150168181	0.7919420462
## Dissimilarity_cooc.H.PET	0.190920712	0.8843805365
## Inv_diff_cooc.H.PET	0.415869459	0.6741873172
## Inv_diff_norm_cooc.H.PET	0.312568401	0.9947921183
## IDM_cooc.H.PET	0.415152199	0.5704270647
## IDM_norm_cooc.H.PET	0.304052667	0.9977673295
## Inv_var_cooc.H.PET	0.206505638	0.5964586388
## Correlation_cooc.H.PET	-0.041870264	0.6520054985
## Autocorrelation_cooc.H.PET	0.454424736	0.9183372550
## Tendency_cooc.H.PET	-0.069364574	0.8131728261
## Shade_cooc.H.PET	0.178555160	-0.4112886160
## Prominence_cooc.H.PET	-0.247865882	0.5955294683
## IC1_d.H.PET	0.112966965	-0.0951939768
## IC2_d.H.PET	0.082303260	0.7702036264
## Coarseness_vdif.H.PET	0.360248400	0.4439927480
## Contrast_vdif.H.PET	0.421841524	0.3003478161
## Busyness_vdif.H.PET	-0.250842455	0.1133789940
## Complexity_vdif.H.PET	0.369573527	0.6720381102
## Strength_vdif.H.PET	0.403421517	0.0286197700
## SRE_align.H.PET	0.260497247	0.9743721199
## LRE_align.H.PET	0.262818115	0.6353886592
## RLNU_align.H.PET	-0.391395140	0.2183774585
## RP_align.H.PET	0.262480307	0.9630180049
## LGRE_align.H.PET	0.262442809	0.4663423052
## HGRE_align.H.PET	0.457614425	0.9232740427
## LGSRE_align.H.PET	0.263512658	0.4639942618
## HGSRE_align.H.PET	0.452086324	0.9691738790
## LGHRE_align.H.PET	0.256087391	0.4787458987
## HGLRE_align.H.PET	0.262935469	0.4370302146
## GLNU_norm_align.H.PET	0.564440923	0.5197767883
## RLNU_norm_align.H.PET	0.226069816	0.9134258509
## GLVAR_align.H.PET	-0.054694031	0.8209463121
## RLVAR_align.H.PET	0.125029942	0.2794096469

## Entropy_align.H.PET	0.012098129	0.8968365530
## SZSE.H.PET	0.176249873	0.8603460417
## LZSE.H.PET	-0.001633383	-0.0613778193
## LGLZE.H.PET	0.258180655	0.4669614392
## HGLZE.H.PET	0.327484832	0.8676167791
## SZLGE.H.PET	0.262902380	0.4608332315
## SZHGE.H.PET	0.406170887	0.8368234932
## LZLGE.H.PET	0.014712244	0.0014403501
## LZHGE.H.PET	0.037989856	-0.0513526161
## GLNU_area.H.PET	-0.383145642	0.2552658711
## ZSNU.H.PET	-0.359805375	0.1917001418
## ZSP.H.PET	0.098774251	0.6779181188
## GLNU_norm.H.PET	0.515922480	0.5330919197
## ZSNU_norm.H.PET	0.127341253	0.7282307112
## GLVAR_area.H.PET	-0.087162446	0.7995057488
## ZSVAR_H.PET	0.007088135	-0.0580182840
## Entropy_area.H.PET	0.046665160	0.9428619057
## Max_cooc.W.PET	0.549660254	0.3561009074
## Average_cooc.W.PET	-0.168188266	0.5248198997
## Variance_cooc.W.PET	-0.124313544	0.2600092443
## Entropy_cooc.W.PET	0.026439496	0.8564265714
## DAVE_cooc.W.PET	-0.013094920	0.5554902144
## DVAR_cooc.W.PET	-0.091130283	0.2965869060
## DENT_cooc.W.PET	0.105983592	0.8433864680
## SAVE_cooc.W.PET	-0.168821489	0.5240428516
## SVAR_cooc.W.PET	-0.136864225	0.2328648857
## SENT_cooc.W.PET	0.130519423	0.8955452051
## ASM_cooc.W.PET	0.464191735	0.3923349847
## Contrast_cooc.W.PET	-0.080715332	0.3073127918
## Dissimilarity_cooc.W.PET	-0.013094920	0.5554902144
## Inv_diff_cooc.W.PET	0.406985619	0.7539809699
## Inv_diff_norm_cooc.W.PET	0.254936659	0.9916817162
## IDM_cooc.W.PET	0.405413096	0.6206486068
## IDM_norm_cooc.W.PET	0.268856793	0.9963064936
## Inv_var_cooc.W.PET	0.385950835	0.6909104327
## Correlation_cooc.W.PET	-0.046125856	0.6443741541
## Autocorrelation_cooc.W.PET	-0.241563464	0.2562501821
## Tendency_cooc.W.PET	-0.136864225	0.2328648857
## Shade_cooc.W.PET	-0.053815566	0.0397697610
## Prominence_cooc.W.PET	-0.102408341	0.0076149368
## IC1_d.W.PET	0.008480679	-0.1154465246
## IC2_d.W.PET	0.209989434	0.8408697903
## Coarseness_vdif.W.PET	0.688968383	0.4636887388
## Contrast_vdif.W.PET	0.261417981	0.4973064491
## Busyness_vdif.W.PET	-0.053671780	0.2292954029
## Complexity_vdif.W.PET	-0.190527407	0.1634706976
## Strength_vdif.W.PET	0.482549593	0.2550570938
## SRE_align.W.PET	0.281621955	0.9938039922
## LRE_align.W.PET	0.305518359	0.8644046735
## GLNU_align.W.PET	-0.371501210	0.2465875231
## RLNU_align.W.PET	-0.395490896	0.2183873088
## RP_align.W.PET	0.279719175	0.9897188468
## LGRE_align.W.PET	0.607584954	0.5029056037
## HGRE_align.W.PET	-0.249118929	0.2588288797

## LGSRE_align.W.PET	0.619331099	0.5396146823	
## HGSRE_align.W.PET	-0.243648793	0.2547784522	
## LGHRE_align.W.PET	0.507779766	0.3369185053	
## HGLRE_align.W.PET	-0.273435083	0.2745969090	
## GLNU_norm_align.W.PET	0.588881594	0.5219320423	
## RLNU_norm_align.W.PET	0.257880401	0.9710711978	
## GLVAR_align.W.PET	-0.168295619	0.2591461458	
## RLVAR_align.W.PET	0.198407631	0.3564301663	
## Entropy_align.W.PET	0.026830462	0.8998528548	
## SZSE.W.PET	0.268347382	0.9469856958	
## LZSE.W.PET	0.149756298	0.1251020448	
## LGLZE.W.PET	0.555388231	0.5275045207	
## HGLZE.W.PET	-0.237168100	0.2622149230	
## SZLGE.W.PET	0.561184180	0.6044757875	
## SZHGE.W.PET	-0.214301918	0.2511208415	
## LZLGE.W.PET	0.192529788	-0.0009645221	
## LZHGE.W.PET	-0.326324969	0.2879912495	
## GLNU_area.W.PET	-0.377461549	0.2582983263	
## ZSNU.W.PET	-0.374759232	0.2087264747	
## ZSP.W.PET	0.207562848	0.8761619365	
## GLNU_norm.W.PET	0.568561397	0.5421919037	
## ZSNU_norm.W.PET	0.225979225	0.8706924521	
## GLVAR_area.W.PET	-0.166435093	0.2627512523	
## ZSVAR.W.PET	0.115267770	0.0382585038	
## Entropy_area.W.PET	0.041857353	0.9362896519	
## Min_hist.ADC	0.410664269	0.3438550646	
## Max_hist.ADC	0.184824523	0.8757671422	
## Mean_hist.ADC	0.401575865	0.8676611754	
## Variance_hist.ADC	0.020234251	0.4440825590	
## Standard_Deviation_hist.ADC	0.135210407	0.7210866672	
## Skewness_hist.ADC	-0.110255376	0.2283816436	
## Kurtosis_hist.ADC	0.024618592	0.2692282441	
## Energy_hist.ADC	0.321480607	0.4635127585	
## Entropy_hist.ADC	0.167075052	0.9468867089	
## AUC_hist.ADC	0.240234164	0.9756101731	
## Volume.ADC	-0.313251815	0.3034976117	
## X3D_surface.ADC	-0.210943914	0.4164371550	
## ratio_3ds_vol.ADC	0.514508853	0.6631847630	
## ratio_3ds_vol_norm.ADC	0.221476568	0.9362040832	
## irregularity.ADC	0.351450507	0.9632538973	
## Compactness_v1.ADC	0.354503219	0.6991603676	
##	LRE_align.L.PET	GLNU_align.L.PET	RLNU_align.L.PET
## Failure	-0.020543256	-0.1676459169	-0.1958012175
## Entropy_cooc.W.ADC	0.053061678	0.1590118481	0.1498184564
## GLNU_align.H.PET	0.001625459	0.3026810400	0.2947870886
## Min_hist.PET	0.524019605	0.2957732375	0.3378554017
## Max_hist.PET	0.573979002	0.5098870649	0.5006864303
## Mean_hist.PET	0.532020533	0.3455067112	0.3948245552
## Variance_hist.PET	0.280714353	0.3277311229	0.3621028390
## Standard_Deviation_hist.PET	0.550940114	0.3880282272	0.4157226448
## Skewness_hist.PET	0.555989929	0.1985513219	0.0204235472
## Kurtosis_hist.PET	0.200534046	0.2639430615	0.0438083181
## Energy_hist.PET	0.424488134	-0.1042563198	-0.1593059698
## Entropy_hist.PET	0.891934306	0.5000833260	0.4873412569

## AUC_hist.PET	0.989368565	0.2787998208	0.2445271119
## H_suv.PET	0.550706427	0.2101007024	0.2457303220
## Volume.PET	0.368470758	0.6855164071	0.6812615734
## X3D_surface.PET	0.270452289	0.8576084864	0.8849931231
## ratio_3ds_vol.PET	0.537510753	-0.2246433055	-0.2957045513
## ratio_3ds_vol_norm.PET	0.601223485	0.2347536883	0.1532504914
## irregularity.PET	0.946452276	0.1244397522	0.0890722125
## tumor_length.PET	0.651215283	0.7321454178	0.7167936621
## Compactness_v1.PET	0.543869029	0.0851249373	0.0448485907
## Compactness_v2.PET	0.237783864	0.2714045163	0.3125525753
## Spherical_disproportion.PET	0.601223485	0.2347536883	0.1532504914
## Sphericity.PET	0.237073342	0.2919627857	0.3366780054
## Asphericity.PET	0.579861048	0.2302573618	0.1480529052
## Center_of_mass.PET	0.420589696	0.6583481637	0.6379710987
## Max_3D_diam.PET	0.510469977	0.8019632952	0.8222779908
## Major_axis_length.PET	0.550186552	0.8090658050	0.8404988770
## Minor_axis_length.PET	0.714413633	0.7914174165	0.7664466835
## Least_axis_length.PET	0.614957248	0.8375643328	0.8417349581
## Elongation.PET	0.854620215	0.0988616642	0.0401311911
## Flatness.PET	0.800952205	0.1951646106	0.1587557422
## Max_cooc.L.PET	0.462066899	-0.0292672536	-0.1014784241
## Average_cooc.L.PET	0.762217135	-0.0533814688	0.0226354560
## Variance_cooc.L.PET	0.570447373	-0.3034581459	-0.2509206624
## Entropy_cooc.L.PET	0.966330063	0.2420327027	0.2544074623
## DAVE_cooc.L.PET	0.686668482	-0.2080512479	-0.1672674129
## DVAR_cooc.L.PET	0.613094671	-0.1273064185	-0.1667033371
## DENT_cooc.L.PET	0.938023440	0.1025957541	0.1105723961
## SAVE_cooc.L.PET	0.762021034	-0.0533527774	0.0227629461
## SVAR_cooc.L.PET	0.589127076	-0.2502679775	-0.1950350231
## SENT_cooc.L.PET	0.956455187	0.1624352941	0.1566075767
## ASM_cooc.L.PET	0.432042952	-0.0292557603	-0.0913392254
## Contrast_cooc.L.PET	0.463913272	-0.3470983177	-0.3058921611
## Dissimilarity_cooc.L.PET	0.686668482	-0.2080512479	-0.1672674129
## Inv_diff_cooc.L.PET	0.899217954	0.5088528645	0.4081080057
## Inv_diff_norm_cooc.L.PET	0.996978875	0.3244837665	0.2876260264
## IDM_cooc.L.PET	0.820478965	0.5206821984	0.3978645931
## IDM_norm_cooc.L.PET	0.995823689	0.2962874199	0.2656628314
## Inv_var_cooc.L.PET	0.819058130	0.5213517972	0.4018006416
## Correlation_cooc.L.PET	0.705995178	0.4813380717	0.4437829129
## Autocorrelation_cooc.L.PET	0.545904938	-0.1985592595	-0.1056749241
## Tendency_cooc.L.PET	0.589127076	-0.2502679775	-0.1950350231
## Shade_cooc.L.PET	0.297736824	-0.1302557964	-0.1657521745
## Prominence_cooc.L.PET	0.394027229	-0.3593075441	-0.3314261784
## IC1_.L.PET	-0.314787616	0.2420507522	0.2475052220
## IC2_.L.PET	0.871343746	0.0122067224	-0.0097027349
## Coarseness_vdif_.L.PET	0.444873897	-0.2093117313	-0.2590968791
## Contrast_vdif_.L.PET	0.180978200	-0.2573716265	-0.2538319163
## Busyness_vdif_.L.PET	0.374988104	0.9472565057	0.9154651046
## Complexity_vdif_.L.PET	0.652832981	-0.1980249848	-0.1894982535
## Strength_vdif_.L.PET	0.247437941	-0.3572212676	-0.4045144851
## SRE_align.L.PET	0.987389664	0.2406438046	0.2176658635
## LRE_align.L.PET	1.000000000	0.3332497079	0.2943586603
## GLNU_align.L.PET	0.333249708	1.0000000000	0.9555847555
## RLNU_align.L.PET	0.294358660	0.9555847555	1.0000000000

## RP_align.L.PET	0.986577212	0.2343996612	0.2126309199
## LGRE_align.L.PET	0.641269765	0.1498357200	0.0046522233
## HGRE_align.L.PET	0.565245552	-0.1900532662	-0.0973858448
## LGSRE_align.L.PET	0.644171187	0.1414154073	-0.0008623540
## HGSRE_align.L.PET	0.562100808	-0.1973168655	-0.1057339052
## LGHRE_align.L.PET	0.626579670	0.1834793862	0.0271997365
## HGLRE_align.L.PET	0.576775018	-0.1591795180	-0.0623021515
## GLNU_norm_align.L.PET	0.682905997	0.1262754351	0.0083023828
## RLNU_norm_align.L.PET	0.982555733	0.2127122765	0.1947792147
## GLVAR_align.L.PET	0.600829951	-0.2684446387	-0.2026928645
## RLVAR_align.L.PET	0.688192745	0.3932265603	0.2830733159
## Entropy_align.L.PET	0.973058340	0.2541117993	0.2630699113
## SZSE.L.PET	0.948727763	0.2056783755	0.1867771299
## LZSE.L.PET	0.762803432	0.3728979475	0.3155516500
## LGLZE.L.PET	0.652883621	0.1510498665	0.0052366443
## HGLZE.L.PET	0.574356465	-0.1902042459	-0.0987929639
## SZLGE.L.PET	0.651926929	0.1208755756	-0.0150633786
## SZHGE.L.PET	0.558688989	-0.2051408811	-0.1191418204
## LZLGE.L.PET	0.559525993	0.2630374769	0.0878232021
## LZHGE.L.PET	0.518073895	-0.0760673434	0.0143448875
## GLNU_area.L.PET	0.329114391	0.9977436754	0.9652870883
## ZSNU.L.PET	0.287625725	0.9393348449	0.9965091895
## ZSP.L.PET	0.955174713	0.1846258482	0.1725135344
## GLNU_norm.L.PET	0.682997446	0.1263945675	0.0107545403
## ZSNU_norm.L.PET	0.960952110	0.1546536250	0.1499113989
## GLVAR_area.L.PET	0.612462698	-0.2653287738	-0.2015244811
## ZSVAR.L.PET	0.547927680	0.5051319708	0.3725324718
## Entropy_area.L.PET	0.979080837	0.2873972385	0.2885897691
## Max_cooc.H.PET	0.292029096	-0.1856548286	-0.2465532068
## Average_cooc.H.PET	0.959697850	0.1698820282	0.1339910353
## Variance_cooc.H.PET	0.859166305	0.3704673810	0.3948005603
## Entropy_cooc.H.PET	0.830996885	0.2715176175	0.2542157090
## DAVE_cooc.H.PET	0.853913974	0.1790580082	0.1867964728
## DVAR_cooc.H.PET	0.828343663	0.1517688593	0.1698830984
## DENT_cooc.H.PET	0.776319865	0.3619252546	0.3730766921
## SAVE_cooc.H.PET	0.970659536	0.2078810907	0.1812061989
## SVAR_cooc.H.PET	0.860552308	0.4230021175	0.4405806275
## SENT_cooc.H.PET	0.690619515	0.1597230872	0.1435543043
## ASM_cooc.H.PET	0.277960987	-0.1654835198	-0.2194425587
## Contrast_cooc.H.PET	0.751372013	0.1124156654	0.1354534911
## Dissimilarity_cooc.H.PET	0.853913974	0.1790580082	0.1867964728
## Inv_diff_cooc.H.PET	0.675003234	0.0650190029	0.0043585025
## Inv_diff_norm_cooc.H.PET	0.991004817	0.2647320760	0.2332480871
## IDM_cooc.H.PET	0.570248241	0.0104667557	-0.0522733605
## IDM_norm_cooc.H.PET	0.992815472	0.2668721040	0.2376114478
## Inv_var_cooc.H.PET	0.599579798	0.1774058574	0.1227658800
## Correlation_cooc.H.PET	0.715813574	0.5019502726	0.4777955591
## Autocorrelation_cooc.H.PET	0.901330981	0.1124088847	0.0693338802
## Tendency_cooc.H.PET	0.840559597	0.4767645738	0.4996315553
## Shade_cooc.H.PET	-0.432832232	-0.1969623537	-0.2530617088
## Prominence_cooc.H.PET	0.635681173	0.5216838007	0.5720492300
## IC1_d.H.PET	-0.161258527	-0.3076176771	-0.3024839859
## IC2_d.H.PET	0.820964383	0.4761850133	0.4461967856
## Coarseness_vdif.H.PET	0.419230415	-0.0727811140	-0.1272736613

## Contrast_vdif.H.PET	0.258437396	-0.1851616903	-0.1981673480
## Busyness_vdif.H.PET	0.143423011	0.4478076609	0.4653807381
## Complexity_vdif.H.PET	0.629660236	-0.1045149187	-0.1301353217
## Strength_vdif.H.PET	0.007064760	-0.1371319913	-0.1485705777
## SRE_align.H.PET	0.961752747	0.2690185813	0.2523892236
## LRE_align.H.PET	0.647727664	0.1014191709	0.0606733986
## RLNU_align.H.PET	0.288422439	0.9385562442	0.9852747142
## RP_align.H.PET	0.948301865	0.2612867753	0.2473492023
## LGRE_align.H.PET	0.449102777	-0.0100810920	-0.0579404024
## HGRE_align.H.PET	0.906756789	0.1373812065	0.0923620824
## LGSRE_align.H.PET	0.446420613	-0.0127309318	-0.0606892424
## HGSRE_align.H.PET	0.947591106	0.1708070940	0.1288311628
## LGHRE_align.H.PET	0.464171667	0.0043003680	-0.0432210219
## HGLRE_align.H.PET	0.442612993	0.0017863939	-0.0259120535
## GLNU_norm_align.H.PET	0.490694119	-0.1448252008	-0.2138724641
## RLNU_norm_align.H.PET	0.896435927	0.2538931701	0.2488158574
## GLVAR_align.H.PET	0.831023634	0.3890354300	0.4197404119
## RLVAR_align.H.PET	0.303595977	0.0156554517	-0.0164655035
## Entropy_align.H.PET	0.913446249	0.4325912283	0.4385441124
## SZSE.H.PET	0.839547287	0.2927817303	0.2875222845
## LZSE.H.PET	-0.051000502	-0.0561942706	-0.0579210220
## LGLZE.H.PET	0.450017378	-0.0097545110	-0.0568044494
## HGLZE.H.PET	0.868640097	0.2098889670	0.1604203306
## SZLGE.H.PET	0.442763373	-0.0160614671	-0.0640672429
## SZHGE.H.PET	0.810808523	0.2021291738	0.1576854762
## LZLGE.H.PET	0.019743200	-0.0468521080	-0.0555904630
## LZHGE.H.PET	-0.045600459	-0.0804151456	-0.0800175489
## GLNU_area.H.PET	0.325796629	0.9569389831	0.9740135891
## ZSNU.H.PET	0.244896267	0.8683536006	0.9291150144
## ZSP.H.PET	0.653396521	0.2517604050	0.2681380232
## GLNU_norm.H.PET	0.501376754	-0.1453032217	-0.2045475431
## ZSNU_norm.H.PET	0.715514802	0.2643455109	0.2759700350
## GLVAR_area.H.PET	0.811356575	0.3828514208	0.4107520021
## ZSVAR.H.PET	-0.048678510	-0.0668074563	-0.0692613770
## Entropy_area.H.PET	0.962231993	0.4192144361	0.4076205687
## Max_cooc.W.PET	0.328589834	-0.1729027516	-0.2312644230
## Average_cooc.W.PET	0.538141934	0.3798355238	0.4336589236
## Variance_cooc.W.PET	0.277162814	0.2989888016	0.3272101551
## Entropy_cooc.W.PET	0.862088971	0.3905221217	0.4001093215
## DAVE_cooc.W.PET	0.542372622	0.2412467181	0.2752199724
## DVAR_cooc.W.PET	0.296006264	0.2032304218	0.2372329078
## DENT_cooc.W.PET	0.837340344	0.3179250278	0.3239210108
## SAVE_cooc.W.PET	0.537406926	0.3800033393	0.4339508183
## SVAR_cooc.W.PET	0.259592979	0.3371332446	0.3597159250
## SENT_cooc.W.PET	0.900579985	0.3539628976	0.3457705665
## ASM_cooc.W.PET	0.366805347	-0.1300677720	-0.1890715065
## Contrast_cooc.W.PET	0.297889049	0.1724627045	0.2129964949
## Dissimilarity_cooc.W.PET	0.542372622	0.2412467181	0.2752199724
## Inv_diff_cooc.W.PET	0.751530885	0.0813332503	0.0236887382
## Inv_diff_norm_cooc.W.PET	0.996892804	0.3204736549	0.2835806845
## IDM_cooc.W.PET	0.618786220	0.0193008973	-0.0408686565
## IDM_norm_cooc.W.PET	0.995799796	0.2948956054	0.2642807417
## Inv_var_cooc.W.PET	0.687793778	0.0593581025	-0.0020651285
## Correlation_cooc.W.PET	0.706192056	0.4871344242	0.4497789610

## Autocorrelation_cooc.W.PET	0.278823467	0.3485096899	0.4088970719
## Tendency_cooc.W.PET	0.259592979	0.3371332446	0.3597159250
## Shade_cooc.W.PET	0.074557942	0.2065868264	0.1748506292
## Prominence_cooc.W.PET	0.042652041	0.1855363494	0.1727533599
## IC1_d.W.PET	-0.168046660	-0.2319319076	-0.2332364819
## IC2_d.W.PET	0.870743729	0.3698762738	0.3384458493
## Coarseness_vdif.W.PET	0.409711964	-0.2322367824	-0.2781927236
## Contrast_vdif.W.PET	0.439000473	-0.0973708839	-0.0576099666
## Busyness_vdif.W.PET	0.236187576	0.2108082307	0.2258281303
## Complexity_vdif.W.PET	0.208070806	0.3960799748	0.3803181944
## Strength_vdif.W.PET	0.246574198	-0.0846895694	-0.1588213873
## SRE_align.W.PET	0.983047148	0.2670546321	0.2451344309
## LRE_align.W.PET	0.872492398	0.1853721358	0.1499449739
## GLNU_align.W.PET	0.335663278	0.9053651253	0.8907824143
## RLNU_align.W.PET	0.292546351	0.9538610552	0.9955546919
## RP_align.W.PET	0.978295800	0.2666408656	0.2462286321
## LGRE_align.W.PET	0.474553399	-0.1556614546	-0.2389999860
## HGRE_align.W.PET	0.281674349	0.3551523538	0.4136411245
## LGSRE_align.W.PET	0.508899307	-0.1514297077	-0.2367002020
## HGSRE_align.W.PET	0.276483749	0.3488397173	0.4064776570
## LGHRE_align.W.PET	0.319517434	-0.1604107181	-0.2284528733
## HGLRE_align.W.PET	0.303226400	0.3813899380	0.4436078768
## GLNU_norm_align.W.PET	0.490724886	-0.1534624738	-0.2242578566
## RLNU_norm_align.W.PET	0.958843019	0.2692678920	0.2537977548
## GLVAR_align.W.PET	0.281082588	0.3302178855	0.3638446811
## RLVAR_align.W.PET	0.373800855	-0.0006822394	-0.0413251611
## Entropy_align.W.PET	0.913071158	0.4214145044	0.4264008257
## SZSE.W.PET	0.921329379	0.2750708151	0.2592446415
## LZSE.W.PET	0.141652873	-0.0934436548	-0.1047545547
## LGLZE.W.PET	0.500089403	-0.1484575104	-0.2298368807
## HGLZE.W.PET	0.285670155	0.3561530730	0.4106473400
## SZLGE.W.PET	0.566751539	-0.1284420874	-0.2121539096
## SZHGE.W.PET	0.269360643	0.3386167269	0.3897549872
## LZLGE.W.PET	-0.003714498	-0.1192996676	-0.1355658608
## LZHGE.W.PET	0.363253442	0.3594040858	0.4267607003
## GLNU_area.W.PET	0.336692581	0.9417696866	0.9393322844
## ZSNU.W.PET	0.270504164	0.9221964206	0.9726880517
## ZSP.W.PET	0.854717890	0.2898519988	0.2848932109
## GLNU_norm.W.PET	0.509523594	-0.1526968216	-0.2202947041
## ZSNU_norm.W.PET	0.856493582	0.2799665586	0.2795079623
## GLVAR_area.W.PET	0.286106051	0.3307610724	0.3604267374
## ZSVAR.W.PET	0.048331169	-0.1111338483	-0.1188846887
## Entropy_area.W.PET	0.952639674	0.4160859600	0.4102013373
## Min_hist.ADC	0.308270430	-0.1091442792	-0.1187418437
## Max_hist.ADC	0.887239060	0.3395939264	0.2945355502
## Mean_hist.ADC	0.860152036	0.1943660053	0.1470185481
## Variance_hist.ADC	0.463425679	0.2954293088	0.2557063556
## Standard_Deviation_hist.ADC	0.733234329	0.3151116891	0.2784627278
## Skewness_hist.ADC	0.232560895	0.1606353350	0.1594254465
## Kurtosis_hist.ADC	0.281629739	0.1557721075	0.1322089051
## Energy_hist.ADC	0.440829288	-0.0550811743	-0.1078547142
## Entropy_hist.ADC	0.953681999	0.3386708766	0.3119917641
## AUC_hist.ADC	0.969607371	0.2952883262	0.2754288943
## Volume.ADC	0.353074775	0.6667558330	0.6627800695

## X3D_surface.ADC	0.449581781	0.4714161831	0.4784992312
## ratio_3ds_vol.ADC	0.627442462	-0.0461060380	-0.0724745780
## ratio_3ds_vol_norm.ADC	0.939398256	0.3770479010	0.3453241295
## irregularity.ADC	0.944976460	0.1794633343	0.1590034676
## Compactness_v1.ADC	0.676763677	0.0044714614	-0.0407012701
##	RP_align.L.PET	LGRE_align.L.PET	HGRE_align.L.PET
## Failure	0.0080047222	0.008205698	0.112897886
## Entropy_cooc.W.ADC	0.0183124774	-0.030856099	-0.071402802
## GLNU_align.H.PET	-0.0537309239	0.018892119	-0.172961076
## Min_hist.PET	0.5307151524	0.263137815	0.314227220
## Max_hist.PET	0.5357541982	0.303690977	0.163944254
## Mean_hist.PET	0.5287882354	0.203350539	0.326486909
## Variance_hist.PET	0.2570944974	0.080573719	0.096710818
## Standard_Deviation_hist.PET	0.5337342876	0.248039424	0.268698472
## Skewness_hist.PET	0.5290616936	0.796594459	-0.128776419
## Kurtosis_hist.PET	0.1370976543	0.568677148	-0.370734182
## Energy_hist.PET	0.4569981855	0.671809766	0.354416883
## Entropy_hist.PET	0.8620541599	0.478838104	0.397705677
## AUC_hist.PET	0.9942200768	0.663817902	0.600811234
## H_suv.PET	0.5668688764	0.252210577	0.394271139
## Volume.PET	0.3104845287	0.039313383	-0.057387925
## X3D_surface.PET	0.2064247314	0.142922505	-0.064476298
## ratio_3ds_vol.PET	0.5864224529	0.678353819	0.441944486
## ratio_3ds_vol_norm.PET	0.5798658874	0.651258812	0.246066779
## irregularity.PET	0.9723281947	0.661737090	0.639538333
## tumor_length.PET	0.5861611148	0.400974425	0.159676531
## Compactness_v1.PET	0.5585864330	0.639805914	0.339047419
## Compactness_v2.PET	0.2256611523	-0.084983803	0.075752270
## Spherical_disproportion.PET	0.5798658874	0.651258812	0.246066779
## Sphericity.PET	0.2247748235	-0.152189415	0.074086921
## Asphericity.PET	0.5579074051	0.643179973	0.230193501
## Center_of_mass.PET	0.3553173741	0.285830139	0.010329125
## Max_3D_diam.PET	0.4418430720	0.085924030	0.027816746
## Major_axis_length.PET	0.4883134758	0.147699685	0.081288244
## Minor_axis_length.PET	0.6395987953	0.341572238	0.145294814
## Least_axis_length.PET	0.5372575429	0.211281841	0.120940175
## Elongation.PET	0.8588668779	0.616482447	0.582023678
## Flatness.PET	0.7921850295	0.519324362	0.565825480
## Max_cooc.L.PET	0.4778528390	0.710282370	0.294485169
## Average_cooc.L.PET	0.8262535465	0.244207724	0.955597990
## Variance_cooc.L.PET	0.6706596183	0.328958551	0.840455240
## Entropy_cooc.L.PET	0.9813544173	0.507545463	0.677336245
## DAVE_cooc.L.PET	0.7790911205	0.400060635	0.828818632
## DVAR_cooc.L.PET	0.6879730636	0.507090480	0.668789259
## DENT_cooc.L.PET	0.9777638807	0.555493879	0.739387026
## SAVE_cooc.L.PET	0.8260602034	0.243508489	0.955631937
## SVAR_cooc.L.PET	0.6759008515	0.315745342	0.822621594
## SENT_cooc.L.PET	0.9795261485	0.602017822	0.705459708
## ASM_cooc.L.PET	0.4492217717	0.672342554	0.289958501
## Contrast_cooc.L.PET	0.5719812610	0.305488554	0.755626288
## Dissimilarity_cooc.L.PET	0.7790911205	0.400060635	0.828818632
## Inv_diff_cooc.L.PET	0.8373233606	0.726027710	0.253002732
## Inv_diff_norm_cooc.L.PET	0.9901957057	0.645613236	0.565547383
## IDM_cooc.L.PET	0.7459497021	0.748363747	0.147681940

## IDM_norm_cooc.L.PET	0.9954383839	0.636058291	0.594738807
## Inv_var_cooc.L.PET	0.7514639591	0.739135407	0.150660972
## Correlation_cooc.L.PET	0.6409155575	0.431203754	0.231247801
## Autocorrelation_cooc.L.PET	0.6241361278	0.061265137	0.989678332
## Tendency_cooc.L.PET	0.6759008515	0.315745342	0.822621594
## Shade_cooc.L.PET	0.3312285450	0.431594368	0.009299922
## Prominence_cooc.L.PET	0.4838587624	0.308931142	0.634767302
## IC1_.L.PET	-0.3704642052	-0.165929006	-0.522595678
## IC2_.L.PET	0.9080319002	0.623029328	0.708980105
## Coarseness_vdif_.L.PET	0.4957880844	0.635156025	0.479702340
## Contrast_vdif_.L.PET	0.2502162544	0.261680853	0.413867853
## Busyness_vdif_.L.PET	0.2933678460	0.176863315	-0.144982787
## Complexity_vdif_.L.PET	0.7365192065	0.524644298	0.680291361
## Strength_vdif_.L.PET	0.3142045172	0.507001581	0.317595541
## SRE_align.L.PET	0.9999475765	0.629317876	0.641631367
## LRE_align.L.PET	0.9865772125	0.641269765	0.565245552
## GLNU_align.L.PET	0.2343996612	0.149835720	-0.190053266
## RLNU_align.L.PET	0.2126309199	0.004652223	-0.097385845
## RP_align.L.PET	1.0000000000	0.627625022	0.646159875
## LGRE_align.L.PET	0.6276250223	1.0000000000	0.078259103
## HGRE_align.L.PET	0.6461598751	0.078259103	1.0000000000
## LGSRE_align.L.PET	0.6330876604	0.999746408	0.091030060
## HGSRE_align.L.PET	0.6450602637	0.081671184	0.999836882
## LGHRE_align.L.PET	0.6024564323	0.995873403	0.026542662
## HGLRE_align.L.PET	0.6486042198	0.064237935	0.997071902
## GLNU_norm_align.L.PET	0.6807933793	0.875820099	0.286239112
## RLNU_norm_align.L.PET	0.9994934343	0.622022497	0.661281378
## GLVAR_align.L.PET	0.6966730616	0.285497429	0.902886324
## RLVAR_align.L.PET	0.6311440884	0.747639661	0.169328855
## Entropy_align.L.PET	0.9853523579	0.512167664	0.689763451
## SZSE.L.PET	0.9815045710	0.618654318	0.650469517
## LZSE.L.PET	0.6739736057	0.469233330	0.279700122
## LGLZE.L.PET	0.6394792357	0.997960523	0.097094245
## HGLZE.L.PET	0.6559305958	0.089059660	0.999129873
## SZLGE.L.PET	0.6514889423	0.988440722	0.141238968
## SZHGE.L.PET	0.6532168550	0.107418915	0.986568240
## LZLGE.L.PET	0.4956133016	0.915043255	-0.105320136
## LZHGE.L.PET	0.5264802265	0.008019716	0.817522962
## GLNU_area.L.PET	0.2370888610	0.135165784	-0.176378151
## ZSNU.L.PET	0.2154818570	-0.012940615	-0.076717594
## ZSP.L.PET	0.9884802864	0.611677660	0.672459851
## GLNU_norm.L.PET	0.6811634707	0.871793223	0.288617697
## ZSNU_norm.L.PET	0.9903549808	0.604737691	0.696503090
## GLVAR_area.L.PET	0.7074405775	0.294140890	0.903790910
## ZSVAR.L.PET	0.4223888986	0.489295876	-0.054057688
## Entropy_area.L.PET	0.9842374272	0.522265928	0.661474596
## Max_cooc.H.PET	0.3170464127	0.448048729	0.213242602
## Average_cooc.H.PET	0.9756011846	0.644989547	0.625463400
## Variance_cooc.H.PET	0.8547073251	0.350037948	0.618894598
## Entropy_cooc.H.PET	0.8353442274	0.528567226	0.481075673
## DAVE_cooc.H.PET	0.8856501752	0.441903526	0.665728411
## DVAR_cooc.H.PET	0.8622937501	0.361190603	0.711711138
## DENT_cooc.H.PET	0.7702296862	0.398517730	0.382091958
## SAVE_cooc.H.PET	0.9803259417	0.612418249	0.618397072

## SVAR_cooc.H.PET	0.8370999055	0.379348703	0.514472782
## SENT_cooc.H.PET	0.6957097026	0.552095927	0.464468032
## ASM_cooc.H.PET	0.3026143202	0.430319773	0.234060752
## Contrast_cooc.H.PET	0.7938927976	0.331881743	0.670883738
## Dissimilarity_cooc.H.PET	0.8856501752	0.441903526	0.665728411
## Inv_diff_cooc.H.PET	0.6738401431	0.561650274	0.402983156
## Inv_diff_norm_cooc.H.PET	0.9943414629	0.651072072	0.606936176
## IDM_cooc.H.PET	0.5702597540	0.507482465	0.346112153
## IDM_norm_cooc.H.PET	0.9973861029	0.644577510	0.612982518
## Inv_var_cooc_.H.PET	0.5950707423	0.719764166	0.254807083
## Correlation_cooc.H.PET	0.6477388166	0.422972530	0.251373547
## Autocorrelation_cooc.H.PET	0.9188554425	0.644022069	0.592767999
## Tendency_cooc.H.PET	0.8111186006	0.328468096	0.535464480
## Shade_cooc.H.PET	-0.4104057352	0.025651248	-0.464679650
## Prominence_cooc.H.PET	0.5928395456	0.121641661	0.413935710
## IC1_d.H.PET	-0.0915113997	0.109870374	0.057500575
## IC2_d.H.PET	0.7666314119	0.521088634	0.336187972
## Coarseness_vdif.H.PET	0.4445662458	0.668890982	0.314435124
## Contrast_vdif.H.PET	0.3030072878	0.087966538	0.540339330
## Busyness_vdif.H.PET	0.1109328948	-0.118647010	-0.101622753
## Complexity_vdif.H.PET	0.6747219941	0.533671835	0.612728455
## Strength_vdif.H.PET	0.0298439254	0.211211649	0.026450724
## SRE_align.H.PET	0.9743098506	0.608830772	0.614706453
## LRE_align.H.PET	0.6351481464	0.420730906	0.382982222
## RLNU_align.H.PET	0.2136331994	-0.000738331	-0.078274180
## RP_align.H.PET	0.9631206037	0.597121103	0.617386071
## LGRE_align.H.PET	0.4664024486	0.632702317	0.323408262
## HGRE_align.H.PET	0.9237066934	0.637942935	0.587366142
## LGSRE_align.H.PET	0.4640711731	0.632602968	0.322111464
## HGSRE_align.H.PET	0.9697293114	0.670903713	0.602038547
## LGHRE_align.H.PET	0.4787176569	0.633590690	0.329157136
## HGLRE_align.H.PET	0.4369888153	0.299182019	0.296428001
## GLNU_norm_align.H.PET	0.5212123761	0.536251053	0.359240464
## RLNU_norm_align.H.PET	0.9137197053	0.557079229	0.591653549
## GLVAR_align.H.PET	0.8199133016	0.303503944	0.592540649
## RLVAR_align.H.PET	0.2785283455	0.224952986	0.132434089
## Entropy_align.H.PET	0.8950067781	0.461539089	0.511705451
## SZSE.H.PET	0.8591763098	0.547781696	0.494429590
## LZSE.H.PET	-0.0618965167	-0.075653528	-0.047583136
## LGLZE.H.PET	0.4670099204	0.626892049	0.326610487
## HGLZE.H.PET	0.8674089683	0.649651409	0.406156181
## SZLGE.H.PET	0.4608960799	0.629010880	0.320436067
## SZHGE.H.PET	0.8360422099	0.663564860	0.385726060
## LZLGE.H.PET	0.0008608404	-0.002420186	0.014610810
## LZHGE.H.PET	-0.0516321803	-0.056779527	-0.011704717
## GLNU_area.H.PET	0.2500070637	0.061499679	-0.104312978
## ZSNU.H.PET	0.1874128191	-0.040242570	-0.052152599
## ZSP.H.PET	0.6777338988	0.386205994	0.415732822
## GLNU_norm.H.PET	0.5347958167	0.476767017	0.435816774
## ZSNU_norm.H.PET	0.7280158800	0.457209275	0.412670216
## GLVAR_area.H.PET	0.7983608465	0.281615094	0.554977815
## ZSVAR_H.PET	-0.0585364162	-0.070748847	-0.026347909
## Entropy_area.H.PET	0.9410219553	0.521666061	0.520923566
## Max_cooc.W.PET	0.3572648993	0.551072488	0.247731235

## Average_cooc.W.PET	0.5230436862	0.133713101	0.347194016
## Variance_cooc.W.PET	0.2579028525	0.109466817	0.087894192
## Entropy_cooc.W.PET	0.8552648006	0.443281282	0.498816066
## DAVE_cooc.W.PET	0.5553054069	0.247807484	0.352189406
## DVAR_cooc.W.PET	0.2956087682	0.099983925	0.150895211
## DENT_cooc.W.PET	0.8429276698	0.477117177	0.497289745
## SAVE_cooc.W.PET	0.5222657953	0.132407996	0.346667392
## SVAR_cooc.W.PET	0.2301886491	0.113893622	0.045299671
## SENT_cooc.W.PET	0.8945341973	0.553392831	0.522372586
## ASM_cooc.W.PET	0.3931364172	0.593158867	0.289113092
## Contrast_cooc.W.PET	0.3068862917	0.087279776	0.191200975
## Dissimilarity_cooc.W.PET	0.5553054069	0.247807484	0.352189406
## Inv_diff_cooc.W.PET	0.7539523981	0.575137478	0.484555026
## Inv_diff_norm_cooc.W.PET	0.9906554327	0.646826864	0.568531575
## IDM_cooc.W.PET	0.6206879885	0.505646816	0.408017209
## IDM_norm_cooc.W.PET	0.9956425686	0.636838645	0.596032833
## Inv_var_cooc.W.PET	0.6906963081	0.535651757	0.455697559
## Correlation_cooc.W.PET	0.6401075436	0.431084032	0.225703054
## Autocorrelation_cooc.W.PET	0.2538298566	-0.026892972	0.158758855
## Tendency_cooc.W.PET	0.2301886491	0.113893622	0.045299671
## Shade_cooc.W.PET	0.0369038350	0.135478819	-0.134827308
## Prominence_cooc.W.PET	0.0047304114	0.061392621	-0.102606605
## IC1_d.W.PET	-0.1126546981	0.108574283	0.015265372
## IC2_d.W.PET	0.8385178230	0.581059045	0.430283419
## Coarseness_vdif.W.PET	0.4663137859	0.588835383	0.507562197
## Contrast_vdif.W.PET	0.5000956747	0.302371264	0.500281552
## Busyness_vdif.W.PET	0.2290582023	0.054889405	0.114172852
## Complexity_vdif.W.PET	0.1596071291	0.093602504	-0.060995394
## Strength_vdif.W.PET	0.2549936446	0.503588807	0.011467873
## SRE_align.W.PET	0.9936092701	0.625946756	0.624213879
## LRE_align.W.PET	0.8641944648	0.555878384	0.537564552
## GLNU_align.W.PET	0.2410290770	0.117494760	-0.164112752
## RLNU_align.W.PET	0.2134212085	0.008524861	-0.092458064
## RP_align.W.PET	0.9896082038	0.621263541	0.624942800
## LGRE_align.W.PET	0.5042443654	0.660849606	0.247815751
## HGRE_align.W.PET	0.2563731410	-0.028765923	0.152486228
## LGSRE_align.W.PET	0.5410380516	0.695143874	0.272752255
## HGSRE_align.W.PET	0.2523601785	-0.027711032	0.148882787
## LGHRE_align.W.PET	0.3378110087	0.489674170	0.138595630
## HGLRE_align.W.PET	0.2720099435	-0.033929913	0.166135529
## GLNU_norm_align.W.PET	0.5233896376	0.590281128	0.358681502
## RLNU_norm_align.W.PET	0.9710759537	0.605353139	0.612992035
## GLVAR_align.W.PET	0.2567217517	0.079783785	0.094098895
## RLVAR_align.W.PET	0.3558287566	0.320036799	0.200944167
## Entropy_align.W.PET	0.8982481952	0.465280223	0.521339654
## SZSE.W.PET	0.9459673315	0.605212779	0.582359427
## LZSE.W.PET	0.1262925990	0.067883481	0.135225943
## LGLZE.W.PET	0.5288694976	0.638666081	0.279621552
## HGLZE.W.PET	0.2597160074	-0.014371485	0.143197844
## SZLGE.W.PET	0.6054608521	0.713265649	0.318711429
## SZHGE.W.PET	0.2485782228	-0.007050616	0.130830837
## LZLGE.W.PET	-0.0006623686	0.069870106	-0.011010696
## LZHGE.W.PET	0.2873033261	-0.059678243	0.214419647
## GLNU_area.W.PET	0.2525658774	0.099201329	-0.137369000

## ZSNU.W.PET	0.2039475407	-0.010662643	-0.072042869
## ZSP.W.PET	0.8755304524	0.542144135	0.535305003
## GLNU_norm.W.PET	0.5437500310	0.564055177	0.409172581
## ZSNU_norm.W.PET	0.8706115454	0.550074633	0.526646677
## GLVAR_area.W.PET	0.2602536366	0.087681071	0.087333582
## ZSVAR.W.PET	0.0390238798	0.012661977	0.076709932
## Entropy_area.W.PET	0.9345900847	0.504243976	0.532165261
## Min_hist.ADC	0.3455270054	0.186094014	0.398465463
## Max_hist.ADC	0.8742760239	0.587003744	0.429139809
## Mean_hist.ADC	0.8678574600	0.598377776	0.503969947
## Variance_hist.ADC	0.4420366876	0.414816541	0.099051335
## Standard_Deviation_hist.ADC	0.7194897542	0.541610351	0.316335647
## Skewness_hist.ADC	0.2271417630	0.062179697	0.182067499
## Kurtosis_hist.ADC	0.2686136400	0.184247637	0.087002318
## Energy_hist.ADC	0.4640109154	0.654398663	0.336612290
## Entropy_hist.ADC	0.9456222842	0.582157428	0.518812259
## AUC_hist.ADC	0.9750860435	0.600074912	0.618861796
## Volume.ADC	0.2989616388	0.038660959	-0.055549291
## X3D_surface.ADC	0.4131215386	0.216407213	0.060435945
## ratio_3ds_vol.ADC	0.6653218358	0.502725070	0.579650135
## ratio_3ds_vol_norm.ADC	0.9349886064	0.591303722	0.505067773
## irregularity.ADC	0.9638068625	0.593100980	0.671899669
## Compactness_v1.ADC	0.6997914306	0.714654206	0.498494942
##	LGSRE_align.L.PET	HGSRE_align.L.PET	
## Failure	0.009876577	0.115099229	
## Entropy_cooc.W.ADC	-0.032986250	-0.074295082	
## GLNU_align.H.PET	0.015873691	-0.177774658	
## Min_hist.PET	0.267408603	0.312743366	
## Max_hist.PET	0.303168223	0.160040485	
## Mean_hist.PET	0.207182527	0.323443044	
## Variance_hist.PET	0.080256676	0.093769061	
## Standard_Deviation_hist.PET	0.249886796	0.265515188	
## Skewness_hist.PET	0.789691545	-0.123857091	
## Kurtosis_hist.PET	0.557000782	-0.368942313	
## Energy_hist.PET	0.682805738	0.357525491	
## Entropy_hist.PET	0.479463409	0.392776014	
## AUC_hist.PET	0.668536861	0.599479762	
## H_suv.PET	0.258541766	0.393196414	
## Volume.PET	0.034110003	-0.062881700	
## X3D_surface.PET	0.139830558	-0.070880544	
## ratio_3ds_vol.PET	0.685534549	0.447949563	
## ratio_3ds_vol_norm.PET	0.654424350	0.244723097	
## irregularity.PET	0.667027194	0.640679020	
## tumor_length.PET	0.399366018	0.152342994	
## Compactness_v1.PET	0.649424094	0.339621083	
## Compactness_v2.PET	-0.087880300	0.073561240	
## Spherical_disproportion.PET	0.654424350	0.244723097	
## Sphericity.PET	-0.156487677	0.072002284	
## Asphericity.PET	0.646260487	0.228878867	
## Center_of_mass.PET	0.280302741	0.005825568	
## Max_3D_diam.PET	0.080036581	0.020659681	
## Major_axis_length.PET	0.144321060	0.074040466	
## Minor_axis_length.PET	0.337712020	0.137331325	
## Least_axis_length.PET	0.206453049	0.112085849	

## Elongation.PET	0.620808008	0.580751059
## Flatness.PET	0.522186675	0.562402079
## Max_cooc.L.PET	0.719465989	0.296172589
## Average_cooc.L.PET	0.255903944	0.954406949
## Variance_cooc.L.PET	0.340797412	0.845852130
## Entropy_cooc.L.PET	0.513586000	0.674830450
## DAVE_cooc.L.PET	0.411959152	0.834034787
## DVAR_cooc.L.PET	0.515477174	0.675747860
## DENT_cooc.L.PET	0.563220426	0.739869768
## SAVE_cooc.L.PET	0.255196527	0.954438694
## SVAR_cooc.L.PET	0.326426218	0.825975900
## SENT_cooc.L.PET	0.609267501	0.704381956
## ASM_cooc.L.PET	0.682454673	0.291436424
## Contrast_cooc.L.PET	0.317570603	0.763540712
## Dissimilarity_cooc.L.PET	0.411959152	0.834034787
## Inv_diff_cooc.L.PET	0.724313630	0.247947766
## Inv_diff_norm_cooc.L.PET	0.649117377	0.563042925
## IDM_cooc.L.PET	0.745534414	0.142443477
## IDM_norm_cooc.L.PET	0.640211039	0.592586918
## Inv_var_cooc.L.PET	0.736881481	0.146152477
## Correlation_cooc.L.PET	0.428704228	0.223343794
## Autocorrelation_cooc.L.PET	0.073783469	0.988675454
## Tendency_cooc.L.PET	0.326426218	0.825975900
## Shade_cooc.L.PET	0.431648893	0.015802846
## Prominence_cooc.L.PET	0.317539657	0.640389071
## IC1_.L.PET	-0.168252997	-0.528254540
## IC2_.L.PET	0.630398847	0.710491812
## Coarseness_vdif_.L.PET	0.646795440	0.484036357
## Contrast_vdif_.L.PET	0.268069344	0.421642119
## Busyness_vdif_.L.PET	0.169308154	-0.150706845
## Complexity_vdif_.L.PET	0.535498612	0.686868070
## Strength_vdif_.L.PET	0.510713220	0.326651027
## SRE_align.L.PET	0.634676445	0.640505855
## LRE_align.L.PET	0.644171187	0.562100808
## GLNU_align.L.PET	0.141415407	-0.197316866
## RLNU_align.L.PET	-0.000862354	-0.105733905
## RP_align.L.PET	0.633087660	0.645060264
## LGRE_align.L.PET	0.999746408	0.081671184
## HGRE_align.L.PET	0.091030060	0.999836882
## LGSRE_align.L.PET	1.000000000	0.094534040
## HGSRE_align.L.PET	0.094534040	1.000000000
## LGHRE_align.L.PET	0.993588517	0.029541476
## HGLRE_align.L.PET	0.076559545	0.995532240
## GLNU_norm_align.L.PET	0.881062379	0.288086237
## RLNU_norm_align.L.PET	0.627868126	0.660355060
## GLVAR_align.L.PET	0.298000488	0.906596917
## RLVAR_align.L.PET	0.749319106	0.165095858
## Entropy_align.L.PET	0.518131713	0.687060838
## SZSE.L.PET	0.625429628	0.651639569
## LZSE.L.PET	0.465018385	0.269528322
## LGLZE.L.PET	0.998205745	0.100377311
## HGLZE.L.PET	0.101811573	0.999249405
## SZLGE.L.PET	0.990517752	0.145428950
## SZHGE.L.PET	0.120786993	0.988744619

## LZLGE.L.PET	0.907263140	-0.105520623
## LZHGE.L.PET	0.015415540	0.809262881
## GLNU_area.L.PET	0.127385747	-0.183204390
## ZSNU.L.PET	-0.017684559	-0.084393296
## ZSP.L.PET	0.618682888	0.673317975
## GLNU_norm.L.PET	0.877215258	0.290390397
## ZSNU_norm.L.PET	0.611749748	0.696495210
## GLVAR_area.L.PET	0.306630788	0.907573730
## ZSVAR.L.PET	0.480867094	-0.064183434
## Entropy_area.L.PET	0.527506487	0.658358802
## Max_cooc.H.PET	0.448847880	0.216549830
## Average_cooc.H.PET	0.649227701	0.624998138
## Variance_cooc.H.PET	0.355608286	0.614446517
## Entropy_cooc.H.PET	0.530921561	0.479901323
## DAVE_cooc.H.PET	0.449801820	0.665804525
## DVAR_cooc.H.PET	0.369614817	0.711100612
## DENT_cooc.H.PET	0.401538071	0.379853493
## SAVE_cooc.H.PET	0.616713749	0.616986204
## SVAR_cooc.H.PET	0.383662149	0.508539801
## SENT_cooc.H.PET	0.559761792	0.462841618
## ASM_cooc.H.PET	0.431986927	0.236654501
## Contrast_cooc.H.PET	0.340791003	0.671541607
## Dissimilarity_cooc.H.PET	0.449801820	0.665804525
## Inv_diff_cooc.H.PET	0.562874739	0.402025936
## Inv_diff_norm_cooc.H.PET	0.655330954	0.605184614
## IDM_cooc.H.PET	0.508273136	0.345530656
## IDM_norm_cooc.H.PET	0.649060741	0.611299690
## Inv_var_cooc.H.PET	0.727080719	0.254733344
## Correlation_cooc.H.PET	0.420900706	0.242816152
## Autocorrelation_cooc.H.PET	0.647464073	0.592627688
## Tendency_cooc.H.PET	0.331735456	0.528655518
## Shade_cooc.H.PET	0.022313813	-0.456185326
## Prominence_cooc.H.PET	0.123626648	0.405266186
## IC1_d.H.PET	0.119443936	0.064684845
## IC2_d.H.PET	0.520429606	0.329316637
## Coarseness_vdif.H.PET	0.679354611	0.316523117
## Contrast_vdif.H.PET	0.093724561	0.542386160
## Busyness_vdif.H.PET	-0.125272354	-0.103787424
## Complexity_vdif.H.PET	0.545045979	0.614577934
## Strength_vdif.H.PET	0.207041742	0.029602658
## SRE_align.H.PET	0.614465876	0.613819672
## LRE_align.H.PET	0.420972801	0.380012806
## RLNU_align.H.PET	-0.005458907	-0.086031270
## RP_align.H.PET	0.602995991	0.616729221
## LGRE_align.H.PET	0.643436658	0.324201900
## HGRE_align.H.PET	0.641099149	0.587793162
## LGSRE_align.H.PET	0.643358464	0.322952930
## HGSRE_align.H.PET	0.674984153	0.603501228
## LGHRE_align.H.PET	0.644138610	0.329596008
## HGLRE_align.H.PET	0.298511013	0.293822640
## GLNU_norm_align.H.PET	0.538928730	0.362301862
## RLNU_norm_align.H.PET	0.563267873	0.591303019
## GLVAR_align.H.PET	0.308662543	0.587088819
## RLVAR_align.H.PET	0.223437969	0.128616565

## Entropy_align.H.PET	0.464710011	0.507022294
## SZSE.H.PET	0.553184835	0.495227262
## LZSE.H.PET	-0.078068964	-0.048664857
## LGLZE.H.PET	0.637654298	0.327287266
## HGLZE.H.PET	0.650336465	0.405947381
## SZLGE.H.PET	0.639797875	0.321329352
## SZHGE.H.PET	0.665833997	0.390282010
## LZLGE.H.PET	-0.003780488	0.012407844
## LZHGE.H.PET	-0.059283287	-0.012843352
## GLNU_area.H.PET	0.055402255	-0.111046213
## ZSNU.H.PET	-0.043479489	-0.058495374
## ZSP.H.PET	0.391812982	0.416940902
## GLNU_norm.H.PET	0.481317832	0.437925945
## ZSNU_norm.H.PET	0.462023373	0.412675648
## GLVAR_area.H.PET	0.286552766	0.549504251
## ZSVAR_H.PET	-0.073010438	-0.027451062
## Entropy_area.H.PET	0.524518554	0.516189239
## Max_cooc.W.PET	0.554238319	0.251150137
## Average_cooc.W.PET	0.136874452	0.342273413
## Variance_cooc.W.PET	0.109088308	0.085900124
## Entropy_cooc.W.PET	0.447202997	0.495680843
## DAVE_cooc.W.PET	0.252235640	0.351676396
## DVAR_cooc.W.PET	0.101517374	0.150195893
## DENT_cooc.W.PET	0.481730074	0.495882479
## SAVE_cooc.W.PET	0.135548326	0.341742861
## SVAR_cooc.W.PET	0.112364682	0.042698323
## SENT_cooc.W.PET	0.558130920	0.519588521
## ASM_cooc.W.PET	0.598990283	0.291639512
## Contrast_cooc.W.PET	0.089933954	0.190973313
## Dissimilarity_cooc.W.PET	0.252235640	0.351676396
## Inv_diff_cooc.W.PET	0.577706907	0.483395890
## Inv_diff_norm_cooc.W.PET	0.650353582	0.566077480
## IDM_cooc.W.PET	0.507397010	0.407118364
## IDM_norm_cooc.W.PET	0.641007642	0.593909575
## Inv_var_cooc.W.PET	0.538537426	0.454737600
## Correlation_cooc.W.PET	0.428557834	0.217710073
## Autocorrelation_cooc.W.PET	-0.025937783	0.153668694
## Tendency_cooc.W.PET	0.112364682	0.042698323
## Shade_cooc.W.PET	0.130172438	-0.135016633
## Prominence_cooc.W.PET	0.056502604	-0.103986326
## IC1_d.W.PET	0.117992145	0.020890510
## IC2_d.W.PET	0.582360745	0.425538547
## Coarseness_vdif.W.PET	0.599849099	0.512885538
## Contrast_vdif.W.PET	0.311409431	0.503960835
## Busyness_vdif.W.PET	0.053425291	0.111653894
## Complexity_vdif.W.PET	0.089954265	-0.064383496
## Strength_vdif.W.PET	0.502671506	0.016014034
## SRE_align.W.PET	0.631273352	0.623077917
## LRE_align.W.PET	0.558050420	0.534301235
## GLNU_align.W.PET	0.109113853	-0.172117500
## RLNU_align.W.PET	0.003308183	-0.100456267
## RP_align.W.PET	0.626707960	0.623887696
## LGRE_align.W.PET	0.662798394	0.252211119
## HGRE_align.W.PET	-0.027910984	0.147538150

## LGSRE_align.W.PET	0.697877880	0.277366337
## HGSRE_align.W.PET	-0.026853908	0.144159327
## LGHRE_align.W.PET	0.488734103	0.141672315
## HGLRE_align.W.PET	-0.033149500	0.160123022
## GLNU_norm_align.W.PET	0.593809362	0.362104976
## RLNU_norm_align.W.PET	0.611006356	0.612062539
## GLVAR_align.W.PET	0.079374302	0.091123460
## RLVAR_align.W.PET	0.319973015	0.197696954
## Entropy_align.W.PET	0.468734346	0.517114863
## SZSE.W.PET	0.611214220	0.583376456
## LZSE.W.PET	0.065642875	0.131967489
## LGLZE.W.PET	0.641636785	0.283210383
## HGLZE.W.PET	-0.013788449	0.138518964
## SZLGE.W.PET	0.717991930	0.323406434
## SZHGE.W.PET	-0.006426222	0.127082408
## LZLGE.W.PET	0.066027711	-0.010402657
## LZHGE.W.PET	-0.060436062	0.201260865
## GLNU_area.W.PET	0.091938244	-0.144451634
## ZSNU.W.PET	-0.014825619	-0.078938953
## ZSP.W.PET	0.547963972	0.535962153
## GLNU_norm.W.PET	0.568860921	0.412215809
## ZSNU_norm.W.PET	0.555295028	0.526547102
## GLVAR_area.W.PET	0.087111763	0.084373964
## ZSVAR.W.PET	0.010481326	0.074500076
## Entropy_area.W.PET	0.507432741	0.527605422
## Min_hist.ADC	0.188932012	0.400566430
## Max_hist.ADC	0.588797721	0.427042750
## Mean_hist.ADC	0.600599140	0.503931408
## Variance_hist.ADC	0.414373114	0.097593985
## Standard_Deviation_hist.ADC	0.542802371	0.314610419
## Skewness_hist.ADC	0.065662662	0.179425076
## Kurtosis_hist.ADC	0.185684244	0.085678735
## Energy_hist.ADC	0.665160999	0.338171032
## Entropy_hist.ADC	0.585432946	0.516036855
## AUC_hist.ADC	0.605590942	0.616714484
## Volume.ADC	0.033899017	-0.060529658
## X3D_surface.ADC	0.216178141	0.056266529
## ratio_3ds_vol.ADC	0.508689588	0.582252135
## ratio_3ds_vol_norm.ADC	0.593855768	0.503687592
## irregularity.ADC	0.598934311	0.671358699
## Compactness_v1.ADC	0.725298501	0.498875174
##	LGHRE_align.L.PET	HGLRE_align.L.PET
## Failure	0.001825500	0.102900455
## Entropy_cooc.W.ADC	-0.021081378	-0.059008022
## GLNU_align.H.PET	0.031938158	-0.151489510
## Min_hist.PET	0.243276104	0.319599139
## Max_hist.PET	0.304344411	0.179818603
## Mean_hist.PET	0.186256532	0.338220754
## Variance_hist.PET	0.082040924	0.108709275
## Standard_Deviation_hist.PET	0.239551806	0.281268217
## Skewness_hist.PET	0.819586546	-0.148431949
## Kurtosis_hist.PET	0.613737504	-0.376887661
## Energy_hist.PET	0.625955077	0.340365282
## Entropy_hist.PET	0.474185609	0.416833777

## AUC_hist.PET	0.641702648	0.604394273
## H_suv.PET	0.225884548	0.397656757
## Volume.PET	0.060224076	-0.035369149
## X3D_surface.PET	0.155278823	-0.037676977
## ratio_3ds_vol.PET	0.646409826	0.415885213
## ratio_3ds_vol_norm.PET	0.637115212	0.251189788
## irregularity.PET	0.636388265	0.632751907
## tumor_length.PET	0.406597086	0.189756032
## Compactness_v1.PET	0.599661118	0.335204961
## Compactness_v2.PET	-0.074278227	0.084016346
## Spherical_disproportion.PET	0.637115212	0.251189788
## Sphericity.PET	-0.136049338	0.082036582
## Asphericity.PET	0.629456330	0.235252796
## Center_of_mass.PET	0.307806462	0.029207579
## Max_3D_diam.PET	0.108626619	0.057077402
## Major_axis_length.PET	0.160373939	0.110836870
## Minor_axis_length.PET	0.356588069	0.177870352
## Least_axis_length.PET	0.230437754	0.157222729
## Elongation.PET	0.597676478	0.585672268
## Flatness.PET	0.506372343	0.578404380
## Max_cooc.L.PET	0.671895620	0.286415223
## Average_cooc.L.PET	0.195803089	0.957161140
## Variance_cooc.L.PET	0.277894878	0.815491005
## Entropy_cooc.L.PET	0.480786923	0.685508848
## DAVE_cooc.L.PET	0.348934690	0.804795695
## DVAR_cooc.L.PET	0.470589886	0.638369801
## DENT_cooc.L.PET	0.521084799	0.735064248
## SAVE_cooc.L.PET	0.195137350	0.957204153
## SVAR_cooc.L.PET	0.269443799	0.805875215
## SENT_cooc.L.PET	0.569919708	0.707661167
## ASM_cooc.L.PET	0.630574269	0.282775584
## Contrast_cooc.L.PET	0.253744571	0.720971085
## Dissimilarity_cooc.L.PET	0.348934690	0.804795695
## Inv_diff_cooc.L.PET	0.730594143	0.273270483
## Inv_diff_norm_cooc.L.PET	0.628500219	0.574086897
## IDM_cooc.L.PET	0.757688784	0.169154737
## IDM_norm_cooc.L.PET	0.616294597	0.601716711
## Inv_var_cooc.L.PET	0.746213171	0.168787165
## Correlation_cooc.L.PET	0.439634953	0.262816796
## Autocorrelation_cooc.L.PET	0.010549020	0.990045350
## Tendency_cooc.L.PET	0.269443799	0.805875215
## Shade_cooc.L.PET	0.426302868	-0.017499616
## Prominence_cooc.L.PET	0.270373490	0.609077999
## IC1_.L.PET	-0.152926622	-0.497705328
## IC2_.L.PET	0.589638817	0.700568480
## Coarseness_vdif_.L.PET	0.586345382	0.459888645
## Contrast_vdif_.L.PET	0.232605143	0.381120892
## Busyness_vdif_.L.PET	0.206497093	-0.120717411
## Complexity_vdif_.L.PET	0.477257198	0.651396796
## Strength_vdif_.L.PET	0.487143103	0.279040253
## SRE_align.L.PET	0.604577521	0.644176160
## LRE_align.L.PET	0.626579670	0.576775018
## GLNU_align.L.PET	0.183479386	-0.159179518
## RLNU_align.L.PET	0.027199736	-0.062302152

## RP_align.L.PET	0.602456432	0.648604220
## LGRE_align.L.PET	0.995873403	0.064237935
## HGRE_align.L.PET	0.026542662	0.997071902
## LGSRE_align.L.PET	0.993588517	0.076559545
## HGSRE_align.L.PET	0.029541476	0.995532240
## LGHRE_align.L.PET	1.000000000	0.014504685
## HGLRE_align.L.PET	0.014504685	1.000000000
## GLNU_norm_align.L.PET	0.851699962	0.277645403
## RLNU_norm_align.L.PET	0.595293862	0.663009457
## GLVAR_align.L.PET	0.232571866	0.884591645
## RLVAR_align.L.PET	0.739686586	0.186554489
## Entropy_align.L.PET	0.485743993	0.698708027
## SZSE.L.PET	0.588246605	0.642691039
## LZSE.L.PET	0.484421281	0.323870908
## LGLZE.L.PET	0.991947824	0.083563157
## HGLZE.L.PET	0.037294006	0.995109140
## SZLGE.L.PET	0.975240259	0.123478664
## SZHGE.L.PET	0.052979599	0.973599229
## LZLGE.L.PET	0.942037949	-0.102722382
## LZHGE.L.PET	-0.021387330	0.850942486
## GLNU_area.L.PET	0.166234463	-0.147593995
## ZSNU.L.PET	0.006540928	-0.044788723
## ZSP.L.PET	0.580274634	0.666159429
## GLNU_norm.L.PET	0.847036006	0.280320176
## ZSNU_norm.L.PET	0.573331186	0.694305922
## GLVAR_area.L.PET	0.241247425	0.885268807
## ZSVAR.L.PET	0.522875328	-0.009691284
## Entropy_area.L.PET	0.498747403	0.672256972
## Max_cooc.H.PET	0.441873907	0.198383057
## Average_cooc.H.PET	0.624244367	0.625261684
## Variance_cooc.H.PET	0.326697713	0.635513624
## Entropy_cooc.H.PET	0.516507193	0.484504115
## DAVE_cooc.H.PET	0.408119456	0.663525380
## DVAR_cooc.H.PET	0.326061483	0.712089831
## DENT_cooc.H.PET	0.383973464	0.390424672
## SAVE_cooc.H.PET	0.591491737	0.622178092
## SVAR_cooc.H.PET	0.360773237	0.537354694
## SENT_cooc.H.PET	0.519936515	0.470295223
## ASM_cooc.H.PET	0.421147506	0.222075102
## Contrast_cooc.H.PET	0.294786153	0.666277693
## Dissimilarity_cooc.H.PET	0.408119456	0.663525380
## Inv_diff_cooc.H.PET	0.554012804	0.405245860
## Inv_diff_norm_cooc.H.PET	0.630661893	0.612203543
## IDM_cooc.H.PET	0.501913241	0.346959240
## IDM_norm_cooc.H.PET	0.623294817	0.617970281
## Inv_var_cooc_.H.PET	0.688719892	0.254383380
## Correlation_cooc.H.PET	0.430069034	0.285695508
## Autocorrelation_cooc.H.PET	0.626244296	0.591190615
## Tendency_cooc.H.PET	0.314650461	0.562064894
## Shade_cooc.H.PET	0.037662109	-0.498172182
## Prominence_cooc.H.PET	0.114282230	0.448612155
## IC1_d.H.PET	0.071593069	0.027840936
## IC2_d.H.PET	0.521421406	0.363411019
## Coarseness_vdif.H.PET	0.625368293	0.304644016

## Contrast_vdif.H.PET	0.064656177	0.529678465
## Busyness_vdif.H.PET	-0.093147559	-0.092829108
## Complexity_vdif.H.PET	0.486741514	0.603638982
## Strength_vdif.H.PET	0.224441183	0.013299062
## SRE_align.H.PET	0.583072836	0.616530884
## LRE_align.H.PET	0.417598515	0.393856201
## RLNU_align.H.PET	0.018656532	-0.045759849
## RP_align.H.PET	0.570426307	0.618290194
## LGRE_align.H.PET	0.588738581	0.318926015
## HGRE_align.H.PET	0.621404022	0.583565430
## LGSRE_align.H.PET	0.588550524	0.317434898
## HGSRE_align.H.PET	0.650371989	0.594110409
## LGHRE_align.H.PET	0.590402657	0.326150303
## HGLRE_align.H.PET	0.300046552	0.306045546
## GLNU_norm_align.H.PET	0.522249000	0.344922419
## RLNU_norm_align.H.PET	0.529273352	0.591529367
## GLVAR_align.H.PET	0.282197115	0.613378710
## RLVAR_align.H.PET	0.230253356	0.147784645
## Entropy_align.H.PET	0.446887369	0.529572787
## SZSE.H.PET	0.523466827	0.489297810
## LZSE.H.PET	-0.065377695	-0.043076431
## LGLZE.H.PET	0.582852773	0.322597029
## HGLZE.H.PET	0.642538385	0.405856154
## SZLGE.H.PET	0.584847572	0.315531568
## SZHGE.H.PET	0.649870291	0.365721052
## LZLGE.H.PET	0.004156269	0.023844504
## LZHGE.H.PET	-0.046687032	-0.007191870
## GLNU_area.H.PET	0.085960269	-0.076234391
## ZSNU.H.PET	-0.026665107	-0.025908165
## ZSP.H.PET	0.361539827	0.409482348
## GLNU_norm.H.PET	0.456204608	0.424964990
## ZSNU_norm.H.PET	0.435690005	0.411778833
## GLVAR_area.H.PET	0.261285662	0.576072995
## ZSVAR.H.PET	-0.061019138	-0.021883083
## Entropy_area.H.PET	0.507793567	0.538988833
## Max_cooc.W.PET	0.535620146	0.232444195
## Average_cooc.W.PET	0.120704237	0.366531097
## Variance_cooc.W.PET	0.110786097	0.096033926
## Entropy_cooc.W.PET	0.425477625	0.510446799
## DAVE_cooc.W.PET	0.228403352	0.353486093
## DVAR_cooc.W.PET	0.093306637	0.153464138
## DENT_cooc.W.PET	0.455970140	0.501857205
## SAVE_cooc.W.PET	0.119485529	0.366022746
## SVAR_cooc.W.PET	0.120029770	0.056091569
## SENT_cooc.W.PET	0.531889740	0.532500138
## ASM_cooc.W.PET	0.567512917	0.277381466
## Contrast_cooc.W.PET	0.075923854	0.191678101
## Dissimilarity_cooc.W.PET	0.228403352	0.353486093
## Inv_diff_cooc.W.PET	0.562209925	0.487445586
## Inv_diff_norm_cooc.W.PET	0.629603376	0.576855295
## IDM_cooc.W.PET	0.496402340	0.409981461
## IDM_norm_cooc.W.PET	0.616998741	0.602893708
## Inv_var_cooc.W.PET	0.521980261	0.457656604
## Correlation_cooc.W.PET	0.439657022	0.257669754

## Autocorrelation_cooc.W.PET	-0.030026160	0.179292140
## Tendency_cooc.W.PET	0.120029770	0.056091569
## Shade_cooc.W.PET	0.157998989	-0.133412714
## Prominence_cooc.W.PET	0.083154350	-0.096467734
## IC1_d.W.PET	0.071958264	-0.007908490
## IC2_d.W.PET	0.572757290	0.448469271
## Coarseness_vdif.W.PET	0.542338239	0.483675447
## Contrast_vdif.W.PET	0.263476452	0.483798685
## Busyness_vdif.W.PET	0.059519958	0.123891648
## Complexity_vdif.W.PET	0.109326146	-0.046665191
## Strength_vdif.W.PET	0.502518164	-0.007208874
## SRE_align.W.PET	0.601374337	0.626941690
## LRE_align.W.PET	0.544399627	0.549428205
## GLNU_align.W.PET	0.150824355	-0.130157150
## RLNU_align.W.PET	0.029872217	-0.058877149
## RP_align.W.PET	0.596227419	0.627372961
## LGRE_align.W.PET	0.648659144	0.228528939
## HGRE_align.W.PET	-0.031374506	0.172469123
## LGSRE_align.W.PET	0.679653421	0.252501482
## HGSRE_align.W.PET	-0.030357870	0.167939916
## LGHRE_align.W.PET	0.489900794	0.125056862
## HGLRE_align.W.PET	-0.036106931	0.190555945
## GLNU_norm_align.W.PET	0.572754574	0.342910519
## RLNU_norm_align.W.PET	0.579526728	0.615061872
## GLVAR_align.W.PET	0.081640954	0.106250856
## RLVAR_align.W.PET	0.319253367	0.213582831
## Entropy_align.W.PET	0.449435019	0.537313282
## SZSE.W.PET	0.578058220	0.575720827
## LZSE.W.PET	0.076186621	0.148735349
## LGLZE.W.PET	0.623039800	0.263468483
## HGLZE.W.PET	-0.016008741	0.162126027
## SZLGE.W.PET	0.690719787	0.297500440
## SZHGE.W.PET	-0.008997922	0.145790142
## LZLGE.W.PET	0.083861273	-0.013884140
## LZHGE.W.PET	-0.055160340	0.270147386
## GLNU_area.W.PET	0.128151709	-0.107699028
## ZSNU.W.PET	0.006506211	-0.043396567
## ZSP.W.PET	0.515992666	0.530719052
## GLNU_norm.W.PET	0.542087123	0.394713570
## ZSNU_norm.W.PET	0.526247871	0.525691324
## GLVAR_area.W.PET	0.090175353	0.099467686
## ZSVAR.W.PET	0.021053906	0.085756091
## Entropy_area.W.PET	0.489182957	0.549466004
## Min_hist.ADC	0.173778679	0.387823642
## Max_hist.ADC	0.576427375	0.436619397
## Mean_hist.ADC	0.585599755	0.502592590
## Variance_hist.ADC	0.413801364	0.104865003
## Standard_Deviation_hist.ADC	0.533445867	0.322573357
## Skewness_hist.ADC	0.048453054	0.192100147
## Kurtosis_hist.ADC	0.177254231	0.093109033
## Energy_hist.ADC	0.610049351	0.328924467
## Entropy_hist.ADC	0.566116129	0.528612691
## AUC_hist.ADC	0.575055022	0.625606202
## Volume.ADC	0.057731266	-0.035618759

## X3D_surface.ADC	0.216339413	0.077306703
## ratio_3ds_vol.ADC	0.476010654	0.567036396
## ratio_3ds_vol_norm.ADC	0.577820169	0.509068113
## irregularity.ADC	0.566661060	0.671992630
## Compactness_v1.ADC	0.670092286	0.495258839
##	GLNU_norm_align.L.PET	RLNU_norm_align.L.PET
## Failure	0.036996167	0.0110279725
## Entropy_cooc.W.ADC	0.001792788	0.0123670310
## GLNU_align.H.PET	0.026843917	-0.0609633160
## Min_hist.PET	0.228319393	0.5292765394
## Max_hist.PET	0.288399456	0.5249811644
## Mean_hist.PET	0.210188400	0.5253232982
## Variance_hist.PET	0.083566103	0.2499801701
## Standard_Deviation_hist.PET	0.256042491	0.5275176290
## Skewness_hist.PET	0.627040358	0.5210060555
## Kurtosis_hist.PET	0.429703240	0.1229637097
## Energy_hist.PET	0.898243996	0.4613142129
## Entropy_hist.PET	0.515414993	0.8533597963
## AUC_hist.PET	0.719215976	0.9919910901
## H_suv.PET	0.318041040	0.5674926003
## Volume.PET	0.017604133	0.2941401437
## X3D_surface.PET	0.163412581	0.1908616927
## ratio_3ds_vol.PET	0.736907808	0.5948351633
## ratio_3ds_vol_norm.PET	0.725528595	0.5736269627
## irregularity.PET	0.699033562	0.9740500225
## tumor_length.PET	0.458355662	0.5704259686
## Compactness_v1.PET	0.866345816	0.5575140716
## Compactness_v2.PET	-0.135517640	0.2193445037
## Spherical_disproportion.PET	0.725528595	0.5736269627
## Sphericity.PET	-0.241095007	0.2191124476
## Asphericity.PET	0.717577892	0.5516086356
## Center_of_mass.PET	0.281443023	0.3403234731
## Max_3D_diam.PET	0.048257911	0.4237862753
## Major_axis_length.PET	0.154055721	0.4714283036
## Minor_axis_length.PET	0.352176009	0.6214719213
## Least_axis_length.PET	0.204181664	0.5189804208
## Elongation.PET	0.671032453	0.8596288371
## Flatness.PET	0.549754773	0.7909327329
## Max_cooc.L.PET	0.928631265	0.4786610871
## Average_cooc.L.PET	0.412246974	0.8373495754
## Variance_cooc.L.PET	0.375418670	0.6895276695
## Entropy_cooc.L.PET	0.566635999	0.9816483997
## DAVE_cooc.L.PET	0.460685338	0.7959354991
## DVAR_cooc.L.PET	0.531342584	0.7014779070
## DENT_cooc.L.PET	0.606603089	0.9831145434
## SAVE_cooc.L.PET	0.411320296	0.8371588748
## SVAR_cooc.L.PET	0.356680713	0.6919491066
## SENT_cooc.L.PET	0.675651259	0.9818577407
## ASM_cooc.L.PET	0.906254749	0.4503229914
## Contrast_cooc.L.PET	0.354397865	0.5927889530
## Dissimilarity_cooc.L.PET	0.460685338	0.7959354991
## Inv_diff_cooc.L.PET	0.776118436	0.8225273263
## Inv_diff_norm_cooc.L.PET	0.692218752	0.9857738095
## IDM_cooc.L.PET	0.808386985	0.7291921889

## IDM_norm_cooc.L.PET	0.684737943	0.9923218562
## Inv_var_cooc.L.PET	0.803679106	0.7341825973
## Correlation_cooc.L.PET	0.460348888	0.6256421918
## Autocorrelation_cooc.L.PET	0.265633030	0.6386947037
## Tendency_cooc.L.PET	0.356680713	0.6919491066
## Shade_cooc.L.PET	0.265294191	0.3362098175
## Prominence_cooc.L.PET	0.287219715	0.5004305636
## IC1_.L.PET	-0.102247828	-0.3820312857
## IC2_.L.PET	0.686161445	0.9134726149
## Coarseness_vdif_.L.PET	0.856618469	0.5036543402
## Contrast_vdif_.L.PET	0.278700662	0.2640480199
## Busyness_vdif_.L.PET	0.128727184	0.2747186574
## Complexity_vdif_.L.PET	0.552265263	0.7520430938
## Strength_vdif_.L.PET	0.435223448	0.3261840166
## SRE_align.L.PET	0.681949913	0.9991249111
## LRE_align.L.PET	0.682905997	0.9825557333
## GLNU_align.L.PET	0.126275435	0.2127122765
## RLNU_align.L.PET	0.008302383	0.1947792147
## RP_align.L.PET	0.680793379	0.9994934343
## LGRE_align.L.PET	0.875820099	0.6220224966
## HGRE_align.L.PET	0.286239112	0.6612813783
## LGSRE_align.L.PET	0.881062379	0.6278681265
## HGSRE_align.L.PET	0.288086237	0.6603550602
## LGHRE_align.L.PET	0.851699962	0.5952938622
## HGLRE_align.L.PET	0.277645403	0.6630094570
## GLNU_norm_align.L.PET	1.000000000	0.6771722473
## RLNU_norm_align.L.PET	0.677172247	1.0000000000
## GLVAR_align.L.PET	0.362842940	0.7146509951
## RLVAR_align.L.PET	0.899770594	0.6180586579
## Entropy_align.L.PET	0.581071685	0.9851169464
## SZSE.L.PET	0.674996565	0.9802080088
## LZSE.L.PET	0.479761184	0.6704109186
## LGLZE.L.PET	0.886249385	0.6340171456
## HGLZE.L.PET	0.293985256	0.6712081630
## SZLGE.L.PET	0.898998372	0.6467527392
## SZHGE.L.PET	0.306064770	0.6678305725
## LZLGE.L.PET	0.736974409	0.4862346994
## LZHGE.L.PET	0.191983245	0.5406516701
## GLNU_area.L.PET	0.113803002	0.2155148284
## ZSNU.L.PET	-0.006997153	0.1980218776
## ZSP.L.PET	0.669516210	0.9888802516
## GLNU_norm.L.PET	0.999802315	0.6775983196
## ZSNU_norm.L.PET	0.664366294	0.9932448621
## GLVAR_area.L.PET	0.374145982	0.7252920064
## ZSVAR.L.PET	0.507872342	0.4065634222
## Entropy_area.L.PET	0.586907445	0.9826151513
## Max_cooc.H.PET	0.486512992	0.3202781873
## Average_cooc.H.PET	0.672958730	0.9758853327
## Variance_cooc.H.PET	0.461806467	0.8519531213
## Entropy_cooc.H.PET	0.496947363	0.8331837984
## DAVE_cooc.H.PET	0.520371986	0.8897121962
## DVAR_cooc.H.PET	0.503163317	0.8670719669
## DENT_cooc.H.PET	0.409751220	0.7665276279
## SAVE_cooc.H.PET	0.646585735	0.9793416440

## SVAR_cooc.H.PET	0.482447538	0.8304171608
## SENT_cooc.H.PET	0.650366710	0.6961958988
## ASM_cooc.H.PET	0.527111176	0.3058363158
## Contrast_cooc.H.PET	0.444954636	0.8005321753
## Dissimilarity_cooc.H.PET	0.520371986	0.8897121962
## Inv_diff_cooc.H.PET	0.625855222	0.6716470504
## Inv_diff_norm_cooc.H.PET	0.697275020	0.9919779378
## IDM_cooc.H.PET	0.574270057	0.5687026068
## IDM_norm_cooc.H.PET	0.689666213	0.9952807364
## Inv_var_cooc_.H.PET	0.884824008	0.5910900486
## Correlation_cooc.H.PET	0.452550773	0.6321919843
## Autocorrelation_cooc.H.PET	0.664439605	0.9195995293
## Tendency_cooc.H.PET	0.429507913	0.8035360395
## Shade_cooc.H.PET	-0.161025820	-0.4067726285
## Prominence_cooc.H.PET	0.246900521	0.5832963868
## IC1_d.H.PET	0.227391331	-0.0779058454
## IC2_d.H.PET	0.543638469	0.7534612085
## Coarseness_vdif.H.PET	0.896804202	0.4473480141
## Contrast_vdif.H.PET	0.272223311	0.3116028833
## Busyness_vdif.H.PET	-0.237411669	0.1017442190
## Complexity_vdif.H.PET	0.693877019	0.6839824839
## Strength_vdif.H.PET	0.155643789	0.0342740453
## SRE_align.H.PET	0.650437748	0.9736272127
## LRE_align.H.PET	0.474961364	0.6327291470
## RLNU_align.H.PET	0.011431867	0.1968906651
## RP_align.H.PET	0.640118052	0.9630187139
## LGRE_align.H.PET	0.891023792	0.4674053949
## HGRE_align.H.PET	0.667176149	0.9242151549
## LGSRE_align.H.PET	0.890503967	0.4651394341
## HGSRE_align.H.PET	0.681543165	0.9708649909
## LGHRE_align.H.PET	0.894059787	0.4793360573
## HGLRE_align.H.PET	0.350858955	0.4358463714
## GLNU_norm_align.H.PET	0.580402436	0.5253912142
## RLNU_norm_align.H.PET	0.594884899	0.9144319071
## GLVAR_align.H.PET	0.426030602	0.8159338435
## RLVAR_align.H.PET	0.273855523	0.2745014149
## Entropy_align.H.PET	0.509060173	0.8883245255
## SZSE.H.PET	0.563828583	0.8562745028
## LZSE.H.PET	-0.065693291	-0.0634874950
## LGLZE.H.PET	0.888849285	0.4679588817
## HGLZE.H.PET	0.619922823	0.8653884897
## SZLGE.H.PET	0.888734372	0.4619475849
## SZHGE.H.PET	0.592849238	0.8342426304
## LZLGE.H.PET	0.051649033	-0.0012101571
## LZHGE.H.PET	-0.033635090	-0.0524016352
## GLNU_area.H.PET	0.040625809	0.2317381051
## ZSNU.H.PET	-0.016833170	0.1726976074
## ZSP.H.PET	0.398401041	0.6779644844
## GLNU_norm.H.PET	0.557575915	0.5398397698
## ZSNU_norm.H.PET	0.460572640	0.7275882491
## GLVAR_area.H.PET	0.410995094	0.7939865495
## ZSVAR_H.PET	-0.049552112	-0.0600944805
## Entropy_area.H.PET	0.571235503	0.9339668646
## Max_cooc.W.PET	0.652911188	0.3611940028

## Average_cooc.W.PET	0.200709646	0.5172857476
## Variance_cooc.W.PET	0.098133382	0.2517625123
## Entropy_cooc.W.PET	0.472974856	0.8510446882
## DAVE_cooc.W.PET	0.257131483	0.5552659575
## DVAR_cooc.W.PET	0.101491275	0.2932347276
## DENT_cooc.W.PET	0.488987514	0.8411957094
## SAVE_cooc.W.PET	0.198924037	0.5165033477
## SVAR_cooc.W.PET	0.096260204	0.2220894771
## SENT_cooc.W.PET	0.592851223	0.8907840829
## ASM_cooc.W.PET	0.770441069	0.3962971014
## Contrast_cooc.W.PET	0.093149899	0.3064212413
## Dissimilarity_cooc.W.PET	0.257131483	0.5552659575
## Inv_diff_cooc.W.PET	0.653286526	0.7526763417
## Inv_diff_norm_cooc.W.PET	0.693992525	0.9863490388
## IDM_cooc.W.PET	0.588804341	0.6196868040
## IDM_norm_cooc.W.PET	0.685669270	0.9925772388
## Inv_var_cooc.W.PET	0.631274215	0.6889913462
## Correlation_cooc.W.PET	0.458391566	0.6246561965
## Autocorrelation_cooc.W.PET	0.033926459	0.2462356358
## Tendency_cooc.W.PET	0.096260204	0.2220894771
## Shade_cooc.W.PET	0.079468161	0.0284369511
## Prominence_cooc.W.PET	0.028912603	-0.0037513652
## IC1_d.W.PET	0.265070394	-0.1020591877
## IC2_d.W.PET	0.609799359	0.8296688258
## Coarseness_vdif.W.PET	0.800946321	0.4756148284
## Contrast_vdif.W.PET	0.311930104	0.5105256548
## Busyness_vdif.W.PET	0.004863684	0.2271420940
## Complexity_vdif.W.PET	0.095523241	0.1476482250
## Strength_vdif.W.PET	0.340469648	0.2551902633
## SRE_align.W.PET	0.671901487	0.9923870069
## LRE_align.W.PET	0.615956346	0.8619759001
## GLNU_align.W.PET	0.073995622	0.2211673016
## RLNU_align.W.PET	0.015910045	0.1958867559
## RP_align.W.PET	0.666852582	0.9886633082
## LGRE_align.W.PET	0.591258460	0.5081538948
## HGRE_align.W.PET	0.030549641	0.2486928103
## LGSRE_align.W.PET	0.625627857	0.5452662986
## HGSRE_align.W.PET	0.029276445	0.2448466952
## LGHRE_align.W.PET	0.425802209	0.3402045730
## HGLRE_align.W.PET	0.035073246	0.2636623837
## GLNU_norm_align.W.PET	0.656535193	0.5278386139
## RLNU_norm_align.W.PET	0.646120160	0.9705822739
## GLVAR_align.W.PET	0.082742329	0.2494601300
## RLVAR_align.W.PET	0.406208451	0.3528347338
## Entropy_align.W.PET	0.511518880	0.8923550768
## SZSE.W.PET	0.641993468	0.9433546172
## LZSE.W.PET	0.118986230	0.1285114125
## LGLZE.W.PET	0.600856357	0.5328323083
## HGLZE.W.PET	0.037965448	0.2518966474
## SZLGE.W.PET	0.687069246	0.6088949933
## SZHGE.W.PET	0.037035547	0.2408986019
## LZLGE.W.PET	0.050482184	0.0002247099
## LZHGE.W.PET	0.050952907	0.2819265206
## GLNU_area.W.PET	0.064835394	0.2326699024

## ZSNU.W.PET	0.003506718	0.1874714886
## ZSP.W.PET	0.567157487	0.8739577020
## GLNU_norm.W.PET	0.660333178	0.5485174345
## ZSNU_norm.W.PET	0.571675276	0.8702003396
## GLVAR_area.W.PET	0.091164301	0.2527410941
## ZSVAR.W.PET	0.060694523	0.0405798693
## Entropy_area.W.PET	0.551188444	0.9281812942
## Min_hist.ADC	0.269256761	0.3510086280
## Max_hist.ADC	0.610152039	0.8683274724
## Mean_hist.ADC	0.619230967	0.8671512426
## Variance_hist.ADC	0.417690111	0.4346694203
## Standard_Deviation_hist.ADC	0.559799584	0.7134052054
## Skewness_hist.ADC	0.119519041	0.2234940068
## Kurtosis_hist.ADC	0.163286261	0.2663238966
## Energy_hist.ADC	0.893338167	0.4664918685
## Entropy_hist.ADC	0.615090240	0.9405791441
## AUC_hist.ADC	0.667754935	0.9726346530
## Volume.ADC	0.009754547	0.2833777232
## X3D_surface.ADC	0.221141481	0.4016223384
## ratio_3ds_vol.ADC	0.584523700	0.6721422743
## ratio_3ds_vol_norm.ADC	0.612624761	0.9302104409
## irregularity.ADC	0.661182544	0.9650261242
## Compactness_v1.ADC	0.924083944	0.7021968879
##	GLVAR_align.L.PET	RLVAR_align.L.PET
## Failure	0.1199082616	-0.033345878
## Entropy_cooc.W.ADC	-0.1333463964	0.097500828
## GLNU_align.H.PET	-0.2141298085	0.179406078
## Min_hist.PET	0.3261990287	0.250265586
## Max_hist.PET	0.1390780958	0.418724276
## Mean_hist.PET	0.2915658081	0.281175449
## Variance_hist.PET	0.0674112523	0.214913258
## Standard_Deviation_hist.PET	0.2549300532	0.361960707
## Skewness_hist.PET	0.1139871993	0.496723393
## Kurtosis_hist.PET	-0.2928513188	0.380276517
## Energy_hist.PET	0.3934122964	0.763581836
## Entropy_hist.PET	0.3926862102	0.600333774
## AUC_hist.PET	0.6517679786	0.683598825
## H_suv.PET	0.3891375455	0.333335463
## Volume.PET	-0.1529919771	0.211202542
## X3D_surface.PET	-0.1250711351	0.377214171
## ratio_3ds_vol.PET	0.5916672928	0.499160211
## ratio_3ds_vol_norm.PET	0.3187007208	0.739018399
## irregularity.PET	0.7284618230	0.582509352
## tumor_length.PET	0.1125178142	0.661513225
## Compactness_v1.PET	0.3287074467	0.819327444
## Compactness_v2.PET	0.0138751575	-0.054506199
## Spherical_disproportion.PET	0.3187007208	0.739018399
## Sphericity.PET	0.0234987805	-0.164415744
## Asphericity.PET	0.3025907778	0.732381909
## Center_of_mass.PET	0.0337804709	0.468883228
## Max_3D_diam.PET	-0.0632394386	0.281856244
## Major_axis_length.PET	-0.0090379102	0.374040669
## Minor_axis_length.PET	0.0886087334	0.583706805
## Least_axis_length.PET	0.0427235163	0.467098910

## Elongation.PET	0.6434297253	0.623905249
## Flatness.PET	0.6033685661	0.563506931
## Max_cooc.L.PET	0.3190267825	0.835661499
## Average_cooc.L.PET	0.9052482833	0.321596166
## Variance_cooc.L.PET	0.9875325991	0.122187169
## Entropy_cooc.L.PET	0.7033926141	0.555246121
## DAVE_cooc.L.PET	0.9437794431	0.218479090
## DVAR_cooc.L.PET	0.8068853734	0.278011497
## DENT_cooc.L.PET	0.8107973090	0.499422304
## SAVE_cooc.L.PET	0.9052451135	0.320727232
## SVAR_cooc.L.PET	0.9619583857	0.154802301
## SENT_cooc.L.PET	0.7608649301	0.613278247
## ASM_cooc.L.PET	0.3071294451	0.825892823
## Contrast_cooc.L.PET	0.8952076070	0.053698406
## Dissimilarity_cooc.L.PET	0.9437794431	0.218479090
## Inv_diff_cooc.L.PET	0.2523513086	0.880130771
## Inv_diff_norm_cooc.L.PET	0.6000653680	0.689766242
## IDM_cooc.L.PET	0.1417917867	0.928558896
## IDM_norm_cooc.L.PET	0.6334045337	0.668705900
## Inv_var_cooc.L.PET	0.1453636786	0.920390162
## Correlation_cooc.L.PET	0.2162180119	0.655298869
## Autocorrelation_cooc.L.PET	0.8948323643	0.161155811
## Tendency_cooc.L.PET	0.9619583857	0.154802301
## Shade_cooc.L.PET	0.3373626265	0.084423685
## Prominence_cooc.L.PET	0.8485926887	0.036173535
## IC1_.L.PET	-0.6465205736	0.111543941
## IC2_.L.PET	0.8096402898	0.558431768
## Coarseness_vdif_.L.PET	0.5167801880	0.669062128
## Contrast_vdif_.L.PET	0.5422992387	0.008714321
## Busyness_vdif_.L.PET	-0.1869356674	0.349400529
## Complexity_vdif_.L.PET	0.8455141876	0.278239944
## Strength_vdif_.L.PET	0.5087034929	0.100022239
## SRE_align.L.PET	0.6913359465	0.634993867
## LRE_align.L.PET	0.6008299511	0.688192745
## GLNU_align.L.PET	-0.2684446387	0.393226560
## RLNU_align.L.PET	-0.2026928645	0.283073316
## RP_align.L.PET	0.6966730616	0.631144088
## LGRE_align.L.PET	0.2854974288	0.747639661
## HGRE_align.L.PET	0.9028863241	0.169328855
## LGSRE_align.L.PET	0.2980004876	0.749319106
## HGSRE_align.L.PET	0.9065969171	0.165095858
## LGHRE_align.L.PET	0.2325718660	0.739686586
## HGLRE_align.L.PET	0.8845916451	0.186554489
## GLNU_norm_align.L.PET	0.3628429395	0.899770594
## RLNU_norm_align.L.PET	0.7146509951	0.618058658
## GLVAR_align.L.PET	1.0000000000	0.149569659
## RLVAR_align.L.PET	0.1495696591	1.0000000000
## Entropy_align.L.PET	0.7057067217	0.575737672
## SZSE.L.PET	0.7039012273	0.600493733
## LZSE.L.PET	0.2815783385	0.601406050
## LGLZE.L.PET	0.2975301356	0.759076141
## HGLZE.L.PET	0.9084363947	0.172136698
## SZLGE.L.PET	0.3362527350	0.756474389
## SZHGE.L.PET	0.9101665140	0.159083280

## LZLGE.L.PET	0.0777475554	0.696167686
## LZHGE.L.PET	0.6935900732	0.202457868
## GLNU_area.L.PET	-0.2559566414	0.375308420
## ZSNU.L.PET	-0.1837740368	0.255967005
## ZSP.L.PET	0.7285232877	0.586597310
## GLNU_norm.L.PET	0.3632738955	0.901609123
## ZSNU_norm.L.PET	0.7533884475	0.575992627
## GLVAR_area.L.PET	0.9989686828	0.161617050
## ZSVAR.L.PET	-0.0897962941	0.730736516
## Entropy_area.L.PET	0.6755644028	0.597296648
## Max_cooc.H.PET	0.2941255350	0.315687470
## Average_cooc.H.PET	0.7026701631	0.589414273
## Variance_cooc.H.PET	0.5422381623	0.537485092
## Entropy_cooc.H.PET	0.5576772695	0.474787101
## DAVE_cooc.H.PET	0.6746955497	0.454945769
## DVAR_cooc.H.PET	0.6583795010	0.444969127
## DENT_cooc.H.PET	0.4116785848	0.433461284
## SAVE_cooc.H.PET	0.6813961929	0.597902103
## SVAR_cooc.H.PET	0.4407993762	0.596483082
## SENT_cooc.H.PET	0.4973340498	0.646892858
## ASM_cooc.H.PET	0.2724579024	0.380737557
## Contrast_cooc.H.PET	0.6440630020	0.366361785
## Dissimilarity_cooc.H.PET	0.6746955497	0.454945769
## Inv_diff_cooc.H.PET	0.4503373690	0.561722998
## Inv_diff_norm_cooc.H.PET	0.6585161255	0.665600507
## IDM_cooc.H.PET	0.3898385222	0.501702696
## IDM_norm_cooc.H.PET	0.6644793282	0.657340468
## Inv_var_cooc.H.PET	0.2954461324	0.872865004
## Correlation_cooc.H.PET	0.2201957895	0.666004387
## Autocorrelation_cooc.H.PET	0.6825390106	0.561585400
## Tendency_cooc.H.PET	0.4387354816	0.581770346
## Shade_cooc.H.PET	-0.2256203180	-0.325424806
## Prominence_cooc.H.PET	0.2428803330	0.469470853
## IC1_d.H.PET	0.0728343950	0.017839757
## IC2_d.H.PET	0.3427057182	0.699420231
## Coarseness_vdif.H.PET	0.3406056207	0.793734725
## Contrast_vdif.H.PET	0.4619502805	0.140659041
## Busyness_vdif.H.PET	-0.1280611255	-0.131834229
## Complexity_vdif.H.PET	0.6411989347	0.556336762
## Strength_vdif.H.PET	0.0859099979	0.016069428
## SRE_align.H.PET	0.6633032171	0.610339547
## LRE_align.H.PET	0.4126726576	0.465346884
## RLNU_align.H.PET	-0.1829943265	0.271096902
## RP_align.H.PET	0.6654456739	0.594942046
## LGRE_align.H.PET	0.3180413142	0.828204081
## HGRE_align.H.PET	0.6631491887	0.562634587
## LGSRE_align.H.PET	0.3175717929	0.826476937
## HGSRE_align.H.PET	0.6940773914	0.564717493
## LGHRE_align.H.PET	0.3193761931	0.839341795
## HGLRE_align.H.PET	0.3127083262	0.329195941
## GLNU_norm_align.H.PET	0.4655054546	0.397848143
## RLNU_norm_align.H.PET	0.6382642528	0.550339080
## GLVAR_align.H.PET	0.4894880869	0.530535179
## RLVAR_align.H.PET	0.1435608369	0.312116653

## Entropy_align.H.PET	0.4936176538	0.599294707
## SZSE.H.PET	0.5408939311	0.536120785
## LZSE.H.PET	-0.0197498010	-0.033263671
## LGLZE.H.PET	0.3176233276	0.827980083
## HGLZE.H.PET	0.5358268852	0.550794934
## SZLGE.H.PET	0.3157393309	0.823811502
## SZHGE.H.PET	0.5261876415	0.472604513
## LZLGE.H.PET	0.0119914547	0.102811733
## LZHGE.H.PET	-0.0049867763	-0.015912201
## GLNU_area.H.PET	-0.1897406944	0.285149154
## ZSNU.H.PET	-0.1545264827	0.210604410
## ZSP.H.PET	0.4530119470	0.366257807
## GLNU_norm.H.PET	0.5219135396	0.394643249
## ZSNU_norm.H.PET	0.4570369586	0.440964897
## GLVAR_area.H.PET	0.4499062869	0.521580132
## ZSVAR_H.PET	-0.0170098575	-0.018033188
## Entropy_area.H.PET	0.5124499520	0.649647894
## Max_cooc.W.PET	0.3058689677	0.482003950
## Average_cooc.W.PET	0.2573791555	0.329034731
## Variance_cooc.W.PET	0.0870267584	0.206950677
## Entropy_cooc.W.PET	0.5041357178	0.527461132
## DAVE_cooc.W.PET	0.3671372854	0.272018773
## DVAR_cooc.W.PET	0.1531615709	0.154205369
## DENT_cooc.W.PET	0.5351847268	0.492729836
## SAVE_cooc.W.PET	0.2568057164	0.327436033
## SVAR_cooc.W.PET	0.0436584721	0.230585059
## SENT_cooc.W.PET	0.5523905548	0.625794083
## ASM_cooc.W.PET	0.3166664736	0.634060234
## Contrast_cooc.W.PET	0.1924203156	0.125558722
## Dissimilarity_cooc.W.PET	0.3671372854	0.272018773
## Inv_diff_cooc.W.PET	0.5233879203	0.587213393
## Inv_diff_norm_cooc.W.PET	0.6036036520	0.689426820
## IDM_cooc.W.PET	0.4387250939	0.519039498
## IDM_norm_cooc.W.PET	0.6350071108	0.668658602
## Inv_var_cooc.W.PET	0.4835920949	0.569961074
## Correlation_cooc.W.PET	0.2097059085	0.656806533
## Autocorrelation_cooc.W.PET	0.0476323007	0.193761012
## Tendency_cooc.W.PET	0.0436584721	0.230585059
## Shade_cooc.W.PET	-0.0700694959	0.189504705
## Prominence_cooc.W.PET	-0.0874591735	0.159648798
## IC1_d.W.PET	0.0009014467	0.105497244
## IC2_d.W.PET	0.4660751071	0.693043896
## Coarseness_vdif.W.PET	0.5436213577	0.585433152
## Contrast_vdif.W.PET	0.5800093124	0.179567783
## Busyness_vdif.W.PET	0.2023788037	0.032926910
## Complexity_vdif.W.PET	-0.0974296416	0.262143982
## Strength_vdif.W.PET	0.1885504527	0.210567287
## SRE_align.W.PET	0.6735394481	0.632960575
## LRE_align.W.PET	0.5709028813	0.601731611
## GLNU_align.W.PET	-0.2350917526	0.332831803
## RLNU_align.W.PET	-0.1963154652	0.283919360
## RP_align.W.PET	0.6742213292	0.626243708
## LGRE_align.W.PET	0.4488850270	0.381614189
## HGRE_align.W.PET	0.0417602541	0.190913604

## LGSRE_align.W.PET	0.4823095619	0.409112740	
## HGSRE_align.W.PET	0.0419380135	0.185329082	
## LGHRE_align.W.PET	0.2992038032	0.261055348	
## HGLRE_align.W.PET	0.0393655590	0.215193705	
## GLNU_norm_align.W.PET	0.4609633810	0.465937636	
## RLNU_norm_align.W.PET	0.6636628850	0.606385964	
## GLVAR_align.W.PET	0.0639004994	0.215669513	
## RLVAR_align.W.PET	0.2095045038	0.418418289	
## Entropy_align.W.PET	0.5087553531	0.588786929	
## SZSE.W.PET	0.6310127767	0.590647181	
## LZSE.W.PET	0.1361200576	0.118552869	
## LGLZE.W.PET	0.4612906351	0.408730892	
## HGLZE.W.PET	0.0414996844	0.195545566	
## SZLGE.W.PET	0.5058905574	0.482087227	
## SZHGE.W.PET	0.0416763223	0.179601240	
## LZLGE.W.PET	0.0479357551	-0.001853417	
## LZHGE.W.PET	0.0410173962	0.305868179	
## GLNU_area.W.PET	-0.2160239185	0.316642323	
## ZSNU.W.PET	-0.1744576095	0.249447079	
## ZSP.W.PET	0.5792888010	0.527128265	
## GLNU_norm.W.PET	0.4930510044	0.480160325	
## ZSNU_norm.W.PET	0.5731199031	0.531814412	
## GLVAR_area.W.PET	0.0579145781	0.225388913	
## ZSVAR.W.PET	0.0730688456	0.059747577	
## Entropy_area.W.PET	0.5282867425	0.628210197	
## Min_hist.ADC	0.4036520093	0.139567367	
## Max_hist.ADC	0.4635438635	0.600860326	
## Mean_hist.ADC	0.5738435660	0.522384313	
## Variance_hist.ADC	0.1193581810	0.424137187	
## Standard_Deviation_hist.ADC	0.3507030373	0.551043812	
## Skewness_hist.ADC	0.1238521949	0.201878519	
## Kurtosis_hist.ADC	0.1308412143	0.206978868	
## Energy_hist.ADC	0.3548725604	0.805618832	
## Entropy_hist.ADC	0.5480563972	0.627221361	
## AUC_hist.ADC	0.6424589941	0.653503889	
## Volume.ADC	-0.1399198386	0.190813108	
## X3D_surface.ADC	0.0268985433	0.344888746	
## ratio_3ds_vol.ADC	0.6415742690	0.435890238	
## ratio_3ds_vol_norm.ADC	0.5440759251	0.600336342	
## irregularity.ADC	0.7189278165	0.598050636	
## Compactness_v1.ADC	0.5294710770	0.842271698	
##	Entropy_align.L.PET	SZSE.L.PET	LZSE.L.PET
## Failure	-0.003315599	0.0334466868	-0.10232845
## Entropy_cooc.W.ADC	0.029957366	0.0005635674	0.11604844
## GLNU_align.H.PET	-0.036042300	-0.0912367220	0.15719444
## Min_hist.PET	0.551993379	0.5284205778	0.33183637
## Max_hist.PET	0.554843636	0.5225688162	0.44533197
## Mean_hist.PET	0.564161398	0.5239243291	0.35613032
## Variance_hist.PET	0.293939823	0.2576391198	0.20833880
## Standard_Deviation_hist.PET	0.567375205	0.5259338305	0.39640290
## Skewness_hist.PET	0.418384430	0.5163581605	0.42131325
## Kurtosis_hist.PET	0.029629381	0.1218440607	0.25389544
## Energy_hist.PET	0.371336993	0.4662171224	0.24083737
## Entropy_hist.PET	0.873185048	0.8307817055	0.68218418

## AUC_hist.PET	0.973567565	0.9735518824	0.68968676
## H_suv.PET	0.590072995	0.5665889737	0.35135863
## Volume.PET	0.346662196	0.3042452643	0.28226829
## X3D_surface.PET	0.232276726	0.1969167443	0.24599605
## ratio_3ds_vol.PET	0.491164390	0.5897414663	0.31500687
## ratio_3ds_vol_norm.PET	0.532449562	0.5639216353	0.47628337
## irregularity.PET	0.933435275	0.9610245704	0.61791537
## tumor_length.PET	0.606199949	0.5597922286	0.55367185
## Compactness_v1.PET	0.503981930	0.5685175874	0.31955477
## Compactness_v2.PET	0.269383784	0.2363850461	0.10563338
## Spherical_disproportion.PET	0.532449562	0.5639216353	0.47628337
## Sphericity.PET	0.275798449	0.2296297411	0.11802574
## Asphericity.PET	0.509986146	0.5424068034	0.46234122
## Center_of_mass.PET	0.368377302	0.3371667843	0.37911288
## Max_3D_diam.PET	0.493682527	0.4264722018	0.40836671
## Major_axis_length.PET	0.534688381	0.4739780370	0.42969653
## Minor_axis_length.PET	0.673882927	0.6082241996	0.61005519
## Least_axis_length.PET	0.590902284	0.5054252985	0.54282473
## Elongation.PET	0.834187409	0.8258837908	0.65304299
## Flatness.PET	0.791373663	0.7517102754	0.64618688
## Max_cooc.L.PET	0.396191054	0.4814819275	0.29709318
## Average_cooc.L.PET	0.861924931	0.8210912715	0.44535875
## Variance_cooc.L.PET	0.661876816	0.6809865524	0.24878893
## Entropy_cooc.L.PET	0.997929349	0.9601950245	0.66202046
## DAVE_cooc.L.PET	0.762804720	0.7861933373	0.34125519
## DVAR_cooc.L.PET	0.639624531	0.6970775542	0.31425396
## DENT_cooc.L.PET	0.969821138	0.9645971866	0.60222275
## SAVE_cooc.L.PET	0.861833019	0.8208884908	0.44522793
## SVAR_cooc.L.PET	0.682183282	0.6808100192	0.28340511
## SENT_cooc.L.PET	0.970045034	0.9587638967	0.65353026
## ASM_cooc.L.PET	0.374611559	0.4543462415	0.27150054
## Contrast_cooc.L.PET	0.540475706	0.5895214771	0.16026507
## Dissimilarity_cooc.L.PET	0.762804720	0.7861933373	0.34125519
## Inv_diff_cooc.L.PET	0.801076966	0.7985113386	0.75143956
## Inv_diff_norm_cooc.L.PET	0.975700086	0.9649097338	0.71804043
## IDM_cooc.L.PET	0.697341586	0.7042531180	0.72567785
## IDM_norm_cooc.L.PET	0.982234161	0.9716889271	0.70685268
## Inv_var_cooc.L.PET	0.704491303	0.7235219954	0.67900297
## Correlation_cooc.L.PET	0.661908785	0.6051318090	0.60337753
## Autocorrelation_cooc.L.PET	0.673160689	0.6275250114	0.27127769
## Tendency_cooc.L.PET	0.682183282	0.6808100192	0.28340511
## Shade_cooc.L.PET	0.278594062	0.3367089173	0.13255073
## Prominence_cooc.L.PET	0.466697856	0.4966718690	0.13413769
## IC1_.L.PET	-0.332159264	-0.3702533265	-0.15012397
## IC2_.L.PET	0.874009621	0.8940906654	0.56870033
## Coarseness_vdif_.L.PET	0.409512391	0.5094531035	0.22224100
## Contrast_vdif_.L.PET	0.170729397	0.2660848124	0.01988443
## Busyness_vdif_.L.PET	0.314874893	0.2689296202	0.36629749
## Complexity_vdif_.L.PET	0.683012915	0.7413078399	0.34116155
## Strength_vdif_.L.PET	0.196389924	0.3348241400	0.04919359
## SRE_align.L.PET	0.985190250	0.9820934373	0.67352027
## LRE_align.L.PET	0.973058340	0.9487277630	0.76280343
## GLNU_align.L.PET	0.254111799	0.2056783755	0.37289795
## RLNU_align.L.PET	0.263069911	0.1867771299	0.31555165

## RP_align.L.PET	0.985352358	0.9815045710	0.67397361
## LGRE_align.L.PET	0.512167664	0.6186543183	0.46923333
## HGRE_align.L.PET	0.689763451	0.6504695167	0.27970012
## LGSRE_align.L.PET	0.518131713	0.6254296284	0.46501839
## HGSRE_align.L.PET	0.687060838	0.6516395686	0.26952832
## LGHRE_align.L.PET	0.485743993	0.5882466054	0.48442128
## HGLRE_align.L.PET	0.698708027	0.6426910392	0.32387091
## GLNU_norm_align.L.PET	0.581071685	0.6749965648	0.47976118
## RLNU_norm_align.L.PET	0.985116946	0.9802080088	0.67041092
## GLVAR_align.L.PET	0.705706722	0.7039012273	0.28157834
## RLVAR_align.L.PET	0.575737672	0.6004937330	0.60140605
## Entropy_align.L.PET	1.000000000	0.9632373534	0.67276162
## SZSE.L.PET	0.963237353	1.0000000000	0.52639964
## LZSE.L.PET	0.672761622	0.5263996396	1.00000000
## LGLZE.L.PET	0.524315236	0.6295275657	0.47915230
## HGLZE.L.PET	0.697449008	0.6604003172	0.28433007
## SZLGE.L.PET	0.537015956	0.6572761853	0.42122374
## SZHGE.L.PET	0.686755426	0.6834564569	0.18925617
## LZLGE.L.PET	0.389571780	0.4367826216	0.61009503
## LZHGE.L.PET	0.588781801	0.4243154722	0.62040912
## GLNU_area.L.PET	0.259552914	0.2181092482	0.33407018
## ZSNU.L.PET	0.268596273	0.2021142829	0.26477932
## ZSP.L.PET	0.971688853	0.9971647277	0.55632207
## GLNU_norm.L.PET	0.582627556	0.6754863558	0.47878110
## ZSNU_norm.L.PET	0.975444358	0.9784231154	0.62294815
## GLVAR_area.L.PET	0.715327715	0.7142581210	0.29115348
## ZSVAR.L.PET	0.399687622	0.3048615404	0.83440990
## Entropy_area.L.PET	0.998436318	0.9590716339	0.69281832
## Max_cooc.H.PET	0.240781388	0.3219458629	0.14846241
## Average_cooc.H.PET	0.948609052	0.9562199635	0.65514565
## Variance_cooc.H.PET	0.889907371	0.8300782593	0.62901715
## Entropy_cooc.H.PET	0.832226599	0.8191258406	0.58035712
## DAVE_cooc.H.PET	0.889016582	0.8732094510	0.56088563
## DVAR_cooc.H.PET	0.872331451	0.8499198028	0.54064949
## DENT_cooc.H.PET	0.780897140	0.7523180361	0.54411195
## SAVE_cooc.H.PET	0.965718439	0.9592539807	0.66948431
## SVAR_cooc.H.PET	0.869128619	0.8069486881	0.65383511
## SENT_cooc.H.PET	0.682996365	0.6736334580	0.52442443
## ASM_cooc.H.PET	0.232786581	0.3095371985	0.13899111
## Contrast_cooc.H.PET	0.803679281	0.7868269060	0.47170049
## Dissimilarity_cooc.H.PET	0.889016582	0.8732094510	0.56088563
## Inv_diff_cooc.H.PET	0.628019199	0.6557961476	0.48012091
## Inv_diff_norm_cooc.H.PET	0.976705992	0.9717596847	0.69670117
## IDM_cooc.H.PET	0.520994650	0.5543334925	0.40544225
## IDM_norm_cooc.H.PET	0.981376764	0.9750202975	0.69654289
## Inv_var_cooc_.H.PET	0.538762424	0.5924978837	0.41590652
## Correlation_cooc.H.PET	0.674391499	0.6097610290	0.62108588
## Autocorrelation_cooc.H.PET	0.883061968	0.9011134523	0.61068859
## Tendency_cooc.H.PET	0.856911997	0.7792021068	0.65775095
## Shade_cooc.H.PET	-0.471758750	-0.3830358476	-0.38254942
## Prominence_cooc.H.PET	0.661078342	0.5621708246	0.53616192
## IC1_d.H.PET	-0.141662020	-0.0606196147	-0.22892095
## IC2_d.H.PET	0.776779703	0.7300582160	0.67292640
## Coarseness_vdif.H.PET	0.367924221	0.4524511079	0.24787527

## Contrast_vdif.H.PET	0.277685631	0.3051384545	0.12377844
## Busyness_vdif.H.PET	0.147322461	0.1091109750	0.09540823
## Complexity_vdif.H.PET	0.636574290	0.6606635563	0.43031767
## Strength_vdif.H.PET	-0.022893283	0.0396539696	-0.03777642
## SRE_align.H.PET	0.963417995	0.9574025676	0.65796282
## LRE_align.H.PET	0.619352279	0.6018894960	0.51046581
## RLNU_align.H.PET	0.263435884	0.1917167291	0.29706410
## RP_align.H.PET	0.952503217	0.9468746012	0.64623695
## LGRE_align.H.PET	0.402481800	0.4715074435	0.28127944
## HGRE_align.H.PET	0.885341948	0.9069869427	0.61134627
## LGSRE_align.H.PET	0.399854048	0.4694146032	0.27863524
## HGSRE_align.H.PET	0.930110126	0.9560919524	0.62755422
## LGHRE_align.H.PET	0.416559324	0.4814132157	0.29968507
## HGLRE_align.H.PET	0.421477234	0.4163603670	0.33589740
## GLNU_norm_align.H.PET	0.447708963	0.5192014348	0.29217058
## RLNU_norm_align.H.PET	0.907170019	0.8990901116	0.60803767
## GLVAR_align.H.PET	0.863286912	0.7937761880	0.62128643
## RLVAR_align.H.PET	0.269952886	0.2519645789	0.27834137
## Entropy_align.H.PET	0.921347473	0.8704409035	0.67109272
## SZSE.H.PET	0.852536044	0.8765063161	0.47695561
## LZSE.H.PET	-0.051650903	-0.0625120390	-0.03192587
## LGLZE.H.PET	0.403967987	0.4718586854	0.28305053
## HGLZE.H.PET	0.833558745	0.8391139836	0.63214509
## SZLGE.H.PET	0.396480183	0.4671871032	0.27329901
## SZHGE.H.PET	0.786883683	0.8584098857	0.43191881
## LZLGE.H.PET	0.007564761	-0.0123642595	0.05780792
## LZHGE.H.PET	-0.044576728	-0.0503310494	-0.03803286
## GLNU_area.H.PET	0.289389699	0.2347356491	0.29998099
## ZSNU.H.PET	0.237554617	0.1816582626	0.20715211
## ZSP.H.PET	0.682005337	0.6923621515	0.36081193
## GLNU_norm.H.PET	0.476575269	0.5295571682	0.30654855
## ZSNU_norm.H.PET	0.727993247	0.7260639571	0.46011410
## GLVAR_area.H.PET	0.842559756	0.7723620200	0.60987115
## ZSVAR_H.PET	-0.048864751	-0.0581801708	-0.03466931
## Entropy_area.H.PET	0.957481626	0.9104817425	0.72085762
## Max_cooc.W.PET	0.271794687	0.3647717330	0.17062697
## Average_cooc.W.PET	0.574228272	0.5146554036	0.38613883
## Variance_cooc.W.PET	0.287758480	0.2597288876	0.19812660
## Entropy_cooc.W.PET	0.877331216	0.8355288004	0.61700923
## DAVE_cooc.W.PET	0.579475251	0.5551954547	0.34144895
## DVAR_cooc.W.PET	0.321497407	0.3010069929	0.18129506
## DENT_cooc.W.PET	0.851825906	0.8282368704	0.57748584
## SAVE_cooc.W.PET	0.573606106	0.5138634988	0.38569801
## SVAR_cooc.W.PET	0.259839568	0.2298047241	0.20318307
## SENT_cooc.W.PET	0.899816601	0.8715079408	0.65457934
## ASM_cooc.W.PET	0.312604008	0.4013863858	0.20245917
## Contrast_cooc.W.PET	0.334700233	0.3143281841	0.16686945
## Dissimilarity_cooc.W.PET	0.579475251	0.5551954547	0.34144895
## Inv_diff_cooc.W.PET	0.712972654	0.7320071627	0.53894188
## Inv_diff_norm_cooc.W.PET	0.975577523	0.9654899845	0.71717966
## IDM_cooc.W.PET	0.576333739	0.6017974795	0.44429847
## IDM_norm_cooc.W.PET	0.982091538	0.9719375528	0.70656906
## Inv_var_cooc.W.PET	0.649008203	0.6742352561	0.48206472
## Correlation_cooc.W.PET	0.661912736	0.6040456429	0.60518436

## Autocorrelation_cooc.W.PET	0.307498518	0.2529457454	0.20842307
## Tendency_cooc.W.PET	0.259839568	0.2298047241	0.20318307
## Shade_cooc.W.PET	0.037578703	0.0365509616	0.10140720
## Prominence_cooc.W.PET	0.017271644	0.0046362733	0.08290573
## IC1_d.W.PET	-0.158246905	-0.0857224096	-0.20923917
## IC2_d.W.PET	0.835338409	0.8076302347	0.67168233
## Coarseness_vdif.W.PET	0.373134188	0.4813645292	0.18981789
## Contrast_vdif.W.PET	0.498847997	0.5141684820	0.19852852
## Busyness_vdif.W.PET	0.254953859	0.2109771384	0.18440267
## Complexity_vdif.W.PET	0.178515598	0.1560024984	0.20532616
## Strength_vdif.W.PET	0.183140416	0.2623329145	0.14662822
## SRE_align.W.PET	0.980581950	0.9757121634	0.67440215
## LRE_align.W.PET	0.849281871	0.8276693511	0.66395020
## GLNU_align.W.PET	0.270587204	0.2055743763	0.37989231
## RLNU_align.W.PET	0.262220684	0.1897132114	0.30780918
## RP_align.W.PET	0.976929114	0.9714057040	0.67212087
## LGRE_align.W.PET	0.415836693	0.5028604232	0.28206925
## HGRE_align.W.PET	0.309945134	0.2554708976	0.21085841
## LGSRE_align.W.PET	0.450431677	0.5398064499	0.30305929
## HGSRE_align.W.PET	0.304810184	0.2525117155	0.20348950
## LGHRE_align.W.PET	0.266157215	0.3361249988	0.18763091
## HGLRE_align.W.PET	0.330567037	0.2650436032	0.24714166
## GLNU_norm_align.W.PET	0.441736284	0.5242565954	0.28599095
## RLNU_norm_align.W.PET	0.960780429	0.9526976600	0.66062787
## GLVAR_align.W.PET	0.293542355	0.2570302356	0.20997134
## RLVAR_align.W.PET	0.335280455	0.3315738958	0.31519558
## Entropy_align.W.PET	0.921989340	0.8742652867	0.66714156
## SZSE.W.PET	0.930303912	0.9631446492	0.52310293
## LZSE.W.PET	0.125638142	0.0809442122	0.22449328
## LGLZE.W.PET	0.448956529	0.5243420698	0.30830478
## HGLZE.W.PET	0.310677623	0.2587884569	0.21401087
## SZLGE.W.PET	0.520675432	0.6176216136	0.29772981
## SZHGE.W.PET	0.295008772	0.2557814863	0.17529125
## LZLGE.W.PET	-0.019202674	-0.0012842808	-0.01112340
## LZHGE.W.PET	0.363454344	0.1877642007	0.59185548
## GLNU_area.W.PET	0.285466052	0.2338777411	0.32329723
## ZSNU.W.PET	0.252551476	0.1941299788	0.24262188
## ZSP.W.PET	0.866913304	0.8851507714	0.50632856
## GLNU_norm.W.PET	0.469063727	0.5438892780	0.29848502
## ZSNU_norm.W.PET	0.860659343	0.8627961200	0.56350050
## GLVAR_area.W.PET	0.295493181	0.2596512927	0.21750373
## ZSVAR.W.PET	0.039342006	0.0122007953	0.10650856
## Entropy_area.W.PET	0.954828955	0.9055774524	0.70916499
## Min_hist.ADC	0.317311829	0.3533202123	0.13794102
## Max_hist.ADC	0.852198972	0.8524029978	0.64748004
## Mean_hist.ADC	0.825286850	0.8440021846	0.61018471
## Variance_hist.ADC	0.411689039	0.4365472740	0.33745408
## Standard_Deviation_hist.ADC	0.691801922	0.7059534541	0.52627636
## Skewness_hist.ADC	0.259158121	0.2323312240	0.14505567
## Kurtosis_hist.ADC	0.277776810	0.2464675173	0.25541181
## Energy_hist.ADC	0.394393068	0.4689415821	0.27094287
## Entropy_hist.ADC	0.940785281	0.9240178138	0.68048351
## AUC_hist.ADC	0.968065922	0.9567839194	0.67051350
## Volume.ADC	0.332672826	0.2953092976	0.26230031

## X3D_surface.ADC	0.432699871	0.4084843980	0.32856820
## ratio_3ds_vol.ADC	0.618699495	0.6539380047	0.40520450
## ratio_3ds_vol_norm.ADC	0.919091106	0.9175377122	0.65191470
## irregularity.ADC	0.947249910	0.9444931889	0.64621019
## Compactness_v1.ADC	0.644535563	0.6942235464	0.44915463
##	LGLZE.L.PET	HGLZE.L.PET	SZLGE.L.PET
## Failure	0.0074768250	0.108245924	0.0190012729
## Entropy_cooc.W.ADC	-0.0238784844	-0.073110124	-0.0298522517
## GLNU_align.H.PET	0.0202348833	-0.176448000	-0.0007235866
## Min_hist.PET	0.2707608914	0.322667961	0.2827229379
## Max_hist.PET	0.3070579573	0.171803422	0.3012395672
## Mean_hist.PET	0.2106199813	0.333537188	0.2210925677
## Variance_hist.PET	0.0758069670	0.103037666	0.0736422560
## Standard_Deviation_hist.PET	0.2487781384	0.277369074	0.2500346081
## Skewness_hist.PET	0.7869471832	-0.113015338	0.7563242852
## Kurtosis_hist.PET	0.5625847878	-0.366643338	0.5176147576
## Energy_hist.PET	0.6855431845	0.359254725	0.7209957793
## Entropy_hist.PET	0.4889405837	0.403239218	0.4848385859
## AUC_hist.PET	0.6751722757	0.610752426	0.6845360211
## H_suv.PET	0.2583123129	0.403106039	0.2743470419
## Volume.PET	0.0469096107	-0.056696128	0.0381274566
## X3D_surface.PET	0.1430908912	-0.065720031	0.1319580796
## ratio_3ds_vol.PET	0.6872148342	0.454050437	0.7084227751
## ratio_3ds_vol_norm.PET	0.6576141178	0.251036966	0.6584065574
## irregularity.PET	0.6724772919	0.651516278	0.6867641375
## tumor_length.PET	0.4052637780	0.161038174	0.3923527338
## Compactness_v1.PET	0.6516950841	0.342364618	0.6835318116
## Compactness_v2.PET	-0.0881908150	0.078013001	-0.0901922046
## Spherical_disproportion.PET	0.6576141178	0.251036966	0.6584065574
## Sphericity.PET	-0.1556248497	0.076816819	-0.1626728491
## Asphericity.PET	0.6492825941	0.234937334	0.6498355418
## Center_of_mass.PET	0.2798033803	0.015472228	0.2613984677
## Max_3D_diam.PET	0.0858688100	0.028955520	0.0671172446
## Major_axis_length.PET	0.1492153649	0.082363529	0.1370389346
## Minor_axis_length.PET	0.3472940520	0.146814705	0.3279613867
## Least_axis_length.PET	0.2144672367	0.120596714	0.1928202266
## Elongation.PET	0.6327185609	0.588984369	0.6383375802
## Flatness.PET	0.5324150319	0.570218649	0.5308524876
## Max_cooc.L.PET	0.7211640483	0.297338821	0.7482004586
## Average_cooc.L.PET	0.2617824132	0.958451679	0.2985922822
## Variance_cooc.L.PET	0.3382003830	0.848902267	0.3747339197
## Entropy_cooc.L.PET	0.5189145557	0.685363850	0.5315092089
## DAVE_cooc.L.PET	0.4131843207	0.840189189	0.4505268655
## DVAR_cooc.L.PET	0.5162483870	0.683545862	0.5423916924
## DENT_cooc.L.PET	0.5673733562	0.750024151	0.5870198908
## SAVE_cooc.L.PET	0.2610749744	0.958484193	0.2978608749
## SVAR_cooc.L.PET	0.3220884517	0.828064725	0.3523505350
## SENT_cooc.L.PET	0.6150767701	0.714253019	0.6311860555
## ASM_cooc.L.PET	0.6848720693	0.292478237	0.7151868607
## Contrast_cooc.L.PET	0.3180869005	0.767707036	0.3596560667
## Dissimilarity_cooc.L.PET	0.4131843207	0.840189189	0.4505268655
## Inv_diff_cooc.L.PET	0.7350899142	0.259176250	0.7208442096
## Inv_diff_norm_cooc.L.PET	0.6566974236	0.574521818	0.6612362117
## IDM_cooc.L.PET	0.7570489180	0.152686240	0.7385914113

## IDM_norm_cooc.L.PET	0.6473837650	0.603879768	0.6541442222
## Inv_var_cooc.L.PET	0.7475277695	0.155609591	0.7350465250
## Correlation_cooc.L.PET	0.4339350426	0.230277490	0.4177484285
## Autocorrelation_cooc.L.PET	0.0787642589	0.986469323	0.1208778554
## Tendency_cooc.L.PET	0.3220884517	0.828064725	0.3523505350
## Shade_cooc.L.PET	0.4118281160	0.026876024	0.4003016364
## Prominence_cooc.L.PET	0.3074523032	0.640006270	0.3299125076
## IC1_.L.PET	-0.1684154240	-0.532173350	-0.1776638350
## IC2_.L.PET	0.6339643534	0.719534358	0.6528552799
## Coarseness_vdif_.L.PET	0.6487171890	0.484283001	0.6878151521
## Contrast_vdif_.L.PET	0.2776495354	0.427091504	0.3100547832
## Busyness_vdif_.L.PET	0.1764593674	-0.143506018	0.1492432088
## Complexity_vdif_.L.PET	0.5375357492	0.695123281	0.5705576427
## Strength_vdif_.L.PET	0.5068952246	0.330188301	0.5254884390
## SRE_align.L.PET	0.6411202604	0.651359458	0.6530711660
## LRE_align.L.PET	0.6528836207	0.574356465	0.6519269287
## GLNU_align.L.PET	0.1510498665	-0.190204246	0.1208755756
## RLNU_align.L.PET	0.0052366443	-0.098792964	-0.0150633786
## RP_align.L.PET	0.6394792357	0.655930596	0.6514889423
## LGRE_align.L.PET	0.9979605226	0.089059660	0.9884407220
## HGRE_align.L.PET	0.0970942449	0.999129873	0.1412389677
## LGSRE_align.L.PET	0.9982057450	0.101811573	0.9905177519
## HGSRE_align.L.PET	0.1003773110	0.999249405	0.1454289503
## LGHRE_align.L.PET	0.9919478242	0.037294006	0.9752402593
## HGLRE_align.L.PET	0.0835631568	0.995109140	0.1234786643
## GLNU_norm_align.L.PET	0.8862493850	0.293985256	0.8989983717
## RLNU_norm_align.L.PET	0.6340171456	0.671208163	0.6467527392
## GLVAR_align.L.PET	0.2975301356	0.908436395	0.3362527350
## RLVAR_align.L.PET	0.7590761409	0.172136698	0.7564743886
## Entropy_align.L.PET	0.5243152357	0.697449008	0.5370159557
## SZSE.L.PET	0.6295275657	0.660400317	0.6572761853
## LZSE.L.PET	0.4791522996	0.284330074	0.4212237362
## LGLZE.L.PET	1.0000000000	0.107639395	0.9937997230
## HGLZE.L.PET	0.1076393949	1.0000000000	0.1516467199
## SZLGE.L.PET	0.9937997230	0.151646720	1.0000000000
## SZHGE.L.PET	0.1248906453	0.989515716	0.1786616123
## LZLGE.L.PET	0.9038843903	-0.095857797	0.8539173082
## LZHGE.L.PET	0.0272219072	0.810726074	0.0213880707
## GLNU_area.L.PET	0.1360792388	-0.176616036	0.1109564492
## ZSNU.L.PET	-0.0128325886	-0.078107664	-0.0269682980
## ZSP.L.PET	0.6231102269	0.682925209	0.6485538178
## GLNU_norm.L.PET	0.8827466805	0.296228497	0.8963220868
## ZSNU_norm.L.PET	0.6168779298	0.707608692	0.6359640560
## GLVAR_area.L.PET	0.3070863041	0.910506983	0.3463590703
## ZSVAR.L.PET	0.4948773753	-0.055009043	0.4325633068
## Entropy_area.L.PET	0.5340288244	0.668952873	0.5433252668
## Max_cooc.H.PET	0.4453660909	0.214731286	0.4507762587
## Average_cooc.H.PET	0.6547451556	0.634460792	0.6628568406
## Variance_cooc.H.PET	0.3651893111	0.625365363	0.3774252543
## Entropy_cooc.H.PET	0.5337492769	0.492079454	0.5352879343
## DAVE_cooc.H.PET	0.4579996589	0.676449605	0.4785307733
## DVAR_cooc.H.PET	0.3786744584	0.720789426	0.4020016235
## DENT_cooc.H.PET	0.4103145192	0.391085666	0.4167872702
## SAVE_cooc.H.PET	0.6237975702	0.627154960	0.6323164966

## SVAR_cooc.H.PET	0.3963084512	0.518870753	0.4058271259
## SENT_cooc.H.PET	0.5635090259	0.472881568	0.5763343326
## ASM_cooc.H.PET	0.4258363098	0.233792969	0.4339930656
## Contrast_cooc.H.PET	0.3480343757	0.680848605	0.3729568991
## Dissimilarity_cooc.H.PET	0.4579996589	0.676449605	0.4785307733
## Inv_diff_cooc.H.PET	0.5669215316	0.405636348	0.5684405215
## Inv_diff_norm_cooc.H.PET	0.6617555384	0.616070751	0.6692020673
## IDM_cooc.H.PET	0.5120372600	0.347374197	0.5131748090
## IDM_norm_cooc.H.PET	0.6557424990	0.622376331	0.6638526727
## Inv_var_cooc.H.PET	0.7275131937	0.262483578	0.7463612285
## Correlation_cooc.H.PET	0.4271096649	0.250274654	0.4129204978
## Autocorrelation_cooc.H.PET	0.6513315566	0.600102925	0.6576209172
## Tendency_cooc.H.PET	0.3417228096	0.539469278	0.3460074961
## Shade_cooc.H.PET	0.0090064625	-0.460031163	-0.0023213226
## Prominence_cooc.H.PET	0.1330320723	0.414559672	0.1350720112
## IC1_d.H.PET	0.1172104912	0.061144360	0.1518380935
## IC2_d.H.PET	0.5260611427	0.340168705	0.5145240216
## Coarseness_vdif.H.PET	0.6795422852	0.317536999	0.7113528923
## Contrast_vdif.H.PET	0.1029203308	0.534914061	0.1269533915
## Busyness_vdif.H.PET	-0.1220585568	-0.100167801	-0.1375783532
## Complexity_vdif.H.PET	0.5523728796	0.620411792	0.5799912834
## Strength_vdif.H.PET	0.1857466552	0.028185916	0.1737818595
## SRE_align.H.PET	0.6205562537	0.625752627	0.6327678262
## LRE_align.H.PET	0.4269253637	0.385322898	0.4208667254
## RLNU_align.H.PET	-0.0001390389	-0.079603890	-0.0171948677
## RP_align.H.PET	0.6088177993	0.628695182	0.6217653736
## LGRE_align.H.PET	0.6460302729	0.325949400	0.6786552281
## HGRE_align.H.PET	0.6453324775	0.596415900	0.6516522495
## LGSRE_align.H.PET	0.6458952238	0.324646973	0.6786133917
## HGSRE_align.H.PET	0.6796496674	0.614584199	0.6888554832
## LGHRE_align.H.PET	0.6471034975	0.331691975	0.6786804116
## HGLRE_align.H.PET	0.2989336217	0.295464220	0.2936032185
## GLNU_norm_align.H.PET	0.5399159531	0.362135792	0.5489599342
## RLNU_norm_align.H.PET	0.5681462575	0.603748679	0.5817223506
## GLVAR_align.H.PET	0.3177358661	0.597825179	0.3281191691
## RLVAR_align.H.PET	0.2271042034	0.130527694	0.2176343554
## Entropy_align.H.PET	0.4706598510	0.520044544	0.4737835374
## SZSE.H.PET	0.5547714885	0.507635573	0.5765221052
## LZSE.H.PET	-0.0813051125	-0.047042800	-0.0878986931
## LGLZE.H.PET	0.6404493663	0.329048211	0.6732372764
## HGLZE.H.PET	0.6484006479	0.417054947	0.6384231259
## SZLGE.H.PET	0.6424024651	0.322961139	0.6756349918
## SZHGE.H.PET	0.6644528404	0.407905294	0.6782469980
## LZLGE.H.PET	-0.0046336163	0.014477372	-0.0120856805
## LZHGE.H.PET	-0.0653502836	-0.012928262	-0.0718262099
## GLNU_area.H.PET	0.0620064728	-0.104440415	0.0430120863
## ZSNU.H.PET	-0.0406062823	-0.053325981	-0.0485326936
## ZSP.H.PET	0.3916779546	0.429327774	0.4117791646
## GLNU_norm.H.PET	0.4855561640	0.435454985	0.4991993576
## ZSNU_norm.H.PET	0.4620218412	0.426489303	0.4746742456
## GLVAR_area.H.PET	0.2954367275	0.560464868	0.3050432993
## ZSVAR.H.PET	-0.0762386161	-0.026645078	-0.0820503661
## Entropy_area.H.PET	0.5328555036	0.528944381	0.5339447815
## Max_cooc.W.PET	0.5480869031	0.249797186	0.5608161268

## Average_cooc.W.PET	0.1392956836	0.352344324	0.1467812366
## Variance_cooc.W.PET	0.1031859513	0.095865754	0.1002466793
## Entropy_cooc.W.PET	0.4521026085	0.508798088	0.4577290823
## DAVE_cooc.W.PET	0.2499473169	0.363142114	0.2592655197
## DVAR_cooc.W.PET	0.0947336082	0.160155227	0.0965889670
## DENT_cooc.W.PET	0.4848573431	0.509335203	0.4928255501
## SAVE_cooc.W.PET	0.1379659977	0.351814469	0.1453878292
## SVAR_cooc.W.PET	0.1068606876	0.052569625	0.1008705698
## SENT_cooc.W.PET	0.5634320974	0.532609462	0.5698946875
## ASM_cooc.W.PET	0.5937248602	0.290028140	0.6132340150
## Contrast_cooc.W.PET	0.0835131836	0.200294955	0.0887844225
## Dissimilarity_cooc.W.PET	0.2499473169	0.363142114	0.2592655197
## Inv_diff_cooc.W.PET	0.5848575888	0.487480716	0.5899004078
## Inv_diff_norm_cooc.W.PET	0.6578794354	0.577513134	0.6625665791
## IDM_cooc.W.PET	0.5135527703	0.408867928	0.5173676549
## IDM_norm_cooc.W.PET	0.6482078645	0.605215400	0.6550782679
## Inv_var_cooc.W.PET	0.5474943723	0.456962133	0.5559077218
## Correlation_cooc.W.PET	0.4338549466	0.224789119	0.4174539843
## Autocorrelation_cooc.W.PET	-0.0255529117	0.161045651	-0.0215208330
## Tendency_cooc.W.PET	0.1068606876	0.052569625	0.1008705698
## Shade_cooc.W.PET	0.1209337633	-0.126753489	0.1043219378
## Prominence_cooc.W.PET	0.0494367038	-0.097550996	0.0364542736
## IC1_d.W.PET	0.1205226529	0.015201231	0.1565345060
## IC2_d.W.PET	0.5850046533	0.437423324	0.5785682496
## Coarseness_vdif.W.PET	0.6036674684	0.513706114	0.6438573104
## Contrast_vdif.W.PET	0.3072110206	0.511706178	0.3331424913
## Busyness_vdif.W.PET	0.0512240542	0.111200596	0.0379962975
## Complexity_vdif.W.PET	0.0870691372	-0.056574873	0.0746402871
## Strength_vdif.W.PET	0.4902830702	0.025000920	0.4781098568
## SRE_align.W.PET	0.6378217034	0.634603783	0.6493189734
## LRE_align.W.PET	0.5646149115	0.542994596	0.5627767672
## GLNU_align.W.PET	0.1180050633	-0.164592776	0.0857183739
## RLNU_align.W.PET	0.0091442076	-0.093772503	-0.0097522489
## RP_align.W.PET	0.6331904386	0.635532015	0.6447966803
## LGRE_align.W.PET	0.6604102429	0.252139270	0.6635862754
## HGRE_align.W.PET	-0.0275834993	0.155002539	-0.0239240211
## LGSRE_align.W.PET	0.6962388892	0.277689057	0.7013803528
## HGSRE_align.W.PET	-0.0268396725	0.151640236	-0.0230159750
## LCHRE_align.W.PET	0.4829449477	0.140620534	0.4785224711
## HGLRE_align.W.PET	-0.0314315580	0.167624901	-0.0291626098
## GLNU_norm_align.W.PET	0.5929055045	0.361987321	0.6047134815
## RLNU_norm_align.W.PET	0.6170982733	0.624256383	0.6287296515
## GLVAR_align.W.PET	0.0749763012	0.100476032	0.0725180025
## RLVAR_align.W.PET	0.3224423371	0.199162638	0.3175687158
## Entropy_align.W.PET	0.4749368958	0.530069277	0.4790400039
## SZSE.W.PET	0.6151916972	0.593961743	0.6400074067
## LZSE.W.PET	0.0619881703	0.132234393	0.0400569485
## LGLZE.W.PET	0.6422411704	0.281868663	0.6484443619
## HGLZE.W.PET	-0.0141923684	0.146648927	-0.0117876283
## SZLGE.W.PET	0.7193847239	0.321037051	0.7365810424
## SZHGE.W.PET	-0.0082030553	0.135128706	-0.0036699994
## LZLGE.W.PET	0.0525658841	-0.012183725	0.0376730735
## LZHGE.W.PET	-0.0500208130	0.210290493	-0.0795351454
## GLNU_area.W.PET	0.0999691190	-0.137741567	0.0766793180

## ZSNU.W.PET	-0.0107169856	-0.073256133	-0.0222817157
## ZSP.W.PET	0.5522640935	0.548213065	0.5739673524
## GLNU_norm.W.PET	0.5711446692	0.411257094	0.5873700253
## ZSNU_norm.W.PET	0.5591554047	0.539885427	0.5732830186
## GLVAR_area.W.PET	0.0829899705	0.094013215	0.0798999793
## ZSVAR.W.PET	0.0054257294	0.073695296	-0.0105082816
## Entropy_area.W.PET	0.5143395942	0.540210528	0.5158369297
## Min_hist.ADC	0.1917069228	0.400639130	0.2061721702
## Max_hist.ADC	0.5969164990	0.437262760	0.5964609208
## Mean_hist.ADC	0.6088786278	0.513679890	0.6102494682
## Variance_hist.ADC	0.4159566588	0.100673522	0.4108953582
## Standard_Deviation_hist.ADC	0.5467157159	0.321554766	0.5454717052
## Skewness_hist.ADC	0.0650065056	0.179482706	0.0756846539
## Kurtosis_hist.ADC	0.1874333599	0.092146152	0.1821115767
## Energy_hist.ADC	0.6667919294	0.338430440	0.6986790659
## Entropy_hist.ADC	0.5937689152	0.528482377	0.5991294679
## AUC_hist.ADC	0.6120842293	0.627105062	0.6242116565
## Volume.ADC	0.0476684205	-0.054210015	0.0417405254
## X3D_surface.ADC	0.2241807580	0.062855078	0.2259810908
## ratio_3ds_vol.ADC	0.5106909321	0.583871872	0.5249438507
## ratio_3ds_vol_norm.ADC	0.6037315765	0.514587296	0.6101491761
## irregularity.ADC	0.6050108216	0.680082072	0.6181437037
## Compactness_v1.ADC	0.7274199178	0.503298150	0.7554394689
##	SZHGE.L.PET	LZLGE.L.PET	LZHGE.L.PET
## Failure	0.120950629	-0.033669686	0.030047639
## Entropy_cooc.W.ADC	-0.086265967	0.022306698	-0.002658899
## GLNU_align.H.PET	-0.204136234	0.105795816	-0.020918734
## Min_hist.PET	0.326208758	0.167525646	0.246403966
## Max_hist.PET	0.170227665	0.293445479	0.156004543
## Mean_hist.PET	0.332026094	0.128637265	0.276614161
## Variance_hist.PET	0.104379990	0.096418205	0.086017132
## Standard_Deviation_hist.PET	0.276316098	0.212293170	0.232713896
## Skewness_hist.PET	-0.086192691	0.810993449	-0.188419430
## Kurtosis_hist.PET	-0.351986335	0.705356202	-0.337348409
## Energy_hist.PET	0.372154821	0.470532149	0.235696149
## Entropy_hist.PET	0.388836334	0.440616440	0.376823354
## AUC_hist.PET	0.607766208	0.541348229	0.493339962
## H_suv.PET	0.406772304	0.153618077	0.311683731
## Volume.PET	-0.058429292	0.093932163	-0.040480141
## X3D_surface.PET	-0.073814832	0.176942756	-0.010607822
## ratio_3ds_vol.PET	0.473600878	0.513354532	0.283695551
## ratio_3ds_vol_norm.PET	0.249245210	0.580366910	0.220149853
## irregularity.PET	0.657925286	0.514342929	0.487360555
## tumor_length.PET	0.144926380	0.412335839	0.203763183
## Compactness_v1.PET	0.353503454	0.455323761	0.227079528
## Compactness_v2.PET	0.086137696	-0.074327772	0.023010332
## Spherical_disproportion.PET	0.249245210	0.580366910	0.220149853
## Sphericity.PET	0.081839723	-0.119370645	0.033430214
## Asphericity.PET	0.233285382	0.574716969	0.207196072
## Center_of_mass.PET	0.009295949	0.353091364	0.048889282
## Max_3D_diam.PET	0.020164001	0.146887575	0.062962083
## Major_axis_length.PET	0.073120613	0.178629358	0.109054137
## Minor_axis_length.PET	0.128670517	0.385833710	0.199204066
## Least_axis_length.PET	0.097484557	0.277771504	0.193976356

## Elongation.PET	0.574551165	0.524983975	0.522897683
## Flatness.PET	0.544873318	0.462950799	0.549299160
## Max_cooc.L.PET	0.305593035	0.539627589	0.206137202
## Average_cooc.L.PET	0.945913040	0.060885445	0.791117359
## Variance_cooc.L.PET	0.858262319	0.118803431	0.618214658
## Entropy_cooc.L.PET	0.675805281	0.383434065	0.573977134
## DAVE_cooc.L.PET	0.852326401	0.183763299	0.603609334
## DVAR_cooc.L.PET	0.705600119	0.337730835	0.445794184
## DENT_cooc.L.PET	0.749593946	0.393821140	0.587405662
## SAVE_cooc.L.PET	0.945931117	0.060335274	0.791189508
## SVAR_cooc.L.PET	0.829385542	0.127878594	0.631542047
## SENT_cooc.L.PET	0.706777634	0.453547198	0.589585939
## ASM_cooc.L.PET	0.300525008	0.493696710	0.203151798
## Contrast_cooc.L.PET	0.788573283	0.088263241	0.513819973
## Dissimilarity_cooc.L.PET	0.852326401	0.183763299	0.603609334
## Inv_diff_cooc.L.PET	0.244908159	0.708038332	0.273130655
## Inv_diff_norm_cooc.L.PET	0.567445325	0.544321480	0.482459221
## IDM_cooc.L.PET	0.136890626	0.751719364	0.198547150
## IDM_norm_cooc.L.PET	0.597511020	0.525480468	0.501655179
## Inv_var_cooc.L.PET	0.149428377	0.724417571	0.161861756
## Correlation_cooc.L.PET	0.203905164	0.441562697	0.290079808
## Autocorrelation_cooc.L.PET	0.970195330	-0.115387667	0.821269882
## Tendency_cooc.L.PET	0.829385542	0.127878594	0.631542047
## Shade_cooc.L.PET	0.056991139	0.369109526	-0.095043321
## Prominence_cooc.L.PET	0.650619959	0.144148012	0.448654763
## IC1_.L.PET	-0.541289796	-0.086711999	-0.377841424
## IC2_.L.PET	0.719887450	0.458657134	0.563576206
## Coarseness_vdif_.L.PET	0.498952119	0.418348814	0.320526303
## Contrast_vdif_.L.PET	0.451907619	0.105557413	0.240172093
## Busyness_vdif_.L.PET	-0.153277305	0.269514346	-0.065153458
## Complexity_vdif_.L.PET	0.713599623	0.312957871	0.472084209
## Strength_vdif_.L.PET	0.362274551	0.356779845	0.130439629
## SRE_align.L.PET	0.649134318	0.498014835	0.521071142
## LRE_align.L.PET	0.558688989	0.559525993	0.518073895
## GLNU_align.L.PET	-0.205140881	0.263037477	-0.076067343
## RLNU_align.L.PET	-0.119141820	0.087823202	0.014344887
## RP_align.L.PET	0.653216855	0.495613302	0.526480227
## LGRE_align.L.PET	0.107418915	0.915043255	0.008019716
## HGRE_align.L.PET	0.986568240	-0.105320136	0.817522962
## LGSRE_align.L.PET	0.120786993	0.907263140	0.015415540
## HGSRE_align.L.PET	0.988744619	-0.105520623	0.809262881
## LGHRE_align.L.PET	0.052979599	0.942037949	-0.021387330
## HGLRE_align.L.PET	0.973599229	-0.102722382	0.850942486
## GLNU_norm_align.L.PET	0.306064770	0.736974409	0.191983245
## RLNU_norm_align.L.PET	0.667830572	0.486234699	0.540651670
## GLVAR_align.L.PET	0.910166514	0.077747555	0.693590073
## RLVAR_align.L.PET	0.159083280	0.696167686	0.202457868
## Entropy_align.L.PET	0.686755426	0.389571780	0.588781801
## SZSE.L.PET	0.683456457	0.436782622	0.424315472
## LZSE.L.PET	0.189256174	0.610095029	0.620409121
## LGLZE.L.PET	0.124890645	0.903884390	0.027221907
## HGLZE.L.PET	0.989515716	-0.095857797	0.810726074
## SZLGE.L.PET	0.178661612	0.853917308	0.021388071
## SZHGE.L.PET	1.000000000	-0.110991720	0.718324859

## LZLGE.L.PET	-0.110991720	1.000000000	0.001028335
## LZHGE.L.PET	0.718324859	0.001028335	1.000000000
## GLNU_area.L.PET	-0.185492787	0.230939003	-0.091090433
## ZSNU.L.PET	-0.090462241	0.049580324	-0.003712481
## ZSP.L.PET	0.699210120	0.434117053	0.468434705
## GLNU_norm.L.PET	0.308069301	0.730314610	0.194501314
## ZSNU_norm.L.PET	0.709581010	0.445681000	0.546406807
## GLVAR_area.L.PET	0.913252454	0.084908256	0.692147225
## ZSVAR.L.PET	-0.129575299	0.688778488	0.284868904
## Entropy_area.L.PET	0.656580885	0.412795837	0.574519009
## Max_cooc.H.PET	0.225199893	0.374082134	0.118988760
## Average_cooc.H.PET	0.631955289	0.523759562	0.506568643
## Variance_cooc.H.PET	0.609189126	0.259530827	0.558702432
## Entropy_cooc.H.PET	0.492231138	0.449545224	0.393330794
## DAVE_cooc.H.PET	0.676607079	0.299474615	0.531174817
## DVAR_cooc.H.PET	0.717424408	0.221739703	0.575669796
## DENT_cooc.H.PET	0.388665566	0.316016645	0.317628469
## SAVE_cooc.H.PET	0.622121412	0.492294145	0.510857324
## SVAR_cooc.H.PET	0.498142777	0.300678843	0.492408498
## SENT_cooc.H.PET	0.463630789	0.432940004	0.419785505
## ASM_cooc.H.PET	0.242033989	0.355362392	0.142277152
## Contrast_cooc.H.PET	0.682462254	0.187863603	0.526396484
## Dissimilarity_cooc.H.PET	0.676607079	0.299474615	0.531174817
## Inv_diff_cooc.H.PET	0.399334895	0.489392904	0.337565072
## Inv_diff_norm_cooc.H.PET	0.610596609	0.535258120	0.507004045
## IDM_cooc.H.PET	0.341458222	0.445227151	0.288843527
## IDM_norm_cooc.H.PET	0.617170294	0.526519030	0.511159428
## Inv_var_cooc.H.PET	0.270513657	0.573858584	0.185390675
## Correlation_cooc.H.PET	0.220574049	0.429983048	0.321400995
## Autocorrelation_cooc.H.PET	0.597704780	0.530195535	0.477378358
## Tendency_cooc.H.PET	0.515127599	0.274981831	0.526198505
## Shade_cooc.H.PET	-0.424243428	0.047622640	-0.503497424
## Prominence_cooc.H.PET	0.384789119	0.109466879	0.452991113
## IC1_d.H.PET	0.088032028	-0.029568907	-0.057582683
## IC2_d.H.PET	0.317507740	0.495322597	0.364673973
## Coarseness_vdif.H.PET	0.327445970	0.481505329	0.214487902
## Contrast_vdif.H.PET	0.528414234	-0.002506500	0.428550895
## Busyness_vdif.H.PET	-0.097372505	-0.054782866	-0.092819287
## Complexity_vdif.H.PET	0.617019125	0.362808703	0.504103845
## Strength_vdif.H.PET	0.038775690	0.226679625	-0.021855578
## SRE_align.H.PET	0.625276528	0.478373831	0.497280456
## LRE_align.H.PET	0.366157098	0.387476067	0.371703175
## RLNU_align.H.PET	-0.097364333	0.071505914	0.019838201
## RP_align.H.PET	0.628736065	0.464772284	0.497816015
## LGRE_align.H.PET	0.332303695	0.449961135	0.236764895
## HGRE_align.H.PET	0.597203259	0.527300147	0.462143570
## LGSRE_align.H.PET	0.331189151	0.449473914	0.234967139
## HGSRE_align.H.PET	0.621507073	0.542832597	0.455591941
## LGHRE_align.H.PET	0.336211509	0.454834138	0.248669113
## HGLRE_align.H.PET	0.280356054	0.282441225	0.282742940
## GLNU_norm_align.H.PET	0.369539487	0.435182310	0.246610384
## RLNU_norm_align.H.PET	0.605148583	0.426120673	0.474300852
## GLVAR_align.H.PET	0.578444625	0.226706655	0.550635346
## RLVAR_align.H.PET	0.110710716	0.236288580	0.174139862

## Entropy_align.H.PET	0.508470199	0.387394194	0.460608699
## SZSE.H.PET	0.532925216	0.397116583	0.304304990
## LZSE.H.PET	-0.048113761	-0.034147468	-0.035800823
## LGLZE.H.PET	0.334962741	0.444487472	0.241295638
## HGLZE.H.PET	0.414245404	0.586362979	0.336962726
## SZLGE.H.PET	0.330137338	0.444817621	0.231284551
## SZHGE.H.PET	0.451354651	0.521845449	0.152868873
## LZLGE.H.PET	0.003645337	0.036402727	0.051307695
## LZHGE.H.PET	-0.014900346	-0.019601593	-0.008642033
## GLNU_area.H.PET	-0.113496485	0.134042178	-0.038511173
## ZSNU.H.PET	-0.060689977	0.003310765	-0.003102544
## ZSP.H.PET	0.451656398	0.254737050	0.254675909
## GLNU_norm.H.PET	0.435368384	0.365513138	0.331351596
## ZSNU_norm.H.PET	0.437914844	0.343515137	0.299104276
## GLVAR_area.H.PET	0.541680877	0.209949813	0.519123129
## ZSVAR_H.PET	-0.027955413	-0.032179935	-0.020893116
## Entropy_area.H.PET	0.514443799	0.448495287	0.477871918
## Max_cooc.W.PET	0.261546552	0.443963091	0.144576314
## Average_cooc.W.PET	0.344103876	0.089333890	0.319523352
## Variance_cooc.W.PET	0.100615573	0.121234583	0.065936586
## Entropy_cooc.W.PET	0.502780670	0.358632697	0.430735506
## DAVE_cooc.W.PET	0.370206518	0.168175102	0.262948045
## DVAR_cooc.W.PET	0.168730162	0.081079599	0.097638549
## DENT_cooc.W.PET	0.509867465	0.374931193	0.405015035
## SAVE_cooc.W.PET	0.343556793	0.088394091	0.319167844
## SVAR_cooc.W.PET	0.055339382	0.144231659	0.041655421
## SENT_cooc.W.PET	0.525450831	0.451972252	0.455007675
## ASM_cooc.W.PET	0.299526828	0.460818637	0.186968019
## Contrast_cooc.W.PET	0.209795563	0.049603640	0.123362694
## Dissimilarity_cooc.W.PET	0.370206518	0.168175102	0.262948045
## Inv_diff_cooc.W.PET	0.478216194	0.487479872	0.413968441
## Inv_diff_norm_cooc.W.PET	0.570510449	0.544838210	0.484404680
## IDM_cooc.W.PET	0.399839281	0.433908182	0.349127663
## IDM_norm_cooc.W.PET	0.598907629	0.525808184	0.502472474
## Inv_var_cooc.W.PET	0.449955979	0.444697600	0.379726093
## Correlation_cooc.W.PET	0.198235813	0.442041096	0.286717036
## Autocorrelation_cooc.W.PET	0.154528930	-0.024885688	0.163854544
## Tendency_cooc.W.PET	0.055339382	0.144231659	0.041655421
## Shade_cooc.W.PET	-0.118780015	0.237485515	-0.121911592
## Prominence_cooc.W.PET	-0.094742820	0.170759612	-0.078908829
## IC1_d.W.PET	0.036019458	-0.021926296	-0.068273786
## IC2_d.W.PET	0.422171793	0.519574366	0.409596143
## Coarseness_vdif.W.PET	0.530796782	0.375827323	0.334020166
## Contrast_vdif.W.PET	0.527963643	0.144565516	0.336236960
## Busyness_vdif.W.PET	0.096786854	0.077520460	0.135860724
## Complexity_vdif.W.PET	-0.056175076	0.171015804	-0.030184012
## Strength_vdif.W.PET	0.049411037	0.463412177	-0.071592259
## SRE_align.W.PET	0.633055712	0.496933003	0.507175850
## LRE_align.W.PET	0.523813875	0.487285262	0.499313576
## GLNU_align.W.PET	-0.185974242	0.233322601	-0.036476004
## RLNU_align.W.PET	-0.112408840	0.086769925	0.012169622
## RP_align.W.PET	0.633891617	0.491889405	0.508652694
## LGRE_align.W.PET	0.264500092	0.556443720	0.143354538
## HGRE_align.W.PET	0.149045853	-0.023978484	0.156847265

## LGSRE_align.W.PET	0.290935813	0.578093778	0.160554923
## HGSRE_align.W.PET	0.146799260	-0.023771648	0.149507587
## LGHRE_align.W.PET	0.148849043	0.438789406	0.070510183
## HGLRE_align.W.PET	0.155788832	-0.023123331	0.191325254
## GLNU_norm_align.W.PET	0.371719271	0.474211882	0.238696076
## RLNU_norm_align.W.PET	0.622914722	0.476619136	0.499913878
## GLVAR_align.W.PET	0.101750963	0.097219330	0.084449591
## RLVAR_align.W.PET	0.181263334	0.303837661	0.220362224
## Entropy_align.W.PET	0.519589084	0.386843779	0.464271810
## SZSE.W.PET	0.618080163	0.437342786	0.372765312
## LZSE.W.PET	0.096964543	0.131570224	0.235792314
## LGLZE.W.PET	0.289260042	0.528082373	0.184877642
## HGLZE.W.PET	0.141968284	-0.006936649	0.145124880
## SZLGE.W.PET	0.340593383	0.557642460	0.167111435
## SZHGE.W.PET	0.137423343	-0.007891981	0.106945858
## LZLGE.W.PET	-0.012148329	0.112677674	-0.016000660
## LZHGE.W.PET	0.126442289	0.057104919	0.517890800
## GLNU_area.W.PET	-0.148074428	0.185782788	-0.060027055
## ZSNU.W.PET	-0.082689286	0.043804799	-0.009883966
## ZSP.W.PET	0.567632530	0.390317691	0.358403321
## GLNU_norm.W.PET	0.418295499	0.436112245	0.286229639
## ZSNU_norm.W.PET	0.547520559	0.420451990	0.400379739
## GLVAR_area.W.PET	0.095261397	0.107190510	0.079896049
## ZSVAR.W.PET	0.051216857	0.065951899	0.138277517
## Entropy_area.W.PET	0.526327240	0.430315560	0.484988109
## Min_hist.ADC	0.406699197	0.096445983	0.284336080
## Max_hist.ADC	0.434333523	0.518705574	0.361228088
## Mean_hist.ADC	0.510959597	0.504562313	0.413294572
## Variance_hist.ADC	0.104917126	0.402514459	0.065242918
## Standard_Deviation_hist.ADC	0.322432526	0.490307777	0.252904314
## Skewness_hist.ADC	0.176030497	0.016315975	0.162500932
## Kurtosis_hist.ADC	0.082305640	0.159086792	0.122650245
## Energy_hist.ADC	0.344649266	0.467999044	0.244652314
## Entropy_hist.ADC	0.524351306	0.489709964	0.435444971
## AUC_hist.ADC	0.621879440	0.473399302	0.515308272
## Volume.ADC	-0.053304747	0.083959325	-0.048305706
## X3D_surface.ADC	0.063437135	0.204570565	0.055765683
## ratio_3ds_vol.ADC	0.580914809	0.369516112	0.464049831
## ratio_3ds_vol_norm.ADC	0.515090478	0.494924763	0.403657327
## irregularity.ADC	0.674602720	0.459778530	0.555171330
## Compactness_v1.ADC	0.504106915	0.525673204	0.396013415
##	GLNU_area.L.PET	ZSNU.L.PET	ZSP.L.PET
## Failure	-0.166937584	-0.191466546	0.028320476
## Entropy_cooc.W.ADC	0.153811197	0.139832476	-0.002522546
## GLNU_align.H.PET	0.292583357	0.275190981	-0.093462876
## Min_hist.PET	0.305802543	0.347356449	0.529815448
## Max_hist.PET	0.510454213	0.497157331	0.510952959
## Mean_hist.PET	0.354923793	0.403099379	0.522243616
## Variance_hist.PET	0.331080739	0.361847879	0.246683299
## Standard_Deviation_hist.PET	0.392906520	0.417811730	0.519536103
## Skewness_hist.PET	0.182967482	0.003771982	0.510257463
## Kurtosis_hist.PET	0.237047340	0.019934482	0.101439467
## Energy_hist.PET	-0.110579067	-0.167985014	0.467539034
## Entropy_hist.PET	0.503513706	0.487363984	0.829020552

## AUC_hist.PET	0.279677256	0.244321837	0.978600659
## H_suv.PET	0.216722800	0.253771298	0.566632050
## Volume.PET	0.696326672	0.688791569	0.287870258
## X3D_surface.PET	0.866462320	0.880647280	0.180378026
## ratio_3ds_vol.PET	-0.233373661	-0.304769458	0.599245477
## ratio_3ds_vol_norm.PET	0.220803556	0.130509953	0.553713520
## irregularity.PET	0.126424313	0.091433477	0.969904691
## tumor_length.PET	0.730916897	0.705402459	0.544395878
## Compactness_v1.PET	0.085395093	0.044518568	0.565180675
## Compactness_v2.PET	0.288079311	0.335863486	0.234044158
## Spherical_disproportion.PET	0.220803556	0.130509953	0.553713520
## Sphericity.PET	0.309681358	0.360487290	0.229863517
## Asphericity.PET	0.215994814	0.124850352	0.531801689
## Center_of_mass.PET	0.656702216	0.622943028	0.323629342
## Max_3D_diam.PET	0.814425949	0.829245907	0.411100751
## Major_axis_length.PET	0.821435467	0.846236552	0.458780650
## Minor_axis_length.PET	0.792137008	0.759742296	0.591364264
## Least_axis_length.PET	0.842378026	0.838247397	0.489527820
## Elongation.PET	0.089593086	0.030525889	0.833439718
## Flatness.PET	0.187766223	0.149375710	0.757988062
## Max_cooc.L.PET	-0.038412467	-0.113524297	0.478614455
## Average_cooc.L.PET	-0.040808512	0.040033047	0.840744226
## Variance_cooc.L.PET	-0.291714543	-0.232844391	0.706711834
## Entropy_cooc.L.PET	0.248429412	0.261617591	0.969387238
## DAVE_cooc.L.PET	-0.196584013	-0.148629769	0.810435409
## DVAR_cooc.L.PET	-0.127847420	-0.159592681	0.715283911
## DENT_cooc.L.PET	0.109384017	0.119979699	0.979005706
## SAVE_cooc.L.PET	-0.040766073	0.040180045	0.840552619
## SVAR_cooc.L.PET	-0.238883846	-0.179157424	0.704174451
## SENT_cooc.L.PET	0.165061436	0.158325605	0.969373518
## ASM_cooc.L.PET	-0.037072114	-0.102228858	0.451352700
## Contrast_cooc.L.PET	-0.336361434	-0.286752581	0.615536323
## Dissimilarity_cooc.L.PET	-0.196584013	-0.148629769	0.810435409
## Inv_diff_cooc.L.PET	0.495861396	0.387998750	0.787920360
## Inv_diff_norm_cooc.L.PET	0.324103032	0.285578901	0.967913035
## IDM_cooc.L.PET	0.502738149	0.371353974	0.690195834
## IDM_norm_cooc.L.PET	0.296955884	0.265248424	0.976243635
## Inv_var_cooc.L.PET	0.507629739	0.380416602	0.705209627
## Correlation_cooc.L.PET	0.476145336	0.427709084	0.594874392
## Autocorrelation_cooc.L.PET	-0.185281579	-0.085910395	0.648587571
## Tendency_cooc.L.PET	-0.238883846	-0.179157424	0.704174451
## Shade_cooc.L.PET	-0.127891730	-0.164225631	0.346243574
## Prominence_cooc.L.PET	-0.350857160	-0.318459031	0.517096590
## IC1_.L.PET	0.241144545	0.247168539	-0.390001097
## IC2_.L.PET	0.012336819	-0.011789678	0.908032517
## Coarseness_vdif_.L.PET	-0.213805561	-0.264389093	0.516029640
## Contrast_vdif_.L.PET	-0.254175363	-0.247654917	0.282846569
## Busyness_vdif_.L.PET	0.951133495	0.907628743	0.252563387
## Complexity_vdif_.L.PET	-0.192103535	-0.177992873	0.763108684
## Strength_vdif_.L.PET	-0.358347955	-0.402909627	0.350492222
## SRE_align.L.PET	0.243384623	0.220510618	0.988424254
## LRE_align.L.PET	0.329114391	0.287625725	0.955174713
## GLNU_align.L.PET	0.997743675	0.939334845	0.184625848
## RLNU_align.L.PET	0.965287088	0.996509189	0.172513534

## RP_align.L.PET	0.237088861	0.215481857	0.988480286
## LGRE_align.L.PET	0.135165784	-0.012940615	0.611677660
## HGRE_align.L.PET	-0.176378151	-0.076717594	0.672459851
## LGSRE_align.L.PET	0.127385747	-0.017684559	0.618682888
## HGSRE_align.L.PET	-0.183204390	-0.084393296	0.673317975
## LGHRE_align.L.PET	0.166234463	0.006540928	0.580274634
## HGLRE_align.L.PET	-0.147593995	-0.044788723	0.666159429
## GLNU_norm_align.L.PET	0.113803002	-0.006997153	0.669516210
## RLNU_norm_align.L.PET	0.215514828	0.198021878	0.988880252
## GLVAR_align.L.PET	-0.255956641	-0.183774037	0.728523288
## RLVAR_align.L.PET	0.375308420	0.255967005	0.586597310
## Entropy_align.L.PET	0.259552914	0.268596273	0.971688853
## SZSE.L.PET	0.218109248	0.202114283	0.997164728
## LZSE.L.PET	0.334070178	0.264779322	0.556322066
## LGLZE.L.PET	0.136079239	-0.012832589	0.623110227
## HGLZE.L.PET	-0.176616036	-0.078107664	0.682925209
## SZLGE.L.PET	0.110956449	-0.026968298	0.648553818
## SZHGE.L.PET	-0.185492787	-0.090462241	0.699210120
## LZLGE.L.PET	0.230939003	0.049580324	0.434117053
## LZHGE.L.PET	-0.091090433	-0.003712481	0.468434705
## GLNU_area.L.PET	1.000000000	0.954295851	0.195382175
## ZSNU.L.PET	0.954295851	1.000000000	0.186056614
## ZSP.L.PET	0.195382175	0.186056614	1.000000000
## GLNU_norm.L.PET	0.114298637	-0.004241269	0.670180216
## ZSNU_norm.L.PET	0.160374784	0.157769060	0.990673212
## GLVAR_area.L.PET	-0.253258762	-0.183053913	0.739102519
## ZSVAR.L.PET	0.460365195	0.312724713	0.301128897
## Entropy_area.L.PET	0.291262997	0.291792635	0.965536027
## Max_cooc.H.PET	-0.189334274	-0.250025244	0.328220038
## Average_cooc.H.PET	0.170814034	0.135363616	0.964971454
## Variance_cooc.H.PET	0.374854835	0.398487151	0.833870796
## Entropy_cooc.H.PET	0.273132650	0.257788928	0.820171546
## DAVE_cooc.H.PET	0.184922608	0.196884950	0.883472383
## DVAR_cooc.H.PET	0.158277654	0.181402169	0.862031729
## DENT_cooc.H.PET	0.370185640	0.381736879	0.757341015
## SAVE_cooc.H.PET	0.209968681	0.183359538	0.967477957
## SVAR_cooc.H.PET	0.427027189	0.441077290	0.809095942
## SENT_cooc.H.PET	0.152717570	0.132048079	0.675622385
## ASM_cooc.H.PET	-0.169230679	-0.223209509	0.314271660
## Contrast_cooc.H.PET	0.119944663	0.149213121	0.798932289
## Dissimilarity_cooc.H.PET	0.184922608	0.196884950	0.883472383
## Inv_diff_cooc.H.PET	0.060242450	-0.002980073	0.660920337
## Inv_diff_norm_cooc.H.PET	0.265382631	0.232691514	0.977265407
## IDM_cooc.H.PET	0.004926502	-0.060127343	0.559631292
## IDM_norm_cooc.H.PET	0.267863223	0.237660527	0.980724408
## Inv_var_cooc.H.PET	0.171104373	0.111182192	0.585847842
## Correlation_cooc.H.PET	0.496932078	0.461457326	0.599671760
## Autocorrelation_cooc.H.PET	0.112265827	0.069370081	0.910214085
## Tendency_cooc.H.PET	0.479064052	0.497549014	0.778165711
## Shade_cooc.H.PET	-0.197574906	-0.253065353	-0.384948475
## Prominence_cooc.H.PET	0.524905259	0.569965266	0.557089453
## IC1_d.H.PET	-0.304623216	-0.290027148	-0.052993455
## IC2_d.H.PET	0.472099000	0.431578957	0.723022198
## Coarseness_vdif.H.PET	-0.079367862	-0.136515254	0.451384271

## Contrast_vdif.H.PET	-0.185569564	-0.196093962	0.317627762
## Busyness_vdif.H.PET	0.464132750	0.481703891	0.104220053
## Complexity_vdif.H.PET	-0.111891124	-0.136873201	0.672641649
## Strength_vdif.H.PET	-0.137280690	-0.147610718	0.043420476
## SRE_align.H.PET	0.272140216	0.255909330	0.962872070
## LRE_align.H.PET	0.095716783	0.052768228	0.611532678
## RLNU_align.H.PET	0.948924061	0.982475480	0.177618594
## RP_align.H.PET	0.264565110	0.251261308	0.952933138
## LGRE_align.H.PET	-0.016208893	-0.067167067	0.468674180
## HGRE_align.H.PET	0.137627821	0.093186530	0.916033460
## LGSRE_align.H.PET	-0.018846190	-0.069866210	0.466589138
## HGSRE_align.H.PET	0.172504522	0.131893404	0.964860656
## LGHRE_align.H.PET	-0.002190746	-0.053116919	0.478813653
## HGLRE_align.H.PET	-0.002020523	-0.031218746	0.424275772
## GLNU_norm_align.H.PET	-0.148752910	-0.216842773	0.528333681
## RLNU_norm_align.H.PET	0.257738480	0.253767617	0.905415709
## GLVAR_align.H.PET	0.393357783	0.423114044	0.796021371
## RLVAR_align.H.PET	0.008712695	-0.027109025	0.256750828
## Entropy_align.H.PET	0.436342188	0.439760042	0.869684327
## SZSE.H.PET	0.304545829	0.302012829	0.871396445
## LZSE.H.PET	-0.057649794	-0.058797197	-0.060954270
## LGLZE.H.PET	-0.015918244	-0.066095133	0.468957552
## HGLZE.H.PET	0.208285020	0.157336798	0.847388207
## SZLGE.H.PET	-0.022015983	-0.073019823	0.464058635
## SZHGE.H.PET	0.211569634	0.171263354	0.857446609
## LZLGE.H.PET	-0.052821899	-0.063057641	-0.009222939
## LZHGE.H.PET	-0.081212430	-0.079940766	-0.048016072
## GLNU_area.H.PET	0.967857362	0.974917191	0.217816343
## ZSNU.H.PET	0.883755017	0.933042938	0.167086702
## ZSP.H.PET	0.263100189	0.283161182	0.693047857
## GLNU_norm.H.PET	-0.148974385	-0.207472165	0.539311604
## ZSNU_norm.H.PET	0.270983746	0.284482155	0.729561191
## GLVAR_area.H.PET	0.386680602	0.413645080	0.773986468
## ZSVAR.H.PET	-0.068184884	-0.069982793	-0.056798452
## Entropy_area.H.PET	0.420474950	0.405899143	0.910378680
## Max_cooc.W.PET	-0.177403027	-0.236381643	0.369973830
## Average_cooc.W.PET	0.387407558	0.439405111	0.509166712
## Variance_cooc.W.PET	0.302028585	0.326948957	0.250206102
## Entropy_cooc.W.PET	0.395293533	0.403818613	0.836346683
## DAVE_cooc.W.PET	0.249196254	0.284626307	0.556014677
## DVAR_cooc.W.PET	0.208612585	0.242868892	0.296317686
## DENT_cooc.W.PET	0.322953367	0.329298889	0.831357316
## SAVE_cooc.W.PET	0.387591279	0.439718789	0.508378681
## SVAR_cooc.W.PET	0.338481806	0.356140510	0.217877584
## SENT_cooc.W.PET	0.355008591	0.343740501	0.872749061
## ASM_cooc.W.PET	-0.135742336	-0.196185490	0.403348280
## Contrast_cooc.W.PET	0.179667942	0.221448972	0.311954420
## Dissimilarity_cooc.W.PET	0.249196254	0.284626307	0.556014677
## Inv_diff_cooc.W.PET	0.076795194	0.017375300	0.739085889
## Inv_diff_norm_cooc.W.PET	0.320088317	0.281549324	0.968631441
## IDM_cooc.W.PET	0.013827556	-0.048261288	0.608502941
## IDM_norm_cooc.W.PET	0.295557068	0.263866073	0.976547338
## Inv_var_cooc.W.PET	0.055215497	-0.008005488	0.678842367
## Correlation_cooc.W.PET	0.481901246	0.433613447	0.593684663

## Autocorrelation_cooc.W.PET	0.355046360	0.412225442	0.242056292
## Tendency_cooc.W.PET	0.338481806	0.356140510	0.217877584
## Shade_cooc.W.PET	0.197716756	0.161112879	0.022202949
## Prominence_cooc.W.PET	0.177749094	0.161000735	-0.010780317
## IC1_d.W.PET	-0.230212593	-0.223703531	-0.082368809
## IC2_d.W.PET	0.366676299	0.326824236	0.805409600
## Coarseness_vdif.W.PET	-0.236045638	-0.282460316	0.490094972
## Contrast_vdif.W.PET	-0.088618503	-0.043372817	0.525305877
## Busyness_vdif.W.PET	0.217796523	0.230951773	0.214888256
## Complexity_vdif.W.PET	0.390127718	0.368808397	0.136657014
## Strength_vdif.W.PET	-0.093338273	-0.166128915	0.261090619
## SRE_align.W.PET	0.269741886	0.247880508	0.981051555
## LRE_align.W.PET	0.181040258	0.143262720	0.838140151
## GLNU_align.W.PET	0.907125983	0.881565856	0.190568694
## RLNU_align.W.PET	0.963397636	0.991678743	0.175041080
## RP_align.W.PET	0.269299057	0.249013390	0.977106842
## LGRE_align.W.PET	-0.160694149	-0.243504764	0.510496533
## HGRE_align.W.PET	0.361564031	0.417059586	0.244343995
## LGSRE_align.W.PET	-0.156454770	-0.241060677	0.547481261
## HGSRE_align.W.PET	0.355377292	0.410180299	0.241379506
## LGHRE_align.W.PET	-0.164939278	-0.232756562	0.343024817
## HGLRE_align.W.PET	0.386831216	0.445267015	0.254400470
## GLNU_norm_align.W.PET	-0.157865144	-0.228027987	0.532612847
## RLNU_norm_align.W.PET	0.272049215	0.256921407	0.958768188
## GLVAR_align.W.PET	0.333405221	0.363402671	0.245910311
## RLVAR_align.W.PET	-0.008430285	-0.052596095	0.337015111
## Entropy_align.W.PET	0.425181505	0.428050894	0.874208278
## SZSE.W.PET	0.286939062	0.273689967	0.958447396
## LZSE.W.PET	-0.105666852	-0.119609377	0.096971580
## LGLZE.W.PET	-0.153904540	-0.234951408	0.532582493
## HGLZE.W.PET	0.362130774	0.413628617	0.247611978
## SZLGE.W.PET	-0.129417495	-0.211497553	0.620742866
## SZHGE.W.PET	0.346255113	0.395242371	0.243096472
## LZLGE.W.PET	-0.121266985	-0.136636889	0.001924119
## LZHGE.W.PET	0.340484358	0.396370781	0.202152075
## GLNU_area.W.PET	0.949723968	0.937222325	0.215212147
## ZSNU.W.PET	0.936065978	0.974373782	0.178001630
## ZSP.W.PET	0.300068627	0.297660448	0.884416538
## GLNU_norm.W.PET	-0.156860186	-0.223833145	0.552861734
## ZSNU_norm.W.PET	0.285782907	0.286849282	0.868122760
## GLVAR_area.W.PET	0.333192578	0.359092860	0.248275604
## ZSVAR.W.PET	-0.119147927	-0.128140574	0.022817642
## Entropy_area.W.PET	0.418003028	0.409394586	0.905426418
## Min_hist.ADC	-0.107954023	-0.112637676	0.360908291
## Max_hist.ADC	0.339071585	0.292944863	0.851787762
## Mean_hist.ADC	0.192393030	0.145972513	0.851963738
## Variance_hist.ADC	0.297636625	0.255724716	0.430459557
## Standard_Deviation_hist.ADC	0.317667181	0.279348612	0.704053807
## Skewness_hist.ADC	0.161928057	0.159031590	0.224994949
## Kurtosis_hist.ADC	0.146470348	0.114747904	0.245372898
## Energy_hist.ADC	-0.061769178	-0.117293512	0.467925238
## Entropy_hist.ADC	0.340615850	0.312734498	0.925643081
## AUC_hist.ADC	0.298326344	0.278039397	0.960524337
## Volume.ADC	0.677876714	0.670727261	0.279682260

## X3D_surface.ADC	0.481077339	0.484897034	0.396493585
## ratio_3ds_vol.ADC	-0.046971155	-0.072390543	0.666698274
## ratio_3ds_vol_norm.ADC	0.381986253	0.349317811	0.919178701
## irregularity.ADC	0.181084357	0.160909187	0.953150445
## Compactness_v1.ADC	-0.001550011	-0.048805125	0.697189288
##	GLNU_norm.L.PET	ZSNU_norm.L.PET	GLVAR_area.L.PET
## Failure	0.035206203	0.018857344	0.118074478
## Entropy_cooc.W.ADC	0.003835835	-0.002753382	-0.133217721
## GLNU_align.H.PET	0.029358154	-0.087338553	-0.216869112
## Min_hist.PET	0.228310274	0.526114642	0.337233078
## Max_hist.PET	0.287663070	0.494972726	0.152384543
## Mean_hist.PET	0.210836049	0.516506736	0.303225601
## Variance_hist.PET	0.083152064	0.233470818	0.078114567
## Standard_Deviation_hist.PET	0.256355202	0.510715255	0.267692593
## Skewness_hist.PET	0.621003989	0.495778290	0.123804218
## Kurtosis_hist.PET	0.422364064	0.078989973	-0.287451153
## Energy_hist.PET	0.900944037	0.473104246	0.401526879
## Entropy_hist.PET	0.517085851	0.819187181	0.402430914
## AUC_hist.PET	0.719505597	0.978325114	0.663003267
## H_suv.PET	0.319052607	0.567046277	0.402168625
## Volume.PET	0.019349187	0.250882141	-0.147237349
## X3D_surface.PET	0.165594026	0.154776384	-0.124832136
## ratio_3ds_vol.PET	0.733720410	0.613112308	0.602397551
## ratio_3ds_vol_norm.PET	0.724769609	0.545752946	0.327068434
## irregularity.PET	0.697901814	0.973177534	0.739548424
## tumor_length.PET	0.459924739	0.524247780	0.118754790
## Compactness_v1.PET	0.870688357	0.559582060	0.337176499
## Compactness_v2.PET	-0.134691026	0.218096747	0.014481128
## Spherical_disproportion.PET	0.724769609	0.545752946	0.327068434
## Sphericity.PET	-0.240953676	0.216103655	0.023970225
## Asphericity.PET	0.716802897	0.523645059	0.310758779
## Center_of_mass.PET	0.281486546	0.306364365	0.038448025
## Max_3D_diam.PET	0.048977896	0.379335357	-0.058594786
## Major_axis_length.PET	0.154984104	0.428138590	-0.003277594
## Minor_axis_length.PET	0.353674278	0.566048709	0.094698912
## Least_axis_length.PET	0.206501764	0.464040334	0.044858321
## Elongation.PET	0.672529915	0.846400972	0.650315155
## Flatness.PET	0.552045403	0.769053928	0.604811036
## Max_cooc.L.PET	0.930951073	0.479749929	0.327508839
## Average_cooc.L.PET	0.414644476	0.860199790	0.909222791
## Variance_cooc.L.PET	0.374679350	0.732169490	0.987070410
## Entropy_cooc.L.PET	0.568422420	0.973481728	0.712769345
## DAVE_cooc.L.PET	0.460633916	0.834753394	0.949358540
## DVAR_cooc.L.PET	0.528523377	0.736966491	0.814817733
## DENT_cooc.L.PET	0.606975984	0.989714974	0.820335081
## SAVE_cooc.L.PET	0.413714032	0.860014686	0.909211778
## SVAR_cooc.L.PET	0.356097972	0.724867668	0.958612958
## SENT_cooc.L.PET	0.676528119	0.977148930	0.770597282
## ASM_cooc.L.PET	0.909713126	0.452028075	0.315165170
## Contrast_cooc.L.PET	0.353508123	0.645135694	0.899384267
## Dissimilarity_cooc.L.PET	0.460633916	0.834753394	0.949358540
## Inv_diff_cooc.L.PET	0.776039568	0.774955311	0.265461247
## Inv_diff_norm_cooc.L.PET	0.692536733	0.965830634	0.611508440
## IDM_cooc.L.PET	0.808091477	0.676081599	0.154982982

## IDM_norm_cooc.L.PET	0.685107612	0.975766061	0.644554138
## Inv_var_cooc.L.PET	0.803578525	0.681912688	0.158345404
## Correlation_cooc.L.PET	0.461719156	0.576602366	0.219244411
## Autocorrelation_cooc.L.PET	0.267985269	0.670990745	0.892914217
## Tendency_cooc.L.PET	0.356097972	0.724867668	0.958612958
## Shade_cooc.L.PET	0.260338276	0.345602969	0.339540494
## Prominence_cooc.L.PET	0.284156405	0.532684940	0.841269526
## IC1_.L.PET	-0.096174264	-0.409659653	-0.647024801
## IC2_.L.PET	0.685586436	0.920272589	0.818727262
## Coarseness_vdif_.L.PET	0.858050691	0.525867990	0.523883853
## Contrast_vdif_.L.PET	0.276915449	0.304447484	0.546434574
## Busyness_vdif_.L.PET	0.129410016	0.224734335	-0.184279862
## Complexity_vdif_.L.PET	0.551307555	0.787714302	0.853423743
## Strength_vdif_.L.PET	0.428993726	0.368787051	0.511310393
## SRE_align.L.PET	0.682304171	0.989302846	0.702145888
## LRE_align.L.PET	0.682997446	0.960952110	0.612462698
## GLNU_align.L.PET	0.126394568	0.154653625	-0.265328774
## RLNU_align.L.PET	0.010754540	0.149911399	-0.201524481
## RP_align.L.PET	0.681163471	0.990354981	0.707440577
## LGRE_align.L.PET	0.871793223	0.604737691	0.294140890
## HGRE_align.L.PET	0.288617697	0.696503090	0.903790910
## LGSRE_align.L.PET	0.877215258	0.611749748	0.306630788
## HGSRE_align.L.PET	0.290390397	0.696495210	0.907573730
## LGHRE_align.L.PET	0.847036006	0.573331186	0.241247425
## HGLRE_align.L.PET	0.280320176	0.694305922	0.885268807
## GLNU_norm_align.L.PET	0.999802315	0.664366294	0.374145982
## RLNU_norm_align.L.PET	0.677598320	0.993244862	0.725292006
## GLVAR_align.L.PET	0.363273895	0.753388448	0.998968683
## RLVAR_align.L.PET	0.901609123	0.575992627	0.161617050
## Entropy_align.L.PET	0.582627556	0.975444358	0.715327715
## SZSE.L.PET	0.675486356	0.978423115	0.714258121
## LZSE.L.PET	0.478781097	0.622948145	0.291153483
## LGLZE.L.PET	0.882746681	0.616877930	0.307086304
## HGLZE.L.PET	0.296228497	0.707608692	0.910506983
## SZLGE.L.PET	0.896322087	0.635964056	0.346359070
## SZHGE.L.PET	0.308069301	0.709581010	0.913252454
## LZLGE.L.PET	0.730314610	0.445681000	0.084908256
## LZHGE.L.PET	0.194501314	0.546406807	0.692147225
## GLNU_area.L.PET	0.114298637	0.160374784	-0.253258762
## ZSNU.L.PET	-0.004241269	0.157769060	-0.183053913
## ZSP.L.PET	0.670180216	0.990673212	0.739102519
## GLNU_norm.L.PET	1.000000000	0.665149517	0.374483757
## ZSNU_norm.L.PET	0.665149517	1.000000000	0.764564776
## GLVAR_area.L.PET	0.374483757	0.764564776	1.000000000
## ZSVAR.L.PET	0.505356469	0.325983818	-0.081585429
## Entropy_area.L.PET	0.588183123	0.967059085	0.685382582
## Max_cooc.H.PET	0.483332384	0.328559038	0.295165736
## Average_cooc.H.PET	0.672189980	0.967948333	0.711145204
## Variance_cooc.H.PET	0.464069201	0.838170083	0.554755412
## Entropy_cooc.H.PET	0.495864940	0.816721514	0.566727920
## DAVE_cooc.H.PET	0.521591757	0.893040133	0.687389273
## DVAR_cooc.H.PET	0.504751877	0.873722985	0.672276176
## DENT_cooc.H.PET	0.412430157	0.757479332	0.421630175
## SAVE_cooc.H.PET	0.646678761	0.969675866	0.691007130

## SVAR_cooc.H.PET	0.485734762	0.809079758	0.452692004
## SENT_cooc.H.PET	0.651824254	0.685191483	0.510081557
## ASM_cooc.H.PET	0.524274817	0.315450134	0.273773288
## Contrast_cooc.H.PET	0.446419222	0.811900295	0.657298289
## Dissimilarity_cooc.H.PET	0.521591757	0.893040133	0.687389273
## Inv_diff_cooc.H.PET	0.625077837	0.659432280	0.454238630
## Inv_diff_norm_cooc.H.PET	0.697405782	0.977565139	0.668936297
## IDM_cooc.H.PET	0.573433815	0.558639794	0.392230343
## IDM_norm_cooc.H.PET	0.689877572	0.981454879	0.675086258
## Inv_var_cooc.H.PET	0.887203445	0.580294587	0.308833759
## Correlation_cooc.H.PET	0.454292207	0.584701357	0.224109131
## Autocorrelation_cooc.H.PET	0.662954022	0.913124558	0.688504985
## Tendency_cooc.H.PET	0.431999010	0.777397977	0.449745196
## Shade_cooc.H.PET	-0.164712506	-0.396690426	-0.231244138
## Prominence_cooc.H.PET	0.250109606	0.555085642	0.252588169
## IC1_d.H.PET	0.228207238	-0.036217752	0.078346914
## IC2_d.H.PET	0.545039580	0.709736790	0.348963268
## Coarseness_vdif.H.PET	0.899726248	0.454412569	0.348310585
## Contrast_vdif.H.PET	0.270741710	0.329498988	0.460310110
## Busyness_vdif.H.PET	-0.237376452	0.084334850	-0.128698534
## Complexity_vdif.H.PET	0.695231211	0.693949411	0.652943497
## Strength_vdif.H.PET	0.147500456	0.050411773	0.083467969
## SRE_align.H.PET	0.650771837	0.964867795	0.675399966
## LRE_align.H.PET	0.475160372	0.617876139	0.417458977
## RLNU_align.H.PET	0.013775124	0.155586697	-0.181654447
## RP_align.H.PET	0.640376215	0.956241062	0.677765045
## LGRE_align.H.PET	0.895029078	0.469418335	0.326907745
## HGRE_align.H.PET	0.665320637	0.918447665	0.671776032
## LGSRE_align.H.PET	0.894499390	0.467338120	0.326404192
## HGSRE_align.H.PET	0.679602817	0.967750036	0.705431866
## LGHRE_align.H.PET	0.898145366	0.480055198	0.328401677
## HGLRE_align.H.PET	0.349991883	0.428169515	0.313537082
## GLNU_norm_align.H.PET	0.578154307	0.531284034	0.465952799
## RLNU_norm_align.H.PET	0.595170203	0.910666729	0.651321860
## GLVAR_align.H.PET	0.428588361	0.799435239	0.501713323
## RLVAR_align.H.PET	0.274923657	0.258105049	0.144278917
## Entropy_align.H.PET	0.510561452	0.864530023	0.506552669
## SZSE.H.PET	0.564237058	0.856963199	0.555786323
## LZSE.H.PET	-0.066487969	-0.061159689	-0.018016138
## LGLZE.H.PET	0.892860881	0.469746657	0.326574091
## HGLZE.H.PET	0.617782021	0.849669723	0.544512211
## SZLGE.H.PET	0.892691593	0.464266616	0.324652834
## SZHGE.H.PET	0.589924407	0.844312267	0.544725252
## LZLGE.H.PET	0.051717474	-0.005374275	0.015003978
## LZHGE.H.PET	-0.035104152	-0.047452372	-0.004112695
## GLNU_area.H.PET	0.042418446	0.188385326	-0.188613461
## ZSNU.H.PET	-0.014505531	0.141631293	-0.153252434
## ZSP.H.PET	0.398625600	0.690435490	0.467999883
## GLNU_norm.H.PET	0.557050482	0.542867726	0.519288485
## ZSNU_norm.H.PET	0.460801882	0.734761836	0.472969235
## GLVAR_area.H.PET	0.413588938	0.776360886	0.463013704
## ZSVAR.H.PET	-0.050370391	-0.057855443	-0.014978465
## Entropy_area.H.PET	0.572645164	0.904682546	0.524791369
## Max_cooc.W.PET	0.650744732	0.373963579	0.309338628

## Average_cooc.W.PET	0.202183810	0.501664420	0.269290261
## Variance_cooc.W.PET	0.097278363	0.238369249	0.098078048
## Entropy_cooc.W.PET	0.474144637	0.833996838	0.517030766
## DAVE_cooc.W.PET	0.257286621	0.554738327	0.380578981
## DVAR_cooc.W.PET	0.100634979	0.289025895	0.165379562
## DENT_cooc.W.PET	0.489348825	0.832047891	0.548971033
## SAVE_cooc.W.PET	0.200390590	0.500872170	0.268703609
## SVAR_cooc.W.PET	0.095265371	0.203889089	0.053960204
## SENT_cooc.W.PET	0.593791439	0.872315798	0.565713949
## ASM_cooc.W.PET	0.769803676	0.405864550	0.321426265
## Contrast_cooc.W.PET	0.092732449	0.306806873	0.204437481
## Dissimilarity_cooc.W.PET	0.257286621	0.554738327	0.380578981
## Inv_diff_cooc.W.PET	0.653146919	0.741062825	0.527545480
## Inv_diff_norm_cooc.W.PET	0.694280293	0.966705996	0.614964769
## IDM_cooc.W.PET	0.588506426	0.609984057	0.441043491
## IDM_norm_cooc.W.PET	0.686031792	0.976165640	0.646139139
## Inv_var_cooc.W.PET	0.631895623	0.676373842	0.486314848
## Correlation_cooc.W.PET	0.459851413	0.575539595	0.212949932
## Autocorrelation_cooc.W.PET	0.034807677	0.228351841	0.057506370
## Tendency_cooc.W.PET	0.095265371	0.203889089	0.053960204
## Shade_cooc.W.PET	0.076463403	0.008885142	-0.063064518
## Prominence_cooc.W.PET	0.026433232	-0.024418558	-0.081182341
## IC1_d.W.PET	0.267758083	-0.071009109	0.004302891
## IC2_d.W.PET	0.610339186	0.797799156	0.475023506
## Coarseness_vdif.W.PET	0.801354719	0.502301495	0.550429391
## Contrast_vdif.W.PET	0.311724078	0.538764169	0.591582905
## Busyness_vdif.W.PET	0.005451786	0.204427586	0.190956792
## Complexity_vdif.W.PET	0.093492508	0.115728718	-0.087849579
## Strength_vdif.W.PET	0.334162120	0.262494870	0.196746616
## SRE_align.W.PET	0.672252093	0.981677710	0.685077067
## LRE_align.W.PET	0.616074343	0.846202142	0.578693205
## GLNU_align.W.PET	0.075109666	0.166047105	-0.233562001
## RLNU_align.W.PET	0.018215886	0.152157086	-0.194981203
## RP_align.W.PET	0.667187425	0.978652440	0.685878337
## LGRE_align.W.PET	0.588044518	0.511900746	0.447879155
## HGRE_align.W.PET	0.031366125	0.230285462	0.051955172
## LGSRE_align.W.PET	0.622627104	0.549021075	0.481544388
## HGSRE_align.W.PET	0.030006451	0.227090511	0.052189606
## LGHRE_align.W.PET	0.422065054	0.343872383	0.297634780
## HGLRE_align.W.PET	0.036277124	0.242300116	0.049326219
## GLNU_norm_align.W.PET	0.654247083	0.536499076	0.462774045
## RLNU_norm_align.W.PET	0.646484430	0.961961450	0.675898028
## GLVAR_align.W.PET	0.082281251	0.232546837	0.074693893
## RLVAR_align.W.PET	0.406980688	0.340383629	0.211413611
## Entropy_align.W.PET	0.512943393	0.870149581	0.521568484
## SZSE.W.PET	0.642268337	0.940614483	0.643892392
## LZSE.W.PET	0.117181587	0.120433152	0.135182251
## LGLZE.W.PET	0.599131318	0.534896792	0.459979444
## HGLZE.W.PET	0.038492965	0.233375896	0.052144234
## SZLGE.W.PET	0.686241904	0.613908977	0.505984802
## SZHGE.W.PET	0.037225396	0.224981765	0.052456510
## LZLGE.W.PET	0.045942685	0.001967407	0.045637505
## LZHGE.W.PET	0.053966937	0.243724576	0.048072861
## GLNU_area.W.PET	0.066329652	0.182817471	-0.214749550

## ZSNU.W.PET	0.005814462	0.150638274	-0.173312775
## ZSP.W.PET	0.567736008	0.876414365	0.593207447
## GLNU_norm.W.PET	0.659442350	0.557068743	0.494435957
## ZSNU_norm.W.PET	0.571861399	0.872707779	0.588074438
## GLVAR_area.W.PET	0.090620213	0.234700594	0.069311153
## ZSVAR.W.PET	0.058975242	0.036779188	0.072287679
## Entropy_area.W.PET	0.552464705	0.900230792	0.540231291
## Min_hist.ADC	0.267566625	0.362946253	0.403914046
## Max_hist.ADC	0.610031582	0.845968380	0.473404486
## Mean_hist.ADC	0.617564254	0.853866244	0.581562129
## Variance_hist.ADC	0.417929784	0.419590956	0.122760054
## Standard_Deviation_hist.ADC	0.559949694	0.697488520	0.357745525
## Skewness_hist.ADC	0.120827308	0.215574629	0.127526567
## Kurtosis_hist.ADC	0.163254612	0.242168620	0.137923222
## Energy_hist.ADC	0.896871310	0.470613608	0.362174224
## Entropy_hist.ADC	0.616043532	0.921441253	0.559353992
## AUC_hist.ADC	0.668630495	0.958832976	0.652742756
## Volume.ADC	0.011429812	0.243982777	-0.133954896
## X3D_surface.ADC	0.223734436	0.374710847	0.032020863
## ratio_3ds_vol.ADC	0.583115439	0.679159571	0.646292637
## ratio_3ds_vol_norm.ADC	0.612881151	0.911652799	0.555760590
## irregularity.ADC	0.661270446	0.958176469	0.729047947
## Compactness_v1.ADC	0.927111511	0.703635983	0.538188816
##	ZSVAR.L.PET	Entropy_area.L.PET	Max_cooc.H.PET
## Failure	-0.090981643	-0.009071619	0.098993827
## Entropy_cooc.W.ADC	0.164278904	0.038447552	-0.035404418
## GLNU_align.H.PET	0.253661029	-0.020500358	-0.029283319
## Min_hist.PET	0.177237816	0.553767051	-0.338194301
## Max_hist.PET	0.428597715	0.572191916	-0.365163797
## Mean_hist.PET	0.232478999	0.568831499	-0.382715595
## Variance_hist.PET	0.242350483	0.304668682	-0.425796010
## Standard_Deviation_hist.PET	0.332054825	0.576903172	-0.390858475
## Skewness_hist.PET	0.405056673	0.433720887	0.408466303
## Kurtosis_hist.PET	0.471294720	0.057994519	0.222390518
## Energy_hist.PET	0.267498140	0.363447507	0.452482577
## Entropy_hist.PET	0.525660934	0.886879442	0.118434438
## AUC_hist.PET	0.465456678	0.975380771	0.334001927
## H_suv.PET	0.232784937	0.589915735	-0.347583139
## Volume.PET	0.284470262	0.369468959	-0.166346182
## X3D_surface.PET	0.341594954	0.253520003	-0.116646144
## ratio_3ds_vol.PET	0.195438813	0.477993589	0.537190229
## ratio_3ds_vol_norm.PET	0.539333762	0.545256606	0.323492710
## irregularity.PET	0.354338705	0.927987024	0.417145301
## tumor_length.PET	0.598771201	0.631012897	0.034187839
## Compactness_v1.PET	0.329794024	0.502352481	0.343986632
## Compactness_v2.PET	-0.021208213	0.271601528	-0.159386818
## Spherical_disproportion.PET	0.539333762	0.545256606	0.323492710
## Sphericity.PET	-0.050469903	0.278054360	-0.192599389
## Asphericity.PET	0.534672678	0.522997173	0.319702674
## Center_of_mass.PET	0.454401815	0.387346761	-0.009108191
## Max_3D_diam.PET	0.374917027	0.518241391	-0.180198067
## Major_axis_length.PET	0.404576820	0.558368525	-0.143216504
## Minor_axis_length.PET	0.616916124	0.702958796	-0.063096222
## Least_axis_length.PET	0.544745241	0.619230288	-0.155738537

## Elongation.PET	0.475851386	0.834339347	0.295128821
## Flatness.PET	0.482326309	0.795033365	0.188043232
## Max_cooc.L.PET	0.361998845	0.394724765	0.453241182
## Average_cooc.L.PET	0.096417848	0.840526431	0.224387468
## Variance_cooc.L.PET	-0.126157991	0.630719237	0.330897728
## Entropy_cooc.L.PET	0.378814286	0.995849520	0.227261041
## DAVE_cooc.L.PET	-0.037545824	0.734869963	0.268954258
## DVAR_cooc.L.PET	0.036334442	0.617318207	0.238622871
## DENT_cooc.L.PET	0.278285907	0.959561363	0.298332468
## SAVE_cooc.L.PET	0.096058632	0.840428966	0.223992101
## SVAR_cooc.L.PET	-0.076623673	0.655299965	0.373250362
## SENT_cooc.L.PET	0.385693582	0.965273487	0.339077218
## ASM_cooc.L.PET	0.342441924	0.372748251	0.407797486
## Contrast_cooc.L.PET	-0.187956743	0.506722110	0.218997753
## Dissimilarity_cooc.L.PET	-0.037545824	0.734869963	0.268954258
## Inv_diff_cooc.L.PET	0.747388585	0.824234672	0.295405376
## Inv_diff_norm_cooc.L.PET	0.511593319	0.980992240	0.305678316
## IDM_cooc.L.PET	0.796934148	0.724558080	0.298515722
## IDM_norm_cooc.L.PET	0.482855144	0.985427495	0.307926018
## Inv_var_cooc.L.PET	0.760713380	0.731393033	0.300693886
## Correlation_cooc.L.PET	0.584883429	0.683472345	0.292642156
## Autocorrelation_cooc.L.PET	-0.052876790	0.645865975	0.213056412
## Tendency_cooc.L.PET	-0.076623673	0.655299965	0.373250362
## Shade_cooc.L.PET	-0.041640990	0.273320432	0.375295906
## Prominence_cooc.L.PET	-0.168382374	0.441036157	0.425559710
## IC1_.L.PET	0.122543201	-0.309074834	-0.375400243
## IC2_.L.PET	0.296308897	0.862006134	0.454851539
## Coarseness_vdif_.L.PET	0.177692879	0.394095302	0.538945043
## Contrast_vdif_.L.PET	-0.156673970	0.145925698	0.225467079
## Busyness_vdif_.L.PET	0.428698916	0.343857701	-0.173489249
## Complexity_vdif_.L.PET	0.020517766	0.658502392	0.278792317
## Strength_vdif_.L.PET	-0.126573724	0.171399608	0.543545887
## SRE_align.L.PET	0.426247151	0.984482874	0.315957786
## LRE_align.L.PET	0.547927680	0.979080837	0.292029096
## GLNU_align.L.PET	0.505131971	0.287397239	-0.185654829
## RLNU_align.L.PET	0.372532472	0.288589769	-0.246553207
## RP_align.L.PET	0.422388899	0.984237427	0.317046413
## LGRE_align.L.PET	0.489295876	0.522265928	0.448048729
## HGRE_align.L.PET	-0.054057688	0.661474596	0.213242602
## LGSRE_align.L.PET	0.480867094	0.527506487	0.448847880
## HGSRE_align.L.PET	-0.064183434	0.658358802	0.216549830
## LGHRE_align.L.PET	0.522875328	0.498747403	0.441873907
## HGLRE_align.L.PET	-0.009691284	0.672256972	0.198383057
## GLNU_norm_align.L.PET	0.507872342	0.586907445	0.486512992
## RLNU_norm_align.L.PET	0.406563422	0.982615151	0.320278187
## GLVAR_align.L.PET	-0.089796294	0.675564403	0.294125535
## RLVAR_align.L.PET	0.730736516	0.597296648	0.315687470
## Entropy_align.L.PET	0.399687622	0.998436318	0.240781388
## SZSE.L.PET	0.304861540	0.959071634	0.321945863
## LZSE.L.PET	0.834409902	0.692818318	0.148462408
## LGLZE.L.PET	0.494877375	0.534028824	0.445366091
## HGLZE.L.PET	-0.055009043	0.668952873	0.214731286
## SZLGE.L.PET	0.432563307	0.543325267	0.450776259
## SZHGE.L.PET	-0.129575299	0.656580885	0.225199893

## LZLGE.L.PET	0.688778488	0.412795837	0.374082134
## LZHGE.L.PET	0.284868904	0.574519009	0.118988760
## GLNU_area.L.PET	0.460365195	0.291262997	-0.189334274
## ZSNU.L.PET	0.312724713	0.291792635	-0.250025244
## ZSP.L.PET	0.301128897	0.965536027	0.328220038
## GLNU_norm.L.PET	0.505356469	0.588183123	0.483332384
## ZSNU_norm.L.PET	0.325983818	0.967059085	0.328559038
## GLVAR_area.L.PET	-0.081585429	0.685382582	0.295165736
## ZSVAR.L.PET	1.000000000	0.440041149	0.066619211
## Entropy_area.L.PET	0.440041149	1.000000000	0.232411652
## Max_cooc.H.PET	0.066619211	0.232411652	1.000000000
## Average_cooc.H.PET	0.392211317	0.946111766	0.481391707
## Variance_cooc.H.PET	0.432925599	0.893174135	-0.151181216
## Entropy_cooc.H.PET	0.390511522	0.836500947	0.003906712
## DAVE_cooc.H.PET	0.294216234	0.882748673	-0.051380017
## DVAR_cooc.H.PET	0.268341031	0.864266897	0.023946473
## DENT_cooc.H.PET	0.326474675	0.783994072	-0.031229843
## SAVE_cooc.H.PET	0.405641352	0.964609254	0.368743054
## SVAR_cooc.H.PET	0.479588569	0.876809250	-0.024320980
## SENT_cooc.H.PET	0.448406384	0.685902152	-0.039408297
## ASM_cooc.H.PET	0.091133213	0.224626046	0.967428974
## Contrast_cooc.H.PET	0.206259134	0.793719482	-0.111999669
## Dissimilarity_cooc.H.PET	0.294216234	0.882748673	-0.051380017
## Inv_diff_cooc.H.PET	0.339561148	0.628096700	0.857906427
## Inv_diff_norm_cooc.H.PET	0.465848701	0.978406092	0.376044828
## IDM_cooc.H.PET	0.286800244	0.520121510	0.899035677
## IDM_norm_cooc.H.PET	0.461702359	0.982830623	0.339942200
## Inv_var_cooc.H.PET	0.465826240	0.545146899	0.202842840
## Correlation_cooc.H.PET	0.605326418	0.695514130	0.210394088
## Autocorrelation_cooc.H.PET	0.358611862	0.879435267	0.617884019
## Tendency_cooc.H.PET	0.516632138	0.867031983	-0.158898169
## Shade_cooc.H.PET	-0.314602005	-0.473893574	0.313290040
## Prominence_cooc.H.PET	0.472515558	0.674088159	-0.374341200
## IC1_d.H.PET	-0.221820792	-0.158826548	-0.167257847
## IC2_d.H.PET	0.604879834	0.794659125	0.202293683
## Coarseness_vdif.H.PET	0.299614521	0.363038257	0.426017309
## Contrast_vdif.H.PET	-0.019958945	0.261272580	0.595111965
## Busyness_vdif.H.PET	0.011910405	0.157467871	-0.168001102
## Complexity_vdif.H.PET	0.285413017	0.626054505	0.187783460
## Strength_vdif.H.PET	-0.064197877	-0.030547124	0.516098301
## SRE_align.H.PET	0.423174485	0.963442010	0.129402070
## LRE_align.H.PET	0.338040394	0.620666174	0.762731091
## RLNU_align.H.PET	0.351396111	0.287298745	-0.286394785
## RP_align.H.PET	0.409473130	0.951725789	0.098102342
## LGRE_align.H.PET	0.342911320	0.400486238	0.355202026
## HGRE_align.H.PET	0.358250747	0.882061362	0.627845220
## LGSRE_align.H.PET	0.340620849	0.397773159	0.355475053
## HGSRE_align.H.PET	0.362113004	0.926580827	0.436108075
## LGHRE_align.H.PET	0.358830546	0.415131289	0.360727508
## HGLRE_align.H.PET	0.205050762	0.419783066	0.836582583
## GLNU_norm_align.H.PET	0.144192777	0.438592883	0.934767228
## RLNU_norm_align.H.PET	0.378862511	0.905770260	-0.019695346
## GLVAR_align.H.PET	0.445502345	0.868329016	-0.195150248
## RLVAR_align.H.PET	0.219652293	0.273676820	0.748489499

## Entropy_align.H.PET	0.494681441	0.930412396	-0.031816321
## SZSE.H.PET	0.307068687	0.852035885	-0.062493552
## LZSE.H.PET	-0.036469966	-0.053145561	0.357799809
## LGLZE.H.PET	0.345050216	0.402083843	0.351121931
## HGLZE.H.PET	0.403592874	0.837178809	0.514778126
## SZLGE.H.PET	0.337085187	0.394387246	0.355366483
## SZHGE.H.PET	0.226939614	0.783179737	0.185718634
## LZLGE.H.PET	0.060910106	0.008398081	0.430020736
## LZHGE.H.PET	-0.047985712	-0.047761392	0.478950296
## GLNU_area.H.PET	0.352993933	0.314743563	-0.232455593
## ZSNU.H.PET	0.248971871	0.256318272	-0.313705409
## ZSP.H.PET	0.188898863	0.677762851	-0.304319998
## GLNU_norm.H.PET	0.150614721	0.466818936	0.871203787
## ZSNU_norm.H.PET	0.283008111	0.726241518	-0.222815867
## GLVAR_area.H.PET	0.444187093	0.848535809	-0.218353244
## ZSVAR_H.PET	-0.037829880	-0.050593492	0.413020832
## Entropy_area.H.PET	0.538374240	0.968067823	0.101202280
## Max_cooc.W.PET	0.128051549	0.262569198	0.933914454
## Average_cooc.W.PET	0.307281085	0.582157734	-0.404100456
## Variance_cooc.W.PET	0.221663374	0.297155116	-0.413295602
## Entropy_cooc.W.PET	0.430865058	0.883582138	-0.151482875
## DAVE_cooc.W.PET	0.200292691	0.580017848	-0.384764080
## DVAR_cooc.W.PET	0.144134385	0.325692015	-0.424109186
## DENT_cooc.W.PET	0.374781720	0.854494687	-0.148657734
## SAVE_cooc.W.PET	0.306682875	0.581542804	-0.405002953
## SVAR_cooc.W.PET	0.260152155	0.272008042	-0.389913906
## SENT_cooc.W.PET	0.482580614	0.905984469	-0.037110916
## ASM_cooc.W.PET	0.208270010	0.305616729	0.823271302
## Contrast_cooc.W.PET	0.100680992	0.336003418	-0.438104825
## Dissimilarity_cooc.W.PET	0.200292691	0.580017848	-0.384764080
## Inv_diff_cooc.W.PET	0.367376288	0.711977358	0.776950859
## Inv_diff_norm_cooc.W.PET	0.509667370	0.980656051	0.314304303
## IDM_cooc.W.PET	0.305500257	0.574627235	0.851843086
## IDM_norm_cooc.W.PET	0.482226640	0.985192043	0.309583694
## Inv_var_cooc.W.PET	0.340441591	0.648303511	0.772336947
## Correlation_cooc.W.PET	0.588057413	0.683717852	0.272919968
## Autocorrelation_cooc.W.PET	0.228659800	0.318140601	-0.441571931
## Tendency_cooc.W.PET	0.260152155	0.272008042	-0.389913906
## Shade_cooc.W.PET	0.256999595	0.050995756	-0.179406503
## Prominence_cooc.W.PET	0.251941757	0.030511721	-0.193160606
## IC1_d.W.PET	-0.148815927	-0.170273076	-0.085131941
## IC2_d.W.PET	0.549227894	0.846464745	0.220286450
## Coarseness_vdif.W.PET	0.123971253	0.354812848	0.565652642
## Contrast_vdif.W.PET	-0.002613887	0.482594246	-0.246191034
## Busyness_vdif.W.PET	0.060849305	0.260139216	0.508433217
## Complexity_vdif.W.PET	0.355839139	0.198072505	-0.334993985
## Strength_vdif.W.PET	0.137939853	0.182366196	-0.069846050
## SRE_align.W.PET	0.436920976	0.980963046	0.223655258
## LRE_align.W.PET	0.439384026	0.850715104	0.637178200
## GLNU_align.W.PET	0.449311009	0.301134802	-0.056265613
## RLNU_align.W.PET	0.368484524	0.287287812	-0.267205028
## RP_align.W.PET	0.433466606	0.977079472	0.198661627
## LGRE_align.W.PET	0.145306529	0.408618687	0.890048151
## HGRE_align.W.PET	0.231460771	0.320869205	-0.446493208

## LGSRE_align.W.PET	0.160574720	0.443030401	0.856763359
## HGSRE_align.W.PET	0.223877044	0.315459844	-0.447220315
## LGHRE_align.W.PET	0.081329335	0.260065821	0.947017387
## HGLRE_align.W.PET	0.267702079	0.342742224	-0.441672684
## GLNU_norm_align.W.PET	0.160370270	0.432137820	0.942592164
## RLNU_norm_align.W.PET	0.423778484	0.960767502	0.118234688
## GLVAR_align.W.PET	0.245521897	0.304514974	-0.425935164
## RLVAR_align.W.PET	0.254081931	0.337049833	0.812720577
## Entropy_align.W.PET	0.484550563	0.930139056	-0.049274478
## SZSE.W.PET	0.328463612	0.928813092	0.115399220
## LZSE.W.PET	0.132735597	0.124856688	0.724027349
## LGLZE.W.PET	0.167046894	0.441688239	0.875045818
## HGLZE.W.PET	0.235355594	0.321854947	-0.445026913
## SZLGE.W.PET	0.166164909	0.512282364	0.798687257
## SZHGE.W.PET	0.200501990	0.305172279	-0.441790615
## LZLGE.W.PET	-0.037318418	-0.022103913	0.671659363
## LZHGE.W.PET	0.545504082	0.380732519	-0.272862641
## GLNU_area.W.PET	0.394103756	0.313804249	-0.138305365
## ZSNU.W.PET	0.297814274	0.274277081	-0.290846820
## ZSP.W.PET	0.307864168	0.864597640	-0.072815391
## GLNU_norm.W.PET	0.165183115	0.458621776	0.919840951
## ZSNU_norm.W.PET	0.345143519	0.858481433	-0.055081526
## GLVAR_area.W.PET	0.256868868	0.307058667	-0.422379336
## ZSVAR.W.PET	0.052146252	0.037619685	0.673198856
## Entropy_area.W.PET	0.525054577	0.964774222	0.056170097
## Min_hist.ADC	-0.015362858	0.306338312	0.301027654
## Max_hist.ADC	0.491084889	0.860456684	0.264458269
## Mean_hist.ADC	0.378780238	0.825882635	0.342699000
## Variance_hist.ADC	0.328225560	0.420527473	0.212724247
## Standard_Deviation_hist.ADC	0.422310036	0.698508263	0.260855898
## Skewness_hist.ADC	0.150979295	0.264089147	0.018711560
## Kurtosis_hist.ADC	0.219050352	0.286990437	0.034640822
## Energy_hist.ADC	0.317298076	0.390360995	0.420215637
## Entropy_hist.ADC	0.481921125	0.946919446	0.217873083
## AUC_hist.ADC	0.452345730	0.969889082	0.268290838
## Volume.ADC	0.259778784	0.353760633	-0.158407707
## X3D_surface.ADC	0.320405826	0.448075537	-0.047296216
## ratio_3ds_vol.ADC	0.198570317	0.607124669	0.406918965
## ratio_3ds_vol_norm.ADC	0.442693233	0.924438759	0.236798566
## irregularity.ADC	0.392464150	0.943604632	0.325834608
## Compactness_v1.ADC	0.396487426	0.640251364	0.439959402
##	Average_cooc.H.PET	Variance_cooc.H.PET	
## Failure	0.039443312	-0.035174148	
## Entropy_cooc.W.ADC	0.004938064	0.051397007	
## GLNU_align.H.PET	-0.068512878	-0.010847852	
## Min_hist.PET	0.385561890	0.728662440	
## Max_hist.PET	0.383527922	0.760611521	
## Mean_hist.PET	0.371385761	0.767918251	
## Variance_hist.PET	0.108609112	0.521929128	
## Standard_Deviation_hist.PET	0.372773484	0.771742104	
## Skewness_hist.PET	0.578292054	0.220644937	
## Kurtosis_hist.PET	0.180523844	-0.030015077	
## Energy_hist.PET	0.440352188	0.285582858	
## Entropy_hist.PET	0.813045992	0.822215391	

## AUC_hist.PET	0.970524386	0.841115424
## H_suv.PET	0.406378476	0.782866791
## Volume.PET	0.254553621	0.420893871
## X3D_surface.PET	0.147107004	0.316670420
## ratio_3ds_vol.PET	0.621250892	0.318832952
## ratio_3ds_vol_norm.PET	0.563892590	0.445982157
## irregularity.PET	0.974420495	0.763207307
## tumor_length.PET	0.522180712	0.624040701
## Compactness_v1.PET	0.512421430	0.446434551
## Compactness_v2.PET	0.191278514	0.296006650
## Spherical_disproportion.PET	0.563892590	0.445982157
## Sphericity.PET	0.198301387	0.299418679
## Asphericity.PET	0.542423157	0.426062913
## Center_of_mass.PET	0.306821967	0.381139545
## Max_3D_diam.PET	0.374170184	0.563304108
## Major_axis_length.PET	0.411111620	0.605995758
## Minor_axis_length.PET	0.569407723	0.705681970
## Least_axis_length.PET	0.459662576	0.655791599
## Elongation.PET	0.847686301	0.710085783
## Flatness.PET	0.766257736	0.704888982
## Max_cooc.L.PET	0.458672154	0.312146194
## Average_cooc.L.PET	0.798561185	0.770907590
## Variance_cooc.L.PET	0.689403497	0.477574867
## Entropy_cooc.L.PET	0.944155821	0.884018013
## DAVE_cooc.L.PET	0.770222915	0.627096378
## DVAR_cooc.L.PET	0.673598863	0.541825609
## DENT_cooc.L.PET	0.955445437	0.831788896
## SAVE_cooc.L.PET	0.798394061	0.770858281
## SVAR_cooc.L.PET	0.706101972	0.466713628
## SENT_cooc.L.PET	0.958529032	0.830062789
## ASM_cooc.L.PET	0.420839730	0.306283358
## Contrast_cooc.L.PET	0.570017133	0.430486508
## Dissimilarity_cooc.L.PET	0.770222915	0.627096378
## Inv_diff_cooc.L.PET	0.807275021	0.725757110
## Inv_diff_norm_cooc.L.PET	0.963446066	0.856190548
## IDM_cooc.L.PET	0.716960335	0.637866965
## IDM_norm_cooc.L.PET	0.969406796	0.858751867
## Inv_var_cooc.L.PET	0.720937251	0.642116005
## Correlation_cooc.L.PET	0.643876811	0.532020741
## Autocorrelation_cooc.L.PET	0.612857804	0.589376006
## Tendency_cooc.L.PET	0.706101972	0.466713628
## Shade_cooc.L.PET	0.387748380	0.023121597
## Prominence_cooc.L.PET	0.543842661	0.212096585
## IC1_.L.PET	-0.448472621	-0.159125781
## IC2_.L.PET	0.918489190	0.688641636
## Coarseness_vdif_.L.PET	0.502210965	0.287630333
## Contrast_vdif_.L.PET	0.273870539	0.104532475
## Busyness_vdif_.L.PET	0.229907496	0.398189572
## Complexity_vdif_.L.PET	0.727378026	0.560738245
## Strength_vdif_.L.PET	0.398224656	0.008131721
## SRE_align.L.PET	0.975241579	0.855396889
## LRE_align.L.PET	0.959697850	0.859166305
## GLNU_align.L.PET	0.169882028	0.370467381
## RLNU_align.L.PET	0.133991035	0.394800560

## RP_align.L.PET	0.975601185	0.854707325
## LGRE_align.L.PET	0.644989547	0.350037948
## HGRE_align.L.PET	0.625463400	0.618894598
## LGSRE_align.L.PET	0.649227701	0.355608286
## HGSRE_align.L.PET	0.624998138	0.614446517
## LGHRE_align.L.PET	0.624244367	0.326697713
## HGLRE_align.L.PET	0.625261684	0.635513624
## GLNU_norm_align.L.PET	0.672958730	0.461806467
## RLNU_norm_align.L.PET	0.975885333	0.851953121
## GLVAR_align.L.PET	0.702670163	0.542238162
## RLVAR_align.L.PET	0.589414273	0.537485092
## Entropy_align.L.PET	0.948609052	0.889907371
## SZSE.L.PET	0.956219964	0.830078259
## LZSE.L.PET	0.655145650	0.629017149
## LGLZE.L.PET	0.654745156	0.365189311
## HGLZE.L.PET	0.634460792	0.625365363
## SZLGE.L.PET	0.662856841	0.377425254
## SZHGE.L.PET	0.631955289	0.609189126
## LZLGE.L.PET	0.523759562	0.259530827
## LZHGE.L.PET	0.506568643	0.558702432
## GLNU_area.L.PET	0.170814034	0.374854835
## ZSNU.L.PET	0.135363616	0.398487151
## ZSP.L.PET	0.964971454	0.833870796
## GLNU_norm.L.PET	0.672189980	0.464069201
## ZSNU_norm.L.PET	0.967948333	0.838170083
## GLVAR_area.L.PET	0.711145204	0.554755412
## ZSVAR.L.PET	0.392211317	0.432925599
## Entropy_area.L.PET	0.946111766	0.893174135
## Max_cooc.H.PET	0.481391707	-0.151181216
## Average_cooc.H.PET	1.000000000	0.733671614
## Variance_cooc.H.PET	0.733671614	1.000000000
## Entropy_cooc.H.PET	0.760577301	0.818855237
## DAVE_cooc.H.PET	0.790917648	0.929942513
## DVAR_cooc.H.PET	0.778903292	0.910049267
## DENT_cooc.H.PET	0.698333374	0.772485426
## SAVE_cooc.H.PET	0.980449218	0.792908073
## SVAR_cooc.H.PET	0.744356092	0.915733955
## SENT_cooc.H.PET	0.586294726	0.755267799
## ASM_cooc.H.PET	0.448435231	-0.111705928
## Contrast_cooc.H.PET	0.687256335	0.891024548
## Dissimilarity_cooc.H.PET	0.790917648	0.929942513
## Inv_diff_cooc.H.PET	0.794567149	0.273308753
## Inv_diff_norm_cooc.H.PET	0.983317867	0.820926293
## IDM_cooc.H.PET	0.709953634	0.149001462
## IDM_norm_cooc.H.PET	0.978979419	0.839892965
## Inv_var_cooc_.H.PET	0.513105338	0.544776175
## Correlation_cooc.H.PET	0.629488929	0.588812047
## Autocorrelation_cooc.H.PET	0.981791313	0.606145684
## Tendency_cooc.H.PET	0.693124617	0.969464882
## Shade_cooc.H.PET	-0.311604686	-0.684568540
## Prominence_cooc.H.PET	0.439686750	0.888484602
## IC1_d.H.PET	-0.161259373	-0.005212069
## IC2_d.H.PET	0.734228570	0.697078406
## Coarseness_vdif.H.PET	0.419416658	0.295506571

## Contrast_vdif.H.PET	0.407635914	0.090645570
## Busyness_vdif.H.PET	0.098341125	0.170850623
## Complexity_vdif.H.PET	0.622736419	0.620766640
## Strength_vdif.H.PET	0.117047840	-0.164671496
## SRE_align.H.PET	0.908498904	0.918138523
## LRE_align.H.PET	0.747161436	0.284234505
## RLNU_align.H.PET	0.121227112	0.417455765
## RP_align.H.PET	0.889945580	0.923708786
## LGRE_align.H.PET	0.422597342	0.359150497
## HGRE_align.H.PET	0.978804592	0.620326231
## LGSRE_align.H.PET	0.420484133	0.356287030
## HGSRE_align.H.PET	0.976904294	0.746699526
## LGHRE_align.H.PET	0.435464545	0.371088528
## HGLRE_align.H.PET	0.580869365	0.069343564
## GLNU_norm_align.H.PET	0.678039291	0.048900082
## RLNU_norm_align.H.PET	0.815746336	0.933043629
## GLVAR_align.H.PET	0.691993896	0.994707598
## RLVAR_align.H.PET	0.418573880	-0.064303485
## Entropy_align.H.PET	0.795569298	0.951299529
## SZSE.H.PET	0.749045818	0.901342881
## LZSE.H.PET	0.010172440	-0.219519745
## LGLZE.H.PET	0.422351180	0.363014448
## HGLZE.H.PET	0.908719407	0.582224116
## SZLGE.H.PET	0.417518716	0.353098912
## SZHGE.H.PET	0.791095530	0.710002669
## LZLGE.H.PET	0.072572681	-0.172348961
## LZHGE.H.PET	0.039043637	-0.237104560
## GLNU_area.H.PET	0.178415375	0.406759264
## ZSNU.H.PET	0.084913919	0.406805261
## ZSP.H.PET	0.529833171	0.839195775
## GLNU_norm.H.PET	0.681255730	0.097597223
## ZSNU_norm.H.PET	0.587938311	0.857371175
## GLVAR_area.H.PET	0.669525244	0.980490162
## ZSVAR_H.PET	0.020457274	-0.227652831
## Entropy_area.H.PET	0.876567033	0.917294487
## Max_cooc.W.PET	0.477540634	-0.043914895
## Average_cooc.W.PET	0.360621674	0.793049254
## Variance_cooc.W.PET	0.113209447	0.507309157
## Entropy_cooc.W.PET	0.734783446	0.954130065
## DAVE_cooc.W.PET	0.396294682	0.776374808
## DVAR_cooc.W.PET	0.145237957	0.546692784
## DENT_cooc.W.PET	0.722240212	0.928892486
## SAVE_cooc.W.PET	0.359871048	0.792608816
## SVAR_cooc.W.PET	0.093982057	0.467681956
## SENT_cooc.W.PET	0.789796329	0.937446933
## ASM_cooc.W.PET	0.470947476	0.067244788
## Contrast_cooc.W.PET	0.152932867	0.565381026
## Dissimilarity_cooc.W.PET	0.396294682	0.776374808
## Inv_diff_cooc.W.PET	0.857489093	0.386140459
## Inv_diff_norm_cooc.W.PET	0.965710353	0.852729722
## IDM_cooc.W.PET	0.751273255	0.220868290
## IDM_norm_cooc.W.PET	0.969962511	0.858117832
## Inv_var_cooc.W.PET	0.800436681	0.321147189
## Correlation_cooc.W.PET	0.638927057	0.540115001

## Autocorrelation_cooc.W.PET	0.102376004	0.549070854
## Tendency_cooc.W.PET	0.093982057	0.467681956
## Shade_cooc.W.PET	-0.024874793	0.135002001
## Prominence_cooc.W.PET	-0.058285995	0.125253438
## IC1_d.W.PET	-0.165611426	-0.061893311
## IC2_d.W.PET	0.798582546	0.760058964
## Coarseness_vdif.W.PET	0.485827877	0.246582175
## Contrast_vdif.W.PET	0.372346654	0.636947818
## Busyness_vdif.W.PET	0.357890837	-0.078508756
## Complexity_vdif.W.PET	0.042334195	0.379544895
## Strength_vdif.W.PET	0.206932455	0.255003325
## SRE_align.W.PET	0.948151550	0.892310979
## LRE_align.W.PET	0.927023613	0.577509295
## GLNU_align.W.PET	0.219823955	0.298538591
## RLNU_align.W.PET	0.127359434	0.406518934
## RP_align.W.PET	0.938499689	0.900497439
## LGRE_align.W.PET	0.659121580	0.000830159
## HGRE_align.W.PET	0.103053952	0.554452081
## LGSRE_align.W.PET	0.686394900	0.046768746
## HGSRE_align.W.PET	0.099154811	0.549368167
## LGHRE_align.W.PET	0.514404512	-0.162117710
## HGLRE_align.W.PET	0.118886478	0.574182305
## GLNU_norm_align.W.PET	0.667346076	0.062279804
## RLNU_norm_align.W.PET	0.902362698	0.920246872
## GLVAR_align.W.PET	0.108403076	0.521629208
## RLVAR_align.W.PET	0.491538892	-0.003371851
## Entropy_align.W.PET	0.795917593	0.959037196
## SZSE.W.PET	0.872273723	0.898638591
## LZSE.W.PET	0.260389508	-0.163944744
## LGLZE.W.PET	0.678764779	0.041198624
## HGLZE.W.PET	0.106778935	0.553909097
## SZLGE.W.PET	0.724841900	0.152342414
## SZHGE.W.PET	0.097089325	0.536187114
## LZLGE.W.PET	0.126868199	-0.294884181
## LZHGE.W.PET	0.180994045	0.538009090
## GLNU_area.W.PET	0.207492883	0.354974343
## ZSNU.W.PET	0.108785780	0.409831576
## ZSP.W.PET	0.767403938	0.916922187
## GLNU_norm.W.PET	0.680557852	0.098989254
## ZSNU_norm.W.PET	0.761648334	0.912392115
## GLVAR_area.W.PET	0.112270556	0.523318577
## ZSVAR.W.PET	0.165235603	-0.224194040
## Entropy_area.W.PET	0.857790101	0.936680286
## Min_hist.ADC	0.374242414	0.227253478
## Max_hist.ADC	0.854252942	0.736532583
## Mean_hist.ADC	0.869539675	0.686651617
## Variance_hist.ADC	0.449169548	0.314892361
## Standard_Deviation_hist.ADC	0.714001873	0.576279312
## Skewness_hist.ADC	0.201559766	0.262873921
## Kurtosis_hist.ADC	0.238681814	0.251224555
## Energy_hist.ADC	0.438667316	0.316831588
## Entropy_hist.ADC	0.907711272	0.844668163
## AUC_hist.ADC	0.938230239	0.866227767
## Volume.ADC	0.249269185	0.396098270

## X3D_surface.ADC	0.357995564	0.443600203	
## ratio_3ds_vol.ADC	0.684239093	0.485648066	
## ratio_3ds_vol_norm.ADC	0.904355937	0.821897216	
## irregularity.ADC	0.945281503	0.821169501	
## Compactness_v1.ADC	0.672145075	0.535174038	
##	Entropy_cooc.H.PET	DAVE_cooc.H.PET	DVAR_cooc.H.PET
## Failure	-0.007573169	0.015700024	0.040970703
## Entropy_cooc.W.ADC	-0.074041168	-0.031737618	-0.028363910
## GLNU_align.H.PET	-0.098678707	-0.106021135	-0.102668610
## Min_hist.PET	0.697201827	0.686844846	0.618885758
## Max_hist.PET	0.720568349	0.646835912	0.582818479
## Mean_hist.PET	0.709253850	0.690417041	0.633257031
## Variance_hist.PET	0.497999501	0.389563145	0.344762317
## Standard_Deviation_hist.PET	0.722762827	0.667205227	0.602651944
## Skewness_hist.PET	0.460191763	0.327631281	0.250581172
## Kurtosis_hist.PET	0.167956594	0.028072137	-0.002462584
## Energy_hist.PET	0.259929528	0.356299517	0.366714275
## Entropy_hist.PET	0.751745871	0.765988087	0.742389901
## AUC_hist.PET	0.820378314	0.863544199	0.839433428
## H_suv.PET	0.729418153	0.763509093	0.712698141
## Volume.PET	0.349241550	0.305414947	0.304838092
## X3D_surface.PET	0.169027053	0.136040115	0.112176619
## ratio_3ds_vol.PET	0.381642418	0.446670413	0.428381112
## ratio_3ds_vol_norm.PET	0.424582685	0.396688091	0.359677459
## irregularity.PET	0.786128361	0.831324858	0.810295636
## tumor_length.PET	0.501028142	0.458267001	0.428649542
## Compactness_v1.PET	0.408256761	0.470152171	0.483332988
## Compactness_v2.PET	0.329041230	0.262209487	0.261704441
## Spherical_disproportion.PET	0.424582685	0.396688091	0.359677459
## Sphericity.PET	0.335193938	0.279511968	0.278833446
## Asphericity.PET	0.404883186	0.375210652	0.338360461
## Center_of_mass.PET	0.350766372	0.202271359	0.153212857
## Max_3D_diam.PET	0.495195875	0.400690247	0.386386769
## Major_axis_length.PET	0.538169044	0.440732506	0.428640020
## Minor_axis_length.PET	0.602731305	0.549991522	0.516319546
## Least_axis_length.PET	0.551026573	0.466376315	0.435936315
## Elongation.PET	0.667249635	0.761675098	0.723406047
## Flatness.PET	0.669945501	0.700893165	0.656656510
## Max_cooc.L.PET	0.287222156	0.353434072	0.364802094
## Average_cooc.L.PET	0.661104345	0.809060473	0.830954060
## Variance_cooc.L.PET	0.535262361	0.636653333	0.609075909
## Entropy_cooc.L.PET	0.836339914	0.892580515	0.872444101
## DAVE_cooc.L.PET	0.648627153	0.812243957	0.790009320
## DVAR_cooc.L.PET	0.643524433	0.744030850	0.705863956
## DENT_cooc.L.PET	0.822143292	0.908766270	0.886115648
## SAVE_cooc.L.PET	0.661071485	0.808986280	0.830873866
## SVAR_cooc.L.PET	0.521894237	0.563104062	0.537950998
## SENT_cooc.L.PET	0.787386319	0.857999294	0.837483290
## ASM_cooc.L.PET	0.263051531	0.341701882	0.352248994
## Contrast_cooc.L.PET	0.484410726	0.667714293	0.639992555
## Dissimilarity_cooc.L.PET	0.648627153	0.812243957	0.790009320
## Inv_diff_cooc.L.PET	0.695054574	0.642651486	0.619261870
## Inv_diff_norm_cooc.L.PET	0.829880677	0.851727988	0.828072030
## IDM_cooc.L.PET	0.609822408	0.544254062	0.522133646

## IDM_norm_cooc.L.PET	0.833210007	0.864460402	0.841326792
## Inv_var_cooc.L.PET	0.612137303	0.547479933	0.524801461
## Correlation_cooc.L.PET	0.470070044	0.321876144	0.301046255
## Autocorrelation_cooc.L.PET	0.459934256	0.617751284	0.659542203
## Tendency_cooc.L.PET	0.521894237	0.563104062	0.537950998
## Shade_cooc.L.PET	0.314255835	0.113198657	0.031556463
## Prominence_cooc.L.PET	0.377226158	0.334553131	0.290298205
## IC1_.L.PET	-0.238424906	-0.256315079	-0.244514936
## IC2_.L.PET	0.698725288	0.747345967	0.724622752
## Coarseness_vdif_.L.PET	0.256589075	0.373927339	0.400993007
## Contrast_vdif_.L.PET	0.199039930	0.309428674	0.278758038
## Busyness_vdif_.L.PET	0.321976968	0.255457278	0.225677643
## Complexity_vdif_.L.PET	0.628520081	0.781693449	0.739500369
## Strength_vdif_.L.PET	0.184016840	0.190920712	0.169595670
## SRE_align.L.PET	0.835918038	0.884380536	0.860784334
## LRE_align.L.PET	0.830996885	0.853913974	0.828343663
## GLNU_align.L.PET	0.271517618	0.179058008	0.151768859
## RLNU_align.L.PET	0.254215709	0.186796473	0.169883098
## RP_align.L.PET	0.835344227	0.885650175	0.862293750
## LGRE_align.L.PET	0.528567226	0.441903526	0.361190603
## HGRE_align.L.PET	0.481075673	0.665728411	0.711711138
## LGSRE_align.L.PET	0.530921561	0.449801820	0.369614817
## HGSRE_align.L.PET	0.479901323	0.665804525	0.711100612
## LGHRE_align.L.PET	0.516507193	0.408119456	0.326061483
## HGLRE_align.L.PET	0.484504115	0.663525380	0.712089831
## GLNU_norm_align.L.PET	0.496947363	0.520371986	0.503163317
## RLNU_norm_align.L.PET	0.833183798	0.889712196	0.867071967
## GLVAR_align.L.PET	0.557677269	0.674695550	0.658379501
## RLVAR_align.L.PET	0.474787101	0.454945769	0.444969127
## Entropy_align.L.PET	0.832226599	0.889016582	0.872331451
## SZSE.L.PET	0.819125841	0.873209451	0.849919803
## LZSE.L.PET	0.580357118	0.560885629	0.540649488
## LGLZE.L.PET	0.533749277	0.457999659	0.378674458
## HGLZE.L.PET	0.492079454	0.676449605	0.720789426
## SZLGE.L.PET	0.535287934	0.478530773	0.402001624
## SZHGE.L.PET	0.492231138	0.676607079	0.717424408
## LZLGE.L.PET	0.449545224	0.299474615	0.221739703
## LZHGE.L.PET	0.393330794	0.531174817	0.575669796
## GLNU_area.L.PET	0.273132650	0.184922608	0.158277654
## ZSNU.L.PET	0.257788928	0.196884950	0.181402169
## ZSP.L.PET	0.820171546	0.883472383	0.862031729
## GLNU_norm.L.PET	0.495864940	0.521591757	0.504751877
## ZSNU_norm.L.PET	0.816721514	0.893040133	0.873722985
## GLVAR_area.L.PET	0.566727920	0.687389273	0.672276176
## ZSVAR.L.PET	0.390511522	0.294216234	0.268341031
## Entropy_area.L.PET	0.836500947	0.882748673	0.864266897
## Max_cooc.H.PET	0.003906712	-0.051380017	0.023946473
## Average_cooc.H.PET	0.760577301	0.790917648	0.778903292
## Variance_cooc.H.PET	0.818855237	0.929942513	0.910049267
## Entropy_cooc.H.PET	1.000000000	0.840340894	0.768471072
## DAVE_cooc.H.PET	0.840340894	1.000000000	0.969970484
## DVAR_cooc.H.PET	0.768471072	0.969970484	1.000000000
## DENT_cooc.H.PET	0.678119430	0.760582813	0.692786006
## SAVE_cooc.H.PET	0.774200469	0.827267632	0.804880203

## SVAR_cooc.H.PET	0.710462619	0.803759188	0.781261706
## SENT_cooc.H.PET	0.658808550	0.726371477	0.664976836
## ASM_cooc.H.PET	-0.014169691	-0.038183207	0.048531464
## Contrast_cooc.H.PET	0.769773776	0.978806586	0.973378915
## Dissimilarity_cooc.H.PET	0.840340894	1.000000000	0.969970484
## Inv_diff_cooc.H.PET	0.324084342	0.299605411	0.355806944
## Inv_diff_norm_cooc.H.PET	0.812146415	0.834621617	0.814017815
## IDM_cooc.H.PET	0.206239688	0.183181626	0.251806056
## IDM_norm_cooc.H.PET	0.826957343	0.856104610	0.831249790
## Inv_var_cooc.H.PET	0.517161051	0.515651229	0.484173282
## Correlation_cooc.H.PET	0.502382577	0.361052534	0.330810628
## Autocorrelation_cooc.H.PET	0.663737154	0.670614309	0.670251680
## Tendency_cooc.H.PET	0.772160620	0.820400718	0.794469164
## Shade_cooc.H.PET	-0.374323140	-0.524644630	-0.534648392
## Prominence_cooc.H.PET	0.646820394	0.679401549	0.649223418
## IC1_d.H.PET	-0.009856450	0.196655812	0.205331124
## IC2_d.H.PET	0.647619152	0.521249576	0.479520260
## Coarseness_vdif.H.PET	0.263636669	0.340422572	0.348779056
## Contrast_vdif.H.PET	-0.047365669	0.155914084	0.304285579
## Busyness_vdif.H.PET	0.168068945	0.129097413	0.128544281
## Complexity_vdif.H.PET	0.509887415	0.720555146	0.715603406
## Strength_vdif.H.PET	0.009015916	-0.111986043	-0.107201108
## SRE_align.H.PET	0.889990435	0.945032450	0.898076148
## LRE_align.H.PET	0.310992635	0.289940179	0.347275536
## RLNU_align.H.PET	0.287217677	0.217917505	0.198305420
## RP_align.H.PET	0.893071732	0.953536954	0.904264202
## LGRE_align.H.PET	0.299192623	0.378619521	0.391642534
## HGRE_align.H.PET	0.666469231	0.689284566	0.698794139
## LGSRE_align.H.PET	0.297180758	0.376842582	0.389828281
## HGSRE_align.H.PET	0.789111338	0.829627511	0.806427962
## LGHRE_align.H.PET	0.306084728	0.383829388	0.397873152
## HGLRE_align.H.PET	0.108631063	0.073194824	0.154942848
## GLNU_norm_align.H.PET	0.172914643	0.175486344	0.230119952
## RLNU_norm_align.H.PET	0.897367364	0.964038823	0.903621913
## GLVAR_align.H.PET	0.797452143	0.903740519	0.887471781
## RLVAR_align.H.PET	-0.046038181	-0.090006733	-0.012483282
## Entropy_align.H.PET	0.871698142	0.874520476	0.833807791
## SZSE.H.PET	0.873732495	0.913699278	0.850243588
## LZSE.H.PET	-0.184118545	-0.231865929	-0.206208651
## LGLZE.H.PET	0.301881233	0.380554895	0.394353240
## HGLZE.H.PET	0.629300110	0.640691194	0.610441687
## SZLGE.H.PET	0.295496920	0.374243143	0.388122008
## SZHGE.H.PET	0.787076534	0.799194922	0.734008848
## LZLGE.H.PET	-0.183661692	-0.203776411	-0.153928473
## LZHGE.H.PET	-0.188406321	-0.254720406	-0.201506820
## GLNU_area.H.PET	0.285895003	0.230770981	0.207564026
## ZSNU.H.PET	0.294254831	0.224884517	0.209009677
## ZSP.H.PET	0.793816011	0.854792163	0.782405922
## GLNU_norm.H.PET	0.191594795	0.207412439	0.271665015
## ZSNU_norm.H.PET	0.826749831	0.861192183	0.790643342
## GLVAR_area.H.PET	0.771311087	0.891167404	0.876242300
## ZSVAR.H.PET	-0.201128732	-0.244418021	-0.197899499
## Entropy_area.H.PET	0.840826480	0.860734944	0.828855377
## Max_cooc.W.PET	0.071879933	0.044653097	0.110536717

## Average_cooc.W.PET	0.704019958	0.673408962	0.633179150
## Variance_cooc.W.PET	0.494189354	0.387452849	0.336742376
## Entropy_cooc.W.PET	0.891933849	0.910415422	0.850482403
## DAVE_cooc.W.PET	0.739558233	0.756145541	0.694164462
## DVAR_cooc.W.PET	0.541026184	0.487804598	0.446793237
## DENT_cooc.W.PET	0.894971972	0.925138476	0.858407382
## SAVE_cooc.W.PET	0.703663210	0.672874524	0.632610796
## SVAR_cooc.W.PET	0.456164556	0.321870370	0.269563936
## SENT_cooc.W.PET	0.873381620	0.895585881	0.834228642
## ASM_cooc.W.PET	0.109084560	0.127926039	0.190185157
## Contrast_cooc.W.PET	0.549300709	0.524147273	0.482129159
## Dissimilarity_cooc.W.PET	0.739558233	0.756145541	0.694164462
## Inv_diff_cooc.W.PET	0.401054043	0.423186212	0.468802416
## Inv_diff_norm_cooc.W.PET	0.827311754	0.849570306	0.826766832
## IDM_cooc.W.PET	0.244675928	0.257115494	0.323376004
## IDM_norm_cooc.W.PET	0.832776849	0.864583314	0.841439433
## Inv_var_cooc.W.PET	0.323527069	0.354192865	0.408449419
## Correlation_cooc.W.PET	0.474673315	0.327366971	0.304484788
## Autocorrelation_cooc.W.PET	0.492158954	0.396921194	0.373341268
## Tendency_cooc.W.PET	0.456164556	0.321870370	0.269563936
## Shade_cooc.W.PET	0.180246239	0.023038090	-0.019195734
## Prominence_cooc.W.PET	0.159386290	0.005430633	-0.022181311
## IC1_d.W.PET	-0.081919187	0.119573830	0.138962896
## IC2_d.W.PET	0.725257775	0.638685310	0.597289405
## Coarseness_vdif.W.PET	0.228541411	0.353015117	0.386017847
## Contrast_vdif.W.PET	0.627232913	0.720064859	0.660183850
## Busyness_vdif.W.PET	0.031784930	-0.060030054	-0.032519075
## Complexity_vdif.W.PET	0.381191405	0.238586036	0.210476056
## Strength_vdif.W.PET	0.358914234	0.276940456	0.197608048
## SRE_align.W.PET	0.869522990	0.917361030	0.881149626
## LRE_align.W.PET	0.569731685	0.581142664	0.611501077
## GLNU_align.W.PET	0.186188631	0.125183974	0.114863228
## RLNU_align.W.PET	0.272851286	0.201978951	0.182451640
## RP_align.W.PET	0.876165637	0.926728383	0.887815023
## LGRE_align.W.PET	0.207748251	0.162323836	0.167366468
## HGRE_align.W.PET	0.498489720	0.408018628	0.385333684
## LGSRE_align.W.PET	0.250041996	0.215739290	0.212421579
## HGSRE_align.W.PET	0.496496743	0.406142750	0.382902751
## LGHRE_align.W.PET	0.046589588	-0.040845929	-0.009932581
## HGLRE_align.W.PET	0.504235755	0.413241851	0.393442611
## GLNU_norm_align.W.PET	0.180678063	0.187082701	0.239662794
## RLNU_norm_align.W.PET	0.894252051	0.947353668	0.898734876
## GLVAR_align.W.PET	0.497989055	0.388600868	0.343979377
## RLVAR_align.W.PET	0.008521182	-0.020453495	0.061681336
## Entropy_align.W.PET	0.882476145	0.894756600	0.850287231
## SZSE.W.PET	0.878573368	0.927621031	0.881011140
## LZSE.W.PET	-0.110486463	-0.175700586	-0.080413963
## LGLZE.W.PET	0.210547591	0.192243166	0.208943151
## HGLZE.W.PET	0.502525363	0.409108708	0.383862365
## SZLGE.W.PET	0.303786909	0.313589539	0.315378510
## SZHGE.W.PET	0.495241702	0.400730212	0.373921826
## LZLGE.W.PET	-0.148143625	-0.266754831	-0.225308606
## LZHGE.W.PET	0.418092834	0.328507661	0.346243005
## GLNU_area.W.PET	0.236718754	0.179710599	0.162598489

## ZSNU.W.PET	0.286801434	0.216821857	0.197504512
## ZSP.W.PET	0.879499651	0.941073727	0.876743247
## GLNU_norm.W.PET	0.183979655	0.214338608	0.279796090
## ZSNU_norm.W.PET	0.883890061	0.935458065	0.875523631
## GLVAR_area.W.PET	0.500061999	0.390173197	0.345042246
## ZSVAR.W.PET	-0.169355033	-0.235624298	-0.139465464
## Entropy_area.W.PET	0.868915982	0.877687581	0.838887974
## Min_hist.ADC	0.351010200	0.274426047	0.311513882
## Max_hist.ADC	0.710113792	0.758630188	0.740868699
## Mean_hist.ADC	0.731337053	0.755786661	0.736854816
## Variance_hist.ADC	0.257978877	0.336113114	0.337115440
## Standard_Deviation_hist.ADC	0.517740487	0.601319189	0.591048182
## Skewness_hist.ADC	0.198328188	0.181897209	0.213313295
## Kurtosis_hist.ADC	0.286755574	0.207820623	0.175843523
## Energy_hist.ADC	0.279091406	0.356533084	0.368716833
## Entropy_hist.ADC	0.786433156	0.836823014	0.807632155
## AUC_hist.ADC	0.823606201	0.872072889	0.856023481
## Volume.ADC	0.320465334	0.294118449	0.288704773
## X3D_surface.ADC	0.358713476	0.374820409	0.354527992
## ratio_3ds_vol.ADC	0.534611909	0.576338979	0.577472716
## ratio_3ds_vol_norm.ADC	0.784656445	0.835140640	0.809850848
## irregularity.ADC	0.811964950	0.864831671	0.847759556
## Compactness_v1.ADC	0.501425737	0.572445503	0.574040591
##	DENT_cooc.H.PET	SAVE_cooc.H.PET	SVAR_cooc.H.PET
## Failure	-0.1123445717	0.011453752	-0.079354198
## Entropy_cooc.W.ADC	0.1797126504	0.037166289	0.176929623
## GLNU_align.H.PET	0.0855653422	-0.050123557	0.079031665
## Min_hist.PET	0.6117902654	0.448835100	0.659693556
## Max_hist.PET	0.6164980203	0.454592487	0.702407716
## Mean_hist.PET	0.6117156407	0.442391727	0.688870337
## Variance_hist.PET	0.3359292426	0.175708792	0.444026221
## Standard_Deviation_hist.PET	0.5881036287	0.450623150	0.685467234
## Skewness_hist.PET	0.4243424605	0.557986747	0.289991283
## Kurtosis_hist.PET	0.1236889276	0.148272679	0.018000499
## Energy_hist.PET	0.1756036266	0.408167518	0.276731076
## Entropy_hist.PET	0.8307032597	0.852351247	0.887437252
## AUC_hist.PET	0.7664441995	0.975476057	0.839254948
## H_suv.PET	0.5777024983	0.472693128	0.653930867
## Volume.PET	0.4409365286	0.306015702	0.486062860
## X3D_surface.PET	0.3269182726	0.184155108	0.388670288
## ratio_3ds_vol.PET	0.2599372525	0.566792961	0.309942425
## ratio_3ds_vol_norm.PET	0.3858289549	0.559695904	0.504039533
## irregularity.PET	0.6988546495	0.959056738	0.743927852
## tumor_length.PET	0.5807203070	0.561466279	0.677486453
## Compactness_v1.PET	0.3453562599	0.506047614	0.425003491
## Compactness_v2.PET	0.3313581947	0.221450938	0.220227061
## Spherical_disproportion.PET	0.3858289549	0.559695904	0.504039533
## Sphericity.PET	0.3490573162	0.230016247	0.230191487
## Asphericity.PET	0.3673980593	0.537905856	0.485607966
## Center_of_mass.PET	0.3677808635	0.356311131	0.478090127
## Max_3D_diam.PET	0.5870392570	0.425172523	0.592559922
## Major_axis_length.PET	0.6199132855	0.460475373	0.653296423
## Minor_axis_length.PET	0.6765782082	0.619267680	0.744416184
## Least_axis_length.PET	0.6252973206	0.514983382	0.692715825

## Elongation.PET	0.6095372910	0.845623770	0.679152529
## Flatness.PET	0.5992183232	0.775171903	0.677861460
## Max_cooc.L.PET	0.2043100588	0.431652556	0.321202374
## Average_cooc.L.PET	0.5664522021	0.800795665	0.686735945
## Variance_cooc.L.PET	0.3824001724	0.661956767	0.379775182
## Entropy_cooc.L.PET	0.7900033872	0.962910603	0.862062996
## DAVE_cooc.L.PET	0.5160027710	0.750748952	0.496362151
## DVAR_cooc.L.PET	0.4094976343	0.640510530	0.369871314
## DENT_cooc.L.PET	0.7360170577	0.956777036	0.778364436
## SAVE_cooc.L.PET	0.5664585023	0.800652767	0.686640970
## SVAR_cooc.L.PET	0.3833397370	0.682577099	0.421462871
## SENT_cooc.L.PET	0.7204406674	0.960394585	0.821857163
## ASM_cooc.L.PET	0.1956975313	0.400267062	0.315497258
## Contrast_cooc.L.PET	0.3294087501	0.540039932	0.262383711
## Dissimilarity_cooc.L.PET	0.5160027710	0.750748952	0.496362151
## Inv_diff_cooc.L.PET	0.6723340362	0.822308414	0.792656338
## Inv_diff_norm_cooc.L.PET	0.7803827441	0.973428883	0.862482658
## IDM_cooc.L.PET	0.5862707633	0.729787264	0.715708799
## IDM_norm_cooc.L.PET	0.7793946748	0.978133507	0.857711158
## Inv_var_cooc.L.PET	0.5976652535	0.733017802	0.722859675
## Correlation_cooc.L.PET	0.5196624133	0.668274173	0.695049787
## Autocorrelation_cooc.L.PET	0.3581723045	0.607755974	0.503982110
## Tendency_cooc.L.PET	0.3833397370	0.682577099	0.421462871
## Shade_cooc.L.PET	0.2149185836	0.368276971	0.096989194
## Prominence_cooc.L.PET	0.2072668716	0.507420294	0.194313918
## IC1_.L.PET	-0.0976925901	-0.397158029	-0.118160977
## IC2_.L.PET	0.5803573453	0.902441697	0.672157161
## Coarseness_vdif_.L.PET	0.1580623750	0.457228211	0.274330474
## Contrast_vdif_.L.PET	0.0873649015	0.225530275	-0.021991198
## Busyness_vdif_.L.PET	0.4184533776	0.271709251	0.435047172
## Complexity_vdif_.L.PET	0.4862796109	0.695849820	0.428282134
## Strength_vdif_.L.PET	0.0359576777	0.317536814	-0.024946152
## SRE_align.L.PET	0.7711029778	0.980327246	0.838774913
## LRE_align.L.PET	0.7763198654	0.970659536	0.860552308
## GLNU_align.L.PET	0.3619252546	0.207881091	0.423002117
## RLNU_align.L.PET	0.3730766921	0.181206199	0.440580628
## RP_align.L.PET	0.7702296862	0.980325942	0.837099905
## LGRE_align.L.PET	0.3985177302	0.612418249	0.379348703
## HGRE_align.L.PET	0.3820919576	0.618397072	0.514472782
## LGSRE_align.L.PET	0.4015380714	0.616713749	0.383662149
## HGSRE_align.L.PET	0.3798534926	0.616986204	0.508539801
## LGHRE_align.L.PET	0.3839734639	0.591491737	0.360773237
## HGLRE_align.L.PET	0.3904246724	0.622178092	0.537354694
## GLNU_norm_align.L.PET	0.4097512204	0.646585735	0.482447538
## RLNU_norm_align.L.PET	0.7665276279	0.979341644	0.830417161
## GLVAR_align.L.PET	0.4116785848	0.681396193	0.440799376
## RLVAR_align.L.PET	0.4334612840	0.597902103	0.596483082
## Entropy_align.L.PET	0.7808971400	0.965718439	0.869128619
## SZSE.L.PET	0.7523180361	0.959253981	0.806948688
## LZSE.L.PET	0.5441119528	0.669484309	0.653835110
## LGLZE.L.PET	0.4103145192	0.623797570	0.396308451
## HGLZE.L.PET	0.3910856660	0.627154960	0.518870753
## SZLGE.L.PET	0.4167872702	0.632316497	0.405827126
## SZHGE.L.PET	0.3886655661	0.622121412	0.498142777

## LZLGE.L.PET	0.3160166454	0.492294145	0.300678843
## LZHGE.L.PET	0.3176284687	0.510857324	0.492408498
## GLNU_area.L.PET	0.3701856400	0.209968681	0.427027189
## ZSNU.L.PET	0.3817368789	0.183359538	0.441077290
## ZSP.L.PET	0.7573410148	0.967477957	0.809095942
## GLNU_norm.L.PET	0.4124301569	0.646678761	0.485734762
## ZSNU_norm.L.PET	0.7574793316	0.969675866	0.809079758
## GLVAR_area.L.PET	0.4216301751	0.691007130	0.452692004
## ZSVAR.L.PET	0.3264746747	0.405641352	0.479588569
## Entropy_area.L.PET	0.7839940722	0.964609254	0.876809250
## Max_cooc.H.PET	-0.0312298426	0.368743054	-0.024320980
## Average_cooc.H.PET	0.6983333739	0.980449218	0.744356092
## Variance_cooc.H.PET	0.7724854257	0.792908073	0.915733955
## Entropy_cooc.H.PET	0.6781194305	0.774200469	0.710462619
## DAVE_cooc.H.PET	0.7605828128	0.827267632	0.803759188
## DVAR_cooc.H.PET	0.6927860063	0.804880203	0.781261706
## DENT_cooc.H.PET	1.0000000000	0.763059993	0.831775132
## SAVE_cooc.H.PET	0.7630599933	1.000000000	0.815816607
## SVAR_cooc.H.PET	0.8317751323	0.815816607	1.000000000
## SENT_cooc.H.PET	0.5585716461	0.629024387	0.721596691
## ASM_cooc.H.PET	-0.0490175979	0.336833338	-0.005099871
## Contrast_cooc.H.PET	0.6829948371	0.724388730	0.730906930
## Dissimilarity_cooc.H.PET	0.7605828128	0.827267632	0.803759188
## Inv_diff_cooc.H.PET	0.3259287409	0.723924384	0.398564236
## Inv_diff_norm_cooc.H.PET	0.7537792231	0.983207666	0.829001724
## IDM_cooc.H.PET	0.2212194391	0.629126716	0.285856842
## IDM_norm_cooc.H.PET	0.7668387469	0.982785595	0.838998525
## Inv_var_cooc.H.PET	0.4238860718	0.530959362	0.550001362
## Correlation_cooc.H.PET	0.5397247619	0.662889435	0.734239077
## Autocorrelation_cooc.H.PET	0.6036813481	0.941190543	0.644998591
## Tendency_cooc.H.PET	0.7517721329	0.759011027	0.933700576
## Shade_cooc.H.PET	-0.3957566629	-0.385800662	-0.633217036
## Prominence_cooc.H.PET	0.6385996274	0.525749141	0.842744722
## IC1_d.H.PET	-0.1083616469	-0.176246396	-0.191901704
## IC2_d.H.PET	0.6324848962	0.770985228	0.804355906
## Coarseness_vdif.H.PET	0.1798122272	0.393612665	0.296260822
## Contrast_vdif.H.PET	-0.0564778262	0.324127117	0.062531106
## Busyness_vdif.H.PET	0.1683912230	0.127162971	0.159638291
## Complexity_vdif.H.PET	0.4220803552	0.621858586	0.550963304
## Strength_vdif.H.PET	-0.1446455402	0.019233300	-0.185771942
## SRE_align.H.PET	0.8025595470	0.932987985	0.860464893
## LRE_align.H.PET	0.3617161809	0.698637695	0.438325860
## RLNU_align.H.PET	0.3866614467	0.169814422	0.442325361
## RP_align.H.PET	0.7996053696	0.916839061	0.855801579
## LGRE_align.H.PET	0.2245571048	0.410509705	0.361365402
## HGRE_align.H.PET	0.6137223182	0.937489303	0.652071774
## LGSRE_align.H.PET	0.2223093227	0.408176664	0.358180820
## HGSRE_align.H.PET	0.7090618465	0.958250974	0.726764213
## LGHRE_align.H.PET	0.2355901871	0.424201633	0.377879354
## HGLRE_align.H.PET	0.1664290282	0.508400221	0.226548970
## GLNU_norm_align.H.PET	0.1446157140	0.575517168	0.142118448
## RLNU_norm_align.H.PET	0.7933397145	0.854396957	0.840500433
## GLVAR_align.H.PET	0.7592785669	0.757536654	0.914125043
## RLVAR_align.H.PET	0.0806102110	0.367049891	0.137047470

## Entropy_align.H.PET	0.8136374696	0.850266518	0.923989950
## SZSE.H.PET	0.7803665495	0.794667508	0.816878906
## LZSE.H.PET	-0.0187518139	0.001467323	-0.049594042
## LGLZE.H.PET	0.2243941704	0.410773488	0.365019496
## HGLZE.H.PET	0.7112386724	0.897201589	0.664454942
## SZLGE.H.PET	0.2181097487	0.404985111	0.354987820
## SZHGE.H.PET	0.7196088998	0.806667399	0.661704797
## LZLGE.H.PET	-0.0081956552	0.060949410	0.009848526
## LZHGE.H.PET	-0.0837121885	0.003060525	-0.085375651
## GLNU_area.H.PET	0.3856840726	0.222565838	0.439968376
## ZSNU.H.PET	0.3830251753	0.133368525	0.412694927
## ZSP.H.PET	0.6869399478	0.597277662	0.705956947
## GLNU_norm.H.PET	0.1411511438	0.581470389	0.175370894
## ZSNU_norm.H.PET	0.7164061026	0.646953444	0.748803777
## GLVAR_area.H.PET	0.7532293736	0.740972673	0.903497621
## ZSVAR_H.PET	-0.0507311888	0.002190614	-0.060554397
## Entropy_area.H.PET	0.8159065164	0.919112858	0.916840221
## Max_cooc.W.PET	-0.0033611621	0.365461591	0.035536469
## Average_cooc.W.PET	0.5848274868	0.438055207	0.702528958
## Variance_cooc.W.PET	0.3290202369	0.179862919	0.430497835
## Entropy_cooc.W.PET	0.8077931021	0.795835968	0.882911273
## DAVE_cooc.W.PET	0.5977666554	0.469206857	0.649102001
## DVAR_cooc.W.PET	0.3630611232	0.212432742	0.436702930
## DENT_cooc.W.PET	0.7874423763	0.779097400	0.838626246
## SAVE_cooc.W.PET	0.5845752272	0.437360384	0.702050621
## SVAR_cooc.W.PET	0.2969751095	0.157665295	0.410251272
## SENT_cooc.W.PET	0.7844107710	0.840666312	0.896884994
## ASM_cooc.W.PET	0.0409729709	0.383733533	0.129328459
## Contrast_cooc.W.PET	0.3833064512	0.221434376	0.444673652
## Dissimilarity_cooc.W.PET	0.5977666554	0.469206857	0.649102001
## Inv_diff_cooc.W.PET	0.4089039363	0.797145639	0.483699372
## Inv_diff_norm_cooc.W.PET	0.7777134780	0.974329984	0.859333420
## IDM_cooc.W.PET	0.2673940359	0.676938060	0.342446770
## IDM_norm_cooc.W.PET	0.7790050692	0.978354197	0.856730884
## Inv_var_cooc.W.PET	0.3467481968	0.741243486	0.429650961
## Correlation_cooc.W.PET	0.5261229183	0.666733833	0.702086762
## Autocorrelation_cooc.W.PET	0.3610715653	0.170713576	0.475694101
## Tendency_cooc.W.PET	0.2969751095	0.157665295	0.410251272
## Shade_cooc.W.PET	0.0159444204	0.002543725	0.115033004
## Prominence_cooc.W.PET	-0.0203991267	-0.033845146	0.097702028
## IC1_d.W.PET	-0.1295767466	-0.189931419	-0.212676753
## IC2_d.W.PET	0.6630166531	0.833943915	0.828794117
## Coarseness_vdif.W.PET	0.1190930207	0.428183966	0.215281363
## Contrast_vdif.W.PET	0.4225018109	0.419761804	0.479744047
## Busyness_vdif.W.PET	0.0719241134	0.307783855	0.053277569
## Complexity_vdif.W.PET	0.2104199971	0.089283877	0.322797701
## Strength_vdif.W.PET	0.1675566765	0.227748564	0.230613327
## SRE_align.W.PET	0.7941611006	0.963830543	0.857832977
## LRE_align.W.PET	0.5788484786	0.896441030	0.664982126
## GLNU_align.W.PET	0.3341014405	0.250832618	0.396837182
## RLNU_align.W.PET	0.3783139179	0.175026975	0.441009890
## RP_align.W.PET	0.7965736469	0.956375425	0.859038740
## LGRE_align.W.PET	0.1578382541	0.559166439	0.095045231
## HGRE_align.W.PET	0.3670016108	0.171365758	0.475612203

## LGSRE_align.W.PET	0.1926170202	0.591086363	0.128317877
## HGSRE_align.W.PET	0.3637227742	0.167171150	0.469423425
## LGHRE_align.W.PET	0.0353790505	0.409281372	-0.021357724
## HGLRE_align.W.PET	0.3794760531	0.188328420	0.501161732
## GLNU_norm_align.W.PET	0.1366635656	0.563575202	0.146969462
## RLNU_norm_align.W.PET	0.8057331451	0.928832575	0.861314389
## GLVAR_align.W.PET	0.3359935287	0.175578906	0.443899937
## RLVAR_align.W.PET	0.0997107927	0.429928892	0.177989838
## Entropy_align.W.PET	0.8177251332	0.849697339	0.918186119
## SZSE.W.PET	0.7925120862	0.899331579	0.835595559
## LZSE.W.PET	-0.0685930336	0.181739117	-0.014720540
## LGLZE.W.PET	0.1786601342	0.581826184	0.138935469
## HGLZE.W.PET	0.3682901310	0.175563717	0.475676916
## SZLGE.W.PET	0.2639037128	0.641261228	0.221400953
## SZHGE.W.PET	0.3581883625	0.164598399	0.456129248
## LZLGE.W.PET	-0.1196676631	0.052283631	-0.155320386
## LZHGE.W.PET	0.3204362344	0.229138469	0.520250760
## GLNU_area.W.PET	0.3635335631	0.245414590	0.423850990
## ZSNU.W.PET	0.3825472559	0.157065257	0.428859010
## ZSP.W.PET	0.7898577887	0.815093180	0.823068145
## GLNU_norm.W.PET	0.1472119059	0.581068411	0.182294998
## ZSNU_norm.W.PET	0.7864783773	0.806331226	0.816254683
## GLVAR_area.W.PET	0.3367140660	0.179603383	0.447103169
## ZSVAR.W.PET	-0.1196643822	0.090455729	-0.078940606
## Entropy_area.W.PET	0.8187971931	0.901804374	0.922748095
## Min_hist.ADC	0.1559763523	0.332524534	0.155057697
## Max_hist.ADC	0.7822627518	0.869245194	0.767498098
## Mean_hist.ADC	0.7123624162	0.867604516	0.676766339
## Variance_hist.ADC	0.4659115278	0.478334499	0.448005475
## Standard_Deviation_hist.ADC	0.6626610176	0.741738295	0.669555392
## Skewness_hist.ADC	0.0702526425	0.180099053	0.219454568
## Kurtosis_hist.ADC	0.1590312017	0.238790097	0.193631451
## Energy_hist.ADC	0.1915167319	0.418014936	0.316096130
## Entropy_hist.ADC	0.8191594520	0.928161059	0.872187850
## AUC_hist.ADC	0.7420298702	0.943884912	0.841335574
## Volume.ADC	0.4173115216	0.289424149	0.455011697
## X3D_surface.ADC	0.4768466075	0.400377958	0.519585693
## ratio_3ds_vol.ADC	0.3402103718	0.659940732	0.417314445
## ratio_3ds_vol_norm.ADC	0.7371379839	0.920837004	0.822342567
## irregularity.ADC	0.6991822759	0.944951818	0.776014960
## Compactness_v1.ADC	0.4216927632	0.655035433	0.529435186
##	SENT_cooc.H.PET	ASM_cooc.H.PET	Contrast_cooc.H.PET
## Failure	0.007828223	0.1235224357	0.037890490
## Entropy_cooc.W.ADC	0.093559844	-0.0463081806	-0.061260817
## GLNU_align.H.PET	0.061184095	-0.0114766628	-0.122265126
## Min_hist.PET	0.608416234	-0.3198282932	0.674853453
## Max_hist.PET	0.626652503	-0.3342297841	0.614649932
## Mean_hist.PET	0.625060464	-0.3500576239	0.682919720
## Variance_hist.PET	0.485176919	-0.3786526596	0.391704926
## Standard_Deviation_hist.PET	0.675389352	-0.3511995249	0.647182355
## Skewness_hist.PET	0.319719865	0.3380562358	0.212486599
## Kurtosis_hist.PET	0.064581857	0.1886572396	-0.028850560
## Energy_hist.PET	0.568312331	0.5310851837	0.330333990
## Entropy_hist.PET	0.590718570	0.1102546267	0.674179455

## AUC_hist.PET	0.696334136	0.3233502204	0.766492003
## H_suv.PET	0.733363541	-0.2927643136	0.778079539
## Volume.PET	0.034464159	-0.1712533438	0.265786403
## X3D_surface.PET	0.294546480	-0.0797543844	0.078195556
## ratio_3ds_vol.PET	0.652264938	0.5306161439	0.388591763
## ratio_3ds_vol_norm.PET	0.775932052	0.3554532103	0.301954716
## irregularity.PET	0.647636748	0.3843334788	0.736176919
## tumor_length.PET	0.589129122	0.0715746096	0.364685044
## Compactness_v1.PET	0.480634586	0.4281235087	0.435556288
## Compactness_v2.PET	-0.283402982	-0.1872451430	0.245513482
## Spherical_disproportion.PET	0.775932052	0.3554532103	0.301954716
## Sphericity.PET	-0.329892707	-0.2405653516	0.267413414
## Asphericity.PET	0.767855651	0.3528993629	0.281872563
## Center_of_mass.PET	0.385735713	-0.0026851656	0.104580105
## Max_3D_diam.PET	0.113987447	-0.1863198701	0.334348934
## Major_axis_length.PET	0.267566220	-0.1329368369	0.373680360
## Minor_axis_length.PET	0.441749131	-0.0477727082	0.456778116
## Least_axis_length.PET	0.335041264	-0.1410369916	0.382229737
## Elongation.PET	0.665041090	0.2870616747	0.679820484
## Flatness.PET	0.596125376	0.1783704415	0.617093828
## Max_cooc.L.PET	0.590149627	0.5402643792	0.318114767
## Average_cooc.L.PET	0.587532577	0.2347400667	0.779711130
## Variance_cooc.L.PET	0.471141011	0.2984644655	0.601106447
## Entropy_cooc.L.PET	0.676982083	0.2175674410	0.808666373
## DAVE_cooc.L.PET	0.549285456	0.2502822964	0.794278135
## DVAR_cooc.L.PET	0.550561770	0.2267418993	0.732433269
## DENT_cooc.L.PET	0.673779187	0.2788490338	0.836975489
## SAVE_cooc.L.PET	0.587058081	0.2342329214	0.779658242
## SVAR_cooc.L.PET	0.461336013	0.3346887046	0.498736517
## SENT_cooc.L.PET	0.757533731	0.3308890092	0.769001438
## ASM_cooc.L.PET	0.587529664	0.4989713398	0.311324778
## Contrast_cooc.L.PET	0.423152318	0.2006310903	0.682729857
## Dissimilarity_cooc.L.PET	0.549285456	0.2502822964	0.794278135
## Inv_diff_cooc.L.PET	0.640811698	0.3029532646	0.523575625
## Inv_diff_norm_cooc.L.PET	0.689436009	0.2927597381	0.748846854
## IDM_cooc.L.PET	0.612927927	0.3176749934	0.428352506
## IDM_norm_cooc.L.PET	0.691374254	0.2943160299	0.764949053
## Inv_var_cooc.L.PET	0.612483396	0.3201578226	0.430935289
## Correlation_cooc.L.PET	0.440713500	0.2803090236	0.164837033
## Autocorrelation_cooc.L.PET	0.450815424	0.2323682702	0.611762249
## Tendency_cooc.L.PET	0.461336013	0.3346887046	0.498736517
## Shade_cooc.L.PET	0.205822155	0.2826149869	0.008747212
## Prominence_cooc.L.PET	0.326844457	0.3612728870	0.264624824
## IC1_.L.PET	-0.115858902	-0.2825224214	-0.207179025
## IC2_.L.PET	0.667470888	0.4290118764	0.655194158
## Coarseness_vdif_.L.PET	0.539313428	0.5971111096	0.347542345
## Contrast_vdif_.L.PET	0.158465058	0.1920323604	0.319049802
## Busyness_vdif_.L.PET	0.120807119	-0.1623128053	0.193263292
## Complexity_vdif_.L.PET	0.588708987	0.2558096827	0.763344764
## Strength_vdif_.L.PET	0.181807308	0.4812627058	0.150168181
## SRE_align.L.PET	0.695619256	0.3016510923	0.791942046
## LRE_align.L.PET	0.690619515	0.2779609868	0.751372013
## GLNU_align.L.PET	0.159723087	-0.1654835198	0.112415665
## RLNU_align.L.PET	0.143554304	-0.2194425587	0.135453491

## RP_align.L.PET	0.695709703	0.3026143202	0.793892798
## LGRE_align.L.PET	0.552095927	0.4303197727	0.331881743
## HGRE_align.L.PET	0.464468032	0.2340607519	0.670883738
## LGSRE_align.L.PET	0.559761792	0.4319869267	0.340791003
## HGSRE_align.L.PET	0.462841618	0.2366545011	0.671541607
## LGHRE_align.L.PET	0.519936515	0.4211475061	0.294786153
## HGLRE_align.L.PET	0.470295223	0.2220751019	0.666277693
## GLNU_norm_align.L.PET	0.650366710	0.5271111759	0.444954636
## RLNU_norm_align.L.PET	0.696195899	0.3058363158	0.800532175
## GLVAR_align.L.PET	0.497334050	0.2724579024	0.644063002
## RLVAR_align.L.PET	0.646892858	0.3807375571	0.366361785
## Entropy_align.L.PET	0.682996365	0.2327865812	0.803679281
## SZSE.L.PET	0.673633458	0.3095371985	0.786826906
## LZSE.L.PET	0.524424427	0.1389911119	0.471700491
## LGLZE.L.PET	0.563509026	0.4258363098	0.348034376
## HGLZE.L.PET	0.472881568	0.2337929686	0.680848605
## SZLGE.L.PET	0.576334333	0.4339930656	0.372956899
## SZHGE.L.PET	0.463630789	0.2420339892	0.682462254
## LZLGE.L.PET	0.432940004	0.3553623921	0.187863603
## LZHGE.L.PET	0.419785505	0.1422771519	0.526396484
## GLNU_area.L.PET	0.152717570	-0.1692306792	0.119944663
## ZSNU.L.PET	0.132048079	-0.2232095088	0.149213121
## ZSP.L.PET	0.675622385	0.3142716602	0.798932289
## GLNU_norm.L.PET	0.651824254	0.5242748167	0.446419222
## ZSNU_norm.L.PET	0.685191483	0.3154501341	0.811900295
## GLVAR_area.L.PET	0.510081557	0.2737732875	0.657298289
## ZSVAR.L.PET	0.448406384	0.0911332127	0.206259134
## Entropy_area.L.PET	0.685902152	0.2246260460	0.793719482
## Max_cooc.H.PET	-0.039408297	0.9674289737	-0.111999669
## Average_cooc.H.PET	0.586294726	0.4484352311	0.687256335
## Variance_cooc.H.PET	0.755267799	-0.1117059278	0.891024548
## Entropy_cooc.H.PET	0.658808550	-0.0141696909	0.769773776
## DAVE_cooc.H.PET	0.726371477	-0.0381832072	0.978806586
## DVAR_cooc.H.PET	0.664976836	0.0485314639	0.973378915
## DENT_cooc.H.PET	0.558571646	-0.0490175979	0.682994837
## SAVE_cooc.H.PET	0.629024387	0.3368333378	0.724388730
## SVAR_cooc.H.PET	0.721596691	-0.0050998709	0.730906930
## SENT_cooc.H.PET	1.000000000	0.0133692541	0.679764359
## ASM_cooc.H.PET	0.013369254	1.0000000000	-0.077387882
## Contrast_cooc.H.PET	0.679764359	-0.0773878818	1.000000000
## Dissimilarity_cooc.H.PET	0.726371477	-0.0381832072	0.978806586
## Inv_diff_cooc.H.PET	0.233863940	0.8237027223	0.190578670
## Inv_diff_norm_cooc.H.PET	0.670889168	0.3577300071	0.729865390
## IDM_cooc.H.PET	0.132256876	0.8634614881	0.082397272
## IDM_norm_cooc.H.PET	0.684676206	0.3222893054	0.754174223
## Inv_var_cooc_.H.PET	0.778426867	0.2853658266	0.458589056
## Correlation_cooc.H.PET	0.490893107	0.2031644523	0.206628842
## Autocorrelation_cooc.H.PET	0.489595632	0.5812018998	0.559290282
## Tendency_cooc.H.PET	0.728476490	-0.1203375020	0.752493531
## Shade_cooc.H.PET	-0.471213617	0.2178332059	-0.527463934
## Prominence_cooc.H.PET	0.653352895	-0.3006828386	0.643123146
## IC1_d.H.PET	0.159958949	-0.0850065479	0.307649291
## IC2_d.H.PET	0.606255336	0.1856540111	0.373984909
## Coarseness_vdif.H.PET	0.588241263	0.5236171505	0.315090127

## Contrast_vdif.H.PET	-0.041752823	0.5875007107	0.158088520
## Busyness_vdif.H.PET	-0.331614132	-0.2106341405	0.109252100
## Complexity_vdif.H.PET	0.868728979	0.2335828589	0.714464995
## Strength_vdif.H.PET	-0.068222850	0.6218647526	-0.100506953
## SRE_align.H.PET	0.762025824	0.1265018658	0.866954868
## LRE_align.H.PET	0.196554819	0.7194545897	0.192334164
## RLNU_align.H.PET	0.176178759	-0.2531409940	0.175183710
## RP_align.H.PET	0.771628644	0.0984778304	0.881378942
## LGRE_align.H.PET	0.623999756	0.4537899664	0.353406384
## HGRE_align.H.PET	0.482661542	0.5933750812	0.588377550
## LGSRE_align.H.PET	0.622566735	0.4540543897	0.352020208
## HGSRE_align.H.PET	0.602416201	0.4022757921	0.736152067
## LGHRE_align.H.PET	0.628310514	0.4588265296	0.355739335
## HGLRE_align.H.PET	0.015966670	0.8221386456	0.002660413
## GLNU_norm_align.H.PET	0.086455268	0.8963907742	0.091845232
## RLNU_norm_align.H.PET	0.793415601	-0.0097584127	0.908168886
## GLVAR_align.H.PET	0.740558868	-0.1470346653	0.869094253
## RLVAR_align.H.PET	-0.074251252	0.7151161378	-0.164649995
## Entropy_align.H.PET	0.748606826	-0.0192411360	0.799781741
## SZSE.H.PET	0.770868257	-0.0499092739	0.861604609
## LZSE.H.PET	-0.148924390	0.3420369854	-0.237460403
## LGLZE.H.PET	0.626983235	0.4501238739	0.355828986
## HGLZE.H.PET	0.490186823	0.4791971958	0.527484442
## SZLGE.H.PET	0.621513245	0.4537700477	0.350154000
## SZHGE.H.PET	0.612613339	0.1546140887	0.727154143
## LZLGE.H.PET	-0.086506983	0.4049543675	-0.218186259
## LZHGE.H.PET	-0.175878065	0.4841783102	-0.253541520
## GLNU_area.H.PET	0.121864434	-0.2130418678	0.175544829
## ZSNU.H.PET	0.171496601	-0.2766139035	0.199007555
## ZSP.H.PET	0.724660994	-0.2706621444	0.844095463
## GLNU_norm.H.PET	0.109843017	0.8236253424	0.124257582
## ZSNU_norm.H.PET	0.765762769	-0.1983213775	0.837512948
## GLVAR_area.H.PET	0.734162773	-0.1621929245	0.860850732
## ZSVAR.H.PET	-0.163728770	0.3916569767	-0.247532903
## Entropy_area.H.PET	0.704188901	0.1050335345	0.768043338
## Max_cooc.W.PET	0.139220033	0.9705276961	0.002972449
## Average_cooc.W.PET	0.639552614	-0.3539878844	0.668329716
## Variance_cooc.W.PET	0.495138827	-0.3703890432	0.387367841
## Entropy_cooc.W.PET	0.767197159	-0.1370600433	0.852436531
## DAVE_cooc.W.PET	0.682633152	-0.3482718787	0.766426324
## DVAR_cooc.W.PET	0.509624999	-0.3828305333	0.517034672
## DENT_cooc.W.PET	0.778669844	-0.1384956010	0.877574821
## SAVE_cooc.W.PET	0.638496121	-0.3550729325	0.667849940
## SVAR_cooc.W.PET	0.467446945	-0.3491283302	0.306905006
## SENT_cooc.W.PET	0.865376563	-0.0225537807	0.821254670
## ASM_cooc.W.PET	0.290429328	0.9053094771	0.095486780
## Contrast_cooc.W.PET	0.522689210	-0.3935957121	0.563065913
## Dissimilarity_cooc.W.PET	0.682633152	-0.3482718787	0.766426324
## Inv_diff_cooc.W.PET	0.302229611	0.7432856130	0.312988251
## Inv_diff_norm_cooc.W.PET	0.686689051	0.3014373378	0.746618094
## IDM_cooc.W.PET	0.168376854	0.8170972545	0.155127219
## IDM_norm_cooc.W.PET	0.691020576	0.2960125657	0.765130010
## Inv_var_cooc.W.PET	0.246452902	0.7303305751	0.244325640
## Correlation_cooc.W.PET	0.448855353	0.2609804290	0.170554171

## Autocorrelation_cooc.W.PET	0.449308858	-0.3885127536	0.408158835
## Tendency_cooc.W.PET	0.467446945	-0.3491283302	0.306905006
## Shade_cooc.W.PET	0.226765810	-0.1586046712	-0.007514033
## Prominence_cooc.W.PET	0.189902173	-0.1673697738	-0.012565342
## IC1_d.W.PET	0.091551798	0.0047720637	0.216882076
## IC2_d.W.PET	0.701710123	0.2076441115	0.512399894
## Coarseness_vdif.W.PET	0.464283399	0.6137003602	0.334079816
## Contrast_vdif.W.PET	0.687101802	-0.2112417201	0.756164449
## Busyness_vdif.W.PET	-0.243481908	0.4335384990	-0.144123438
## Complexity_vdif.W.PET	0.357462484	-0.2921844394	0.234332035
## Strength_vdif.W.PET	0.461416826	-0.0939166991	0.238355404
## SRE_align.W.PET	0.732745763	0.2137219264	0.829712733
## LRE_align.W.PET	0.438478369	0.6097713667	0.474895061
## GLNU_align.W.PET	0.037894645	-0.0568864135	0.049630560
## RLNU_align.W.PET	0.164251066	-0.2367980949	0.153946825
## RP_align.W.PET	0.742189064	0.1902933956	0.841876441
## LGRE_align.W.PET	0.107516362	0.8222439755	0.059177849
## HGRE_align.W.PET	0.442488899	-0.3930783022	0.423177878
## LGSRE_align.W.PET	0.154192847	0.7865431558	0.109590855
## HGSRE_align.W.PET	0.440518585	-0.3942181191	0.422313841
## LGHRE_align.W.PET	-0.055480151	0.8968652651	-0.124738144
## HGLRE_align.W.PET	0.449358695	-0.3866264724	0.423995403
## GLNU_norm_align.W.PET	0.148535924	0.9276702897	0.110364021
## RLNU_norm_align.W.PET	0.767992334	0.1147322804	0.870733216
## GLVAR_align.W.PET	0.483215103	-0.3791793044	0.390463340
## RLVAR_align.W.PET	0.015870998	0.8013064301	-0.095849064
## Entropy_align.W.PET	0.754269108	-0.0362213462	0.823379876
## SZSE.W.PET	0.743402171	0.1137597001	0.856405743
## LZSE.W.PET	-0.137353191	0.7107115839	-0.202486981
## LGLZE.W.PET	0.134636538	0.8093366303	0.091311185
## HGLZE.W.PET	0.446543670	-0.3931858137	0.422298893
## SZLGE.W.PET	0.255111406	0.7374954258	0.213707110
## SZHGE.W.PET	0.435806048	-0.3918445504	0.415801419
## LZLGE.W.PET	-0.194309707	0.6808403802	-0.281473394
## LZHGE.W.PET	0.418080207	-0.2247032671	0.318743581
## GLNU_area.W.PET	0.075691000	-0.1312252995	0.111684023
## ZSNU.W.PET	0.168755062	-0.2571628643	0.178858591
## ZSP.W.PET	0.764884340	-0.0621845655	0.888300224
## GLNU_norm.W.PET	0.167685434	0.8937560762	0.137806663
## ZSNU_norm.W.PET	0.774022880	-0.0472978358	0.886011279
## GLVAR_area.W.PET	0.488515333	-0.3756623872	0.391101330
## ZSVAR.W.PET	-0.181835400	0.6618944630	-0.248133193
## Entropy_area.W.PET	0.731744870	0.0625045088	0.791523148
## Min_hist.ADC	0.152223261	0.2805167639	0.254326426
## Max_hist.ADC	0.553506523	0.2359075669	0.666223794
## Mean_hist.ADC	0.533043225	0.2895696984	0.668350214
## Variance_hist.ADC	0.274271289	0.2039073523	0.278375192
## Standard_Deviation_hist.ADC	0.467291201	0.2463897577	0.521857306
## Skewness_hist.ADC	0.153141190	0.0791227603	0.162610048
## Kurtosis_hist.ADC	0.299168393	0.0111847062	0.154937934
## Energy_hist.ADC	0.585823628	0.5137983603	0.328544932
## Entropy_hist.ADC	0.676668743	0.1982840111	0.738897838
## AUC_hist.ADC	0.683722488	0.2713848959	0.785136311
## Volume.ADC	0.018959077	-0.1649390310	0.252695195

## X3D_surface.ADC	0.252128044	-0.0455987825	0.320136895
## ratio_3ds_vol.ADC	0.447817724	0.4152636194	0.535538781
## ratio_3ds_vol_norm.ADC	0.607140343	0.2136398152	0.741996255
## irregularity.ADC	0.660881555	0.3235795880	0.787500445
## Compactness_v1.ADC	0.706344721	0.5087241042	0.518958631
##	Dissimilarity_cooc.H.PET	Inv_diff_cooc.H.PET	
## Failure	0.015700024	0.057886980	
## Entropy_cooc.W.ADC	-0.031737618	0.044175662	
## GLNU_align.H.PET	-0.106021135	0.025624937	
## Min_hist.PET	0.686844846	-0.115347541	
## Max_hist.PET	0.646835912	-0.082345590	
## Mean_hist.PET	0.690417041	-0.134246101	
## Variance_hist.PET	0.389563145	-0.271291828	
## Standard_Deviation_hist.PET	0.667205227	-0.120026595	
## Skewness_hist.PET	0.327631281	0.517026366	
## Kurtosis_hist.PET	0.028072137	0.234161820	
## Energy_hist.PET	0.356299517	0.473785527	
## Entropy_hist.PET	0.765988087	0.522240107	
## AUC_hist.PET	0.863544199	0.691789284	
## H_suv.PET	0.763509093	-0.113034611	
## Volume.PET	0.305414947	0.080580232	
## X3D_surface.PET	0.136040115	0.090538522	
## ratio_3ds_vol.PET	0.446670413	0.576128827	
## ratio_3ds_vol_norm.PET	0.396688091	0.525795745	
## irregularity.PET	0.831324858	0.714129947	
## tumor_length.PET	0.458267001	0.369295907	
## Compactness_v1.PET	0.470152171	0.463555842	
## Compactness_v2.PET	0.262209487	-0.009940518	
## Spherical_disproportion.PET	0.396688091	0.525795745	
## Sphericity.PET	0.279511968	-0.028839876	
## Asphericity.PET	0.375210652	0.513638552	
## Center_of_mass.PET	0.202271359	0.229758619	
## Max_3D_diam.PET	0.400690247	0.144010941	
## Major_axis_length.PET	0.440732506	0.178152951	
## Minor_axis_length.PET	0.549991522	0.343798534	
## Least_axis_length.PET	0.466376315	0.237581060	
## Elongation.PET	0.761675098	0.620511416	
## Flatness.PET	0.700893165	0.532641668	
## Max_cooc.L.PET	0.353434072	0.500420225	
## Average_cooc.L.PET	0.809060473	0.505446773	
## Variance_cooc.L.PET	0.636653333	0.450060970	
## Entropy_cooc.L.PET	0.892580515	0.612903096	
## DAVE_cooc.L.PET	0.812243957	0.435589254	
## DVAR_cooc.L.PET	0.744030850	0.349349149	
## DENT_cooc.L.PET	0.908766270	0.617703173	
## SAVE_cooc.L.PET	0.808986280	0.505107967	
## SVAR_cooc.L.PET	0.563104062	0.527033102	
## SENT_cooc.L.PET	0.857999294	0.681798799	
## ASM_cooc.L.PET	0.341701882	0.459476725	
## Contrast_cooc.L.PET	0.667714293	0.267134046	
## Dissimilarity_cooc.L.PET	0.812243957	0.435589254	
## Inv_diff_cooc.L.PET	0.642651486	0.655185508	
## Inv_diff_norm_cooc.L.PET	0.851727988	0.684365297	
## IDM_cooc.L.PET	0.544254062	0.620863372	

## IDM_norm_cooc.L.PET	0.864460402	0.681965036
## Inv_var_cooc.L.PET	0.547479933	0.622700809
## Correlation_cooc.L.PET	0.321876144	0.651178807
## Autocorrelation_cooc.L.PET	0.617751284	0.410467696
## Tendency_cooc.L.PET	0.563104062	0.527033102
## Shade_cooc.L.PET	0.113198657	0.370966863
## Prominence_cooc.L.PET	0.334553131	0.461493523
## IC1_.L.PET	-0.256315079	-0.394178659
## IC2_.L.PET	0.747345967	0.715193646
## Coarseness_vdif_.L.PET	0.373927339	0.547092617
## Contrast_vdif_.L.PET	0.309428674	0.153911963
## Busyness_vdif_.L.PET	0.255457278	0.082857894
## Complexity_vdif_.L.PET	0.781693449	0.398957805
## Strength_vdif_.L.PET	0.190920712	0.415869459
## SRE_align.L.PET	0.884380536	0.674187317
## LRE_align.L.PET	0.853913974	0.675003234
## GLNU_align.L.PET	0.179058008	0.065019003
## RLNU_align.L.PET	0.186796473	0.004358502
## RP_align.L.PET	0.885650175	0.673840143
## LGRE_align.L.PET	0.441903526	0.561650274
## HGRE_align.L.PET	0.665728411	0.402983156
## LGSRE_align.L.PET	0.449801820	0.562874739
## HGSRE_align.L.PET	0.665804525	0.402025936
## LGHRE_align.L.PET	0.408119456	0.554012804
## HGLRE_align.L.PET	0.663525380	0.405245860
## GLNU_norm_align.L.PET	0.520371986	0.625855222
## RLNU_norm_align.L.PET	0.889712196	0.671647050
## GLVAR_align.L.PET	0.674695550	0.450337369
## RLVAR_align.L.PET	0.454945769	0.561722998
## Entropy_align.L.PET	0.889016582	0.628019199
## SZSE.L.PET	0.873209451	0.655796148
## LZSE.L.PET	0.560885629	0.480120915
## LGLZE.L.PET	0.457999659	0.566921532
## HGLZE.L.PET	0.676449605	0.405636348
## SZLGE.L.PET	0.478530773	0.568440521
## SZHGE.L.PET	0.676607079	0.399334895
## LZLGE.L.PET	0.299474615	0.489392904
## LZHGE.L.PET	0.531174817	0.337565072
## GLNU_area.L.PET	0.184922608	0.060242450
## ZSNU.L.PET	0.196884950	-0.002980073
## ZSP.L.PET	0.883472383	0.660920337
## GLNU_norm.L.PET	0.521591757	0.625077837
## ZSNU_norm.L.PET	0.893040133	0.659432280
## GLVAR_area.L.PET	0.687389273	0.454238630
## ZSVAR.L.PET	0.294216234	0.339561148
## Entropy_area.L.PET	0.882748673	0.628096700
## Max_cooc.H.PET	-0.051380017	0.857906427
## Average_cooc.H.PET	0.790917648	0.794567149
## Variance_cooc.H.PET	0.929942513	0.273308753
## Entropy_cooc.H.PET	0.840340894	0.324084342
## DAVE_cooc.H.PET	1.000000000	0.299605411
## DVAR_cooc.H.PET	0.969970484	0.355806944
## DENT_cooc.H.PET	0.760582813	0.325928741
## SAVE_cooc.H.PET	0.827267632	0.723924384

## SVAR_cooc.H.PET	0.803759188	0.398564236
## SENT_cooc.H.PET	0.726371477	0.233863940
## ASM_cooc.H.PET	-0.038183207	0.823702722
## Contrast_cooc.H.PET	0.978806586	0.190578670
## Dissimilarity_cooc.H.PET	1.000000000	0.299605411
## Inv_diff_cooc.H.PET	0.299605411	1.000000000
## Inv_diff_norm_cooc.H.PET	0.834621617	0.730914581
## IDM_cooc.H.PET	0.183181626	0.990489271
## IDM_norm_cooc.H.PET	0.856104610	0.701801348
## Inv_var_cooc_.H.PET	0.515651229	0.366486077
## Correlation_cooc.H.PET	0.361052534	0.587513049
## Autocorrelation_cooc.H.PET	0.670614309	0.878701101
## Tendency_cooc.H.PET	0.820400718	0.293507965
## Shade_cooc.H.PET	-0.524644630	-0.021189996
## Prominence_cooc.H.PET	0.679401549	0.030749201
## IC1_d.H.PET	0.196655812	-0.353796585
## IC2_d.H.PET	0.521249576	0.597122639
## Coarseness_vdif.H.PET	0.340422572	0.453931514
## Contrast_vdif.H.PET	0.155914084	0.609220740
## Busyness_vdif.H.PET	0.129097413	-0.015232335
## Complexity_vdif.H.PET	0.720555146	0.372928057
## Strength_vdif.H.PET	-0.111986043	0.275705958
## SRE_align.H.PET	0.945032450	0.497752613
## LRE_align.H.PET	0.289940179	0.928148825
## RLNU_align.H.PET	0.217917505	-0.051765927
## RP_align.H.PET	0.953536954	0.459650198
## LGRE_align.H.PET	0.378619521	0.425626326
## HGRE_align.H.PET	0.689284566	0.874168759
## LGSRE_align.H.PET	0.376842582	0.424114774
## HGSRE_align.H.PET	0.829627511	0.717851366
## LGHRE_align.H.PET	0.383829388	0.441282673
## HGLRE_align.H.PET	0.073194824	0.893152983
## GLNU_norm_align.H.PET	0.175486344	0.936604045
## RLNU_norm_align.H.PET	0.964038823	0.329073339
## GLVAR_align.H.PET	0.903740519	0.232916781
## RLVAR_align.H.PET	-0.090006733	0.808224872
## Entropy_align.H.PET	0.874520476	0.379917789
## SZSE.H.PET	0.913699278	0.269238598
## LZSE.H.PET	-0.231865929	0.271395090
## LGLZE.H.PET	0.380554895	0.423069248
## HGLZE.H.PET	0.640691194	0.772306977
## SZLGE.H.PET	0.374243143	0.421729904
## SZHGE.H.PET	0.799194922	0.430283446
## LZLGE.H.PET	-0.203776411	0.379247065
## LZHGE.H.PET	-0.254720406	0.353544775
## GLNU_area.H.PET	0.230770981	0.030771984
## ZSNU.H.PET	0.224884517	-0.118521205
## ZSP.H.PET	0.854792163	-0.031134516
## GLNU_norm.H.PET	0.207412439	0.923343827
## ZSNU_norm.H.PET	0.861192183	0.061541270
## GLVAR_area.H.PET	0.891167404	0.209238859
## ZSVAR_H.PET	-0.244418021	0.314723798
## Entropy_area.H.PET	0.860734944	0.526805506
## Max_cooc.W.PET	0.044653097	0.791667269

## Average_cooc.W.PET	0.673408962	-0.126141028
## Variance_cooc.W.PET	0.387452849	-0.267612925
## Entropy_cooc.W.PET	0.910415422	0.237586442
## DAVE_cooc.W.PET	0.756145541	-0.150500145
## DVAR_cooc.W.PET	0.487804598	-0.293116787
## DENT_cooc.W.PET	0.925138476	0.200750406
## SAVE_cooc.W.PET	0.672874524	-0.127082265
## SVAR_cooc.W.PET	0.321870370	-0.242737724
## SENT_cooc.W.PET	0.895585881	0.347547620
## ASM_cooc.W.PET	0.127926039	0.733100274
## Contrast_cooc.W.PET	0.524147273	-0.309404911
## Dissimilarity_cooc.W.PET	0.756145541	-0.150500145
## Inv_diff_cooc.W.PET	0.423186212	0.982369823
## Inv_diff_norm_cooc.W.PET	0.849570306	0.690790066
## IDM_cooc.W.PET	0.257115494	0.988651336
## IDM_norm_cooc.W.PET	0.864583314	0.683017631
## Inv_var_cooc.W.PET	0.354192865	0.971506477
## Correlation_cooc.W.PET	0.327366971	0.636468866
## Autocorrelation_cooc.W.PET	0.396921194	-0.274962685
## Tendency_cooc.W.PET	0.321870370	-0.242737724
## Shade_cooc.W.PET	0.023038090	-0.127826898
## Prominence_cooc.W.PET	0.005430633	-0.152455484
## IC1_d.W.PET	0.119573830	-0.259383409
## IC2_d.W.PET	0.638685310	0.593800350
## Coarseness_vdif.W.PET	0.353015117	0.542478177
## Contrast_vdif.W.PET	0.720064859	-0.125183445
## Busyness_vdif.W.PET	-0.060030054	0.601453015
## Complexity_vdif.W.PET	0.238586036	-0.216223992
## Strength_vdif.W.PET	0.276940456	-0.035633374
## SRE_align.W.PET	0.917361030	0.592496733
## LRE_align.W.PET	0.581142664	0.921082599
## GLNU_align.W.PET	0.125183974	0.212288109
## RLNU_align.W.PET	0.201978951	-0.024714151
## RP_align.W.PET	0.926728383	0.566800924
## LGRE_align.W.PET	0.162323836	0.874580683
## HGRE_align.W.PET	0.408018628	-0.279560888
## LGSRE_align.W.PET	0.215739290	0.864667259
## HGSRE_align.W.PET	0.406142750	-0.284497778
## LGHRE_align.W.PET	-0.040845929	0.849151144
## HGLRE_align.W.PET	0.413241851	-0.256384479
## GLNU_norm_align.W.PET	0.187082701	0.920851851
## RLNU_norm_align.W.PET	0.947353668	0.485600509
## GLVAR_align.W.PET	0.388600868	-0.270829979
## RLVAR_align.W.PET	-0.020453495	0.870288994
## Entropy_align.W.PET	0.894756600	0.360317197
## SZSE.W.PET	0.927621031	0.458789743
## LZSE.W.PET	-0.175700586	0.643091720
## LGLZE.W.PET	0.192243166	0.892788166
## HGLZE.W.PET	0.409108708	-0.278145628
## SZLGE.W.PET	0.313589539	0.853153545
## SZHGE.W.PET	0.400730212	-0.288103548
## LZLGE.W.PET	-0.266754831	0.471513340
## LZHGE.W.PET	0.328507661	-0.036383207
## GLNU_area.W.PET	0.179710599	0.133786887

## ZSNU.W.PET	0.216821857	-0.071675415
## ZSP.W.PET	0.941073727	0.269283778
## GLNU_norm.W.PET	0.214338608	0.931694811
## ZSNU_norm.W.PET	0.935458065	0.270492761
## GLVAR_area.W.PET	0.390173197	-0.265864883
## ZSVAR.W.PET	-0.235624298	0.554461200
## Entropy_area.W.PET	0.877687581	0.476084334
## Min_hist.ADC	0.274426047	0.328311055
## Max_hist.ADC	0.758630188	0.599264774
## Mean_hist.ADC	0.755786661	0.618703854
## Variance_hist.ADC	0.336113114	0.383367756
## Standard_Deviation_hist.ADC	0.601319189	0.536944739
## Skewness_hist.ADC	0.181897209	0.157778925
## Kurtosis_hist.ADC	0.207820623	0.143862605
## Energy_hist.ADC	0.356533084	0.473795608
## Entropy_hist.ADC	0.836823014	0.601843657
## AUC_hist.ADC	0.872072889	0.639070851
## Volume.ADC	0.294118449	0.076465182
## X3D_surface.ADC	0.374820409	0.197910591
## ratio_3ds_vol.ADC	0.576338979	0.553109032
## ratio_3ds_vol_norm.ADC	0.835140640	0.602470574
## irregularity.ADC	0.864831671	0.657311904
## Compactness_v1.ADC	0.572445503	0.601624457
##	Inv_diff_norm_cooc.H.PET	IDM_cooc.H.PET
## Failure	0.0008355659	0.069747276
## Entropy_cooc.W.ADC	0.0356553883	0.039061031
## GLNU_align.H.PET	-0.0289187139	0.030450149
## Min_hist.PET	0.4856593374	-0.233503207
## Max_hist.PET	0.5111573478	-0.205639433
## Mean_hist.PET	0.4856301254	-0.256516056
## Variance_hist.PET	0.2315479731	-0.368779856
## Standard_Deviation_hist.PET	0.4992706588	-0.245904269
## Skewness_hist.PET	0.5607395528	0.473562785
## Kurtosis_hist.PET	0.1716302862	0.231063839
## Energy_hist.PET	0.4591597106	0.451618757
## Entropy_hist.PET	0.8672015361	0.419047251
## AUC_hist.PET	0.9941237897	0.589951780
## H_suv.PET	0.5118379280	-0.233037047
## Volume.PET	0.3202285084	0.021227086
## X3D_surface.PET	0.2316702302	0.047223590
## ratio_3ds_vol.PET	0.5865997729	0.543587886
## ratio_3ds_vol_norm.PET	0.6064040115	0.473489727
## irregularity.PET	0.9691698918	0.621432526
## tumor_length.PET	0.6133291718	0.288519023
## Compactness_v1.PET	0.5610333266	0.416524393
## Compactness_v2.PET	0.2168544227	-0.058872815
## Spherical_disproportion.PET	0.6064040115	0.473489727
## Sphericity.PET	0.2122203846	-0.078087090
## Asphericity.PET	0.5850424630	0.463808571
## Center_of_mass.PET	0.3916486622	0.168677723
## Max_3D_diam.PET	0.4571294853	0.062316163
## Major_axis_length.PET	0.5021693152	0.092074476
## Minor_axis_length.PET	0.6606447563	0.252130032
## Least_axis_length.PET	0.5575953568	0.149593985

## Elongation.PET	0.8549297184	0.541971094
## Flatness.PET	0.7914431345	0.451290292
## Max_cooc.L.PET	0.4885049238	0.473803887
## Average_cooc.L.PET	0.7935033435	0.423421230
## Variance_cooc.L.PET	0.6339841073	0.394208286
## Entropy_cooc.L.PET	0.9705629491	0.505381095
## DAVE_cooc.L.PET	0.7300080674	0.361787293
## DVAR_cooc.L.PET	0.6414646423	0.281081220
## DENT_cooc.L.PET	0.9569513647	0.516697140
## SAVE_cooc.L.PET	0.7932883171	0.423078383
## SVAR_cooc.L.PET	0.6570578832	0.472615993
## SENT_cooc.L.PET	0.9729099971	0.584098547
## ASM_cooc.L.PET	0.4569555750	0.434010206
## Contrast_cooc.L.PET	0.5119162667	0.216522445
## Dissimilarity_cooc.L.PET	0.7300080674	0.361787293
## Inv_diff_cooc.L.PET	0.8705741693	0.566141834
## Inv_diff_norm_cooc.L.PET	0.9945340735	0.579962184
## IDM_cooc.L.PET	0.7861547532	0.543117396
## IDM_norm_cooc.L.PET	0.9965543233	0.577516616
## Inv_var_cooc.L.PET	0.7907687885	0.544077938
## Correlation_cooc.L.PET	0.7016912860	0.586680224
## Autocorrelation_cooc.L.PET	0.5906609420	0.356469158
## Tendency_cooc.L.PET	0.6570578832	0.472615993
## Shade_cooc.L.PET	0.3532533258	0.343657169
## Prominence_cooc.L.PET	0.4752479919	0.432360945
## IC1_.L.PET	-0.3671624378	-0.377539605
## IC2_.L.PET	0.9068167094	0.634681607
## Coarseness_vdif_.L.PET	0.4962974787	0.528289627
## Contrast_vdif_.L.PET	0.2147838594	0.144403591
## Busyness_vdif_.L.PET	0.3145452007	0.022611885
## Complexity_vdif_.L.PET	0.6882856523	0.329481686
## Strength_vdif_.L.PET	0.3125684010	0.415152199
## SRE_align.L.PET	0.9947921183	0.570427065
## LRE_align.L.PET	0.9910048167	0.570248241
## GLNU_align.L.PET	0.2647320760	0.010466756
## RLNU_align.L.PET	0.2332480871	-0.052273360
## RP_align.L.PET	0.9943414629	0.570259754
## LGRE_align.L.PET	0.6510720719	0.507482465
## HGRE_align.L.PET	0.6069361764	0.346112153
## LGSRE_align.L.PET	0.6553309537	0.508273136
## HGSRE_align.L.PET	0.6051846137	0.345530656
## LGHRE_align.L.PET	0.6306618933	0.501913241
## HGLRE_align.L.PET	0.6122035427	0.346959240
## GLNU_norm_align.L.PET	0.6972750202	0.574270057
## RLNU_norm_align.L.PET	0.9919779378	0.568702607
## GLVAR_align.L.PET	0.6585161255	0.389838522
## RLVAR_align.L.PET	0.6656005070	0.501702696
## Entropy_align.L.PET	0.9767059922	0.520994650
## SZSE.L.PET	0.9717596847	0.554333492
## LZSE.L.PET	0.6967011691	0.405442255
## LGLZE.L.PET	0.6617555384	0.512037260
## HGLZE.L.PET	0.6160707512	0.347374197
## SZLGE.L.PET	0.6692020673	0.513174809
## SZHGE.L.PET	0.6105966092	0.341458222

## LZLGE.L.PET	0.5352581202	0.445227151
## LZHGE.L.PET	0.5070040445	0.288843527
## GLNU_area.L.PET	0.2653826305	0.004926502
## ZSNU.L.PET	0.2326915138	-0.060127343
## ZSP.L.PET	0.9772654066	0.559631292
## GLNU_norm.L.PET	0.6974057816	0.573433815
## ZSNU_norm.L.PET	0.9775651386	0.558639794
## GLVAR_area.L.PET	0.6689362967	0.392230343
## ZSVAR.L.PET	0.4658487006	0.286800244
## Entropy_area.L.PET	0.9784060923	0.520121510
## Max_cooc.H.PET	0.3760448280	0.899035677
## Average_cooc.H.PET	0.9833178666	0.709953634
## Variance_cooc.H.PET	0.8209262931	0.149001462
## Entropy_cooc.H.PET	0.8121464146	0.206239688
## DAVE_cooc.H.PET	0.8346216173	0.183181626
## DVAR_cooc.H.PET	0.8140178149	0.251806056
## DENT_cooc.H.PET	0.7537792231	0.221219439
## SAVE_cooc.H.PET	0.9832076658	0.629126716
## SVAR_cooc.H.PET	0.8290017241	0.285856842
## SENT_cooc.H.PET	0.6708891680	0.132256876
## ASM_cooc.H.PET	0.3577300071	0.863461488
## Contrast_cooc.H.PET	0.7298653904	0.082397272
## Dissimilarity_cooc.H.PET	0.8346216173	0.183181626
## Inv_diff_cooc.H.PET	0.7309145812	0.990489271
## Inv_diff_norm_cooc.H.PET	1.0000000000	0.632221607
## IDM_cooc.H.PET	0.6322216074	1.000000000
## IDM_norm_cooc.H.PET	0.9990351726	0.599781749
## Inv_var_cooc_.H.PET	0.5982289491	0.293527367
## Correlation_cooc.H.PET	0.7025892897	0.513881315
## Autocorrelation_cooc.H.PET	0.9397944633	0.813497757
## Tendency_cooc.H.PET	0.7966935442	0.171601069
## Shade_cooc.H.PET	-0.3845269385	0.049375892
## Prominence_cooc.H.PET	0.5724069747	-0.085081291
## IC1_d.H.PET	-0.1601620447	-0.356600135
## IC2_d.H.PET	0.8073305817	0.506134262
## Coarseness_vdif.H.PET	0.4496806811	0.429029415
## Contrast_vdif.H.PET	0.3153967279	0.639026390
## Busyness_vdif.H.PET	0.1133624490	-0.042006698
## Complexity_vdif.H.PET	0.6388644274	0.308050423
## Strength_vdif.H.PET	0.0523729065	0.297384641
## SRE_align.H.PET	0.9528233026	0.378276441
## LRE_align.H.PET	0.6899775121	0.916575189
## RLNU_align.H.PET	0.2267401319	-0.115449164
## RP_align.H.PET	0.9375151344	0.338098036
## LGRE_align.H.PET	0.4699834943	0.392160944
## HGRE_align.H.PET	0.9425975347	0.807899169
## LGSRE_align.H.PET	0.4675183924	0.390972234
## HGSRE_align.H.PET	0.9675180278	0.626240562
## LGHRE_align.H.PET	0.4840084633	0.406950240
## HGLRE_align.H.PET	0.4995231684	0.913873859
## GLNU_norm_align.H.PET	0.5685725969	0.955354052
## RLNU_norm_align.H.PET	0.8770481924	0.201738332
## GLVAR_align.H.PET	0.7871177622	0.108845782
## RLVAR_align.H.PET	0.3502188806	0.846952753

## Entropy_align.H.PET	0.8818162787	0.252091932
## SZSE.H.PET	0.8238747227	0.141999429
## LZSE.H.PET	-0.0236532616	0.309292616
## LGLZE.H.PET	0.4704086975	0.389100912
## HGLZE.H.PET	0.8895808445	0.699940894
## SZLGE.H.PET	0.4642418183	0.388883561
## SZHGE.H.PET	0.8172277869	0.327230551
## LZLGE.H.PET	0.0463461889	0.418408071
## LZHGE.H.PET	-0.0076745421	0.398573569
## GLNU_area.H.PET	0.2673272181	-0.026268730
## ZSNU.H.PET	0.1909889273	-0.184844670
## ZSP.H.PET	0.6214359224	-0.159527577
## GLNU_norm.H.PET	0.5772962214	0.940373717
## ZSNU_norm.H.PET	0.6814665572	-0.066960935
## GLVAR_area.H.PET	0.7649704477	0.086337119
## ZSVAR_H.PET	-0.0171019706	0.357112107
## Entropy_area.H.PET	0.9388578254	0.409602515
## Max_cooc.W.PET	0.4043265271	0.818194794
## Average_cooc.W.PET	0.4856504265	-0.249089128
## Variance_cooc.W.PET	0.2315558586	-0.364307796
## Entropy_cooc.W.PET	0.8251917933	0.103325400
## DAVE_cooc.W.PET	0.5001535641	-0.274839441
## DVAR_cooc.W.PET	0.2522604849	-0.392935941
## DENT_cooc.W.PET	0.8047967109	0.066862493
## SAVE_cooc.W.PET	0.4848507876	-0.250007431
## SVAR_cooc.W.PET	0.2140430547	-0.334450266
## SENT_cooc.W.PET	0.8734756703	0.218764013
## ASM_cooc.W.PET	0.4312706092	0.747000669
## Contrast_cooc.W.PET	0.2561733388	-0.410478653
## Dissimilarity_cooc.W.PET	0.5001535641	-0.274839441
## Inv_diff_cooc.W.PET	0.7994115765	0.960173569
## Inv_diff_norm_cooc.W.PET	0.9953657307	0.587166341
## IDM_cooc.W.PET	0.6761926304	0.991360604
## IDM_norm_cooc.W.PET	0.9967126131	0.578747381
## Inv_var_cooc.W.PET	0.7388563973	0.960953085
## Correlation_cooc.W.PET	0.6998888908	0.570211823
## Autocorrelation_cooc.W.PET	0.2271616923	-0.371640442
## Tendency_cooc.W.PET	0.2140430547	-0.334450266
## Shade_cooc.W.PET	0.0475290577	-0.168727162
## Prominence_cooc.W.PET	0.0138713479	-0.189988062
## IC1_d.W.PET	-0.1660371797	-0.247566457
## IC2_d.W.PET	0.8635952898	0.493500066
## Coarseness_vdif.W.PET	0.4644864898	0.530744411
## Contrast_vdif.W.PET	0.4303356131	-0.225588875
## Busyness_vdif.W.PET	0.2802150715	0.627819378
## Complexity_vdif.W.PET	0.1536739429	-0.291509422
## Strength_vdif.W.PET	0.2407653901	-0.094986974
## SRE_align.W.PET	0.9813683012	0.480088852
## LRE_align.W.PET	0.9000522005	0.867937423
## GLNU_align.W.PET	0.2815594298	0.178121667
## RLNU_align.W.PET	0.2306221194	-0.085276206
## RP_align.W.PET	0.9746244162	0.452297998
## LGRE_align.W.PET	0.5501958695	0.887779802
## HGRE_align.W.PET	0.2282534977	-0.376571778

## LGSRE_align.W.PET	0.5820746669	0.871218675
## HGSRE_align.W.PET	0.2236487029	-0.381224659
## LGHRE_align.W.PET	0.3985647087	0.884856458
## HGLRE_align.W.PET	0.2468691739	-0.354095734
## GLNU_norm_align.W.PET	0.5687136751	0.936676848
## RLNU_norm_align.W.PET	0.9485917173	0.365248798
## GLVAR_align.W.PET	0.2314910526	-0.368279426
## RLVAR_align.W.PET	0.4257230520	0.902782154
## Entropy_align.W.PET	0.8807217758	0.230985100
## SZSE.W.PET	0.9215757621	0.339288509
## LZSE.W.PET	0.1859193004	0.690416004
## LGLZE.W.PET	0.5735864547	0.904957135
## HGLZE.W.PET	0.2320446338	-0.375921351
## SZLGE.W.PET	0.6377962856	0.848583061
## SZHGE.W.PET	0.2195983763	-0.384754146
## LZLGE.W.PET	0.0515627063	0.519269381
## LZHGE.W.PET	0.2890454795	-0.110294984
## GLNU_area.W.PET	0.2823891334	0.088415909
## ZSNU.W.PET	0.2140165947	-0.135786769
## ZSP.W.PET	0.8368886732	0.140719431
## GLNU_norm.W.PET	0.5868951355	0.946587204
## ZSNU_norm.W.PET	0.8332964111	0.142290541
## GLVAR_area.W.PET	0.2356967714	-0.363478508
## ZSVAR.W.PET	0.0948037522	0.607482246
## Entropy_area.W.PET	0.9272150292	0.353806844
## Min_hist.ADC	0.3420300899	0.306954188
## Max_hist.ADC	0.8789021012	0.506431639
## Mean_hist.ADC	0.8660377283	0.534235508
## Variance_hist.ADC	0.4582295957	0.343179611
## Standard_Deviation_hist.ADC	0.7289502058	0.465142781
## Skewness_hist.ADC	0.2329170849	0.128317121
## Kurtosis_hist.ADC	0.2755735576	0.103336384
## Energy_hist.ADC	0.4698098405	0.448238847
## Entropy_hist.ADC	0.9455593419	0.495667191
## AUC_hist.ADC	0.9702867022	0.534626255
## Volume.ADC	0.3077406442	0.019654703
## X3D_surface.ADC	0.4205942108	0.137405179
## ratio_3ds_vol.ADC	0.6571583699	0.504133477
## ratio_3ds_vol_norm.ADC	0.9328632852	0.500405634
## irregularity.ADC	0.9549407342	0.560668781
## Compactness_v1.ADC	0.7029975849	0.546864814
##	IDM_norm_cooc.H.PET	Inv_var_cooc_.H.PET
## Failure	-0.0008570553	-0.012490714
## Entropy_cooc.W.ADC	0.0327944781	0.029662048
## GLNU_align.H.PET	-0.0341955035	0.059005707
## Min_hist.PET	0.5105377216	0.427899520
## Max_hist.PET	0.5326728685	0.500039989
## Mean_hist.PET	0.5107280208	0.441325213
## Variance_hist.PET	0.2505736356	0.396730680
## Standard_Deviation_hist.PET	0.5225744954	0.518313647
## Skewness_hist.PET	0.5526041040	0.448271503
## Kurtosis_hist.PET	0.1642446662	0.217407407
## Energy_hist.PET	0.4516914463	0.849168070
## Entropy_hist.PET	0.8717015438	0.496622842

## AUC_hist.PET	0.9956567670	0.629842588
## H_suv.PET	0.5385482966	0.538203129
## Volume.PET	0.3261527663	0.020010829
## X3D_surface.PET	0.2312504870	0.265124018
## ratio_3ds_vol.PET	0.5795077799	0.614062331
## ratio_3ds_vol_norm.PET	0.5984927635	0.735174820
## irregularity.PET	0.9691608165	0.570330791
## tumor_length.PET	0.6124408234	0.537368698
## Compactness_v1.PET	0.5570168297	0.855296774
## Compactness_v2.PET	0.2252586122	-0.130533516
## Spherical_disproportion.PET	0.5984927635	0.735174820
## Sphericity.PET	0.2223072186	-0.260625686
## Asphericity.PET	0.5768834204	0.730213381
## Center_of_mass.PET	0.3875149467	0.412824380
## Max_3D_diam.PET	0.4631513006	0.113617077
## Major_axis_length.PET	0.5078196316	0.253635181
## Minor_axis_length.PET	0.6645148333	0.384608189
## Least_axis_length.PET	0.5624611616	0.267977710
## Elongation.PET	0.8572788428	0.535475068
## Flatness.PET	0.7948095431	0.447665793
## Max_cooc.L.PET	0.4794413068	0.889470745
## Average_cooc.L.PET	0.8003967149	0.379439704
## Variance_cooc.L.PET	0.6389487281	0.291338234
## Entropy_cooc.L.PET	0.9760355533	0.529081158
## DAVE_cooc.L.PET	0.7410755325	0.362440381
## DVAR_cooc.L.PET	0.6534884120	0.420708866
## DENT_cooc.L.PET	0.9632220844	0.526015604
## SAVE_cooc.L.PET	0.8001938517	0.378508003
## SVAR_cooc.L.PET	0.6563564124	0.295408401
## SENT_cooc.L.PET	0.9747818382	0.607972703
## ASM_cooc.L.PET	0.4491969747	0.888337367
## Contrast_cooc.L.PET	0.5252141075	0.245407138
## Dissimilarity_cooc.L.PET	0.7410755325	0.362440381
## Inv_diff_cooc.L.PET	0.8654234809	0.705047412
## Inv_diff_norm_cooc.L.PET	0.9958187032	0.611980554
## IDM_cooc.L.PET	0.7789361074	0.737997087
## IDM_norm_cooc.L.PET	0.9984236952	0.603817344
## Inv_var_cooc.L.PET	0.7835403655	0.739986812
## Correlation_cooc.L.PET	0.6861672349	0.474403335
## Autocorrelation_cooc.L.PET	0.5950206778	0.241078678
## Tendency_cooc.L.PET	0.6563564124	0.295408401
## Shade_cooc.L.PET	0.3430791268	0.250901993
## Prominence_cooc.L.PET	0.4699542098	0.213510669
## IC1_.L.PET	-0.3617611738	0.074802356
## IC2_.L.PET	0.9039345117	0.582070285
## Coarseness_vdif_.L.PET	0.4866698638	0.768396038
## Contrast_vdif_.L.PET	0.2212795033	0.106568989
## Busyness_vdif_.L.PET	0.3187358563	0.168468018
## Complexity_vdif_.L.PET	0.7001311585	0.430116954
## Strength_vdif_.L.PET	0.3040526674	0.206505638
## SRE_align.L.PET	0.9977673295	0.596458639
## LRE_align.L.PET	0.9928154718	0.599579798
## GLNU_align.L.PET	0.2668721040	0.177405857
## RLNU_align.L.PET	0.2376114478	0.122765880

## RP_align.L.PET	0.9973861029	0.595070742
## LGRE_align.L.PET	0.6445775095	0.719764166
## HGRE_align.L.PET	0.6129825181	0.254807083
## LGSRE_align.L.PET	0.6490607409	0.727080719
## HGSRE_align.L.PET	0.6112996897	0.254733344
## LGHRE_align.L.PET	0.6232948174	0.688719892
## HGLRE_align.L.PET	0.6179702806	0.254383380
## GLNU_norm_align.L.PET	0.6896662126	0.884824008
## RLNU_norm_align.L.PET	0.9952807364	0.591090049
## GLVAR_align.L.PET	0.6644793282	0.295446132
## RLVAR_align.L.PET	0.6573404680	0.872865004
## Entropy_align.L.PET	0.9813767638	0.538762424
## SZSE.L.PET	0.9750202975	0.592497884
## LZSE.L.PET	0.6965428940	0.415906518
## LGLZE.L.PET	0.6557424990	0.727513194
## HGLZE.L.PET	0.6223763314	0.262483578
## SZLGE.L.PET	0.6638526727	0.746361229
## SZHGE.L.PET	0.6171702943	0.270513657
## LZLGE.L.PET	0.5265190301	0.573858584
## LZHGE.L.PET	0.5111594275	0.185390675
## GLNU_area.L.PET	0.2678632229	0.171104373
## ZSNU.L.PET	0.2376605268	0.111182192
## ZSP.L.PET	0.9807244083	0.585847842
## GLNU_norm.L.PET	0.6898775717	0.887203445
## ZSNU_norm.L.PET	0.9814548791	0.580294587
## GLVAR_area.L.PET	0.6750862585	0.308833759
## ZSVAR.L.PET	0.4617023587	0.465826240
## Entropy_area.L.PET	0.9828306227	0.545146899
## Max_cooc.H.PET	0.3399422003	0.202842840
## Average_cooc.H.PET	0.9789794191	0.513105338
## Variance_cooc.H.PET	0.8398929645	0.544776175
## Entropy_cooc.H.PET	0.8269573425	0.517161051
## DAVE_cooc.H.PET	0.8561046097	0.515651229
## DVAR_cooc.H.PET	0.8312497899	0.484173282
## DENT_cooc.H.PET	0.7668387469	0.423886072
## SAVE_cooc.H.PET	0.9827855949	0.530959362
## SVAR_cooc.H.PET	0.8389985255	0.550001362
## SENT_cooc.H.PET	0.6846762064	0.778426867
## ASM_cooc.H.PET	0.3222893054	0.285365827
## Contrast_cooc.H.PET	0.7541742228	0.458589056
## Dissimilarity_cooc.H.PET	0.8561046097	0.515651229
## Inv_diff_cooc.H.PET	0.7018013481	0.366486077
## Inv_diff_norm_cooc.H.PET	0.9990351726	0.598228949
## IDM_cooc.H.PET	0.5997817491	0.293527367
## IDM_norm_cooc.H.PET	1.0000000000	0.598812418
## Inv_var_cooc_.H.PET	0.5988124175	1.000000000
## Correlation_cooc.H.PET	0.6907984451	0.494228971
## Autocorrelation_cooc.H.PET	0.9282999205	0.460285088
## Tendency_cooc.H.PET	0.8110808726	0.542518367
## Shade_cooc.H.PET	-0.4003717466	-0.256756410
## Prominence_cooc.H.PET	0.5914579751	0.452979509
## IC1_d.H.PET	-0.1399528006	0.276118050
## IC2_d.H.PET	0.8004024213	0.576634039
## Coarseness_vdif.H.PET	0.4418848516	0.880715718

## Contrast_vdif.H.PET	0.2970670146	0.027398097
## Busyness_vdif.H.PET	0.1186769573	-0.298578994
## Complexity_vdif.H.PET	0.6483049911	0.669139302
## Strength_vdif.H.PET	0.0347519975	0.052037871
## SRE_align.H.PET	0.9645720766	0.628033652
## LRE_align.H.PET	0.6630405353	0.248170684
## RLNU_align.H.PET	0.2339069785	0.156786735
## RP_align.H.PET	0.9509259029	0.630221877
## LGRE_align.H.PET	0.4643513705	0.907477121
## HGRE_align.H.PET	0.9314027008	0.461994721
## LGSRE_align.H.PET	0.4618913660	0.906768295
## HGSRE_align.H.PET	0.9672936370	0.533688044
## LGHRE_align.H.PET	0.4779226637	0.908935924
## HGLRE_align.H.PET	0.4660230072	0.106557986
## GLNU_norm_align.H.PET	0.5387793751	0.258624636
## RLNU_norm_align.H.PET	0.8956456031	0.630292115
## GLVAR_align.H.PET	0.8065032918	0.530156914
## RLVAR_align.H.PET	0.3154117976	0.049677640
## Entropy_align.H.PET	0.8942830273	0.589270375
## SZSE.H.PET	0.8425337609	0.630480721
## LZSE.H.PET	-0.0434260554	-0.131987823
## LGLZE.H.PET	0.4649059188	0.907201450
## HGLZE.H.PET	0.8808524387	0.470457683
## SZLGE.H.PET	0.4585968800	0.905487545
## SZHGE.H.PET	0.8266498709	0.539414020
## LZLGE.H.PET	0.0232723115	-0.030689716
## LZHGE.H.PET	-0.0322952022	-0.122162022
## GLNU_area.H.PET	0.2729157061	0.105094961
## ZSNU.H.PET	0.2003692262	0.163398523
## ZSP.H.PET	0.6492560609	0.556488649
## GLNU_norm.H.PET	0.5496372444	0.247259271
## ZSNU_norm.H.PET	0.7057338038	0.599723312
## GLVAR_area.H.PET	0.7847922761	0.521728757
## ZSVAR_H.PET	-0.0392806816	-0.128720400
## Entropy_area.H.PET	0.9460090535	0.580163308
## Max_cooc.W.PET	0.3729337104	0.436028698
## Average_cooc.W.PET	0.5091756307	0.459683841
## Variance_cooc.W.PET	0.2505235228	0.407732005
## Entropy_cooc.W.PET	0.8446868009	0.580475053
## DAVE_cooc.W.PET	0.5280331651	0.480916231
## DVAR_cooc.W.PET	0.2755207982	0.384718908
## DENT_cooc.W.PET	0.8262856097	0.589681478
## SAVE_cooc.W.PET	0.5083966673	0.457969176
## SVAR_cooc.W.PET	0.2299787878	0.407769705
## SENT_cooc.W.PET	0.8884368773	0.676309446
## ASM_cooc.W.PET	0.4045647125	0.619162004
## Contrast_cooc.W.PET	0.2813951339	0.370103326
## Dissimilarity_cooc.W.PET	0.5280331651	0.480916231
## Inv_diff_cooc.W.PET	0.7759578807	0.389187461
## Inv_diff_norm_cooc.W.PET	0.9963339069	0.610784456
## IDM_cooc.W.PET	0.6468623669	0.302276279
## IDM_norm_cooc.W.PET	0.9985582783	0.603765308
## Inv_var_cooc.W.PET	0.7140551961	0.358184759
## Correlation_cooc.W.PET	0.6851151471	0.479138885

## Autocorrelation_cooc.W.PET	0.2464333216	0.343340191
## Tendency_cooc.W.PET	0.2299787878	0.407769705
## Shade_cooc.W.PET	0.0504945102	0.290340509
## Prominence_cooc.W.PET	0.0169085566	0.243436241
## IC1_d.W.PET	-0.1515557145	0.283432015
## IC2_d.W.PET	0.8602243962	0.636520657
## Coarseness_vdif.W.PET	0.4546036713	0.676225619
## Contrast_vdif.W.PET	0.4569743933	0.467595646
## Busyness_vdif.W.PET	0.2566440826	-0.200015833
## Complexity_vdif.W.PET	0.1656574277	0.352226590
## Strength_vdif.W.PET	0.2503613666	0.394267715
## SRE_align.W.PET	0.9885776474	0.616939660
## LRE_align.W.PET	0.8831292445	0.425898821
## GLNU_align.W.PET	0.2772778740	0.045688780
## RLNU_align.W.PET	0.2364127995	0.146181769
## RP_align.W.PET	0.9831222684	0.620519530
## LGRE_align.W.PET	0.5233186570	0.270768161
## HGRE_align.W.PET	0.2480390955	0.336212038
## LGSRE_align.W.PET	0.5577133637	0.308677226
## HGSRE_align.W.PET	0.2435578729	0.335291065
## LGHRE_align.W.PET	0.3643785089	0.121997179
## HGLRE_align.W.PET	0.2659570654	0.338461537
## GLNU_norm_align.W.PET	0.5393016772	0.359347332
## RLNU_norm_align.W.PET	0.9608455511	0.629339080
## GLVAR_align.W.PET	0.2504670836	0.395317793
## RLVAR_align.W.PET	0.3904346689	0.180899493
## Entropy_align.W.PET	0.8948084839	0.588658250
## SZSE.W.PET	0.9338685165	0.633040635
## LZSE.W.PET	0.1529769071	-0.058185150
## LGLZE.W.PET	0.5470861456	0.285279752
## HGLZE.W.PET	0.2518164343	0.343263206
## SZLGE.W.PET	0.6170564386	0.398162374
## SZHGE.W.PET	0.2394659977	0.340999935
## LZLGE.W.PET	0.0217843954	-0.095591474
## LZHGE.W.PET	0.2975451718	0.277536422
## GLNU_area.W.PET	0.2827318749	0.074911130
## ZSNU.W.PET	0.2217456054	0.157929190
## ZSP.W.PET	0.8568771455	0.620136262
## GLNU_norm.W.PET	0.5582284024	0.367047091
## ZSNU_norm.W.PET	0.8527161543	0.628990080
## GLVAR_area.W.PET	0.2545348774	0.401560345
## ZSVAR.W.PET	0.0630679531	-0.094093934
## Entropy_area.W.PET	0.9366304319	0.583799121
## Min_hist.ADC	0.3380145707	0.181073979
## Max_hist.ADC	0.8806863137	0.501987039
## Mean_hist.ADC	0.8676465654	0.474477958
## Variance_hist.ADC	0.4541681499	0.331467733
## Standard_Deviation_hist.ADC	0.7278353505	0.460432221
## Skewness_hist.ADC	0.2312649749	0.173450629
## Kurtosis_hist.ADC	0.2764224135	0.239300719
## Energy_hist.ADC	0.4619628717	0.878074698
## Entropy_hist.ADC	0.9497104545	0.551304584
## AUC_hist.ADC	0.9739101175	0.599964366
## Volume.ADC	0.3138315618	0.001836996

## X3D_surface.ADC	0.4249242547	0.217276756
## ratio_3ds_vol.ADC	0.6547375500	0.470863424
## ratio_3ds_vol_norm.ADC	0.9372245265	0.516566246
## irregularity.ADC	0.9578078991	0.573049948
## Compactness_v1.ADC	0.6974885165	0.892172370
##	Correlation_cooc.H.PET	Autocorrelation_cooc.H.PET
## Failure	-0.10225563	0.066428527
## Entropy_cooc.W.ADC	0.19420808	-0.005192626
## GLNU_align.H.PET	0.16551386	-0.071870627
## Min_hist.PET	0.30663031	0.248614247
## Max_hist.PET	0.45893102	0.243374492
## Mean_hist.PET	0.34955463	0.227507572
## Variance_hist.PET	0.28288867	-0.009910748
## Standard_Deviation_hist.PET	0.42443868	0.229076159
## Skewness_hist.PET	0.35347961	0.585327049
## Kurtosis_hist.PET	0.10289761	0.195947673
## Energy_hist.PET	0.23327803	0.445601732
## Entropy_hist.PET	0.70048041	0.738987152
## AUC_hist.PET	0.67269285	0.916270248
## H_suv.PET	0.25314553	0.258852527
## Volume.PET	0.37738901	0.188747521
## X3D_surface.PET	0.47094443	0.107123727
## ratio_3ds_vol.PET	0.24573118	0.640410850
## ratio_3ds_vol_norm.PET	0.59008213	0.553916951
## irregularity.PET	0.58215344	0.938544432
## tumor_length.PET	0.73044405	0.465194952
## Compactness_v1.PET	0.36625919	0.487509444
## Compactness_v2.PET	0.15345925	0.139869174
## Spherical_disproportion.PET	0.59008213	0.553916951
## Sphericity.PET	0.11779950	0.143389918
## Asphericity.PET	0.57909617	0.534169021
## Center_of_mass.PET	0.63935548	0.270699349
## Max_3D_diam.PET	0.56099304	0.296546973
## Major_axis_length.PET	0.59253460	0.332235184
## Minor_axis_length.PET	0.72955197	0.490183316
## Least_axis_length.PET	0.70250759	0.379153695
## Elongation.PET	0.54101334	0.805128377
## Flatness.PET	0.58933459	0.716510147
## Max_cooc.L.PET	0.31416745	0.463140545
## Average_cooc.L.PET	0.42089847	0.751085273
## Variance_cooc.L.PET	0.17466505	0.678795815
## Entropy_cooc.L.PET	0.65511589	0.876938421
## DAVE_cooc.L.PET	0.14345114	0.725990291
## DVAR_cooc.L.PET	0.05473017	0.626478977
## DENT_cooc.L.PET	0.52236896	0.897583393
## SAVE_cooc.L.PET	0.42071475	0.750900112
## SVAR_cooc.L.PET	0.34278331	0.711317603
## SENT_cooc.L.PET	0.64537820	0.909991202
## ASM_cooc.L.PET	0.29943270	0.419848738
## Contrast_cooc.L.PET	-0.11592237	0.535706713
## Dissimilarity_cooc.L.PET	0.14345114	0.725990291
## Inv_diff_cooc.L.PET	0.80452282	0.762249637
## Inv_diff_norm_cooc.L.PET	0.71972004	0.906552014
## IDM_cooc.L.PET	0.77372734	0.680148582

## IDM_norm_cooc.L.PET	0.69999550	0.912391902
## Inv_var_cooc.L.PET	0.77940655	0.683680844
## Correlation_cooc.L.PET	0.98683268	0.645823264
## Autocorrelation_cooc.L.PET	0.29442277	0.591473383
## Tendency_cooc.L.PET	0.34278331	0.711317603
## Shade_cooc.L.PET	0.26942422	0.419345043
## Prominence_cooc.L.PET	0.22643491	0.579966462
## IC1_.L.PET	-0.12338811	-0.485981822
## IC2_.L.PET	0.57437015	0.899959342
## Coarseness_vdif_.L.PET	0.23086243	0.521924804
## Contrast_vdif_.L.PET	-0.24758874	0.273003408
## Busyness_vdif_.L.PET	0.45492582	0.164855685
## Complexity_vdif_.L.PET	0.05941690	0.682291065
## Strength_vdif_.L.PET	-0.04187026	0.454424736
## SRE_align.L.PET	0.65200550	0.918337255
## LRE_align.L.PET	0.71581357	0.901330981
## GLNU_align.L.PET	0.50195027	0.112408885
## RLNU_align.L.PET	0.47779556	0.069333880
## RP_align.L.PET	0.64773882	0.918855442
## LGRE_align.L.PET	0.42297253	0.644022069
## HGRE_align.L.PET	0.25137355	0.592767999
## LGSRE_align.L.PET	0.42090071	0.647464073
## HGSRE_align.L.PET	0.24281615	0.592627688
## LGHRE_align.L.PET	0.43006903	0.626244296
## HGLRE_align.L.PET	0.28569551	0.591190615
## GLNU_norm_align.L.PET	0.45255077	0.664439605
## RLNU_norm_align.L.PET	0.63219198	0.919599529
## GLVAR_align.L.PET	0.22019579	0.682539011
## RLVAR_align.L.PET	0.66600439	0.561585400
## Entropy_align.L.PET	0.67439150	0.883061968
## SZSE.L.PET	0.60976103	0.901113452
## LZSE.L.PET	0.62108588	0.610688592
## LGLZE.L.PET	0.42710966	0.651331557
## HGLZE.L.PET	0.25027465	0.600102925
## SZLGE.L.PET	0.41292050	0.657620917
## SZHGE.L.PET	0.22057405	0.597704780
## LZLGE.L.PET	0.42998305	0.530195535
## LZHGE.L.PET	0.32140100	0.477378358
## GLNU_area.L.PET	0.49693208	0.112265827
## ZSNU.L.PET	0.46145733	0.069370081
## ZSP.L.PET	0.59967176	0.910214085
## GLNU_norm.L.PET	0.45429221	0.662954022
## ZSNU_norm.L.PET	0.58470136	0.913124558
## GLVAR_area.L.PET	0.22410913	0.688504985
## ZSVAR.L.PET	0.60532642	0.358611862
## Entropy_area.L.PET	0.69551413	0.879435267
## Max_cooc.H.PET	0.21039409	0.617884019
## Average_cooc.H.PET	0.62948893	0.981791313
## Variance_cooc.H.PET	0.58881205	0.606145684
## Entropy_cooc.H.PET	0.50238258	0.663737154
## DAVE_cooc.H.PET	0.36105253	0.670614309
## DVAR_cooc.H.PET	0.33081063	0.670251680
## DENT_cooc.H.PET	0.53972476	0.603681348
## SAVE_cooc.H.PET	0.66288944	0.941190543

## SVAR_cooc.H.PET	0.73423908	0.644998591
## SENT_cooc.H.PET	0.49089311	0.489595632
## ASM_cooc.H.PET	0.20316445	0.581201900
## Contrast_cooc.H.PET	0.20662884	0.559290282
## Dissimilarity_cooc.H.PET	0.36105253	0.670614309
## Inv_diff_cooc.H.PET	0.58751305	0.878701101
## Inv_diff_norm_cooc.H.PET	0.70258929	0.939794463
## IDM_cooc.H.PET	0.51388132	0.813497757
## IDM_norm_cooc.H.PET	0.69079845	0.928299920
## Inv_var_cooc_.H.PET	0.49422897	0.460285088
## Correlation_cooc.H.PET	1.00000000	0.615370982
## Autocorrelation_cooc.H.PET	0.61537098	1.000000000
## Tendency_cooc.H.PET	0.74260132	0.577231783
## Shade_cooc.H.PET	-0.40718663	-0.231285182
## Prominence_cooc.H.PET	0.64017081	0.309270511
## IC1_d.H.PET	-0.59767171	-0.212004093
## IC2_d.H.PET	0.96334530	0.697794672
## Coarseness_vdif.H.PET	0.27075361	0.422695555
## Contrast_vdif.H.PET	0.08791186	0.485860622
## Busyness_vdif.H.PET	0.12522106	0.060136948
## Complexity_vdif.H.PET	0.22576190	0.564288085
## Strength_vdif.H.PET	-0.08642718	0.211194344
## SRE_align.H.PET	0.59271998	0.817585160
## LRE_align.H.PET	0.58649328	0.818940677
## RLNU_align.H.PET	0.44145275	0.046487745
## RP_align.H.PET	0.56748136	0.793300279
## LGRE_align.H.PET	0.31858748	0.409852412
## HGRE_align.H.PET	0.58960718	0.988833326
## LGSRE_align.H.PET	0.31511672	0.407970815
## HGSRE_align.H.PET	0.55094591	0.941913242
## LGHRE_align.H.PET	0.34128125	0.422887691
## HGLRE_align.H.PET	0.44346710	0.691614864
## GLNU_norm_align.H.PET	0.30570119	0.793247145
## RLNU_norm_align.H.PET	0.49860134	0.700041966
## GLVAR_align.H.PET	0.59236376	0.561525748
## RLVAR_align.H.PET	0.43079656	0.529997432
## Entropy_align.H.PET	0.70357099	0.684700014
## SZSE.H.PET	0.49249291	0.627428480
## LZSE.H.PET	0.08830504	0.071713976
## LGLZE.H.PET	0.32037752	0.408986364
## HGLZE.H.PET	0.60194876	0.906284211
## SZLGE.H.PET	0.31138171	0.405271394
## SZHGE.H.PET	0.41106374	0.713334441
## LZLGE.H.PET	0.18110406	0.135256759
## LZHGE.H.PET	0.08900928	0.122468064
## GLNU_area.H.PET	0.45402169	0.112573917
## ZSNU.H.PET	0.36572803	0.004051557
## ZSP.H.PET	0.29354559	0.382285238
## GLNU_norm.H.PET	0.34180827	0.787201049
## ZSNU_norm.H.PET	0.37351065	0.446400406
## GLVAR_area.H.PET	0.57087989	0.538426950
## ZSVAR_H.PET	0.09609738	0.088961077
## Entropy_area.H.PET	0.73991637	0.790608398
## Max_cooc.W.PET	0.20664126	0.591059896

## Average_cooc.W.PET	0.40965786	0.217324050
## Variance_cooc.W.PET	0.27091130	-0.002918763
## Entropy_cooc.W.PET	0.58350864	0.604304346
## DAVE_cooc.W.PET	0.25167503	0.245050836
## DVAR_cooc.W.PET	0.14557619	0.015091631
## DENT_cooc.W.PET	0.49389587	0.589558192
## SAVE_cooc.W.PET	0.40915084	0.216544732
## SVAR_cooc.W.PET	0.32426695	-0.010946597
## SENT_cooc.W.PET	0.64837629	0.676393757
## ASM_cooc.W.PET	0.25441686	0.558004740
## Contrast_cooc.W.PET	0.10664627	0.017853630
## Dissimilarity_cooc.W.PET	0.25167503	0.245050836
## Inv_diff_cooc.W.PET	0.60208950	0.920834625
## Inv_diff_norm_cooc.W.PET	0.71863817	0.910376688
## IDM_cooc.W.PET	0.53230227	0.843514992
## IDM_norm_cooc.W.PET	0.69872825	0.913216910
## Inv_var_cooc.W.PET	0.58057653	0.871110579
## Correlation_cooc.W.PET	0.98890459	0.637358957
## Autocorrelation_cooc.W.PET	0.28791161	-0.017312119
## Tendency_cooc.W.PET	0.32426695	-0.010946597
## Shade_cooc.W.PET	0.22796070	-0.063508060
## Prominence_cooc.W.PET	0.19626315	-0.096231903
## IC1_d.W.PET	-0.53696745	-0.197421471
## IC2_d.W.PET	0.87992998	0.750332561
## Coarseness_vdif.W.PET	0.15847646	0.512842238
## Contrast_vdif.W.PET	0.03618383	0.249551180
## Busyness_vdif.W.PET	0.31236920	0.445837598
## Complexity_vdif.W.PET	0.26576522	-0.048062213
## Strength_vdif.W.PET	0.15998710	0.160266895
## SRE_align.W.PET	0.63510633	0.873746057
## LRE_align.W.PET	0.69624691	0.949878710
## GLNU_align.W.PET	0.51720943	0.191603991
## RLNU_align.W.PET	0.46234751	0.057440702
## RP_align.W.PET	0.62264300	0.859411956
## LGRE_align.W.PET	0.27714673	0.767970343
## HGRE_align.W.PET	0.27293453	-0.019719292
## LGSRE_align.W.PET	0.28583036	0.785155492
## HGSRE_align.W.PET	0.26420598	-0.023631689
## LGHRE_align.W.PET	0.23376348	0.651050078
## HGLRE_align.W.PET	0.31138583	-0.003258606
## GLNU_norm_align.W.PET	0.29797751	0.778689658
## RLNU_norm_align.W.PET	0.58797968	0.808894433
## GLVAR_align.W.PET	0.28396778	-0.010117312
## RLVAR_align.W.PET	0.46147323	0.603341257
## Entropy_align.W.PET	0.67488753	0.681252407
## SZSE.W.PET	0.55986100	0.777326170
## LZSE.W.PET	0.23319703	0.374488455
## LGLZE.W.PET	0.30825044	0.782957528
## HGLZE.W.PET	0.27613769	-0.016170306
## SZLGE.W.PET	0.32198786	0.801952138
## SZHGE.W.PET	0.25330688	-0.024747462
## LZLGE.W.PET	0.07046657	0.241932487
## LZHGE.W.PET	0.45668694	0.098710840
## GLNU_area.W.PET	0.49614434	0.160973761

## ZSNU.W.PET	0.41629789	0.032805798
## ZSP.W.PET	0.47684064	0.644825441
## GLNU_norm.W.PET	0.32825933	0.784257086
## ZSNU_norm.W.PET	0.46996554	0.638592917
## GLVAR_area.W.PET	0.28832440	-0.006205900
## ZSVAR.W.PET	0.15993614	0.276279248
## Entropy_area.W.PET	0.72582148	0.762543667
## Min_hist.ADC	0.15369826	0.388896609
## Max_hist.ADC	0.58855603	0.798709206
## Mean_hist.ADC	0.50376706	0.828999486
## Variance_hist.ADC	0.31681900	0.435039799
## Standard_Deviation_hist.ADC	0.48982050	0.678548600
## Skewness_hist.ADC	0.28622484	0.187161135
## Kurtosis_hist.ADC	0.29358219	0.209515464
## Energy_hist.ADC	0.29881343	0.439833254
## Entropy_hist.ADC	0.68383983	0.839725520
## AUC_hist.ADC	0.66232634	0.875157779
## Volume.ADC	0.34758586	0.188435817
## X3D_surface.ADC	0.40295534	0.296338309
## ratio_3ds_vol.ADC	0.30934573	0.679557945
## ratio_3ds_vol_norm.ADC	0.63206362	0.839273346
## irregularity.ADC	0.58733406	0.894763660
## Compactness_v1.ADC	0.46157327	0.655719889
##	Tendency_cooc.H.PET	Shade_cooc.H.PET
## Failure	-0.071506507	-0.014351564
## Entropy_cooc.W.ADC	0.107663059	-0.062607015
## GLNU_align.H.PET	0.050298308	-0.005816287
## Min_hist.PET	0.692603958	-0.370385099
## Max_hist.PET	0.771474757	-0.409113213
## Mean_hist.PET	0.745200518	-0.441048226
## Variance_hist.PET	0.545631202	-0.260105930
## Standard_Deviation_hist.PET	0.770046566	-0.421397531
## Skewness_hist.PET	0.205292234	0.233368139
## Kurtosis_hist.PET	-0.027984578	0.203748522
## Energy_hist.PET	0.235740392	-0.126690225
## Entropy_hist.PET	0.828671829	-0.428485529
## AUC_hist.PET	0.806194877	-0.394632442
## H_suv.PET	0.715463043	-0.413937372
## Volume.PET	0.467095945	-0.228611285
## X3D_surface.PET	0.417177452	-0.196959894
## ratio_3ds_vol.PET	0.252565289	-0.024616821
## ratio_3ds_vol_norm.PET	0.483835774	-0.167449840
## irregularity.PET	0.709544962	-0.318166061
## tumor_length.PET	0.708330183	-0.359360231
## Compactness_v1.PET	0.412279393	-0.232841166
## Compactness_v2.PET	0.296873921	-0.161528293
## Spherical_disproportion.PET	0.483835774	-0.167449840
## Sphericity.PET	0.290016938	-0.134829897
## Asphericity.PET	0.465784600	-0.156945490
## Center_of_mass.PET	0.496449951	-0.138363615
## Max_3D_diam.PET	0.636673628	-0.292645932
## Major_axis_length.PET	0.677344683	-0.311550527
## Minor_axis_length.PET	0.777058820	-0.383111661
## Least_axis_length.PET	0.744964558	-0.385705881

## Elongation.PET	0.662911927	-0.388956871
## Flatness.PET	0.689271805	-0.427547602
## Max_cooc.L.PET	0.280877925	-0.152281875
## Average_cooc.L.PET	0.697215635	-0.519908803
## Variance_cooc.L.PET	0.368125571	-0.137647116
## Entropy_cooc.L.PET	0.845675812	-0.456329053
## DAVE_cooc.L.PET	0.480701204	-0.240157395
## DVAR_cooc.L.PET	0.390389412	-0.137821274
## DENT_cooc.L.PET	0.754602526	-0.380982604
## SAVE_cooc.L.PET	0.697172833	-0.519923334
## SVAR_cooc.L.PET	0.407668713	-0.140713312
## SENT_cooc.L.PET	0.788803546	-0.409632235
## ASM_cooc.L.PET	0.276038798	-0.160603747
## Contrast_cooc.L.PET	0.255719241	-0.114210067
## Dissimilarity_cooc.L.PET	0.480701204	-0.240157395
## Inv_diff_cooc.L.PET	0.770041463	-0.386046657
## Inv_diff_norm_cooc.L.PET	0.837604225	-0.425204231
## IDM_cooc.L.PET	0.693957041	-0.345507953
## IDM_norm_cooc.L.PET	0.832622468	-0.423469495
## Inv_var_cooc.L.PET	0.698726892	-0.340310312
## Correlation_cooc.L.PET	0.682782426	-0.324544238
## Autocorrelation_cooc.L.PET	0.524576280	-0.483967677
## Tendency_cooc.L.PET	0.407668713	-0.140713312
## Shade_cooc.L.PET	0.028805006	0.441492061
## Prominence_cooc.L.PET	0.164735842	0.096650484
## IC1_.L.PET	-0.118960832	-0.021329874
## IC2_.L.PET	0.645099036	-0.308495452
## Coarseness_vdif_.L.PET	0.229425338	-0.123934638
## Contrast_vdif_.L.PET	-0.020718048	0.055774876
## Busyness_vdif_.L.PET	0.473314130	-0.122041380
## Complexity_vdif_.L.PET	0.401126602	-0.147748338
## Strength_vdif_.L.PET	-0.069364574	0.178555160
## SRE_align.L.PET	0.813172826	-0.411288616
## LRE_align.L.PET	0.840559597	-0.432832232
## GLNU_align.L.PET	0.476764574	-0.196962354
## RLNU_align.L.PET	0.499631555	-0.253061709
## RP_align.L.PET	0.811118601	-0.410405735
## LGRE_align.L.PET	0.328468096	0.025651248
## HGRE_align.L.PET	0.535464480	-0.464679650
## LGSRE_align.L.PET	0.331735456	0.022313813
## HGSRE_align.L.PET	0.528655518	-0.456185326
## LGHRE_align.L.PET	0.314650461	0.037662109
## HGLRE_align.L.PET	0.562064894	-0.498172182
## GLNU_norm_align.L.PET	0.429507913	-0.161025820
## RLNU_norm_align.L.PET	0.803536040	-0.406772628
## GLVAR_align.L.PET	0.438735482	-0.225620318
## RLVAR_align.L.PET	0.581770346	-0.325424806
## Entropy_align.L.PET	0.856911997	-0.471758750
## SZSE.L.PET	0.779202107	-0.383035848
## LZSE.L.PET	0.657750950	-0.382549420
## LGLZE.L.PET	0.341722810	0.009006462
## HGLZE.L.PET	0.539469278	-0.460031163
## SZLGE.L.PET	0.346007496	-0.002321323
## SZHGE.L.PET	0.515127599	-0.424243428

## LZLGE.L.PET	0.274981831	0.047622640
## LZHGE.L.PET	0.526198505	-0.503497424
## GLNU_area.L.PET	0.479064052	-0.197574906
## ZSNU.L.PET	0.497549014	-0.253065353
## ZSP.L.PET	0.778165711	-0.384948475
## GLNU_norm.L.PET	0.431999010	-0.164712506
## ZSNU_norm.L.PET	0.777397977	-0.396690426
## GLVAR_area.L.PET	0.449745196	-0.231244138
## ZSVAR.L.PET	0.516632138	-0.314602005
## Entropy_area.L.PET	0.867031983	-0.473893574
## Max_cooc.H.PET	-0.158898169	0.313290040
## Average_cooc.H.PET	0.693124617	-0.311604686
## Variance_cooc.H.PET	0.969464882	-0.684568540
## Entropy_cooc.H.PET	0.772160620	-0.374323140
## DAVE_cooc.H.PET	0.820400718	-0.524644630
## DVAR_cooc.H.PET	0.794469164	-0.534648392
## DENT_cooc.H.PET	0.751772133	-0.395756663
## SAVE_cooc.H.PET	0.759011027	-0.385800662
## SVAR_cooc.H.PET	0.933700576	-0.633217036
## SENT_cooc.H.PET	0.728476490	-0.471213617
## ASM_cooc.H.PET	-0.120337502	0.217833206
## Contrast_cooc.H.PET	0.752493531	-0.527463934
## Dissimilarity_cooc.H.PET	0.820400718	-0.524644630
## Inv_diff_cooc.H.PET	0.293507965	-0.021189996
## Inv_diff_norm_cooc.H.PET	0.796693544	-0.384526938
## IDM_cooc.H.PET	0.171601069	0.049375892
## IDM_norm_cooc.H.PET	0.811080873	-0.400371747
## Inv_var_cooc.H.PET	0.542518367	-0.256756410
## Correlation_cooc.H.PET	0.742601321	-0.407186629
## Autocorrelation_cooc.H.PET	0.577231783	-0.231285182
## Tendency_cooc.H.PET	1.000000000	-0.708238223
## Shade_cooc.H.PET	-0.708238223	1.000000000
## Prominence_cooc.H.PET	0.941608054	-0.785182603
## IC1_d.H.PET	-0.173807285	0.020320774
## IC2_d.H.PET	0.809266985	-0.413507578
## Coarseness_vdif.H.PET	0.258370278	-0.156437948
## Contrast_vdif.H.PET	0.046075022	-0.050579848
## Busyness_vdif.H.PET	0.188920821	-0.021734062
## Complexity_vdif.H.PET	0.514582553	-0.378258628
## Strength_vdif.H.PET	-0.184634559	0.125988483
## SRE_align.H.PET	0.863682998	-0.466711448
## LRE_align.H.PET	0.308433673	-0.060407834
## RLNU_align.H.PET	0.511036978	-0.247089834
## RP_align.H.PET	0.863973594	-0.470160116
## LGRE_align.H.PET	0.330008853	-0.215918789
## HGRE_align.H.PET	0.582093735	-0.199536459
## LGSRE_align.H.PET	0.326603211	-0.213173050
## HGSRE_align.H.PET	0.685614605	-0.264397041
## LGHRE_align.H.PET	0.346068812	-0.228533115
## HGLRE_align.H.PET	0.099132949	0.044981155
## GLNU_norm_align.H.PET	0.021265650	0.165371470
## RLNU_norm_align.H.PET	0.863049372	-0.485388966
## GLVAR_align.H.PET	0.973636194	-0.721539775
## RLVAR_align.H.PET	-0.004383491	0.110260510

## Entropy_align.H.PET	0.948097678	-0.543584652
## SZSE.H.PET	0.842214525	-0.455180681
## LZSE.H.PET	-0.190203414	0.231224799
## LGLZE.H.PET	0.334306405	-0.223860538
## HGLZE.H.PET	0.559716938	-0.132980362
## SZLGE.H.PET	0.322986069	-0.211499627
## SZHGE.H.PET	0.637248798	-0.196787458
## LZLGE.H.PET	-0.132199140	0.195895966
## LZHGE.H.PET	-0.207035581	0.222730094
## GLNU_area.H.PET	0.495325767	-0.242550589
## ZSNU.H.PET	0.482716807	-0.209361606
## ZSP.H.PET	0.761524462	-0.444451674
## GLNU_norm.H.PET	0.074407355	0.107035614
## ZSNU_norm.H.PET	0.791442758	-0.435565332
## GLVAR_area.H.PET	0.957463819	-0.727225804
## ZSVAR_H.PET	-0.196565719	0.236425589
## Entropy_area.H.PET	0.915900696	-0.521520329
## Max_cooc.W.PET	-0.065414228	0.192398724
## Average_cooc.W.PET	0.789540308	-0.524829368
## Variance_cooc.W.PET	0.526761610	-0.227744790
## Entropy_cooc.W.PET	0.923765546	-0.530761349
## DAVE_cooc.W.PET	0.712353957	-0.397394108
## DVAR_cooc.W.PET	0.513857466	-0.239853275
## DENT_cooc.W.PET	0.873568853	-0.481048872
## SAVE_cooc.W.PET	0.789160787	-0.524609820
## SVAR_cooc.W.PET	0.512733898	-0.207611124
## SENT_cooc.W.PET	0.916385799	-0.512824201
## ASM_cooc.W.PET	0.045857044	0.060469463
## Contrast_cooc.W.PET	0.516105930	-0.259915963
## Dissimilarity_cooc.W.PET	0.712353957	-0.397394108
## Inv_diff_cooc.W.PET	0.391081330	-0.128686650
## Inv_diff_norm_cooc.W.PET	0.833786811	-0.422459717
## IDM_cooc.W.PET	0.236578273	-0.029193205
## IDM_norm_cooc.W.PET	0.831604701	-0.423312732
## Inv_var_cooc.W.PET	0.333877149	-0.105124695
## Correlation_cooc.W.PET	0.691437783	-0.332943567
## Autocorrelation_cooc.W.PET	0.576125722	-0.364659677
## Tendency_cooc.W.PET	0.512733898	-0.207611124
## Shade_cooc.W.PET	0.199915985	0.053893185
## Prominence_cooc.W.PET	0.188505315	0.004510040
## IC1_d.W.PET	-0.207021332	0.042185849
## IC2_d.W.PET	0.825863126	-0.422913504
## Coarseness_vdif.W.PET	0.177155230	-0.086890769
## Contrast_vdif.W.PET	0.515593703	-0.306749064
## Busyness_vdif.W.PET	-0.036035409	0.250572789
## Complexity_vdif.W.PET	0.424067142	-0.151909471
## Strength_vdif.W.PET	0.241181225	-0.042690976
## SRE_align.W.PET	0.846327274	-0.441204382
## LRE_align.W.PET	0.581276182	-0.241282354
## GLNU_align.W.PET	0.406332147	-0.179907161
## RLNU_align.W.PET	0.506641514	-0.248975471
## RP_align.W.PET	0.851634238	-0.447350055
## LGRE_align.W.PET	-0.030825960	0.288664246
## HGRE_align.W.PET	0.575821109	-0.356719031

## LGSRE_align.W.PET	0.008586147	0.261058350
## HGSRE_align.W.PET	0.568912186	-0.348249563
## LGHRE_align.W.PET	-0.167866453	0.363635991
## HGLRE_align.W.PET	0.604003777	-0.392842370
## GLNU_norm_align.W.PET	0.030658076	0.150815545
## RLNU_norm_align.W.PET	0.864701327	-0.464061324
## GLVAR_align.W.PET	0.545867087	-0.260477148
## RLVAR_align.W.PET	0.046831035	0.072294060
## Entropy_align.W.PET	0.946576345	-0.544932958
## SZSE.W.PET	0.841091179	-0.432502170
## LZSE.W.PET	-0.128489979	0.200699282
## LGLZE.W.PET	0.010380092	0.241943426
## HGLZE.W.PET	0.575507929	-0.347703967
## SZLGE.W.PET	0.105501441	0.176374639
## SZHGE.W.PET	0.553306693	-0.319743510
## LZLGE.W.PET	-0.275781340	0.334381083
## LZHGE.W.PET	0.608371341	-0.485763567
## GLNU_area.W.PET	0.454690698	-0.212125857
## ZSNU.W.PET	0.497990783	-0.229953304
## ZSP.W.PET	0.850397167	-0.473033606
## GLNU_norm.W.PET	0.069090365	0.124978539
## ZSNU_norm.W.PET	0.845060490	-0.450728809
## GLVAR_area.W.PET	0.547972639	-0.263234494
## ZSVAR.W.PET	-0.191238801	0.235234449
## Entropy_area.W.PET	0.931344915	-0.527916808
## Min_hist.ADC	0.192294333	-0.073525430
## Max_hist.ADC	0.708647973	-0.282795885
## Mean_hist.ADC	0.635130330	-0.272761563
## Variance_hist.ADC	0.306441575	-0.092612411
## Standard_Deviation_hist.ADC	0.554132267	-0.239947784
## Skewness_hist.ADC	0.293526631	-0.117618909
## Kurtosis_hist.ADC	0.280772697	-0.007034910
## Energy_hist.ADC	0.282041361	-0.170364973
## Entropy_hist.ADC	0.826273104	-0.416808020
## AUC_hist.ADC	0.832562147	-0.426589378
## Volume.ADC	0.438194379	-0.203229297
## X3D_surface.ADC	0.470642273	-0.158581316
## ratio_3ds_vol.ADC	0.415232548	-0.224832467
## ratio_3ds_vol_norm.ADC	0.791565881	-0.375621460
## irregularity.ADC	0.765913941	-0.414028583
## Compactness_v1.ADC	0.495969900	-0.281486618
##	Prominence_cooc.H.PET	IC1_d.H.PET IC2_d.H.PET
## Failure	-0.1037264408	0.0922493686 -0.09005601
## Entropy_cooc.W.ADC	0.1224764263	-0.1810238169 0.15448191
## GLNU_align.H.PET	0.0854055459	-0.1496903129 0.11053233
## Min_hist.PET	0.7069620949	0.1329316904 0.43318080
## Max_hist.PET	0.8057503101	0.0124821503 0.56209318
## Mean_hist.PET	0.7851792833	0.1044276920 0.46698230
## Variance_hist.PET	0.6423778764	0.0410007228 0.36195654
## Standard_Deviation_hist.PET	0.8064986784	0.0498570704 0.53886822
## Skewness_hist.PET	-0.0104934685	-0.0979727098 0.44956292
## Kurtosis_hist.PET	-0.1136203674	0.0024675919 0.12769288
## Energy_hist.PET	0.1061922072	0.4048057783 0.30824723
## Entropy_hist.PET	0.6843428387	-0.2257736318 0.77756281

## AUC_hist.PET	0.5874843661	-0.0987691477	0.78704613
## H_suv.PET	0.7288736769	0.2539167259	0.40181352
## Volume.PET	0.4811383145	-0.2231466507	0.36792636
## X3D_surface.PET	0.4574526622	-0.2604529792	0.44205939
## ratio_3ds_vol.PET	0.0450320243	0.1563490862	0.35964432
## ratio_3ds_vol_norm.PET	0.3487402353	-0.1057877939	0.63535154
## irregularity.PET	0.4671880816	-0.0772946103	0.71492709
## tumor_length.PET	0.6613073351	-0.2775798041	0.73683346
## Compactness_v1.PET	0.2975440743	0.3530485149	0.42619496
## Compactness_v2.PET	0.3022351787	-0.1088769471	0.16691746
## Spherical_disproportion.PET	0.3487402353	-0.1057877939	0.63535154
## Sphericity.PET	0.2855633457	-0.1777219744	0.14102706
## Asphericity.PET	0.3352192780	-0.1033030451	0.62142346
## Center_of_mass.PET	0.4756446003	-0.4071844475	0.64106644
## Max_3D_diam.PET	0.6381577514	-0.3693656772	0.56519618
## Major_axis_length.PET	0.6769085207	-0.3001068426	0.60137297
## Minor_axis_length.PET	0.7187246720	-0.3522761764	0.74261660
## Least_axis_length.PET	0.7280782107	-0.4100405927	0.70652444
## Elongation.PET	0.4570998097	-0.0668702394	0.64288635
## Flatness.PET	0.5263922279	-0.1786149030	0.68434790
## Max_cooc.L.PET	0.1558900627	0.3667051488	0.36938550
## Average_cooc.L.PET	0.5393218744	0.0013257251	0.52407519
## Variance_cooc.L.PET	0.1587232533	0.0895551167	0.30746348
## Entropy_cooc.L.PET	0.6483603669	-0.1236299606	0.75819546
## DAVE_cooc.L.PET	0.2721657222	0.2318718944	0.30619146
## DVAR_cooc.L.PET	0.1987143147	0.3347404138	0.22355541
## DENT_cooc.L.PET	0.5315465679	-0.0067541738	0.65817009
## SAVE_cooc.L.PET	0.5393466980	0.0008465405	0.52387426
## SVAR_cooc.L.PET	0.1939101209	-0.0933369411	0.43954622
## SENT_cooc.L.PET	0.5683867247	-0.0963827709	0.76026765
## ASM_cooc.L.PET	0.1629449197	0.3818921957	0.35142087
## Contrast_cooc.L.PET	0.0814384471	0.3678503728	0.05622704
## Dissimilarity_cooc.L.PET	0.2721657222	0.2318718944	0.30619146
## Inv_diff_cooc.L.PET	0.6128018547	-0.2161422245	0.86148384
## Inv_diff_norm_cooc.L.PET	0.6305372741	-0.1567497355	0.82341634
## IDM_cooc.L.PET	0.5567185833	-0.1802079995	0.81657688
## IDM_norm_cooc.L.PET	0.6217551752	-0.1397072202	0.80790502
## Inv_var_cooc.L.PET	0.5616023394	-0.1833172543	0.82006420
## Correlation_cooc.L.PET	0.5581209310	-0.6309535500	0.95088780
## Autocorrelation_cooc.L.PET	0.4069225955	0.0030942212	0.36307015
## Tendency_cooc.L.PET	0.1939101209	-0.0933369411	0.43954622
## Shade_cooc.L.PET	-0.1602289426	-0.2425745510	0.35130699
## Prominence_cooc.L.PET	-0.0409596347	-0.1163419003	0.31370504
## IC1_.L.PET	0.0478644163	0.2770241007	-0.23039293
## IC2_.L.PET	0.4072045779	-0.1167017495	0.70331782
## Coarseness_vdif_.L.PET	0.0695151229	0.3394565263	0.31215138
## Contrast_vdif_.L.PET	-0.1282820292	0.2823787825	-0.08588465
## Busyness_vdif_.L.PET	0.4815644125	-0.2495314864	0.44973272
## Complexity_vdif_.L.PET	0.1942187995	0.3340948170	0.24727850
## Strength_vdif_.L.PET	-0.2478658815	0.1129669651	0.08230326
## SRE_align.L.PET	0.5955294683	-0.0951939768	0.77020363
## LRE_align.L.PET	0.6356811733	-0.1612585273	0.82096438
## GLNU_align.L.PET	0.5216838007	-0.3076176771	0.47618501
## RLNU_align.L.PET	0.5720492300	-0.3024839859	0.44619679

## RP_align.L.PET	0.5928395456	-0.0915113997	0.76663141
## LGRE_align.L.PET	0.1216416612	0.1098703745	0.52108863
## HGRE_align.L.PET	0.4139357103	0.0575005751	0.33618797
## LGSRE_align.L.PET	0.1236266476	0.1194439356	0.52042961
## HGSRE_align.L.PET	0.4052661861	0.0646848446	0.32931664
## LGHRE_align.L.PET	0.1142822304	0.0715930691	0.52142141
## HGLRE_align.L.PET	0.4486121547	0.0278409365	0.36341102
## GLNU_norm_align.L.PET	0.2469005205	0.2273913314	0.54363847
## RLNU_norm_align.L.PET	0.5832963868	-0.0779058454	0.75346121
## GLVAR_align.L.PET	0.2428803330	0.0728343950	0.34270572
## RLVAR_align.L.PET	0.4694708533	0.0178397571	0.69942023
## Entropy_align.L.PET	0.6610783422	-0.1416620197	0.77677970
## SZSE.L.PET	0.5621708246	-0.0606196147	0.73005822
## LZSE.L.PET	0.5361619177	-0.2289209513	0.67292640
## LGLZE.L.PET	0.1330320723	0.1172104912	0.52606114
## HGLZE.L.PET	0.4145596720	0.0611443600	0.34016871
## SZLGE.L.PET	0.1350720112	0.1518380935	0.51452402
## SZHGE.L.PET	0.3847891189	0.0880320282	0.31750774
## LZLGE.L.PET	0.1094668794	-0.0295689070	0.49532260
## LZHGE.L.PET	0.4529911133	-0.0575826835	0.36467397
## GLNU_area.L.PET	0.5249052594	-0.3046232156	0.47209900
## ZSNU.L.PET	0.5699652656	-0.2900271485	0.43157896
## ZSP.L.PET	0.5570894527	-0.0529934554	0.72302220
## GLNU_norm.L.PET	0.2501096057	0.2282072377	0.54503958
## ZSNU_norm.L.PET	0.5550856416	-0.0362177520	0.70973679
## GLVAR_area.L.PET	0.2525881690	0.0783469136	0.34896327
## ZSVAR.L.PET	0.4725155579	-0.2218207923	0.60487983
## Entropy_area.L.PET	0.6740881586	-0.1588265479	0.79465913
## Max_cooc.H.PET	-0.3743412004	-0.1672578475	0.20229368
## Average_cooc.H.PET	0.4396867503	-0.1612593725	0.73422857
## Variance_cooc.H.PET	0.8884846015	-0.0052120690	0.69707841
## Entropy_cooc.H.PET	0.6468203935	-0.0098564504	0.64761915
## DAVE_cooc.H.PET	0.6794015492	0.1966558116	0.52124958
## DVAR_cooc.H.PET	0.6492234181	0.2053311239	0.47952026
## DENT_cooc.H.PET	0.6385996274	-0.1083616469	0.63248490
## SAVE_cooc.H.PET	0.5257491408	-0.1762463959	0.77098523
## SVAR_cooc.H.PET	0.8427447220	-0.1919017042	0.80435591
## SENT_cooc.H.PET	0.6533528954	0.1599589491	0.60625534
## ASM_cooc.H.PET	-0.3006828386	-0.0850065479	0.18565401
## Contrast_cooc.H.PET	0.6431231461	0.3076492907	0.37398491
## Dissimilarity_cooc.H.PET	0.6794015492	0.1966558116	0.52124958
## Inv_diff_cooc.H.PET	0.0307492012	-0.3537965852	0.59712264
## Inv_diff_norm_cooc.H.PET	0.5724069747	-0.1601620447	0.80733058
## IDM_cooc.H.PET	-0.0850812908	-0.3566001347	0.50613426
## IDM_norm_cooc.H.PET	0.5914579751	-0.1399528006	0.80040242
## Inv_var_cooc.H.PET	0.4529795087	0.2761180499	0.57663404
## Correlation_cooc.H.PET	0.6401708069	-0.5976717059	0.96334530
## Autocorrelation_cooc.H.PET	0.3092705112	-0.2120040926	0.69779467
## Tendency_cooc.H.PET	0.9416080538	-0.1738072851	0.80926699
## Shade_cooc.H.PET	-0.7851826026	0.0203207739	-0.41350758
## Prominence_cooc.H.PET	1.0000000000	-0.1325277583	0.67931710
## IC1_d.H.PET	-0.1325277583	1.0000000000	-0.52804782
## IC2_d.H.PET	0.6793170977	-0.5280478190	1.00000000
## Coarseness_vdif.H.PET	0.1478685134	0.3988739066	0.32959930

## Contrast_vdif.H.PET	-0.1427440083	-0.0184562735	0.08386196
## Busyness_vdif.H.PET	0.1786819464	-0.2584505274	0.12731638
## Complexity_vdif.H.PET	0.3685817867	0.3450695885	0.35806301
## Strength_vdif.H.PET	-0.1886087085	0.0686922753	-0.08443197
## SRE_align.H.PET	0.6873750845	0.0187856215	0.73022564
## LRE_align.H.PET	0.0717488868	-0.4556926868	0.59099381
## RLNU_align.H.PET	0.5963325882	-0.2231061562	0.42051838
## RP_align.H.PET	0.6963999069	0.0494047573	0.71012584
## LGRE_align.H.PET	0.2335554368	0.3887216137	0.37463737
## HGRE_align.H.PET	0.3166941688	-0.1876354954	0.67892937
## LGSRE_align.H.PET	0.2301375458	0.3913732383	0.37125820
## HGSRE_align.H.PET	0.4414446441	-0.0526031499	0.67729470
## LGHRE_align.H.PET	0.2481503141	0.3657710627	0.39556617
## HGLRE_align.H.PET	-0.1044376163	-0.4867419555	0.41645526
## GLNU_norm_align.H.PET	-0.2508804069	-0.1587620307	0.32304583
## RLNU_norm_align.H.PET	0.7279251499	0.1242753325	0.65257095
## GLVAR_align.H.PET	0.9168864726	-0.0134920636	0.69148131
## RLVAR_align.H.PET	-0.1863648100	-0.5681000968	0.37590331
## Entropy_align.H.PET	0.8433462532	-0.1407866264	0.81046048
## SZSE.H.PET	0.7307408998	0.1057025772	0.63791902
## LZSE.H.PET	-0.2234028518	-0.4352740694	0.05564660
## LGLZE.H.PET	0.2400111472	0.3878726491	0.37660167
## HGLZE.H.PET	0.3161141006	-0.2235098680	0.68689145
## SZLGE.H.PET	0.2271338841	0.3937921368	0.36782548
## SZHGE.H.PET	0.4542526341	0.0314520098	0.57065351
## LZLGE.H.PET	-0.1949338388	-0.4555369786	0.14340462
## LZHGE.H.PET	-0.2458238829	-0.4133952523	0.04408504
## GLNU_area.H.PET	0.5408327323	-0.2643235421	0.42839284
## ZSNU.H.PET	0.5818098839	-0.1465076167	0.35777919
## ZSP.H.PET	0.7260034325	0.2643047043	0.44784721
## GLNU_norm.H.PET	-0.2035295037	-0.1873464814	0.35522706
## ZSNU_norm.H.PET	0.7380348650	0.1947970643	0.52623061
## GLVAR_area.H.PET	0.9085417566	0.0047634635	0.66732145
## ZSVAR.H.PET	-0.2397803501	-0.4331785276	0.05622894
## Entropy_area.H.PET	0.7656929931	-0.1769678003	0.83466370
## Max_cooc.W.PET	-0.2452313188	0.0442861180	0.21340864
## Average_cooc.W.PET	0.8525405179	0.0538512392	0.51170548
## Variance_cooc.W.PET	0.6110365977	0.0474827502	0.35726460
## Entropy_cooc.W.PET	0.8385076056	-0.0045232323	0.71310441
## DAVE_cooc.W.PET	0.7248928454	0.2013214293	0.40514075
## DVAR_cooc.W.PET	0.5854157850	0.1612988073	0.26975742
## DENT_cooc.W.PET	0.7817155667	0.0859529908	0.64494316
## SAVE_cooc.W.PET	0.8523964742	0.0530631288	0.51112091
## SVAR_cooc.W.PET	0.5996093959	-0.0115606299	0.38963780
## SENT_cooc.W.PET	0.8000724157	-0.0292621950	0.77827132
## ASM_cooc.W.PET	-0.1113647346	0.1584101110	0.26528512
## Contrast_cooc.W.PET	0.5861813609	0.1973462373	0.24016505
## Dissimilarity_cooc.W.PET	0.7248928454	0.2013214293	0.40514075
## Inv_diff_cooc.W.PET	0.1195953959	-0.3015043852	0.62452179
## Inv_diff_norm_cooc.W.PET	0.6251141043	-0.1579245950	0.82222570
## IDM_cooc.W.PET	-0.0269929333	-0.3344607246	0.52828916
## IDM_norm_cooc.W.PET	0.6203495377	-0.1388077701	0.80701739
## Inv_var_cooc.W.PET	0.0627099757	-0.3129988268	0.58971099
## Correlation_cooc.W.PET	0.5698665404	-0.6259700649	0.95356532

## Autocorrelation_cooc.W.PET	0.7023453730	0.0372839306	0.35318008
## Tendency_cooc.W.PET	0.5996093959	-0.0115606299	0.38963780
## Shade_cooc.W.PET	0.2413420271	-0.0876101677	0.24367274
## Prominence_cooc.W.PET	0.2542175819	-0.0713742429	0.19945334
## IC1_d.W.PET	-0.1708611241	0.9570351271	-0.50970007
## IC2_d.W.PET	0.6755876363	-0.4174976050	0.96604571
## Coarseness_vdif.W.PET	0.0155289957	0.3293259781	0.25312268
## Contrast_vdif.W.PET	0.4852113976	0.3731906196	0.21626976
## Busyness_vdif.W.PET	-0.2102592913	-0.5225274591	0.25989309
## Complexity_vdif.W.PET	0.5194632638	-0.0134824209	0.31524860
## Strength_vdif.W.PET	0.1849750874	0.0698722431	0.28146103
## SRE_align.W.PET	0.6481769474	-0.0488720675	0.76279437
## LRE_align.W.PET	0.3292240859	-0.3726560871	0.74588558
## GLNU_align.W.PET	0.4031321429	-0.4478664215	0.47147413
## RLNU_align.W.PET	0.5859239748	-0.2602524549	0.43629887
## RP_align.W.PET	0.6590697213	-0.0285857231	0.75384283
## LGRE_align.W.PET	-0.3186737225	-0.1298122371	0.30885225
## HGRE_align.W.PET	0.7014183641	0.0460370641	0.34119008
## LGSRE_align.W.PET	-0.2864600311	-0.0952145993	0.32792033
## HGSRE_align.W.PET	0.6939027672	0.0518184738	0.33401922
## LGHRE_align.W.PET	-0.4062726995	-0.2644746533	0.22687449
## HGLRE_align.W.PET	0.7318159178	0.0169558393	0.37238686
## GLNU_norm_align.W.PET	-0.2281747284	-0.0730352643	0.32000611
## RLNU_norm_align.W.PET	0.6909372261	0.0202490784	0.72835913
## GLVAR_align.W.PET	0.6429065252	0.0387783036	0.36272594
## RLVAR_align.W.PET	-0.1491990762	-0.4737652010	0.41269849
## Entropy_align.W.PET	0.8412476157	-0.1025406728	0.78850971
## SZSE.W.PET	0.6754287072	0.0422178243	0.69997943
## LZSE.W.PET	-0.2532420394	-0.4472881599	0.17993980
## LGLZE.W.PET	-0.2835474596	-0.1362018498	0.33319615
## HGLZE.W.PET	0.6973650797	0.0440101251	0.34675278
## SZLGE.W.PET	-0.1907140301	-0.0310083125	0.36611072
## SZHGE.W.PET	0.6717324301	0.0567174772	0.32807015
## LZLGE.W.PET	-0.3429693756	-0.3366273831	0.02818211
## LZHGE.W.PET	0.7059337806	-0.1826986660	0.46899259
## GLNU_area.W.PET	0.4714052767	-0.3699425534	0.46006695
## ZSNU.W.PET	0.5870459885	-0.2004894572	0.39935395
## ZSP.W.PET	0.7325411967	0.1328490674	0.62961020
## GLNU_norm.W.PET	-0.2011872328	-0.0921981235	0.34942739
## ZSNU_norm.W.PET	0.7292090391	0.1391044209	0.62519271
## GLVAR_area.W.PET	0.6438089910	0.0377848254	0.36740792
## ZSVAR.W.PET	-0.2905295412	-0.4158890598	0.10275088
## Entropy_area.W.PET	0.7953474439	-0.1641246205	0.82846500
## Min_hist.ADC	0.0801194028	0.0190591369	0.21390134
## Max_hist.ADC	0.5163776635	-0.1085620084	0.68717505
## Mean_hist.ADC	0.4189692239	-0.0719659775	0.63462813
## Variance_hist.ADC	0.1966764210	-0.0454221198	0.36621043
## Standard_Deviation_hist.ADC	0.3902241799	-0.0844472194	0.57518102
## Skewness_hist.ADC	0.2569357213	-0.0665842535	0.26222460
## Kurtosis_hist.ADC	0.2282329210	-0.0997143939	0.31721768
## Energy_hist.ADC	0.1627279018	0.3684828681	0.35586146
## Entropy_hist.ADC	0.6412527686	-0.1438064837	0.77700400
## AUC_hist.ADC	0.6324492903	-0.0840417843	0.76932206
## Volume.ADC	0.4501912139	-0.2020628498	0.33568167

## X3D_surface.ADC	0.4329301461	-0.1236251619	0.41003425
## ratio_3ds_vol.ADC	0.2222367514	0.0242226430	0.44632738
## ratio_3ds_vol_norm.ADC	0.5933935997	-0.1201682969	0.73941489
## irregularity.ADC	0.5499457668	-0.0759352347	0.71891631
## Compactness_v1.ADC	0.3320290290	0.2507015448	0.54177650
##	Coarseness_vdif.H.PET	Contrast_vdif.H.PET	
## Failure	0.061013336	0.163340520	
## Entropy_cooc.W.ADC	-0.040382888	-0.015901756	
## GLNU_align.H.PET	0.028400614	-0.100350918	
## Min_hist.PET	0.110841015	-0.275401784	
## Max_hist.PET	0.111802874	-0.331325413	
## Mean_hist.PET	0.101867512	-0.294821723	
## Variance_hist.PET	0.036353009	-0.368000662	
## Standard_Deviation_hist.PET	0.138896400	-0.331743029	
## Skewness_hist.PET	0.300279408	0.002464008	
## Kurtosis_hist.PET	0.142910200	-0.071021140	
## Energy_hist.PET	0.989046202	0.335740982	
## Entropy_hist.PET	0.250022755	0.078092719	
## AUC_hist.PET	0.478474262	0.291160406	
## H_suv.PET	0.245722555	-0.240231240	
## Volume.PET	-0.191498531	-0.138418023	
## X3D_surface.PET	0.075908099	-0.137740317	
## ratio_3ds_vol.PET	0.662564487	0.413274718	
## ratio_3ds_vol_norm.PET	0.622828168	0.157826367	
## irregularity.PET	0.458308535	0.375223732	
## tumor_length.PET	0.282572399	-0.055845559	
## Compactness_v1.PET	0.904609612	0.237583904	
## Compactness_v2.PET	-0.280484176	-0.080348095	
## Spherical_disproportion.PET	0.622828168	0.157826367	
## Sphericity.PET	-0.424825640	-0.082489616	
## Asphericity.PET	0.621334769	0.151439641	
## Center_of_mass.PET	0.143392724	-0.132857012	
## Max_3D_diam.PET	-0.202131286	-0.159716875	
## Major_axis_length.PET	-0.065773123	-0.137509618	
## Minor_axis_length.PET	0.091970025	-0.082115236	
## Least_axis_length.PET	-0.027159310	-0.135890649	
## Elongation.PET	0.476738055	0.304352304	
## Flatness.PET	0.370872009	0.210730307	
## Max_cooc.L.PET	0.993927008	0.285651913	
## Average_cooc.L.PET	0.354394286	0.466574753	
## Variance_cooc.L.PET	0.341698679	0.449325732	
## Entropy_cooc.L.PET	0.352923012	0.251060562	
## DAVE_cooc.L.PET	0.379154124	0.414394447	
## DVAR_cooc.L.PET	0.421713693	0.333761013	
## DENT_cooc.L.PET	0.407878467	0.336438315	
## SAVE_cooc.L.PET	0.353315802	0.466449847	
## SVAR_cooc.L.PET	0.316849295	0.448414952	
## SENT_cooc.L.PET	0.485826494	0.342263527	
## ASM_cooc.L.PET	0.995338731	0.263176846	
## Contrast_cooc.L.PET	0.334887634	0.390247229	
## Dissimilarity_cooc.L.PET	0.379154124	0.414394447	
## Inv_diff_cooc.L.PET	0.505340459	0.131069772	
## Inv_diff_norm_cooc.L.PET	0.432795796	0.259403773	
## IDM_cooc.L.PET	0.559405563	0.101869609	

## IDM_norm_cooc.L.PET	0.432661284	0.274337183
## Inv_var_cooc.L.PET	0.556182738	0.098637462
## Correlation_cooc.L.PET	0.268937554	0.133242075
## Autocorrelation_cooc.L.PET	0.300502431	0.531558831
## Tendency_cooc.L.PET	0.316849295	0.448414952
## Shade_cooc.L.PET	0.130059049	-0.047179692
## Prominence_cooc.L.PET	0.262805028	0.373301262
## IC1_.L.PET	0.014729173	-0.504014723
## IC2_.L.PET	0.525939839	0.439491169
## Coarseness_vdif_.L.PET	0.936395333	0.482648508
## Contrast_vdif_.L.PET	0.260573883	0.335500101
## Busyness_vdif_.L.PET	-0.083456147	-0.178223453
## Complexity_vdif_.L.PET	0.450045670	0.345141653
## Strength_vdif_.L.PET	0.360248400	0.421841524
## SRE_align.L.PET	0.443992748	0.300347816
## LRE_align.L.PET	0.419230415	0.258437396
## GLNU_align.L.PET	-0.072781114	-0.185161690
## RLNU_align.L.PET	-0.127273661	-0.198167348
## RP_align.L.PET	0.444566246	0.303007288
## LGRE_align.L.PET	0.668890982	0.087966538
## HGRE_align.L.PET	0.314435124	0.540339330
## LGSRE_align.L.PET	0.679354611	0.093724561
## HGSRE_align.L.PET	0.316523117	0.542386160
## LGHRE_align.L.PET	0.625368293	0.064656177
## HGLRE_align.L.PET	0.304644016	0.529678465
## GLNU_norm_align.L.PET	0.896804202	0.272223311
## RLNU_norm_align.L.PET	0.447348014	0.311602883
## GLVAR_align.L.PET	0.340605621	0.461950281
## RLVAR_align.L.PET	0.793734725	0.140659041
## Entropy_align.L.PET	0.367924221	0.277685631
## SZSE.L.PET	0.452451108	0.305138455
## LZSE.L.PET	0.247875274	0.123778444
## LGLZE.L.PET	0.679542285	0.102920331
## HGLZE.L.PET	0.317536999	0.534914061
## SZLGE.L.PET	0.711352892	0.126953392
## SZHGE.L.PET	0.327445970	0.528414234
## LZLGE.L.PET	0.481505329	-0.002506500
## LZHGE.L.PET	0.214487902	0.428550895
## GLNU_area.L.PET	-0.079367862	-0.185569564
## ZSNU.L.PET	-0.136515254	-0.196093962
## ZSP.L.PET	0.451384271	0.317627762
## GLNU_norm.L.PET	0.899726248	0.270741710
## ZSNU_norm.L.PET	0.454412569	0.329498988
## GLVAR_area.L.PET	0.348310585	0.460310110
## ZSVAR.L.PET	0.299614521	-0.019958945
## Entropy_area.L.PET	0.363038257	0.261272580
## Max_cooc.H.PET	0.426017309	0.595111965
## Average_cooc.H.PET	0.419416658	0.407635914
## Variance_cooc.H.PET	0.295506571	0.090645570
## Entropy_cooc.H.PET	0.263636669	-0.047365669
## DAVE_cooc.H.PET	0.340422572	0.155914084
## DVAR_cooc.H.PET	0.348779056	0.304285579
## DENT_cooc.H.PET	0.179812227	-0.056477826
## SAVE_cooc.H.PET	0.393612665	0.324127117

## SVAR_cooc.H.PET	0.296260822	0.062531106
## SENT_cooc.H.PET	0.588241263	-0.041752823
## ASM_cooc.H.PET	0.523617150	0.587500711
## Contrast_cooc.H.PET	0.315090127	0.158088520
## Dissimilarity_cooc.H.PET	0.340422572	0.155914084
## Inv_diff_cooc.H.PET	0.453931514	0.609220740
## Inv_diff_norm_cooc.H.PET	0.449680681	0.315396728
## IDM_cooc.H.PET	0.429029415	0.639026390
## IDM_norm_cooc.H.PET	0.441884852	0.297067015
## Inv_var_cooc_.H.PET	0.880715718	0.027398097
## Correlation_cooc.H.PET	0.270753611	0.087911858
## Autocorrelation_cooc.H.PET	0.422695555	0.485860622
## Tendency_cooc.H.PET	0.258370278	0.046075022
## Shade_cooc.H.PET	-0.156437948	-0.050579848
## Prominence_cooc.H.PET	0.147868513	-0.142744008
## IC1_d.H.PET	0.398873907	-0.018456273
## IC2_d.H.PET	0.329599300	0.083861961
## Coarseness_vdif.H.PET	1.000000000	0.265206399
## Contrast_vdif.H.PET	0.265206399	1.000000000
## Busyness_vdif.H.PET	-0.417298498	-0.091160730
## Complexity_vdif.H.PET	0.671855518	0.300159676
## Strength_vdif.H.PET	0.189410606	0.094051780
## SRE_align.H.PET	0.421669821	0.163198770
## LRE_align.H.PET	0.299136006	0.513180663
## RLNU_align.H.PET	-0.112772316	-0.220606330
## RP_align.H.PET	0.418434220	0.145860816
## LGRE_align.H.PET	0.988802129	0.229744893
## HGRE_align.H.PET	0.418193984	0.492065399
## LGSRE_align.H.PET	0.989158195	0.229603422
## HGSRE_align.H.PET	0.417917659	0.363066980
## LGHRE_align.H.PET	0.986772803	0.234087136
## HGLRE_align.H.PET	0.242786927	0.535797751
## GLNU_norm_align.H.PET	0.458696618	0.678763932
## RLNU_norm_align.H.PET	0.394188052	0.051250490
## GLVAR_align.H.PET	0.270682879	0.050377863
## RLVAR_align.H.PET	0.194692183	0.434582370
## Entropy_align.H.PET	0.288825509	-0.009593864
## SZSE.H.PET	0.364288678	-0.055750580
## LZSE.H.PET	-0.058695472	-0.010537059
## LGLZE.H.PET	0.986904808	0.227295005
## HGLZE.H.PET	0.349872490	0.262119043
## SZLGE.H.PET	0.988167972	0.228193204
## SZHGE.H.PET	0.329094832	0.025519848
## LZLGE.H.PET	0.065562061	0.114345451
## LZHGE.H.PET	-0.008361808	0.101408807
## GLNU_area.H.PET	-0.131792378	-0.175041887
## ZSNU.H.PET	-0.114161353	-0.236430147
## ZSP.H.PET	0.261240741	-0.207140505
## GLNU_norm.H.PET	0.452193337	0.744808589
## ZSNU_norm.H.PET	0.304805240	-0.201467750
## GLVAR_area.H.PET	0.258610218	0.027323011
## ZSVAR_H.PET	-0.037353825	0.070958136
## Entropy_area.H.PET	0.325689844	0.106324652
## Max_cooc.W.PET	0.660490390	0.528824008

## Average_cooc.W.PET	0.108491121	-0.292800219
## Variance_cooc.W.PET	0.048580689	-0.366616662
## Entropy_cooc.W.PET	0.265236361	-0.084775345
## DAVE_cooc.W.PET	0.153115904	-0.295868034
## DVAR_cooc.W.PET	0.049976075	-0.363142207
## DENT_cooc.W.PET	0.287554949	-0.097990109
## SAVE_cooc.W.PET	0.106472115	-0.293394458
## SVAR_cooc.W.PET	0.045485016	-0.356789095
## SENT_cooc.W.PET	0.393687488	-0.016598564
## ASM_cooc.W.PET	0.829623068	0.490936588
## Contrast_cooc.W.PET	0.051092768	-0.359931185
## Dissimilarity_cooc.W.PET	0.153115904	-0.295868034
## Inv_diff_cooc.W.PET	0.465897601	0.628051966
## Inv_diff_norm_cooc.W.PET	0.435218612	0.266205905
## IDM_cooc.W.PET	0.436296385	0.672501189
## IDM_norm_cooc.W.PET	0.433836367	0.276067154
## Inv_var_cooc.W.PET	0.461554551	0.662374860
## Correlation_cooc.W.PET	0.266328615	0.117160672
## Autocorrelation_cooc.W.PET	0.001051197	-0.352881345
## Tendency_cooc.W.PET	0.045485016	-0.356789095
## Shade_cooc.W.PET	0.045562542	-0.200051779
## Prominence_cooc.W.PET	0.016311848	-0.189526017
## IC1_d.W.PET	0.448316959	0.034955424
## IC2_d.W.PET	0.399859063	0.107516789
## Coarseness_vdif.W.PET	0.871508712	0.553883903
## Contrast_vdif.W.PET	0.300694559	-0.144999552
## Busyness_vdif.W.PET	-0.111367684	0.323070541
## Complexity_vdif.W.PET	0.022655034	-0.304873997
## Strength_vdif.W.PET	0.232410362	-0.176626157
## SRE_align.W.PET	0.433305801	0.228626229
## LRE_align.W.PET	0.394036447	0.481770385
## GLNU_align.W.PET	-0.130250791	-0.096574016
## RLNU_align.W.PET	-0.115441217	-0.210893342
## RP_align.W.PET	0.430929106	0.213924668
## LGRE_align.W.PET	0.440345920	0.539572011
## HGRE_align.W.PET	-0.007080573	-0.354160068
## LGSRE_align.W.PET	0.468844277	0.536615391
## HGSRE_align.W.PET	-0.007808485	-0.355966441
## LGHRE_align.W.PET	0.311300909	0.479194727
## HGLRE_align.W.PET	-0.004632150	-0.345747499
## GLNU_norm_align.W.PET	0.565196337	0.652090838
## RLNU_norm_align.W.PET	0.418677987	0.149568866
## GLVAR_align.W.PET	0.033957992	-0.368404684
## RLVAR_align.W.PET	0.340757278	0.498664707
## Entropy_align.W.PET	0.290787292	-0.006689903
## SZSE.W.PET	0.418424575	0.131767891
## LZSE.W.PET	0.106089634	0.410588476
## LGLZE.W.PET	0.456386723	0.575254618
## HGLZE.W.PET	-0.004787410	-0.357933741
## SZLGE.W.PET	0.537547738	0.536574289
## SZHGE.W.PET	-0.005500801	-0.359684122
## LZLGE.W.PET	0.050536661	0.155186172
## LZHGE.W.PET	0.024606038	-0.170135809
## GLNU_area.W.PET	-0.130851126	-0.129897609

## ZSNU.W.PET	-0.112415427	-0.223569493
## ZSP.W.PET	0.363401829	-0.004820836
## GLNU_norm.W.PET	0.573291200	0.712247960
## ZSNU_norm.W.PET	0.370818050	-0.010384730
## GLVAR_area.W.PET	0.039218506	-0.369283815
## ZSVAR.W.PET	0.071804925	0.356603851
## Entropy_area.W.PET	0.313980154	0.064635877
## Min_hist.ADC	0.210371281	0.351340787
## Max_hist.ADC	0.328635380	0.210931630
## Mean_hist.ADC	0.348763460	0.304522286
## Variance_hist.ADC	0.242351545	0.125882138
## Standard_Deviation_hist.ADC	0.326752016	0.199664276
## Skewness_hist.ADC	0.111673785	0.111071558
## Kurtosis_hist.ADC	0.099714023	-0.043172581
## Energy_hist.ADC	0.991857603	0.291438913
## Entropy_hist.ADC	0.351991300	0.173003708
## AUC_hist.ADC	0.443819558	0.278680183
## Volume.ADC	-0.196310523	-0.117674452
## X3D_surface.ADC	0.055479598	-0.104992974
## ratio_3ds_vol.ADC	0.488377359	0.459044513
## ratio_3ds_vol_norm.ADC	0.336806148	0.227601747
## irregularity.ADC	0.451368901	0.354990380
## Compactness_v1.ADC	0.932047228	0.326162588
##	Busyness_vdif.H.PET	Complexity_vdif.H.PET
## Failure	-0.114955042	0.107217255
## Entropy_cooc.W.ADC	-0.046933802	0.021462667
## GLNU_align.H.PET	-0.061889402	-0.015371068
## Min_hist.PET	0.091467174	0.368003222
## Max_hist.PET	0.148883946	0.299780405
## Mean_hist.PET	0.103644179	0.351668165
## Variance_hist.PET	0.023579899	0.143895111
## Standard_Deviation_hist.PET	0.095553523	0.347868487
## Skewness_hist.PET	0.073386068	0.275683564
## Kurtosis_hist.PET	0.015530070	0.054774429
## Energy_hist.PET	-0.418496666	0.690768406
## Entropy_hist.PET	0.291325033	0.458393214
## AUC_hist.PET	0.124706056	0.665831159
## H_suv.PET	0.035338983	0.519420422
## Volume.PET	0.679369641	-0.162066262
## X3D_surface.PET	0.121994346	0.071655187
## ratio_3ds_vol.PET	-0.459470167	0.791798778
## ratio_3ds_vol_norm.PET	-0.405315205	0.698482845
## irregularity.PET	0.051590906	0.673207280
## tumor_length.PET	0.031422570	0.350287229
## Compactness_v1.PET	-0.131580642	0.514960291
## Compactness_v2.PET	0.591149708	-0.397594218
## Spherical_disproportion.PET	-0.405315205	0.698482845
## Sphericity.PET	0.728696218	-0.435262920
## Asphericity.PET	-0.417351185	0.690205421
## Center_of_mass.PET	0.143921237	0.087269997
## Max_3D_diam.PET	0.620339345	-0.152611368
## Major_axis_length.PET	0.447469573	0.001856122
## Minor_axis_length.PET	0.390734857	0.195773200
## Least_axis_length.PET	0.482566071	0.053867739

## Elongation.PET	-0.030609185	0.703093840
## Flatness.PET	0.078777542	0.564366975
## Max_cooc.L.PET	-0.394982041	0.670968680
## Average_cooc.L.PET	-0.022929893	0.671077655
## Variance_cooc.L.PET	-0.139153742	0.622161465
## Entropy_cooc.L.PET	0.156138547	0.629697294
## DAVE_cooc.L.PET	-0.060085588	0.714929488
## DVAR_cooc.L.PET	-0.132360782	0.706307450
## DENT_cooc.L.PET	0.084852975	0.700675906
## SAVE_cooc.L.PET	-0.022438084	0.670542132
## SVAR_cooc.L.PET	-0.125924503	0.551648169
## SENT_cooc.L.PET	0.015765910	0.754811053
## ASM_cooc.L.PET	-0.400863975	0.665081566
## Contrast_cooc.L.PET	-0.141317897	0.650248031
## Dissimilarity_cooc.L.PET	-0.060085588	0.714929488
## Inv_diff_cooc.L.PET	0.115510552	0.502103135
## Inv_diff_norm_cooc.L.PET	0.142319155	0.628260462
## IDM_cooc.L.PET	0.062705278	0.471594501
## IDM_norm_cooc.L.PET	0.135084546	0.642176081
## Inv_var_cooc.L.PET	0.070988792	0.467504236
## Correlation_cooc.L.PET	0.134942418	0.205274072
## Autocorrelation_cooc.L.PET	-0.120914765	0.580773484
## Tendency_cooc.L.PET	-0.125924503	0.551648169
## Shade_cooc.L.PET	-0.032197658	0.114051133
## Prominence_cooc.L.PET	-0.201670358	0.414873224
## IC1_.L.PET	0.051530553	-0.251982289
## IC2_.L.PET	-0.087932440	0.714290813
## Coarseness_vdif_.L.PET	-0.428332653	0.708396107
## Contrast_vdif_.L.PET	-0.144148059	0.384625723
## Busyness_vdif_.L.PET	0.622672286	-0.119013817
## Complexity_vdif_.L.PET	-0.148171980	0.762373620
## Strength_vdif_.L.PET	-0.250842455	0.369573527
## SRE_align.L.PET	0.113378994	0.672038110
## LRE_align.L.PET	0.143423011	0.629660236
## GLNU_align.L.PET	0.447807661	-0.104514919
## RLNU_align.L.PET	0.465380738	-0.130135322
## RP_align.L.PET	0.110932895	0.674721994
## LGRE_align.L.PET	-0.118647010	0.533671835
## HGRE_align.L.PET	-0.101622753	0.612728455
## LGSRE_align.L.PET	-0.125272354	0.545045979
## HGSRE_align.L.PET	-0.103787424	0.614577934
## LGHRE_align.L.PET	-0.093147559	0.486741514
## HGLRE_align.L.PET	-0.092829108	0.603638982
## GLNU_norm_align.L.PET	-0.237411669	0.693877019
## RLNU_norm_align.L.PET	0.101744219	0.683982484
## GLVAR_align.L.PET	-0.128061126	0.641198935
## RLVAR_align.L.PET	-0.131834229	0.556336762
## Entropy_align.L.PET	0.147322461	0.636574290
## SZSE.L.PET	0.109110975	0.660663556
## LZSE.L.PET	0.095408229	0.430317668
## LGLZE.L.PET	-0.122058557	0.552372880
## HGLZE.L.PET	-0.100167801	0.620411792
## SZLGE.L.PET	-0.137578353	0.579991283
## SZHGE.L.PET	-0.097372505	0.617019125

## LZLGE.L.PET	-0.054782866	0.362808703
## LZHGE.L.PET	-0.092819287	0.504103845
## GLNU_area.L.PET	0.464132750	-0.111891124
## ZSNU.L.PET	0.481703891	-0.136873201
## ZSP.L.PET	0.104220053	0.672641649
## GLNU_norm.L.PET	-0.237376452	0.695231211
## ZSNU_norm.L.PET	0.084334850	0.693949411
## GLVAR_area.L.PET	-0.128698534	0.652943497
## ZSVAR.L.PET	0.011910405	0.285413017
## Entropy_area.L.PET	0.157467871	0.626054505
## Max_cooc.H.PET	-0.168001102	0.187783460
## Average_cooc.H.PET	0.098341125	0.622736419
## Variance_cooc.H.PET	0.170850623	0.620766640
## Entropy_cooc.H.PET	0.168068945	0.509887415
## DAVE_cooc.H.PET	0.129097413	0.720555146
## DVAR_cooc.H.PET	0.128544281	0.715603406
## DENT_cooc.H.PET	0.168391223	0.422080355
## SAVE_cooc.H.PET	0.127162971	0.621858586
## SVAR_cooc.H.PET	0.159638291	0.550963304
## SENT_cooc.H.PET	-0.331614132	0.868728979
## ASM_cooc.H.PET	-0.210634141	0.233582859
## Contrast_cooc.H.PET	0.109252100	0.714464995
## Dissimilarity_cooc.H.PET	0.129097413	0.720555146
## Inv_diff_cooc.H.PET	-0.015232335	0.372928057
## Inv_diff_norm_cooc.H.PET	0.113362449	0.638864427
## IDM_cooc.H.PET	-0.042006698	0.308050423
## IDM_norm_cooc.H.PET	0.118676957	0.648304991
## Inv_var_cooc_.H.PET	-0.298578994	0.669139302
## Correlation_cooc.H.PET	0.125221059	0.225761901
## Autocorrelation_cooc.H.PET	0.060136948	0.564288085
## Tendency_cooc.H.PET	0.188920821	0.514582553
## Shade_cooc.H.PET	-0.021734062	-0.378258628
## Prominence_cooc.H.PET	0.178681946	0.368581787
## IC1_d.H.PET	-0.258450527	0.345069589
## IC2_d.H.PET	0.127316383	0.358063009
## Coarseness_vdif.H.PET	-0.417298498	0.671855518
## Contrast_vdif.H.PET	-0.091160730	0.300159676
## Busyness_vdif.H.PET	1.000000000	-0.428872514
## Complexity_vdif.H.PET	-0.428872514	1.000000000
## Strength_vdif.H.PET	-0.092288303	-0.008911422
## SRE_align.H.PET	0.120155381	0.688004914
## LRE_align.H.PET	0.052822485	0.302047748
## RLNU_align.H.PET	0.427472333	-0.111084520
## RP_align.H.PET	0.112637592	0.693228363
## LGRE_align.H.PET	-0.392710936	0.675464513
## HGRE_align.H.PET	0.094307095	0.562486689
## LGSRE_align.H.PET	-0.394316554	0.675083524
## HGSRE_align.H.PET	0.117895819	0.632858267
## LGHRE_align.H.PET	-0.383991032	0.675516835
## HGLRE_align.H.PET	-0.008658934	0.164179464
## GLNU_norm_align.H.PET	-0.106634069	0.344012630
## RLNU_norm_align.H.PET	0.102268427	0.688227382
## GLVAR_align.H.PET	0.175240952	0.586459479
## RLVAR_align.H.PET	-0.019186509	0.053636337

## Entropy_align.H.PET	0.191536514	0.544273228
## SZSE.H.PET	0.131004177	0.618672147
## LZSE.H.PET	-0.059940933	-0.128247114
## LGLZE.H.PET	-0.392509774	0.676385342
## HGLZE.H.PET	0.109541278	0.479878186
## SZLGE.H.PET	-0.395291747	0.674089157
## SZHGE.H.PET	0.147827958	0.540668643
## LZLGE.H.PET	-0.111972488	-0.042524175
## LZHGE.H.PET	-0.073445410	-0.124477283
## GLNU_area.H.PET	0.569020354	-0.121404130
## ZSNU.H.PET	0.371562364	-0.117343785
## ZSP.H.PET	0.111004382	0.537373305
## GLNU_norm.H.PET	-0.114210424	0.377599385
## ZSNU_norm.H.PET	0.092766494	0.567751290
## GLVAR_area.H.PET	0.171236370	0.579465433
## ZSVAR_H.PET	-0.068344800	-0.121805626
## Entropy_area.H.PET	0.202240688	0.560809597
## Max_cooc.W.PET	-0.266093992	0.340430142
## Average_cooc.W.PET	0.100431570	0.335855336
## Variance_cooc.W.PET	0.013373037	0.157924216
## Entropy_cooc.W.PET	0.178788379	0.561045893
## DAVE_cooc.W.PET	0.070763084	0.441096552
## DVAR_cooc.W.PET	0.013821111	0.230063290
## DENT_cooc.W.PET	0.144141986	0.595162006
## SAVE_cooc.W.PET	0.101289423	0.334572968
## SVAR_cooc.W.PET	0.015559199	0.112363208
## SENT_cooc.W.PET	0.072480718	0.682063201
## ASM_cooc.W.PET	-0.338120552	0.464214786
## Contrast_cooc.W.PET	0.006967940	0.262281157
## Dissimilarity_cooc.W.PET	0.070763084	0.441096552
## Inv_diff_cooc.W.PET	0.019584615	0.455531725
## Inv_diff_norm_cooc.W.PET	0.139935342	0.629127825
## IDM_cooc.W.PET	-0.017725157	0.358105058
## IDM_norm_cooc.W.PET	0.134120834	0.643236111
## Inv_var_cooc.W.PET	0.005620186	0.423431157
## Correlation_cooc.W.PET	0.137109216	0.206032374
## Autocorrelation_cooc.W.PET	0.039601699	0.118581502
## Tendency_cooc.W.PET	0.015559199	0.112363208
## Shade_cooc.W.PET	-0.031077964	-0.016812412
## Prominence_cooc.W.PET	-0.038987765	-0.040271790
## IC1_d.W.PET	-0.248041482	0.301937768
## IC2_d.W.PET	0.067726194	0.491275431
## Coarseness_vdif.W.PET	-0.403093584	0.672777721
## Contrast_vdif.W.PET	-0.120456762	0.597045730
## Busyness_vdif.W.PET	0.367481731	-0.150389484
## Complexity_vdif.W.PET	0.008022373	0.047487983
## Strength_vdif.W.PET	-0.159757697	0.299714841
## SRE_align.W.PET	0.121406814	0.679617458
## LRE_align.W.PET	0.086607459	0.494867458
## GLNU_align.W.PET	0.562413524	-0.150162668
## RLNU_align.W.PET	0.442905828	-0.118510321
## RP_align.W.PET	0.119774330	0.684194831
## LGRE_align.W.PET	-0.112319936	0.327429498
## HGRE_align.W.PET	0.052818962	0.117108582

## LGSRE_align.W.PET	-0.115842077	0.374010101
## HGSRE_align.W.PET	0.050526164	0.116298738
## LGHRE_align.W.PET	-0.100536422	0.140681727
## HGLRE_align.W.PET	0.061410380	0.119613726
## GLNU_norm_align.W.PET	-0.163241952	0.395471676
## RLNU_norm_align.W.PET	0.116486897	0.689438157
## GLVAR_align.W.PET	0.025405984	0.141434518
## RLVAR_align.W.PET	-0.076059569	0.159725399
## Entropy_align.W.PET	0.189931682	0.559553198
## SZSE.W.PET	0.132060557	0.656574413
## LZSE.W.PET	-0.090609173	-0.005114677
## LGLZE.W.PET	-0.118190573	0.365963310
## HGLZE.W.PET	0.054399220	0.117395249
## SZLGE.W.PET	-0.124830471	0.471048741
## SZHGE.W.PET	0.050405497	0.109903598
## LZLGE.W.PET	-0.085094442	-0.118007439
## LZHGE.W.PET	0.006726573	0.154545292
## GLNU_area.W.PET	0.582077266	-0.138115930
## ZSNU.W.PET	0.416333105	-0.118476265
## ZSP.W.PET	0.140462284	0.635156149
## GLNU_norm.W.PET	-0.168356744	0.427091425
## ZSNU_norm.W.PET	0.119179261	0.639630789
## GLVAR_area.W.PET	0.024047048	0.146183872
## ZSVAR.W.PET	-0.098937338	-0.057022917
## Entropy_area.W.PET	0.190801289	0.566815463
## Min_hist.ADC	-0.147707970	0.231942133
## Max_hist.ADC	0.215284611	0.506044391
## Mean_hist.ADC	0.089959558	0.556059208
## Variance_hist.ADC	0.130970601	0.264095728
## Standard_Deviation_hist.ADC	0.176486026	0.446028657
## Skewness_hist.ADC	0.164966836	0.075020622
## Kurtosis_hist.ADC	-0.034782563	0.189166167
## Energy_hist.ADC	-0.402765143	0.674269190
## Entropy_hist.ADC	0.156299073	0.593350748
## AUC_hist.ADC	0.194659848	0.637189717
## Volume.ADC	0.670446101	-0.161898334
## X3D_surface.ADC	0.464830968	0.094334002
## ratio_3ds_vol.ADC	-0.062003355	0.576180293
## ratio_3ds_vol_norm.ADC	0.349071427	0.552884890
## irregularity.ADC	0.085994238	0.674936357
## Compactness_v1.ADC	-0.353100713	0.765152950
##	Strength_vdif.H.PET	SRE_align.H.PET
## Failure	1.329307e-01	-0.010652473
## Entropy_cooc.W.ADC	-1.798139e-01	0.007116896
## GLNU_align.H.PET	-9.430769e-02	-0.064395747
## Min_hist.PET	-9.986129e-02	0.662552022
## Max_hist.PET	-1.444419e-01	0.668528817
## Mean_hist.PET	-1.247384e-01	0.665927930
## Variance_hist.PET	-1.195072e-01	0.396889829
## Standard_Deviation_hist.PET	-1.406318e-01	0.672854587
## Skewness_hist.PET	1.534563e-01	0.497504422
## Kurtosis_hist.PET	8.017796e-02	0.126507968
## Energy_hist.PET	1.656808e-01	0.428683847
## Entropy_hist.PET	-9.209662e-02	0.856057964
	LRE_align.H.PET	
	0.024200895	
	0.103058603	
	0.044281021	
	-0.087926352	
	-0.051899127	
	-0.095986857	
	-0.235183794	
	-0.085711538	
	0.426141385	
	0.159080482	
	0.309731648	
	0.543687423	

## AUC_hist.PET	3.353679e-02	0.965809194	0.647770186
## H_suv.PET	-1.126874e-01	0.705078821	-0.093557149
## Volume.PET	-1.583657e-01	0.337925155	0.146411810
## X3D_surface.PET	-1.112697e-01	0.224974347	0.097441093
## ratio_3ds_vol.PET	2.484100e-01	0.537976888	0.415343227
## ratio_3ds_vol_norm.PET	4.958079e-02	0.549000904	0.419053247
## irregularity.PET	1.046054e-01	0.933131482	0.641870606
## tumor_length.PET	-8.953245e-02	0.591064314	0.378793524
## Compactness_v1.PET	7.999232e-02	0.548340630	0.331118995
## Compactness_v2.PET	-7.974642e-02	0.258860077	0.033190655
## Spherical_disproportion.PET	4.958079e-02	0.549000904	0.419053247
## Sphericity.PET	-9.258750e-02	0.255783918	0.042510897
## Asphericity.PET	4.987724e-02	0.527292009	0.405911793
## Center_of_mass.PET	-8.824870e-02	0.365255865	0.234087648
## Max_3D_diam.PET	-1.411597e-01	0.473680448	0.214420750
## Major_axis_length.PET	-1.304085e-01	0.522680036	0.230525586
## Minor_axis_length.PET	-1.710252e-01	0.652314097	0.384455080
## Least_axis_length.PET	-1.833789e-01	0.559219940	0.297977864
## Elongation.PET	-1.651430e-02	0.823748669	0.582667781
## Flatness.PET	-4.507027e-02	0.767474921	0.523395803
## Max_cooc.L.PET	1.688201e-01	0.448811597	0.340992404
## Average_cooc.L.PET	1.203850e-02	0.799586551	0.490213122
## Variance_cooc.L.PET	1.329573e-01	0.636277650	0.396490414
## Entropy_cooc.L.PET	-2.785062e-02	0.962249700	0.609578000
## DAVE_cooc.L.PET	1.085056e-01	0.771699386	0.383556276
## DVAR_cooc.L.PET	1.397224e-01	0.705519816	0.266728877
## DENT_cooc.L.PET	4.759096e-02	0.958247029	0.582794172
## SAVE_cooc.L.PET	1.190676e-02	0.799410507	0.490049955
## SVAR_cooc.L.PET	1.106566e-01	0.617711809	0.485164960
## SENT_cooc.L.PET	3.630953e-02	0.944909375	0.643012043
## ASM_cooc.L.PET	1.186772e-01	0.425432172	0.308976284
## Contrast_cooc.L.PET	1.504543e-01	0.580041313	0.202230535
## Dissimilarity_cooc.L.PET	1.085056e-01	0.771699386	0.383556276
## Inv_diff_cooc.L.PET	-7.222840e-03	0.811177688	0.606393551
## Inv_diff_norm_cooc.L.PET	1.085404e-02	0.963210846	0.650969504
## IDM_cooc.L.PET	7.028197e-04	0.721557762	0.558578264
## IDM_norm_cooc.L.PET	1.476981e-02	0.968511755	0.648401755
## Inv_var_cooc.L.PET	-1.028451e-03	0.726345163	0.558958045
## Correlation_cooc.L.PET	-5.861020e-02	0.564697080	0.649853162
## Autocorrelation_cooc.L.PET	1.835449e-02	0.585154020	0.395302307
## Tendency_cooc.L.PET	1.106566e-01	0.617711809	0.485164960
## Shade_cooc.L.PET	1.812957e-01	0.285346120	0.326190842
## Prominence_cooc.L.PET	1.708206e-01	0.416777183	0.402778863
## IC1_.L.PET	-1.931092e-01	-0.305408143	-0.326583403
## IC2_.L.PET	1.155186e-01	0.855015249	0.636283288
## Coarseness_vdif_.L.PET	2.034257e-01	0.446402555	0.371674037
## Contrast_vdif_.L.PET	2.125039e-01	0.250690228	0.066139520
## Busyness_vdif_.L.PET	-1.383600e-01	0.329624512	0.121604046
## Complexity_vdif_.L.PET	1.473907e-01	0.744040600	0.320166619
## Strength_vdif_.L.PET	4.034215e-01	0.260497247	0.262818115
## SRE_align.L.PET	2.861977e-02	0.974372120	0.635388659
## LRE_align.L.PET	7.064760e-03	0.961752747	0.647727664
## GLNU_align.L.PET	-1.371320e-01	0.269018581	0.101419171
## RLNU_align.L.PET	-1.485706e-01	0.252389224	0.060673399

## RP_align.L.PET	2.984393e-02	0.974309851	0.635148146
## LGRE_align.L.PET	2.112116e-01	0.608830772	0.420730906
## HGRE_align.L.PET	2.645072e-02	0.614706453	0.382982222
## LGSRE_align.L.PET	2.070417e-01	0.614465876	0.420972801
## HGSRE_align.L.PET	2.960266e-02	0.613819672	0.380012806
## LGHRE_align.L.PET	2.244412e-01	0.583072836	0.417598515
## HGLRE_align.L.PET	1.329906e-02	0.616530884	0.393856201
## GLNU_norm_align.L.PET	1.556438e-01	0.650437748	0.474961364
## RLNU_norm_align.L.PET	3.427405e-02	0.973627213	0.632729147
## GLVAR_align.L.PET	8.591000e-02	0.663303217	0.412672658
## RLVAR_align.L.PET	1.606943e-02	0.610339547	0.465346884
## Entropy_align.L.PET	-2.289328e-02	0.963417995	0.619352279
## SZSE.L.PET	3.965397e-02	0.957402568	0.601889496
## LZSE.L.PET	-3.777642e-02	0.657962824	0.510465814
## LGLZE.L.PET	1.857467e-01	0.620556254	0.426925364
## HGLZE.L.PET	2.818592e-02	0.625752627	0.385322898
## SZLGE.L.PET	1.737819e-01	0.632767826	0.420866725
## SZHGE.L.PET	3.877569e-02	0.625276528	0.366157098
## LZLGE.L.PET	2.266796e-01	0.478373831	0.387476067
## LZHGE.L.PET	-2.185558e-02	0.497280456	0.371703175
## GLNU_area.L.PET	-1.372807e-01	0.272140216	0.095716783
## ZSNU.L.PET	-1.476107e-01	0.255909330	0.052768228
## ZSP.L.PET	4.342048e-02	0.962872070	0.611532678
## GLNU_norm.L.PET	1.475005e-01	0.650771837	0.475160372
## ZSNU_norm.L.PET	5.041177e-02	0.964867795	0.617876139
## GLVAR_area.L.PET	8.346797e-02	0.675399966	0.417458977
## ZSVAR.L.PET	-6.419788e-02	0.423174485	0.338040394
## Entropy_area.L.PET	-3.054712e-02	0.963442010	0.620666174
## Max_cooc.H.PET	5.160983e-01	0.129402070	0.762731091
## Average_cooc.H.PET	1.170478e-01	0.908498904	0.747161436
## Variance_cooc.H.PET	-1.646715e-01	0.918138523	0.284234505
## Entropy_cooc.H.PET	9.015916e-03	0.889990435	0.310992635
## DAVE_cooc.H.PET	-1.119860e-01	0.945032450	0.289940179
## DVAR_cooc.H.PET	-1.072011e-01	0.898076148	0.347275536
## DENT_cooc.H.PET	-1.446455e-01	0.802559547	0.361716181
## SAVE_cooc.H.PET	1.923330e-02	0.932987985	0.698637695
## SVAR_cooc.H.PET	-1.857719e-01	0.860464893	0.438325860
## SENT_cooc.H.PET	-6.822285e-02	0.762025824	0.196554819
## ASM_cooc.H.PET	6.218648e-01	0.126501866	0.719454590
## Contrast_cooc.H.PET	-1.005070e-01	0.866954868	0.192334164
## Dissimilarity_cooc.H.PET	-1.119860e-01	0.945032450	0.289940179
## Inv_diff_cooc.H.PET	2.757060e-01	0.497752613	0.928148825
## Inv_diff_norm_cooc.H.PET	5.237291e-02	0.952823303	0.689977512
## IDM_cooc.H.PET	2.973846e-01	0.378276441	0.916575189
## IDM_norm_cooc.H.PET	3.475200e-02	0.964572077	0.663040535
## Inv_var_cooc_.H.PET	5.203787e-02	0.628033652	0.248170684
## Correlation_cooc.H.PET	-8.642718e-02	0.592719983	0.586493280
## Autocorrelation_cooc.H.PET	2.111943e-01	0.817585160	0.818940677
## Tendency_cooc.H.PET	-1.846346e-01	0.863682998	0.308433673
## Shade_cooc.H.PET	1.259885e-01	-0.466711448	-0.060407834
## Prominence_cooc.H.PET	-1.886087e-01	0.687375085	0.071748887
## IC1_d.H.PET	6.869228e-02	0.018785621	-0.455692687
## IC2_d.H.PET	-8.443197e-02	0.730225638	0.590993806
## Coarseness_vdif.H.PET	1.894106e-01	0.421669821	0.299136006

## Contrast_vdif.H.PET	9.405178e-02	0.163198770	0.513180663
## Busyness_vdif.H.PET	-9.228830e-02	0.120155381	0.052822485
## Complexity_vdif.H.PET	-8.911422e-03	0.688004914	0.302047748
## Strength_vdif.H.PET	1.000000e+00	-0.023780994	0.186407575
## SRE_align.H.PET	-2.378099e-02	1.000000000	0.459393579
## LRE_align.H.PET	1.864076e-01	0.459393579	1.000000000
## RLNU_align.H.PET	-1.441935e-01	0.272999487	0.001492833
## RP_align.H.PET	-2.618685e-02	0.998608297	0.421776015
## LGRE_align.H.PET	9.665853e-02	0.454633272	0.284270736
## HGRE_align.H.PET	2.261134e-01	0.826507340	0.811041874
## LGSRE_align.H.PET	9.732262e-02	0.452382114	0.282446224
## HGSRE_align.H.PET	1.438215e-01	0.930791947	0.643901818
## LGHRE_align.H.PET	9.355863e-02	0.463993217	0.302990993
## HGLRE_align.H.PET	3.638754e-01	0.236440226	0.924049577
## GLNU_norm_align.H.PET	3.894454e-01	0.338612116	0.830589023
## RLNU_norm_align.H.PET	-4.953593e-02	0.980384431	0.299284909
## GLVAR_align.H.PET	-1.749380e-01	0.889200438	0.253936879
## RLVAR_align.H.PET	1.758009e-01	0.073324239	0.863323132
## Entropy_align.H.PET	-1.081864e-01	0.938950352	0.403172454
## SZSE.H.PET	-5.759485e-02	0.935317777	0.252408094
## LZSE.H.PET	1.521621e-01	-0.173662167	0.491455292
## LGLZE.H.PET	9.522621e-02	0.456023920	0.282603052
## HGLZE.H.PET	1.837008e-01	0.792707927	0.749964172
## SZLGE.H.PET	9.778247e-02	0.449392360	0.279958062
## SZHGE.H.PET	9.165882e-02	0.864283619	0.390564695
## LZLGE.H.PET	6.153083e-02	-0.128782132	0.556807619
## LZHGE.H.PET	3.066437e-01	-0.182898735	0.552543435
## GLNU_area.H.PET	-1.497640e-01	0.288054619	0.079565206
## ZSNU.H.PET	-1.301791e-01	0.262436807	-0.070028732
## ZSP.H.PET	-9.837529e-02	0.812292088	-0.040462842
## GLNU_norm.H.PET	2.389341e-01	0.350561626	0.836206201
## ZSNU_norm.H.PET	-7.602344e-02	0.845181172	0.066688364
## GLVAR_area.H.PET	-1.786591e-01	0.871042580	0.230520843
## ZSVAR.H.PET	1.487688e-01	-0.182094329	0.529609781
## Entropy_area.H.PET	-8.035814e-02	0.949512258	0.526291205
## Max_cooc.W.PET	6.207129e-01	0.209134918	0.653553284
## Average_cooc.W.PET	-1.473349e-01	0.656742053	-0.078426449
## Variance_cooc.W.PET	-1.108384e-01	0.397404700	-0.236920205
## Entropy_cooc.W.PET	-1.281965e-01	0.936123375	0.252592749
## DAVE_cooc.W.PET	-1.169849e-01	0.701541445	-0.116520367
## DVAR_cooc.W.PET	-1.049033e-01	0.444420927	-0.254192785
## DENT_cooc.W.PET	-9.645607e-02	0.934480141	0.205239186
## SAVE_cooc.W.PET	-1.475951e-01	0.656040673	-0.079053867
## SVAR_cooc.W.PET	-1.099208e-01	0.360008909	-0.218239034
## SENT_cooc.W.PET	-9.552447e-02	0.953311588	0.339916136
## ASM_cooc.W.PET	5.360241e-01	0.272972514	0.586026620
## Contrast_cooc.W.PET	-1.034819e-01	0.459307745	-0.265049002
## Dissimilarity_cooc.W.PET	-1.169849e-01	0.701541445	-0.116520367
## Inv_diff_cooc.W.PET	1.973941e-01	0.593940612	0.908515868
## Inv_diff_norm_cooc.W.PET	1.722984e-02	0.961788796	0.656818559
## IDM_cooc.W.PET	2.373275e-01	0.435327799	0.912552653
## IDM_norm_cooc.W.PET	1.668156e-02	0.968450212	0.649234017
## Inv_var_cooc.W.PET	1.237768e-01	0.521483395	0.891639514
## Correlation_cooc.W.PET	-7.094714e-02	0.568320543	0.636069383

## Autocorrelation_cooc.W.PET	-1.316127e-01	0.389651432	-0.225446572
## Tendency_cooc.W.PET	-1.099208e-01	0.360008909	-0.218239034
## Shade_cooc.W.PET	-4.916488e-02	0.103495157	-0.140261928
## Prominence_cooc.W.PET	-5.345449e-02	0.070825198	-0.156123929
## IC1_d.W.PET	4.799850e-02	-0.033217033	-0.364753967
## IC2_d.W.PET	-3.583113e-02	0.815330344	0.579945374
## Coarseness_vdif.W.PET	2.561663e-01	0.411650418	0.359492145
## Contrast_vdif.W.PET	-2.233101e-02	0.625411163	-0.125984071
## Busyness_vdif.W.PET	4.066767e-02	0.063530829	0.667603034
## Complexity_vdif.W.PET	-1.038024e-01	0.273122941	-0.195104424
## Strength_vdif.W.PET	4.572256e-02	0.331533215	-0.083615720
## SRE_align.W.PET	-3.222541e-03	0.993000962	0.555566098
## LRE_align.W.PET	1.474572e-01	0.735203139	0.916422787
## GLNU_align.W.PET	-1.285971e-01	0.220166205	0.266310914
## RLNU_align.W.PET	-1.460165e-01	0.264090101	0.028565392
## RP_align.W.PET	-9.143538e-03	0.996369334	0.529088899
## LGRE_align.W.PET	3.639913e-01	0.341070221	0.766323664
## HGRE_align.W.PET	-1.334682e-01	0.393663068	-0.227664310
## LGSRE_align.W.PET	3.221795e-01	0.387635558	0.749110536
## HGSRE_align.W.PET	-1.316805e-01	0.390545629	-0.233297408
## LGHRE_align.W.PET	4.990324e-01	0.149267080	0.800365750
## HGLRE_align.W.PET	-1.413907e-01	0.404466860	-0.200554450
## GLNU_norm_align.W.PET	4.486226e-01	0.352772913	0.794998802
## RLNU_norm_align.W.PET	-3.022613e-02	0.999525070	0.452872911
## GLVAR_align.W.PET	-1.200975e-01	0.396394655	-0.234457315
## RLVAR_align.W.PET	2.455375e-01	0.152312352	0.894012162
## Entropy_align.W.PET	-1.090137e-01	0.948958559	0.377272783
## SZSE.W.PET	-1.792492e-02	0.979575214	0.411036640
## LZSE.W.PET	3.553755e-01	-0.057119881	0.771816267
## LGLZE.W.PET	2.893374e-01	0.360563235	0.797885488
## HGLZE.W.PET	-1.312068e-01	0.397940001	-0.227868477
## SZLGE.W.PET	2.213608e-01	0.464866403	0.742685511
## SZHGE.W.PET	-1.239854e-01	0.388243613	-0.242725348
## LZLGE.W.PET	5.809240e-01	-0.146454280	0.598643576
## LZHGE.W.PET	-1.488340e-01	0.349902573	0.068257774
## GLNU_area.W.PET	-1.476548e-01	0.258470598	0.180129482
## ZSNU.W.PET	-1.372798e-01	0.267641874	-0.023901500
## ZSP.W.PET	-7.276618e-02	0.954402649	0.234304634
## GLNU_norm.W.PET	3.261871e-01	0.369088165	0.813283224
## ZSNU_norm.W.PET	-4.900574e-02	0.949945751	0.242499483
## GLVAR_area.W.PET	-1.194025e-01	0.399613550	-0.230105088
## ZSVAR.W.PET	3.384691e-01	-0.134048035	0.703772187
## Entropy_area.W.PET	-8.397373e-02	0.956025272	0.490688935
## Min_hist.ADC	1.702139e-01	0.310315019	0.237376312
## Max_hist.ADC	-3.043899e-02	0.853458487	0.578729624
## Mean_hist.ADC	4.867713e-02	0.839492202	0.566123375
## Variance_hist.ADC	-6.833265e-02	0.413308969	0.404491384
## Standard_Deviation_hist.ADC	-4.361003e-02	0.691161593	0.539967733
## Skewness_hist.ADC	1.417986e-02	0.218552677	0.136740624
## Kurtosis_hist.ADC	-3.092202e-02	0.278161760	0.129697393
## Energy_hist.ADC	1.359141e-01	0.435798213	0.326885710
## Entropy_hist.ADC	-5.457182e-02	0.932121984	0.590661070
## AUC_hist.ADC	1.426023e-02	0.956241187	0.601257961
## Volume.ADC	-1.527031e-01	0.325698052	0.133759414

## X3D_surface.ADC	-1.327766e-01	0.427846277	0.217415080
## ratio_3ds_vol.ADC	2.010030e-01	0.621196429	0.477941497
## ratio_3ds_vol_norm.ADC	-1.655186e-02	0.920601388	0.577405877
## irregularity.ADC	7.260797e-02	0.935978797	0.618526918
## Compactness_v1.ADC	1.139584e-01	0.667163460	0.475420923
##	RLNU_align.H.PET	RP_align.H.PET	LGRE_align.H.PET
## Failure	-0.1881191924	-0.012556624	0.044948347
## Entropy_cooc.W.ADC	0.1446440410	0.002653566	-0.018512811
## GLNU_align.H.PET	0.2764805883	-0.073137403	0.049885819
## Min_hist.PET	0.4141390150	0.687472635	0.159156752
## Max_hist.PET	0.5703515639	0.688336491	0.184523154
## Mean_hist.PET	0.4732010370	0.690978467	0.167069337
## Variance_hist.PET	0.4511011714	0.424317553	0.102088544
## Standard_Deviation_hist.PET	0.4910112461	0.696646700	0.210022625
## Skewness_hist.PET	0.0090256955	0.483062133	0.273999713
## Kurtosis_hist.PET	0.0288363817	0.115599756	0.131980027
## Energy_hist.PET	-0.1450317430	0.425863881	0.971877686
## Entropy_hist.PET	0.4764376310	0.841947401	0.303349232
## AUC_hist.PET	0.2410777804	0.952941816	0.501861213
## H_suv.PET	0.3240510328	0.732529184	0.306094838
## Volume.PET	0.6860689216	0.330709996	-0.128848049
## X3D_surface.PET	0.8593812891	0.217556390	0.126476711
## ratio_3ds_vol.PET	-0.2848724296	0.534335155	0.615555522
## ratio_3ds_vol_norm.PET	0.1475315476	0.536674287	0.633744672
## irregularity.PET	0.0905436894	0.922526420	0.460105593
## tumor_length.PET	0.7030574035	0.578128221	0.348201102
## Compactness_v1.PET	0.0642371025	0.543616685	0.921636187
## Compactness_v2.PET	0.3335870682	0.259767960	-0.238668737
## Spherical_disproportion.PET	0.1475315476	0.536674287	0.633744672
## Sphericity.PET	0.3479904168	0.256149907	-0.386294193
## Asphericity.PET	0.1422747522	0.515127503	0.631652005
## Center_of_mass.PET	0.6425169355	0.357761909	0.189384993
## Max_3D_diam.PET	0.8204171827	0.465657196	-0.123025193
## Major_axis_length.PET	0.8514460858	0.516228235	0.017891200
## Minor_axis_length.PET	0.7460585519	0.637345873	0.168037962
## Least_axis_length.PET	0.8224656662	0.546735260	0.050774556
## Elongation.PET	0.0208467438	0.810234092	0.480830279
## Flatness.PET	0.1363819301	0.754563266	0.382789179
## Max_cooc.L.PET	-0.0903637388	0.443056242	0.986688737
## Average_cooc.L.PET	0.0381132352	0.797971616	0.373964370
## Variance_cooc.L.PET	-0.2298658545	0.639151033	0.306672963
## Entropy_cooc.L.PET	0.2560426392	0.951551373	0.388213077
## DAVE_cooc.L.PET	-0.1394212379	0.777362159	0.357753872
## DVAR_cooc.L.PET	-0.1316824696	0.716155077	0.394233364
## DENT_cooc.L.PET	0.1209849010	0.952085505	0.419783456
## SAVE_cooc.L.PET	0.0382323177	0.797800634	0.372894827
## SVAR_cooc.L.PET	-0.1849113366	0.613785766	0.288524588
## SENT_cooc.L.PET	0.1550086905	0.933871126	0.501870322
## ASM_cooc.L.PET	-0.0799704203	0.420414161	0.993419773
## Contrast_cooc.L.PET	-0.2703129657	0.593328256	0.293931545
## Dissimilarity_cooc.L.PET	-0.1394212379	0.777362159	0.357753872
## Inv_diff_cooc.L.PET	0.3895232693	0.791889691	0.547895328
## Inv_diff_norm_cooc.L.PET	0.2824863326	0.949170530	0.462758564
## IDM_cooc.L.PET	0.3776518177	0.702235347	0.600793440

## IDM_norm_cooc.L.PET	0.2623736426	0.955286196	0.460443416
## Inv_var_cooc.L.PET	0.3820954465	0.706579527	0.598897330
## Correlation_cooc.L.PET	0.4009208948	0.535515932	0.310570117
## Autocorrelation_cooc.L.PET	-0.0897753574	0.585453358	0.311386515
## Tendency_cooc.L.PET	-0.1849113366	0.613785766	0.288524588
## Shade_cooc.L.PET	-0.1627345646	0.277916544	0.086745822
## Prominence_cooc.L.PET	-0.3209758029	0.412882945	0.211462037
## IC1_.L.PET	0.2515226392	-0.305093618	0.080649776
## IC2_.L.PET	-0.0108184498	0.845239347	0.513431917
## Coarseness_vdif_.L.PET	-0.2435101588	0.443587241	0.902802131
## Contrast_vdif_.L.PET	-0.2337702209	0.262077616	0.197396229
## Busyness_vdif_.L.PET	0.9068345598	0.322593416	-0.024307771
## Complexity_vdif_.L.PET	-0.1568353965	0.752170843	0.417218399
## Strength_vdif_.L.PET	-0.3913951396	0.262480307	0.262442809
## SRE_align.L.PET	0.2183774585	0.963018005	0.466342305
## LRE_align.L.PET	0.2884224385	0.948301865	0.449102777
## GLNU_align.L.PET	0.9385562442	0.261286775	-0.010081092
## RLNU_align.L.PET	0.9852747142	0.247349202	-0.057940402
## RP_align.L.PET	0.2136331994	0.963120604	0.466402449
## LGRE_align.L.PET	-0.0007383310	0.597121103	0.632702317
## HGRE_align.L.PET	-0.0782741801	0.617386071	0.323408262
## LGSRE_align.L.PET	-0.0054589074	0.602995991	0.643436658
## HGSRE_align.L.PET	-0.0860312699	0.616729221	0.324201900
## LGHRE_align.L.PET	0.0186565316	0.570426307	0.588738581
## HGLRE_align.L.PET	-0.0457598487	0.618290194	0.318926015
## GLNU_norm_align.L.PET	0.0114318667	0.640118052	0.891023792
## RLNU_norm_align.L.PET	0.1968906651	0.963018714	0.467405395
## GLVAR_align.L.PET	-0.1829943265	0.665445674	0.318041314
## RLVAR_align.L.PET	0.2710969018	0.594942046	0.828204081
## Entropy_align.L.PET	0.2634358843	0.952503217	0.402481800
## SZSE.L.PET	0.1917167291	0.946874601	0.471507443
## LZSE.L.PET	0.2970640965	0.646236948	0.281279440
## LGLZE.L.PET	-0.0001390389	0.608817799	0.646030273
## HGLZE.L.PET	-0.0796038899	0.628695182	0.325949400
## SZLGE.L.PET	-0.0171948677	0.621765374	0.678655228
## SZHGE.L.PET	-0.0973643334	0.628736065	0.332303695
## LZLGE.L.PET	0.0715059142	0.464772284	0.449961135
## LZHGE.L.PET	0.0198382008	0.497816015	0.236764895
## GLNU_area.L.PET	0.9489240615	0.264565110	-0.016208893
## ZSNU.L.PET	0.9824754803	0.251261308	-0.067167067
## ZSP.L.PET	0.1776185942	0.952933138	0.468674180
## GLNU_norm.L.PET	0.0137751243	0.640376215	0.895029078
## ZSNU_norm.L.PET	0.1555866973	0.956241062	0.469418335
## GLVAR_area.L.PET	-0.1816544474	0.677765045	0.326907745
## ZSVAR.L.PET	0.3513961114	0.409473130	0.342911320
## Entropy_area.L.PET	0.2872987447	0.951725789	0.400486238
## Max_cooc.H.PET	-0.2863947855	0.098102342	0.355202026
## Average_cooc.H.PET	0.1212271124	0.889945580	0.422597342
## Variance_cooc.H.PET	0.4174557647	0.923708786	0.359150497
## Entropy_cooc.H.PET	0.2872176768	0.893071732	0.299192623
## DAVE_cooc.H.PET	0.2179175050	0.953536954	0.378619521
## DVAR_cooc.H.PET	0.1983054199	0.904264202	0.391642534
## DENT_cooc.H.PET	0.3866614467	0.799605370	0.224557105
## SAVE_cooc.H.PET	0.1698144218	0.916839061	0.410509705

## SVAR_cooc.H.PET	0.4423253605	0.855801579	0.361365402
## SENT_cooc.H.PET	0.1761787589	0.771628644	0.623999756
## ASM_cooc.H.PET	-0.2531409940	0.098477830	0.453789966
## Contrast_cooc.H.PET	0.1751837104	0.881378942	0.353406384
## Dissimilarity_cooc.H.PET	0.2179175050	0.953536954	0.378619521
## Inv_diff_cooc.H.PET	-0.0517659272	0.459650198	0.425626326
## Inv_diff_norm_cooc.H.PET	0.2267401319	0.937515134	0.469983494
## IDM_cooc.H.PET	-0.1154491636	0.338098036	0.392160944
## IDM_norm_cooc.H.PET	0.2339069785	0.950925903	0.464351371
## Inv_var_cooc_.H.PET	0.1567867352	0.630221877	0.907477121
## Correlation_cooc.H.PET	0.4414527514	0.567481362	0.318587476
## Autocorrelation_cooc.H.PET	0.0464877454	0.793300279	0.409852412
## Tendency_cooc.H.PET	0.5110369783	0.863973594	0.330008853
## Shade_cooc.H.PET	-0.2470898337	-0.470160116	-0.215918789
## Prominence_cooc.H.PET	0.5963325882	0.696399907	0.233555437
## IC1_d.H.PET	-0.2231061562	0.049404757	0.388721614
## IC2_d.H.PET	0.4205183781	0.710125839	0.374637371
## Coarseness_vdif.H.PET	-0.1127723161	0.418434220	0.988802129
## Contrast_vdif.H.PET	-0.2206063304	0.145860816	0.229744893
## Busyness_vdif.H.PET	0.4274723328	0.112637592	-0.392710936
## Complexity_vdif.H.PET	-0.1110845205	0.693228363	0.675464513
## Strength_vdif.H.PET	-0.1441934708	-0.026186851	0.096658534
## SRE_align.H.PET	0.2729994874	0.998608297	0.454633272
## LRE_align.H.PET	0.0014928326	0.421776015	0.284270736
## RLNU_align.H.PET	1.0000000000	0.273753591	-0.039950275
## RP_align.H.PET	0.2737535905	1.0000000000	0.451985244
## LGRE_align.H.PET	-0.0399502749	0.451985244	1.0000000000
## HGRE_align.H.PET	0.0727643896	0.804184662	0.405694424
## LGSRE_align.H.PET	-0.0425192155	0.449809817	0.999989793
## HGSRE_align.H.PET	0.1318766777	0.919441466	0.417104172
## LGHRE_align.H.PET	-0.0277896830	0.460370704	0.999531929
## HGLRE_align.H.PET	-0.0979182453	0.196638892	0.206032543
## GLNU_norm_align.H.PET	-0.2596807688	0.304590789	0.397523443
## RLNU_norm_align.H.PET	0.2880705147	0.988754417	0.432360840
## GLVAR_align.H.PET	0.4417477211	0.895263188	0.341380801
## RLVAR_align.H.PET	-0.1093308932	0.029112868	0.169898547
## Entropy_align.H.PET	0.4587435547	0.938335117	0.352238102
## SZSE.H.PET	0.3262378995	0.944083503	0.407315601
## LZSE.H.PET	-0.1008819993	-0.188996950	-0.079642106
## LGLZE.H.PET	-0.0385182570	0.453513069	0.999798048
## HGLZE.H.PET	0.1422923559	0.771795352	0.343977867
## SZLGE.H.PET	-0.0458121270	0.446923010	0.999786339
## SZHGE.H.PET	0.1758664164	0.865542679	0.333114665
## LZLGE.H.PET	-0.1103226513	-0.149429215	0.053530450
## LZHGE.H.PET	-0.1220539853	-0.200923228	-0.040883975
## GLNU_area.H.PET	0.9463379270	0.281125745	-0.069067102
## ZSNU.H.PET	0.9754552745	0.269512893	-0.040631869
## ZSP.H.PET	0.3341333227	0.836721229	0.309578846
## GLNU_norm.H.PET	-0.2505175502	0.315941637	0.404316730
## ZSNU_norm.H.PET	0.3338664659	0.865108239	0.352127205
## GLVAR_area.H.PET	0.4318873153	0.877815371	0.331119695
## ZSVAR_H.PET	-0.1134631346	-0.199483573	-0.058258786
## Entropy_area.H.PET	0.4084792761	0.939849030	0.380140883
## Max_cooc.W.PET	-0.2521605761	0.186358698	0.592210809

## Average_cooc.W.PET	0.5090587121	0.679906444	0.192975112
## Variance_cooc.W.PET	0.4146141612	0.425344482	0.107787005
## Entropy_cooc.W.PET	0.4391286874	0.944362781	0.327494259
## DAVE_cooc.W.PET	0.3548978806	0.730282843	0.211270094
## DVAR_cooc.W.PET	0.3281664548	0.476267563	0.109007414
## DENT_cooc.W.PET	0.3710093451	0.946862969	0.339928397
## SAVE_cooc.W.PET	0.5093424174	0.679219689	0.190976005
## SVAR_cooc.W.PET	0.4426015706	0.384860433	0.103867055
## SENT_cooc.W.PET	0.3737147007	0.957372694	0.444655749
## ASM_cooc.W.PET	-0.2015280577	0.254446536	0.778886433
## Contrast_cooc.W.PET	0.3044097709	0.492844165	0.107170395
## Dissimilarity_cooc.W.PET	0.3548978806	0.730282843	0.211270094
## Inv_diff_cooc.W.PET	-0.0321086756	0.557651241	0.445294903
## Inv_diff_norm_cooc.W.PET	0.2779795774	0.947498613	0.464147237
## IDM_cooc.W.PET	-0.1055606391	0.395661250	0.405158434
## IDM_norm_cooc.W.PET	0.2609107084	0.955206959	0.461238200
## Inv_var_cooc.W.PET	-0.0649957643	0.482726428	0.442384551
## Correlation_cooc.W.PET	0.4079258357	0.539783630	0.309809474
## Autocorrelation_cooc.W.PET	0.4993801190	0.415870215	0.085084119
## Tendency_cooc.W.PET	0.4426015706	0.384860433	0.103867055
## Shade_cooc.W.PET	0.2228747706	0.115652740	0.065561028
## Prominence_cooc.W.PET	0.2259464523	0.083310994	0.043349329
## IC1_d.W.PET	-0.1688655726	-0.011880393	0.445013546
## IC2_d.W.PET	0.3238318905	0.801616527	0.434499023
## Coarseness_vdif.W.PET	-0.2621813757	0.410312745	0.825665130
## Contrast_vdif.W.PET	0.0155811321	0.657414411	0.313937381
## Busyness_vdif.W.PET	0.1331723775	0.024322212	-0.124087424
## Complexity_vdif.W.PET	0.4622997587	0.293791979	0.084512501
## Strength_vdif.W.PET	-0.1262989675	0.349453957	0.200780011
## SRE_align.W.PET	0.2548611284	0.986119684	0.462006655
## LRE_align.W.PET	0.1037627074	0.704297974	0.394244389
## GLNU_align.W.PET	0.8094599701	0.198735355	-0.080664331
## RLNU_align.W.PET	0.9966903382	0.262111937	-0.044413541
## RP_align.W.PET	0.2595057227	0.991195996	0.460662438
## LGRE_align.W.PET	-0.2814455253	0.308947989	0.367564136
## HGRE_align.W.PET	0.5046399804	0.420141374	0.076984279
## LGSRE_align.W.PET	-0.2765833288	0.356734581	0.398724739
## HGSRE_align.W.PET	0.4983546719	0.417415021	0.075295432
## LGHRE_align.W.PET	-0.2785008958	0.114868647	0.234052947
## HGLRE_align.W.PET	0.5298703951	0.429041890	0.083370078
## GLNU_norm_align.W.PET	-0.2619467342	0.322024021	0.502154825
## RLNU_norm_align.W.PET	0.2758160173	0.998884687	0.452291470
## GLVAR_align.W.PET	0.4525781740	0.423708291	0.100083352
## RLVAR_align.W.PET	-0.1236703266	0.110029588	0.312287757
## Entropy_align.W.PET	0.4506689104	0.950104242	0.352744536
## SZSE.W.PET	0.2847851774	0.979980167	0.451293967
## LZSE.W.PET	-0.1608593975	-0.087021066	0.065847755
## LGLZE.W.PET	-0.2752221478	0.326926205	0.392911206
## HGLZE.W.PET	0.5012280213	0.424561487	0.077898532
## SZLGE.W.PET	-0.2469534127	0.435564781	0.482992936
## SZHGE.W.PET	0.4821326080	0.415657664	0.073640405
## LZLGE.W.PET	-0.1683654952	-0.166126121	-0.009801465
## LZHGE.W.PET	0.4689940814	0.358427264	0.110077304
## GLNU_area.W.PET	0.8793698715	0.243102529	-0.074495381

## ZSNU.W.PET	0.9961614699	0.270208116	-0.040447015
## ZSP.W.PET	0.3263154716	0.964572314	0.404922682
## GLNU_norm.W.PET	-0.2591214748	0.337687448	0.520482450
## ZSNU_norm.W.PET	0.3236020135	0.961335119	0.410514139
## GLVAR_area.W.PET	0.4478077106	0.426668130	0.105241331
## ZSVAR.W.PET	-0.1699347170	-0.161009175	0.032199727
## Entropy_area.W.PET	0.4200898280	0.950004421	0.370607405
## Min_hist.ADC	-0.0854380944	0.309570422	0.204353416
## Max_hist.ADC	0.2899517531	0.840079939	0.357678155
## Mean_hist.ADC	0.1476362386	0.828768295	0.356518877
## Variance_hist.ADC	0.2498996396	0.400914616	0.260588555
## Standard_Deviation_hist.ADC	0.2712292703	0.677650934	0.348688325
## Skewness_hist.ADC	0.1724519633	0.214539299	0.144955652
## Kurtosis_hist.ADC	0.1365281325	0.274874390	0.112543619
## Energy_hist.ADC	-0.0958390261	0.430693764	0.987513514
## Entropy_hist.ADC	0.3086834435	0.920040215	0.389535780
## AUC_hist.ADC	0.2755823580	0.945307695	0.474626872
## Volume.ADC	0.6682972839	0.319023208	-0.136339763
## X3D_surface.ADC	0.4667409229	0.418942806	0.103735203
## ratio_3ds_vol.ADC	-0.0697154605	0.615893089	0.466251343
## ratio_3ds_vol_norm.ADC	0.3340139053	0.908617999	0.367040171
## irregularity.ADC	0.1619204905	0.926793496	0.466277241
## Compactness_v1.ADC	-0.0274479993	0.659426856	0.936189621
##	HGRE_align.H.PET	LGSRE_align.H.PET	
## Failure	0.0438000434	0.045531832	
## Entropy_cooc.W.ADC	0.0021573817	-0.019313435	
## GLNU_align.H.PET	-0.0687341246	0.049189633	
## Min_hist.PET	0.2717151410	0.157877841	
## Max_hist.PET	0.2693529261	0.182439961	
## Mean_hist.PET	0.2508580187	0.165384323	
## Variance_hist.PET	0.0070113547	0.100812985	
## Standard_Deviation_hist.PET	0.2472334507	0.208102873	
## Skewness_hist.PET	0.5984659204	0.273595711	
## Kurtosis_hist.PET	0.2125278497	0.132088834	
## Energy_hist.PET	0.4445759359	0.972332278	
## Entropy_hist.PET	0.7463253512	0.300441618	
## AUC_hist.PET	0.9227577604	0.499477571	
## H_suv.PET	0.2834261871	0.304802526	
## Volume.PET	0.2260919817	-0.131244176	
## X3D_surface.PET	0.1093284144	0.124393902	
## ratio_3ds_vol.PET	0.6407943167	0.615707388	
## ratio_3ds_vol_norm.PET	0.5406112104	0.632470185	
## irregularity.PET	0.9432028689	0.458195577	
## tumor_length.PET	0.4657472183	0.345347214	
## Compactness_v1.PET	0.4940817731	0.921273637	
## Compactness_v2.PET	0.1639492274	-0.240087238	
## Spherical_disproportion.PET	0.5406112104	0.632470185	
## Sphericity.PET	0.1717500896	-0.387837875	
## Asphericity.PET	0.5204474958	0.630435560	
## Center_of_mass.PET	0.2668603924	0.186930279	
## Max_3D_diam.PET	0.3242738635	-0.126120079	
## Major_axis_length.PET	0.3565339661	0.014874318	
## Minor_axis_length.PET	0.5042547559	0.164742363	
## Least_axis_length.PET	0.3889477297	0.047384557	

## Elongation.PET	0.7973338776	0.479060422
## Flatness.PET	0.6999948309	0.380635993
## Max_cooc.L.PET	0.4606519177	0.986875183
## Average_cooc.L.PET	0.7407040252	0.372109870
## Variance_cooc.L.PET	0.6597866061	0.306511159
## Entropy_cooc.L.PET	0.8778471500	0.385670674
## DAVE_cooc.L.PET	0.7274660478	0.357384681
## DVAR_cooc.L.PET	0.6366550486	0.394298797
## DENT_cooc.L.PET	0.9012298394	0.417899257
## SAVE_cooc.L.PET	0.7405211323	0.371039237
## SVAR_cooc.L.PET	0.6793800552	0.287890684
## SENT_cooc.L.PET	0.9068703596	0.499677221
## ASM_cooc.L.PET	0.4155327339	0.993646232
## Contrast_cooc.L.PET	0.5397887451	0.294541201
## Dissimilarity_cooc.L.PET	0.7274660478	0.357384681
## Inv_diff_cooc.L.PET	0.7696753194	0.545089884
## Inv_diff_norm_cooc.L.PET	0.9121301782	0.460122016
## IDM_cooc.L.PET	0.6872766996	0.598233880
## IDM_norm_cooc.L.PET	0.9174700228	0.457886016
## Inv_var_cooc.L.PET	0.6914918608	0.596335466
## Correlation_cooc.L.PET	0.6200821445	0.307260723
## Autocorrelation_cooc.L.PET	0.5682344769	0.310022520
## Tendency_cooc.L.PET	0.6793800552	0.287890684
## Shade_cooc.L.PET	0.4143268018	0.087032496
## Prominence_cooc.L.PET	0.5439205300	0.211689995
## IC1_.L.PET	-0.4848956904	0.081047226
## IC2_.L.PET	0.8914455419	0.511780802
## Coarseness_vdif_.L.PET	0.5231127547	0.903250688
## Contrast_vdif_.L.PET	0.2869889563	0.198362107
## Busyness_vdif_.L.PET	0.1957654479	-0.026710619
## Complexity_vdif_.L.PET	0.6893008382	0.417314079
## Strength_vdif_.L.PET	0.4576144251	0.263512658
## SRE_align.L.PET	0.9232740427	0.463994262
## LRE_align.L.PET	0.9067567890	0.446420613
## GLNU_align.L.PET	0.1373812065	-0.012730932
## RLNU_align.L.PET	0.0923620824	-0.060689242
## RP_align.L.PET	0.9237066934	0.464071173
## LGRE_align.L.PET	0.6379429348	0.632602968
## HGRE_align.L.PET	0.5873661418	0.322111464
## LGSRE_align.L.PET	0.6410991490	0.643358464
## HGSRE_align.L.PET	0.5877931621	0.322952930
## LGHRE_align.L.PET	0.6214040222	0.588550524
## HGLRE_align.L.PET	0.5835654297	0.317434898
## GLNU_norm_align.L.PET	0.6671761488	0.890503967
## RLNU_norm_align.L.PET	0.9242151549	0.465139434
## GLVAR_align.L.PET	0.6631491887	0.317571793
## RLVAR_align.L.PET	0.5626345870	0.826476937
## Entropy_align.L.PET	0.8853419479	0.399854048
## SZSE.L.PET	0.9069869427	0.469414603
## LZSE.L.PET	0.6113462729	0.278635243
## LGLZE.L.PET	0.6453324775	0.645895224
## HGLZE.L.PET	0.5964158995	0.324646973
## SZLGE.L.PET	0.6516522495	0.678613392
## SZHGE.L.PET	0.5972032594	0.331189151

## LZLGE.L.PET	0.5273001473	0.449473914
## LZHGE.L.PET	0.4621435704	0.234967139
## GLNU_area.L.PET	0.1376278213	-0.018846190
## ZSNU.L.PET	0.0931865302	-0.069866210
## ZSP.L.PET	0.9160334601	0.466589138
## GLNU_norm.L.PET	0.6653206374	0.894499390
## ZSNU_norm.L.PET	0.9184476646	0.467338120
## GLVAR_area.L.PET	0.6717760323	0.326404192
## ZSVAR.L.PET	0.3582507467	0.340620849
## Entropy_area.L.PET	0.8820613617	0.397773159
## Max_cooc.H.PET	0.6278452199	0.355475053
## Average_cooc.H.PET	0.9788045918	0.420484133
## Variance_cooc.H.PET	0.6203262314	0.356287030
## Entropy_cooc.H.PET	0.6664692310	0.297180758
## DAVE_cooc.H.PET	0.6892845656	0.376842582
## DVAR_cooc.H.PET	0.6987941392	0.389828281
## DENT_cooc.H.PET	0.6137223182	0.222309323
## SAVE_cooc.H.PET	0.9374893035	0.408176664
## SVAR_cooc.H.PET	0.6520717744	0.358180820
## SENT_cooc.H.PET	0.4826615420	0.622566735
## ASM_cooc.H.PET	0.5933750812	0.454054390
## Contrast_cooc.H.PET	0.5883775498	0.352020208
## Dissimilarity_cooc.H.PET	0.6892845656	0.376842582
## Inv_diff_cooc.H.PET	0.8741687593	0.424114774
## Inv_diff_norm_cooc.H.PET	0.9425975347	0.467518392
## IDM_cooc.H.PET	0.8078991689	0.390972234
## IDM_norm_cooc.H.PET	0.9314027008	0.461891366
## Inv_var_cooc.H.PET	0.4619947210	0.906768295
## Correlation_cooc.H.PET	0.5896071772	0.315116718
## Autocorrelation_cooc.H.PET	0.9888333265	0.407970815
## Tendency_cooc.H.PET	0.5820937349	0.326603211
## Shade_cooc.H.PET	-0.1995364591	-0.213173050
## Prominence_cooc.H.PET	0.3166941688	0.230137546
## IC1_d.H.PET	-0.1876354954	0.391373238
## IC2_d.H.PET	0.6789293659	0.371258201
## Coarseness_vdif.H.PET	0.4181939838	0.989158195
## Contrast_vdif.H.PET	0.4920653985	0.229603422
## Busyness_vdif.H.PET	0.0943070951	-0.394316554
## Complexity_vdif.H.PET	0.5624866886	0.675083524
## Strength_vdif.H.PET	0.2261134112	0.097322624
## SRE_align.H.PET	0.8265073403	0.452382114
## LRE_align.H.PET	0.8110418745	0.282446224
## RLNU_align.H.PET	0.0727643896	-0.042519215
## RP_align.H.PET	0.8041846621	0.449809817
## LGRE_align.H.PET	0.4056944238	0.999989793
## HGRE_align.H.PET	1.0000000000	0.403793706
## LGSRE_align.H.PET	0.4037937062	1.0000000000
## HGSRE_align.H.PET	0.9611947598	0.415235074
## LGHRE_align.H.PET	0.4185716198	0.999399782
## HGLRE_align.H.PET	0.6784785114	0.204787905
## GLNU_norm_align.H.PET	0.7853575434	0.397342772
## RLNU_norm_align.H.PET	0.7140368674	0.430368527
## GLVAR_align.H.PET	0.5745621054	0.338412517
## RLVAR_align.H.PET	0.5097065440	0.168765994

## Entropy_align.H.PET	0.6962610182	0.349255687
## SZSE.H.PET	0.6452073356	0.405356914
## LZSE.H.PET	0.0732526683	-0.079766410
## LGLZE.H.PET	0.4044391503	0.999751794
## HGLZE.H.PET	0.9128220541	0.342167253
## SZLGE.H.PET	0.4009580106	0.999802546
## SZHGE.H.PET	0.7456692629	0.331690711
## LZLGE.H.PET	0.1377052234	0.053140967
## LZHGE.H.PET	0.1224631428	-0.040996305
## GLNU_area.H.PET	0.1388875138	-0.071749323
## ZSNU.H.PET	0.0337147825	-0.042841056
## ZSP.H.PET	0.4051960467	0.308209353
## GLNU_norm.H.PET	0.7659086850	0.403949610
## ZSNU_norm.H.PET	0.4695535711	0.350494003
## GLVAR_area.H.PET	0.5527417215	0.328216000
## ZSVAR_H.PET	0.0922084567	-0.058405530
## Entropy_area.H.PET	0.7965632943	0.377145881
## Max_cooc.W.PET	0.6043463363	0.592625550
## Average_cooc.W.PET	0.2348771907	0.190785700
## Variance_cooc.W.PET	0.0120384506	0.106649144
## Entropy_cooc.W.PET	0.6181328694	0.324938269
## DAVE_cooc.W.PET	0.2688855476	0.209957762
## DVAR_cooc.W.PET	0.0389090219	0.108164912
## DENT_cooc.W.PET	0.6057298168	0.337808376
## SAVE_cooc.W.PET	0.2341126597	0.188785576
## SVAR_cooc.W.PET	-0.0001943203	0.102609192
## SENT_cooc.W.PET	0.6819050086	0.442168052
## ASM_cooc.W.PET	0.5670535063	0.779238369
## Contrast_cooc.W.PET	0.0424916652	0.106448034
## Dissimilarity_cooc.W.PET	0.2688855476	0.209957762
## Inv_diff_cooc.W.PET	0.9133990468	0.443574773
## Inv_diff_norm_cooc.W.PET	0.9158709080	0.461520737
## IDM_cooc.W.PET	0.8350302307	0.403791015
## IDM_norm_cooc.W.PET	0.9182450398	0.458685840
## Inv_var_cooc.W.PET	0.8591958198	0.440790748
## Correlation_cooc.W.PET	0.6114417137	0.306486940
## Autocorrelation_cooc.W.PET	-0.0002817599	0.083455875
## Tendency_cooc.W.PET	-0.0001943203	0.102609192
## Shade_cooc.W.PET	-0.0606152475	0.065054033
## Prominence_cooc.W.PET	-0.0923172169	0.042816068
## IC1_d.W.PET	-0.1742211224	0.447515596
## IC2_d.W.PET	0.7361022225	0.431475014
## Coarseness_vdif.W.PET	0.5233570426	0.826214799
## Contrast_vdif.W.PET	0.2605712951	0.313924842
## Busyness_vdif.W.PET	0.4234946327	-0.125115413
## Complexity_vdif.W.PET	-0.0278873637	0.083347460
## Strength_vdif.W.PET	0.1446444698	0.201084709
## SRE_align.W.PET	0.8804571108	0.459659082
## LRE_align.W.PET	0.9460279487	0.391884415
## GLNU_align.W.PET	0.2072273344	-0.083443812
## RLNU_align.W.PET	0.0822250881	-0.047071852
## RP_align.W.PET	0.8671143827	0.458344372
## LGRE_align.W.PET	0.7519727583	0.367904975
## HGRE_align.W.PET	0.0019320457	0.075369609

## LGSRE_align.W.PET	0.7666175245	0.399063143
## HGSRE_align.W.PET	-0.0016333748	0.073727300
## LGHRE_align.W.PET	0.6429925607	0.234363878
## HGLRE_align.W.PET	0.0165515912	0.081550055
## GLNU_norm_align.W.PET	0.7748298090	0.502130935
## RLNU_norm_align.W.PET	0.8181384489	0.450054941
## GLVAR_align.W.PET	0.0071220366	0.098794182
## RLVAR_align.W.PET	0.5858537207	0.311214659
## Entropy_align.W.PET	0.6936655583	0.349857938
## SZSE.W.PET	0.7922236798	0.449220011
## LZSE.W.PET	0.3700823577	0.065309897
## LGLZE.W.PET	0.7610357029	0.393104314
## HGLZE.W.PET	0.0057239781	0.076294440
## SZLGE.W.PET	0.7805852017	0.483199104
## SZHGE.W.PET	-0.0023653624	0.072179243
## LZLGE.W.PET	0.2516963480	-0.009575857
## LZHGE.W.PET	0.0935515956	0.107521144
## GLNU_area.W.PET	0.1818214039	-0.077260734
## ZSNU.W.PET	0.0606288004	-0.042885460
## ZSP.W.PET	0.6623221707	0.402987158
## GLNU_norm.W.PET	0.7784354847	0.520322478
## ZSNU_norm.W.PET	0.6605316322	0.408590491
## GLVAR_area.W.PET	0.0113657718	0.103934149
## ZSVAR.W.PET	0.2732788307	0.031935733
## Entropy_area.W.PET	0.7688955121	0.367628111
## Min_hist.ADC	0.3875452983	0.204082133
## Max_hist.ADC	0.8134262980	0.355476335
## Mean_hist.ADC	0.8354520324	0.354785076
## Variance_hist.ADC	0.4398328978	0.259631197
## Standard_Deviation_hist.ADC	0.6852103854	0.346995147
## Skewness_hist.ADC	0.1889509279	0.143872185
## Kurtosis_hist.ADC	0.2158420221	0.111643886
## Energy_hist.ADC	0.4337944952	0.987747780
## Entropy_hist.ADC	0.8458930264	0.386905449
## AUC_hist.ADC	0.8829594949	0.472130404
## Volume.ADC	0.2234475382	-0.138621248
## X3D_surface.ADC	0.3242205556	0.101714605
## ratio_3ds_vol.ADC	0.6803544952	0.465567069
## ratio_3ds_vol_norm.ADC	0.8547199350	0.364485377
## irregularity.ADC	0.8992775458	0.464180498
## Compactness_v1.ADC	0.6486117402	0.935599479
##	HGSRE_align.H.PET	LGHRE_align.H.PET
## Failure	0.01803097	0.041018235
## Entropy_cooc.W.ADC	-0.01442263	-0.012406855
## GLNU_align.H.PET	-0.09960663	0.057206615
## Min_hist.PET	0.45648501	0.158756936
## Max_hist.PET	0.44405599	0.189140979
## Mean_hist.PET	0.43464271	0.168724871
## Variance_hist.PET	0.16581653	0.101934441
## Standard_Deviation_hist.PET	0.43060250	0.213316675
## Skewness_hist.PET	0.62021750	0.277142616
## Kurtosis_hist.PET	0.21157523	0.132128776
## Energy_hist.PET	0.44656335	0.969312117
## Entropy_hist.PET	0.79173612	0.319708249

## AUC_hist.PET	0.96410411	0.514808112
## H_suv.PET	0.47426483	0.305384974
## Volume.PET	0.26540726	-0.116507913
## X3D_surface.PET	0.12228007	0.138612706
## ratio_3ds_vol.PET	0.64750243	0.614723150
## ratio_3ds_vol_norm.PET	0.53834358	0.642447003
## irregularity.PET	0.97998546	0.469958760
## tumor_length.PET	0.48759354	0.364528889
## Compactness_v1.PET	0.51627367	0.922748325
## Compactness_v2.PET	0.21756818	-0.233493363
## Spherical_disproportion.PET	0.53834358	0.642447003
## Sphericity.PET	0.22636779	-0.380152078
## Asphericity.PET	0.51664228	0.640077573
## Center_of_mass.PET	0.28723490	0.204191950
## Max_3D_diam.PET	0.37365836	-0.107218178
## Major_axis_length.PET	0.40913499	0.033000472
## Minor_axis_length.PET	0.54251743	0.187019711
## Least_axis_length.PET	0.42702404	0.069873975
## Elongation.PET	0.82253113	0.492082446
## Flatness.PET	0.72487580	0.396060129
## Max_cooc.L.PET	0.45601630	0.985866469
## Average_cooc.L.PET	0.77183560	0.382770530
## Variance_cooc.L.PET	0.69340389	0.306201605
## Entropy_cooc.L.PET	0.92624815	0.401690828
## DAVE_cooc.L.PET	0.79959503	0.357031281
## DVAR_cooc.L.PET	0.73187779	0.390060980
## DENT_cooc.L.PET	0.95924616	0.428858547
## SAVE_cooc.L.PET	0.77166743	0.381706176
## SVAR_cooc.L.PET	0.67952452	0.292136024
## SENT_cooc.L.PET	0.94110500	0.513934654
## ASM_cooc.L.PET	0.41464351	0.992369595
## Contrast_cooc.L.PET	0.62204475	0.287039812
## Dissimilarity_cooc.L.PET	0.79959503	0.357031281
## Inv_diff_cooc.L.PET	0.78576406	0.564765634
## Inv_diff_norm_cooc.L.PET	0.95112073	0.477298356
## IDM_cooc.L.PET	0.69580971	0.616651075
## IDM_norm_cooc.L.PET	0.95830046	0.474400414
## Inv_var_cooc.L.PET	0.69991784	0.614405159
## Correlation_cooc.L.PET	0.55755288	0.333272999
## Autocorrelation_cooc.L.PET	0.56856331	0.317845385
## Tendency_cooc.L.PET	0.67952452	0.292136024
## Shade_cooc.L.PET	0.41388220	0.086438605
## Prominence_cooc.L.PET	0.52605688	0.210724992
## IC1_.L.PET	-0.46845370	0.077795475
## IC2_.L.PET	0.90807222	0.522936346
## Coarseness_vdif_.L.PET	0.51053794	0.900369114
## Contrast_vdif_.L.PET	0.33912476	0.190125419
## Busyness_vdif_.L.PET	0.24313802	-0.011680602
## Complexity_vdif_.L.PET	0.77928008	0.413515710
## Strength_vdif_.L.PET	0.45208632	0.256087391
## SRE_align.L.PET	0.96917388	0.478745899
## LRE_align.L.PET	0.94759111	0.464171667
## GLNU_align.L.PET	0.17080709	0.004300368
## RLNU_align.L.PET	0.12883116	-0.043221022

## RP_align.L.PET	0.96972931	0.478717657
## LGRE_align.L.PET	0.67090371	0.633590690
## HGRE_align.L.PET	0.60203855	0.329157136
## LGSRE_align.L.PET	0.67498415	0.644138610
## HGSRE_align.L.PET	0.60350123	0.329596008
## LGHRE_align.L.PET	0.65037199	0.590402657
## HGLRE_align.L.PET	0.59411041	0.326150303
## GLNU_norm_align.L.PET	0.68154317	0.894059787
## RLNU_norm_align.L.PET	0.97086499	0.479336057
## GLVAR_align.L.PET	0.69407739	0.319376193
## RLVAR_align.L.PET	0.56471749	0.839341795
## Entropy_align.L.PET	0.93011013	0.416559324
## SZSE.L.PET	0.95609195	0.481413216
## LZSE.L.PET	0.62755422	0.299685075
## LGLZE.L.PET	0.67964967	0.647103498
## HGLZE.L.PET	0.61458420	0.331691975
## SZLGE.L.PET	0.68885548	0.678680412
## SZHGE.L.PET	0.62150707	0.336211509
## LZLGE.L.PET	0.54283260	0.454834138
## LZHGE.L.PET	0.45559194	0.248669113
## GLNU_area.L.PET	0.17250452	-0.002190746
## ZSNU.L.PET	0.13189340	-0.053116919
## ZSP.L.PET	0.96486066	0.478813653
## GLNU_norm.L.PET	0.67960282	0.898145366
## ZSNU_norm.L.PET	0.96775004	0.480055198
## GLVAR_area.L.PET	0.70543187	0.328401677
## ZSVAR.L.PET	0.36211300	0.358830546
## Entropy_area.L.PET	0.92658083	0.415131289
## Max_cooc.H.PET	0.43610808	0.360727508
## Average_cooc.H.PET	0.97690429	0.435464545
## Variance_cooc.H.PET	0.74669953	0.371088528
## Entropy_cooc.H.PET	0.78911134	0.306084728
## DAVE_cooc.H.PET	0.82962751	0.383829388
## DVAR_cooc.H.PET	0.80642796	0.397873152
## DENT_cooc.H.PET	0.70906185	0.235590187
## SAVE_cooc.H.PET	0.95825097	0.424201633
## SVAR_cooc.H.PET	0.72676421	0.377879354
## SENT_cooc.H.PET	0.60241620	0.628310514
## ASM_cooc.H.PET	0.40227579	0.458826530
## Contrast_cooc.H.PET	0.73615207	0.355739335
## Dissimilarity_cooc.H.PET	0.82962751	0.383829388
## Inv_diff_cooc.H.PET	0.71785137	0.441282673
## Inv_diff_norm_cooc.H.PET	0.96751803	0.484008463
## IDM_cooc.H.PET	0.62624056	0.406950240
## IDM_norm_cooc.H.PET	0.96729364	0.477922664
## Inv_var_cooc_.H.PET	0.53368804	0.908935924
## Correlation_cooc.H.PET	0.55094591	0.341281254
## Autocorrelation_cooc.H.PET	0.94191324	0.422887691
## Tendency_cooc.H.PET	0.68561461	0.346068812
## Shade_cooc.H.PET	-0.26439704	-0.228533115
## Prominence_cooc.H.PET	0.44144464	0.248150314
## IC1_d.H.PET	-0.05260315	0.365771063
## IC2_d.H.PET	0.67729470	0.395566168
## Coarseness_vdif.H.PET	0.41791766	0.986772803

## Contrast_vdif.H.PET	0.36306698	0.234087136
## Busyness_vdif.H.PET	0.11789582	-0.383991032
## Complexity_vdif.H.PET	0.63285827	0.675516835
## Strength_vdif.H.PET	0.14382154	0.093558630
## SRE_align.H.PET	0.93079195	0.463993217
## LRE_align.H.PET	0.64390182	0.302990993
## RLNU_align.H.PET	0.13187668	-0.027789683
## RP_align.H.PET	0.91944147	0.460370704
## LGRE_align.H.PET	0.41710417	0.999531929
## HGRE_align.H.PET	0.96119476	0.418571620
## LGSRE_align.H.PET	0.41523507	0.999399782
## HGSRE_align.H.PET	1.00000000	0.426688690
## LGHRE_align.H.PET	0.42668869	1.000000000
## HGLRE_align.H.PET	0.46000593	0.223272013
## GLNU_norm_align.H.PET	0.62081164	0.405050893
## RLNU_norm_align.H.PET	0.86169537	0.438388600
## GLVAR_align.H.PET	0.70086949	0.353757447
## RLVAR_align.H.PET	0.27655765	0.188655657
## Entropy_align.H.PET	0.80010450	0.366000840
## SZSE.H.PET	0.79725843	0.412605402
## LZSE.H.PET	-0.07881894	-0.069989111
## LGLZE.H.PET	0.41635325	0.999453519
## HGLZE.H.PET	0.89387076	0.356760160
## SZLGE.H.PET	0.41236681	0.999094100
## SZHGE.H.PET	0.85734206	0.337957721
## LZLGE.H.PET	-0.02804474	0.065965187
## LZHGE.H.PET	-0.05906663	-0.031064610
## GLNU_area.H.PET	0.18233775	-0.055160631
## ZSNU.H.PET	0.10990403	-0.031984251
## ZSP.H.PET	0.61225366	0.308823722
## GLNU_norm.H.PET	0.60003092	0.412961273
## ZSNU_norm.H.PET	0.65702009	0.354478817
## GLVAR_area.H.PET	0.68096493	0.342938396
## ZSVAR_H.PET	-0.07365845	-0.048176622
## Entropy_area.H.PET	0.86596401	0.395623968
## Max_cooc.W.PET	0.45298410	0.594826198
## Average_cooc.W.PET	0.40537678	0.197667959
## Variance_cooc.W.PET	0.17379358	0.106918962
## Entropy_cooc.W.PET	0.76729154	0.336731580
## DAVE_cooc.W.PET	0.47108179	0.210438403
## DVAR_cooc.W.PET	0.21856388	0.105773266
## DENT_cooc.W.PET	0.77132331	0.345961577
## SAVE_cooc.W.PET	0.40465264	0.195672457
## SVAR_cooc.W.PET	0.14677707	0.104278414
## SENT_cooc.W.PET	0.80933671	0.454684883
## ASM_cooc.W.PET	0.44491494	0.780855632
## Contrast_cooc.W.PET	0.22851096	0.103031555
## Dissimilarity_cooc.W.PET	0.47108179	0.210438403
## Inv_diff_cooc.W.PET	0.78534548	0.461192271
## Inv_diff_norm_cooc.W.PET	0.95276572	0.478708389
## IDM_cooc.W.PET	0.66697507	0.420507805
## IDM_norm_cooc.W.PET	0.95886968	0.475179118
## Inv_var_cooc.W.PET	0.71879423	0.458081137
## Correlation_cooc.W.PET	0.55397096	0.332410675

## Autocorrelation_cooc.W.PET	0.14765259	0.086635161
## Tendency_cooc.W.PET	0.14677707	0.104278414
## Shade_cooc.W.PET	0.00805100	0.065618421
## Prominence_cooc.W.PET	-0.03120485	0.043419582
## IC1_d.W.PET	-0.08075591	0.424747692
## IC2_d.W.PET	0.75912115	0.452337479
## Coarseness_vdif.W.PET	0.50791187	0.822599837
## Contrast_vdif.W.PET	0.44709880	0.306490895
## Busyness_vdif.W.PET	0.24785914	-0.109509682
## Complexity_vdif.W.PET	0.08979051	0.085276889
## Strength_vdif.W.PET	0.26132279	0.195091774
## SRE_align.W.PET	0.95493320	0.473240984
## LRE_align.W.PET	0.85317718	0.413289189
## GLNU_align.W.PET	0.18089926	-0.061710024
## RLNU_align.W.PET	0.13131218	-0.031077669
## RP_align.W.PET	0.95025498	0.471331908
## LGRE_align.W.PET	0.61563173	0.371761774
## HGRE_align.W.PET	0.15222095	0.078443052
## LGSRE_align.W.PET	0.64679875	0.402400224
## HGSRE_align.W.PET	0.14992995	0.076429064
## LGHRE_align.W.PET	0.45195726	0.240446649
## HGLRE_align.W.PET	0.15993031	0.086395303
## GLNU_norm_align.W.PET	0.62164522	0.508091212
## RLNU_norm_align.W.PET	0.92525105	0.461566935
## GLVAR_align.W.PET	0.16572154	0.100016613
## RLVAR_align.W.PET	0.35939062	0.329808989
## Entropy_align.W.PET	0.80752997	0.365471314
## SZSE.W.PET	0.90477377	0.458578889
## LZSE.W.PET	0.14365692	0.079883070
## LGLZE.W.PET	0.61798162	0.398268750
## HGLZE.W.PET	0.15823824	0.079294150
## SZLGE.W.PET	0.67797764	0.486341189
## SZHGE.W.PET	0.15283332	0.073981106
## LZLGE.W.PET	0.06015516	-0.003051381
## LZHGE.W.PET	0.14435196	0.123638893
## GLNU_area.W.PET	0.18852331	-0.057872007
## ZSNU.W.PET	0.12500186	-0.029643290
## ZSP.W.PET	0.82229506	0.409637265
## GLNU_norm.W.PET	0.62443264	0.527383433
## ZSNU_norm.W.PET	0.81947050	0.415697743
## GLVAR_area.W.PET	0.16986170	0.105318216
## ZSVAR.W.PET	0.05167370	0.044176755
## Entropy_area.W.PET	0.85119097	0.385372095
## Min_hist.ADC	0.37837018	0.204252428
## Max_hist.ADC	0.85388844	0.369873977
## Mean_hist.ADC	0.87617377	0.365747894
## Variance_hist.ADC	0.43433022	0.267406055
## Standard_Deviation_hist.ADC	0.70339100	0.358962340
## Skewness_hist.ADC	0.18004047	0.149805627
## Kurtosis_hist.ADC	0.24777373	0.116947518
## Energy_hist.ADC	0.42899211	0.986519555
## Entropy_hist.ADC	0.89714265	0.403629445
## AUC_hist.ADC	0.93023931	0.487682677
## Volume.ADC	0.26308939	-0.124804181

## X3D_surface.ADC	0.36230830	0.114960407
## ratio_3ds_vol.ADC	0.68809440	0.469955641
## ratio_3ds_vol_norm.ADC	0.91051692	0.380488587
## irregularity.ADC	0.94035277	0.477240462
## Compactness_v1.ADC	0.65622575	0.939652356
##	HGLRE_align.H.PET	GLNU_norm_align.H.PET
## Failure	0.085112609	0.1233441742
## Entropy_cooc.W.ADC	0.053791083	-0.0411087191
## GLNU_align.H.PET	0.063716631	-0.0624606143
## Min_hist.PET	-0.253360971	-0.2711247452
## Max_hist.PET	-0.233254541	-0.3010979654
## Mean_hist.PET	-0.263209361	-0.3194847172
## Variance_hist.PET	-0.342935361	-0.4417651564
## Standard_Deviation_hist.PET	-0.260388999	-0.3284426756
## Skewness_hist.PET	0.306116416	0.4918428508
## Kurtosis_hist.PET	0.121309468	0.2366875664
## Energy_hist.PET	0.246187963	0.4979255782
## Entropy_hist.PET	0.351298388	0.2993833405
## AUC_hist.PET	0.447390508	0.5326933502
## H_suv.PET	-0.258927631	-0.2582808438
## Volume.PET	0.040779682	-0.0972747453
## X3D_surface.PET	0.054082918	-0.0923617737
## ratio_3ds_vol.PET	0.354943211	0.6194395190
## ratio_3ds_vol_norm.PET	0.345022273	0.4075547851
## irregularity.PET	0.462229088	0.6061183167
## tumor_length.PET	0.245626618	0.1251208614
## Compactness_v1.PET	0.227757579	0.4122625389
## Compactness_v2.PET	-0.036746739	-0.1067480553
## Spherical_disproportion.PET	0.345022273	0.4075547851
## Sphericity.PET	-0.033125722	-0.1245637529
## Asphericity.PET	0.337068157	0.3985983627
## Center_of_mass.PET	0.153747036	0.0197467306
## Max_3D_diam.PET	0.087189920	-0.1001836723
## Major_axis_length.PET	0.104843672	-0.0646921536
## Minor_axis_length.PET	0.230649691	0.0734035951
## Least_axis_length.PET	0.159091209	-0.0409931597
## Elongation.PET	0.408314325	0.5045951661
## Flatness.PET	0.352678250	0.3802909090
## Max_cooc.L.PET	0.272476220	0.4931382796
## Average_cooc.L.PET	0.355002031	0.4127896909
## Variance_cooc.L.PET	0.304897618	0.4951173372
## Entropy_cooc.L.PET	0.410065755	0.4373491950
## DAVE_cooc.L.PET	0.252047800	0.4629614804
## DVAR_cooc.L.PET	0.145218000	0.4028708925
## DENT_cooc.L.PET	0.394308227	0.5083862227
## SAVE_cooc.L.PET	0.354865828	0.4124234147
## SVAR_cooc.L.PET	0.396553395	0.5274257308
## SENT_cooc.L.PET	0.456310390	0.5394934192
## ASM_cooc.L.PET	0.238831293	0.4497957388
## Contrast_cooc.L.PET	0.118245326	0.3770656867
## Dissimilarity_cooc.L.PET	0.252047800	0.4629614804
## Inv_diff_cooc.L.PET	0.422232284	0.4327278478
## Inv_diff_norm_cooc.L.PET	0.448733266	0.5010197630
## IDM_cooc.L.PET	0.391102707	0.4091630986

## IDM_norm_cooc.L.PET	0.446804448	0.5070527559
## Inv_var_cooc.L.PET	0.393044452	0.4097796630
## Correlation_cooc.L.PET	0.521305029	0.3846234838
## Autocorrelation_cooc.L.PET	0.316269948	0.3630611446
## Tendency_cooc.L.PET	0.396553395	0.5274257308
## Shade_cooc.L.PET	0.268736946	0.3874712382
## Prominence_cooc.L.PET	0.355067040	0.5217561221
## IC1_.L.PET	-0.307418217	-0.4492149004
## IC2_.L.PET	0.484465305	0.6277124120
## Coarseness_vdif_.L.PET	0.313155285	0.5888972288
## Contrast_vdif_.L.PET	0.045474963	0.3031990620
## Busyness_vdif_.L.PET	0.002491345	-0.1092558452
## Complexity_vdif_.L.PET	0.190881986	0.4590974192
## Strength_vdif_.L.PET	0.262935469	0.5644409232
## SRE_align.L.PET	0.437030215	0.5197767883
## LRE_align.L.PET	0.442612993	0.4906941185
## GLNU_align.L.PET	0.001786394	-0.1448252008
## RLNU_align.L.PET	-0.025912053	-0.2138724641
## RP_align.L.PET	0.436988815	0.5212123761
## LGRE_align.L.PET	0.299182019	0.5362510526
## HGRE_align.L.PET	0.296428001	0.3592404643
## LGSRE_align.L.PET	0.298511013	0.5389287302
## HGSRE_align.L.PET	0.293822640	0.3623018620
## LGHRE_align.L.PET	0.300046552	0.5222489998
## HGLRE_align.L.PET	0.306045546	0.3449224193
## GLNU_norm_align.L.PET	0.350858955	0.5804024362
## RLNU_norm_align.L.PET	0.435846371	0.5253912142
## GLVAR_align.L.PET	0.312708326	0.4655054546
## RLVAR_align.L.PET	0.329195941	0.3978481434
## Entropy_align.L.PET	0.421477234	0.4477089628
## SZSE.L.PET	0.416360367	0.5192014348
## LZSE.L.PET	0.335897395	0.2921705825
## LGLZE.L.PET	0.298933622	0.5399159531
## HGLZE.L.PET	0.295464220	0.3621357917
## SZLGE.L.PET	0.293603218	0.5489599342
## SZHGE.L.PET	0.280356054	0.3695394871
## LZLGE.L.PET	0.282441225	0.4351823101
## LZHGE.L.PET	0.282742940	0.2466103842
## GLNU_area.L.PET	-0.002020523	-0.1487529099
## ZSNU.L.PET	-0.031218746	-0.2168427730
## ZSP.L.PET	0.424275772	0.5283336805
## GLNU_norm.L.PET	0.349991883	0.5781543071
## ZSNU_norm.L.PET	0.428169515	0.5312840339
## GLVAR_area.L.PET	0.313537082	0.4659527988
## ZSVAR.L.PET	0.205050762	0.1441927772
## Entropy_area.L.PET	0.419783066	0.4385928834
## Max_cooc.H.PET	0.836582583	0.9347672280
## Average_cooc.H.PET	0.580869365	0.6780392909
## Variance_cooc.H.PET	0.069343564	0.0489000816
## Entropy_cooc.H.PET	0.108631063	0.1729146432
## DAVE_cooc.H.PET	0.073194824	0.1754863435
## DVAR_cooc.H.PET	0.154942848	0.2301199517
## DENT_cooc.H.PET	0.166429028	0.1446157140
## SAVE_cooc.H.PET	0.508400221	0.5755171678

## SVAR_cooc.H.PET	0.226548970	0.1421184483
## SENT_cooc.H.PET	0.015966670	0.0864552683
## ASM_cooc.H.PET	0.822138646	0.8963907742
## Contrast_cooc.H.PET	0.002660413	0.0918452324
## Dissimilarity_cooc.H.PET	0.073194824	0.1754863435
## Inv_diff_cooc.H.PET	0.893152983	0.9366040453
## Inv_diff_norm_cooc.H.PET	0.499523168	0.5685725969
## IDM_cooc.H.PET	0.913873859	0.9553540520
## IDM_norm_cooc.H.PET	0.466023007	0.5387793751
## Inv_var_cooc_.H.PET	0.106557986	0.2586246356
## Correlation_cooc.H.PET	0.443467101	0.3057011868
## Autocorrelation_cooc.H.PET	0.691614864	0.7932471450
## Tendency_cooc.H.PET	0.099132949	0.0212656504
## Shade_cooc.H.PET	0.044981155	0.1653714700
## Prominence_cooc.H.PET	-0.104437616	-0.2508804069
## IC1_d.H.PET	-0.486741956	-0.1587620307
## IC2_d.H.PET	0.416455261	0.3230458267
## Coarseness_vdif.H.PET	0.242786927	0.4586966184
## Contrast_vdif.H.PET	0.535797751	0.6787639317
## Busyness_vdif.H.PET	-0.008658934	-0.1066340686
## Complexity_vdif.H.PET	0.164179464	0.3440126302
## Strength_vdif.H.PET	0.363875407	0.3894453682
## SRE_align.H.PET	0.236440226	0.3386121162
## LRE_align.H.PET	0.924049577	0.8305890232
## RLNU_align.H.PET	-0.097918245	-0.2596807688
## RP_align.H.PET	0.196638892	0.3045907891
## LGRE_align.H.PET	0.206032543	0.3975234431
## HGRE_align.H.PET	0.678478511	0.7853575434
## LGSRE_align.H.PET	0.204787905	0.3973427721
## HGSRE_align.H.PET	0.460005928	0.6208116371
## LGHRE_align.H.PET	0.223272013	0.4050508929
## HGLRE_align.H.PET	1.000000000	0.8429637188
## GLNU_norm_align.H.PET	0.842963719	1.0000000000
## RLNU_norm_align.H.PET	0.071872091	0.1774194446
## GLVAR_align.H.PET	0.042758999	-0.0045930904
## RLVAR_align.H.PET	0.949699679	0.7398853625
## Entropy_align.H.PET	0.186901469	0.1334425820
## SZSE.H.PET	0.041616660	0.1010986353
## LZSE.H.PET	0.567692621	0.2386133691
## LGLZE.H.PET	0.204009987	0.3932632964
## HGLZE.H.PET	0.608317650	0.6629351737
## SZLGE.H.PET	0.203318449	0.3959035607
## SZHGE.H.PET	0.216524962	0.3254394953
## LZLGE.H.PET	0.628825834	0.3183488416
## LZHGE.H.PET	0.669060761	0.3348880157
## GLNU_area.H.PET	-0.029412615	-0.1709756305
## ZSNU.H.PET	-0.159714421	-0.3055411744
## ZSP.H.PET	-0.237420942	-0.1674192390
## GLNU_norm.H.PET	0.824190328	0.9701616975
## ZSNU_norm.H.PET	-0.134758996	-0.0985640464
## GLVAR_area.H.PET	0.023081698	-0.0243170362
## ZSVAR_H.PET	0.608944394	0.2805007715
## Entropy_area.H.PET	0.314351038	0.2961309162
## Max_cooc.W.PET	0.726859143	0.8662524077

## Average_cooc.W.PET	-0.242141223	-0.3426566003
## Variance_cooc.W.PET	-0.344592764	-0.4274746221
## Entropy_cooc.W.PET	0.024394012	0.0220192939
## DAVE_cooc.W.PET	-0.287409334	-0.3035410907
## DVAR_cooc.W.PET	-0.363966944	-0.4268280356
## DENT_cooc.W.PET	-0.019552923	0.0186029346
## SAVE_cooc.W.PET	-0.242666241	-0.3436271145
## SVAR_cooc.W.PET	-0.321436669	-0.4108034246
## SENT_cooc.W.PET	0.113979363	0.1378413031
## ASM_cooc.W.PET	0.634646889	0.7815195372
## Contrast_cooc.W.PET	-0.374737155	-0.4334971844
## Dissimilarity_cooc.W.PET	-0.287409334	-0.3035410907
## Inv_diff_cooc.W.PET	0.834762552	0.9113499195
## Inv_diff_norm_cooc.W.PET	0.456379073	0.5091132250
## IDM_cooc.W.PET	0.885454706	0.9467383611
## IDM_norm_cooc.W.PET	0.448008654	0.5088538958
## Inv_var_cooc.W.PET	0.821344616	0.9086194986
## Correlation_cooc.W.PET	0.503397902	0.3664641689
## Autocorrelation_cooc.W.PET	-0.327510447	-0.4605138389
## Tendency_cooc.W.PET	-0.321436669	-0.4108034246
## Shade_cooc.W.PET	-0.184427155	-0.2166454323
## Prominence_cooc.W.PET	-0.188137911	-0.2410833675
## IC1_d.W.PET	-0.390198048	-0.0717858669
## IC2_d.W.PET	0.402605913	0.3465935552
## Coarseness_vdif.W.PET	0.315433403	0.6107608343
## Contrast_vdif.W.PET	-0.253348712	-0.1672631110
## Busyness_vdif.W.PET	0.690351912	0.5777765874
## Complexity_vdif.W.PET	-0.274682685	-0.3686783667
## Strength_vdif.W.PET	-0.163117063	-0.0620932178
## SRE_align.W.PET	0.342338036	0.4312519470
## LRE_align.W.PET	0.815601070	0.7787620750
## GLNU_align.W.PET	0.203412697	0.0044812213
## RLNU_align.W.PET	-0.066792812	-0.2376864699
## RP_align.W.PET	0.312055984	0.4067678729
## LGRE_align.W.PET	0.760553764	0.9578921351
## HGRE_align.W.PET	-0.330919818	-0.4639620931
## LGSRE_align.W.PET	0.724666740	0.9460640727
## HGSRE_align.W.PET	-0.335679544	-0.4657837402
## LGHRE_align.W.PET	0.865434459	0.9271267879
## HGLRE_align.W.PET	-0.306000331	-0.4547913971
## GLNU_norm_align.W.PET	0.811164590	0.9886524082
## RLNU_norm_align.W.PET	0.228809563	0.3250368606
## GLVAR_align.W.PET	-0.342483589	-0.4420429415
## RLVAR_align.W.PET	0.964164997	0.8109532321
## Entropy_align.W.PET	0.156476090	0.1243340681
## SZSE.W.PET	0.202172946	0.3032621995
## LZSE.W.PET	0.869919260	0.6229292156
## LGLZE.W.PET	0.782361690	0.9604945520
## HGLZE.W.PET	-0.333018372	-0.4621861802
## SZLGE.W.PET	0.690669691	0.9098025292
## SZHGE.W.PET	-0.343324827	-0.4625076262
## LZLGE.W.PET	0.720566103	0.5108446278
## LZHGE.W.PET	-0.017157574	-0.2714803442
## GLNU_area.W.PET	0.095513018	-0.0735640235

## ZSNU.W.PET	-0.117883013	-0.2712952313
## ZSP.W.PET	0.012910220	0.1146959797
## GLNU_norm.W.PET	0.808567604	0.9837050180
## ZSNU_norm.W.PET	0.025012244	0.1124426915
## GLVAR_area.W.PET	-0.339337367	-0.4381924653
## ZSVAR.W.PET	0.814978169	0.5443798520
## Entropy_area.W.PET	0.274331763	0.2425882462
## Min_hist.ADC	0.212541804	0.3388746016
## Max_hist.ADC	0.392535377	0.4432302138
## Mean_hist.ADC	0.396678459	0.5102063663
## Variance_hist.ADC	0.295175515	0.3076051411
## Standard_Deviation_hist.ADC	0.377339135	0.4165074399
## Skewness_hist.ADC	0.112045036	0.0831575798
## Kurtosis_hist.ADC	0.058367247	0.0559271299
## Energy_hist.ADC	0.258112197	0.4677306597
## Entropy_hist.ADC	0.387086106	0.4119755649
## AUC_hist.ADC	0.409569134	0.4723411000
## Volume.ADC	0.034852422	-0.0825296230
## X3D_surface.ADC	0.118170385	0.0398537928
## ratio_3ds_vol.ADC	0.366249411	0.5383300253
## ratio_3ds_vol_norm.ADC	0.372117563	0.4355670706
## irregularity.ADC	0.431803517	0.5278273212
## Compactness_v1.ADC	0.359452480	0.5431979493
##	RLNU_norm_align.H.PET	GLVAR_align.H.PET
## Failure	-0.021672304	-0.041651362
## Entropy_cooc.W.ADC	-0.008613937	0.064403804
## GLNU_align.H.PET	-0.080536037	-0.001634436
## Min_hist.PET	0.756590490	0.728209066
## Max_hist.PET	0.749095856	0.772925543
## Mean_hist.PET	0.762382465	0.777890165
## Variance_hist.PET	0.505922140	0.538807167
## Standard_Deviation_hist.PET	0.767345114	0.781608856
## Skewness_hist.PET	0.436054927	0.173210753
## Kurtosis_hist.PET	0.088294372	-0.044633619
## Energy_hist.PET	0.397722181	0.253368409
## Entropy_hist.PET	0.804485686	0.812188403
## AUC_hist.PET	0.900370345	0.807199060
## H_suv.PET	0.807986612	0.781391456
## Volume.PET	0.323267732	0.433449187
## X3D_surface.PET	0.211026191	0.329332406
## ratio_3ds_vol.PET	0.492074406	0.259743849
## ratio_3ds_vol_norm.PET	0.496352120	0.416381399
## irregularity.PET	0.866279091	0.720242893
## tumor_length.PET	0.551185131	0.630334656
## Compactness_v1.PET	0.518547777	0.430152568
## Compactness_v2.PET	0.265129430	0.314701261
## Spherical_disproportion.PET	0.496352120	0.416381399
## Sphericity.PET	0.260647499	0.313962252
## Asphericity.PET	0.475699524	0.396994397
## Center_of_mass.PET	0.345401796	0.375995871
## Max_3D_diam.PET	0.456097029	0.585520365
## Major_axis_length.PET	0.509543281	0.624629006
## Minor_axis_length.PET	0.610216980	0.712349153
## Least_axis_length.PET	0.528157338	0.670901483

## Elongation.PET	0.758813140	0.672787910
## Flatness.PET	0.710049409	0.678356539
## Max_cooc.L.PET	0.411035692	0.286796886
## Average_cooc.L.PET	0.765174413	0.743598972
## Variance_cooc.L.PET	0.612520564	0.416354677
## Entropy_cooc.L.PET	0.908584379	0.856975376
## DAVE_cooc.L.PET	0.761258877	0.570661364
## DVAR_cooc.L.PET	0.714640210	0.482166284
## DENT_cooc.L.PET	0.912427867	0.790100737
## SAVE_cooc.L.PET	0.765021490	0.743565385
## SVAR_cooc.L.PET	0.570461205	0.410043391
## SENT_cooc.L.PET	0.882867199	0.791636176
## ASM_cooc.L.PET	0.393141306	0.283155580
## Contrast_cooc.L.PET	0.596801261	0.370282561
## Dissimilarity_cooc.L.PET	0.761258877	0.570661364
## Inv_diff_cooc.L.PET	0.734923848	0.714781903
## Inv_diff_norm_cooc.L.PET	0.895865114	0.828038519
## IDM_cooc.L.PET	0.647499600	0.630476308
## IDM_norm_cooc.L.PET	0.902979088	0.828653752
## Inv_var_cooc.L.PET	0.651184825	0.635019727
## Correlation_cooc.L.PET	0.454789142	0.531714828
## Autocorrelation_cooc.L.PET	0.554594091	0.566471502
## Tendency_cooc.L.PET	0.570461205	0.410043391
## Shade_cooc.L.PET	0.246432373	-0.027530263
## Prominence_cooc.L.PET	0.370473664	0.150453023
## IC1_.L.PET	-0.260739760	-0.104829570
## IC2_.L.PET	0.787554248	0.639885387
## Coarseness_vdif_.L.PET	0.403431703	0.246129370
## Contrast_vdif_.L.PET	0.263326565	0.051853769
## Busyness_vdif_.L.PET	0.316627070	0.405103151
## Complexity_vdif_.L.PET	0.744587725	0.499086669
## Strength_vdif_.L.PET	0.226069816	-0.054694031
## SRE_align.L.PET	0.913425851	0.820946312
## LRE_align.L.PET	0.896435927	0.831023634
## GLNU_align.L.PET	0.253893170	0.389035430
## RLNU_align.L.PET	0.248815857	0.419740412
## RP_align.L.PET	0.913719705	0.819913302
## LGRE_align.L.PET	0.557079229	0.303503944
## HGRE_align.L.PET	0.591653549	0.592540649
## LGSRE_align.L.PET	0.563267873	0.308662543
## HGSRE_align.L.PET	0.591303019	0.587088819
## LGHRE_align.L.PET	0.529273352	0.282197115
## HGLRE_align.L.PET	0.591529367	0.613378710
## GLNU_norm_align.L.PET	0.594884899	0.426030602
## RLNU_norm_align.L.PET	0.914431907	0.815933844
## GLVAR_align.L.PET	0.638264253	0.489488087
## RLVAR_align.L.PET	0.550339080	0.530535179
## Entropy_align.L.PET	0.907170019	0.863286912
## SZSE.L.PET	0.899090112	0.793776188
## LZSE.L.PET	0.608037675	0.621286432
## LGLZE.L.PET	0.568146257	0.317735866
## HGLZE.L.PET	0.603748679	0.597825179
## SZLGE.L.PET	0.581722351	0.328119169
## SZHGE.L.PET	0.605148583	0.578444625

## LZLGE.L.PET	0.426120673	0.226706655
## LZHGE.L.PET	0.474300852	0.550635346
## GLNU_area.L.PET	0.257738480	0.393357783
## ZSNU.L.PET	0.253767617	0.423114044
## ZSP.L.PET	0.905415709	0.796021371
## GLNU_norm.L.PET	0.595170203	0.428588361
## ZSNU_norm.L.PET	0.910666729	0.799435239
## GLVAR_area.L.PET	0.651321860	0.501713323
## ZSVAR.L.PET	0.378862511	0.445502345
## Entropy_area.L.PET	0.905770260	0.868329016
## Max_cooc.H.PET	-0.019695346	-0.195150248
## Average_cooc.H.PET	0.815746336	0.691993896
## Variance_cooc.H.PET	0.933043629	0.994707598
## Entropy_cooc.H.PET	0.897367364	0.797452143
## DAVE_cooc.H.PET	0.964038823	0.903740519
## DVAR_cooc.H.PET	0.903621913	0.887471781
## DENT_cooc.H.PET	0.793339714	0.759278567
## SAVE_cooc.H.PET	0.854396957	0.757536654
## SVAR_cooc.H.PET	0.840500433	0.914125043
## SENT_cooc.H.PET	0.793415601	0.740558868
## ASM_cooc.H.PET	-0.009758413	-0.147034665
## Contrast_cooc.H.PET	0.908168886	0.869094253
## Dissimilarity_cooc.H.PET	0.964038823	0.903740519
## Inv_diff_cooc.H.PET	0.329073339	0.232916781
## Inv_diff_norm_cooc.H.PET	0.877048192	0.787117762
## IDM_cooc.H.PET	0.201738332	0.108845782
## IDM_norm_cooc.H.PET	0.895645603	0.806503292
## Inv_var_cooc_.H.PET	0.630292115	0.530156914
## Correlation_cooc.H.PET	0.498601335	0.592363759
## Autocorrelation_cooc.H.PET	0.700041966	0.561525748
## Tendency_cooc.H.PET	0.863049372	0.973636194
## Shade_cooc.H.PET	-0.485388966	-0.721539775
## Prominence_cooc.H.PET	0.727925150	0.916886473
## IC1_d.H.PET	0.124275333	-0.013492064
## IC2_d.H.PET	0.652570954	0.691481311
## Coarseness_vdif.H.PET	0.394188052	0.270682879
## Contrast_vdif.H.PET	0.051250490	0.050377863
## Busyness_vdif.H.PET	0.102268427	0.175240952
## Complexity_vdif.H.PET	0.688227382	0.586459479
## Strength_vdif.H.PET	-0.049535935	-0.174938010
## SRE_align.H.PET	0.980384431	0.889200438
## LRE_align.H.PET	0.299284909	0.253936879
## RLNU_align.H.PET	0.288070515	0.441747721
## RP_align.H.PET	0.988754417	0.895263188
## LGRE_align.H.PET	0.432360840	0.341380801
## HGRE_align.H.PET	0.714036867	0.574562105
## LGSRE_align.H.PET	0.430368527	0.338412517
## HGSRE_align.H.PET	0.861695369	0.700869492
## LGHRE_align.H.PET	0.438388600	0.353757447
## HGLRE_align.H.PET	0.071872091	0.042758999
## GLNU_norm_align.H.PET	0.177419445	-0.004593090
## RLNU_norm_align.H.PET	1.000000000	0.908390523
## GLVAR_align.H.PET	0.908390523	1.000000000
## RLVAR_align.H.PET	-0.094505870	-0.083882315

## Entropy_align.H.PET	0.934371373	0.945790141
## SZSE.H.PET	0.963691548	0.882865606
## LZSE.H.PET	-0.229324319	-0.221172018
## LGLZE.H.PET	0.434336803	0.346087533
## HGLZE.H.PET	0.697631648	0.544057548
## SZLGE.H.PET	0.427769764	0.335525858
## SZHGE.H.PET	0.858500963	0.670603607
## LZLGE.H.PET	-0.204102583	-0.177850675
## LZHGE.H.PET	-0.252143281	-0.240271300
## GLNU_area.H.PET	0.276646022	0.425586655
## ZSNU.H.PET	0.298149825	0.429503291
## ZSP.H.PET	0.900623882	0.830549572
## GLNU_norm.H.PET	0.186582568	0.043413593
## ZSNU_norm.H.PET	0.918582845	0.845993844
## GLVAR_area.H.PET	0.892934667	0.990718005
## ZSVAR_H.PET	-0.247039590	-0.231011752
## Entropy_area.H.PET	0.908881555	0.905864259
## Max_cooc.W.PET	0.092398888	-0.082123017
## Average_cooc.W.PET	0.747990595	0.815458730
## Variance_cooc.W.PET	0.507813382	0.517972752
## Entropy_cooc.W.PET	0.964728185	0.946325861
## DAVE_cooc.W.PET	0.811277879	0.775008432
## DVAR_cooc.W.PET	0.568622787	0.554452863
## DENT_cooc.W.PET	0.976871549	0.914631828
## SAVE_cooc.W.PET	0.747371482	0.815068251
## SVAR_cooc.W.PET	0.459152264	0.479780469
## SENT_cooc.W.PET	0.963297829	0.921278320
## ASM_cooc.W.PET	0.176253769	0.035407275
## Contrast_cooc.W.PET	0.589390388	0.571362815
## Dissimilarity_cooc.W.PET	0.811277879	0.775008432
## Inv_diff_cooc.W.PET	0.431336125	0.344822021
## Inv_diff_norm_cooc.W.PET	0.893184906	0.824162370
## IDM_cooc.W.PET	0.259407583	0.180521021
## IDM_norm_cooc.W.PET	0.902778669	0.827845733
## Inv_var_cooc.W.PET	0.350836633	0.279965520
## Correlation_cooc.W.PET	0.461513052	0.540707998
## Autocorrelation_cooc.W.PET	0.494209710	0.581484213
## Tendency_cooc.W.PET	0.459152264	0.479780469
## Shade_cooc.W.PET	0.152512992	0.131890514
## Prominence_cooc.W.PET	0.121273364	0.130865844
## IC1_d.W.PET	0.039629260	-0.066476629
## IC2_d.W.PET	0.756766148	0.745552241
## Coarseness_vdif.W.PET	0.368166880	0.199640464
## Contrast_vdif.W.PET	0.737384253	0.613164388
## Busyness_vdif.W.PET	-0.084555489	-0.104168886
## Complexity_vdif.W.PET	0.356406040	0.396681295
## Strength_vdif.W.PET	0.394062275	0.229086627
## SRE_align.W.PET	0.951248258	0.860797750
## LRE_align.W.PET	0.600127822	0.542901074
## GLNU_align.W.PET	0.159737500	0.314640086
## RLNU_align.W.PET	0.270210250	0.431018651
## RP_align.W.PET	0.960958674	0.869443476
## LGRE_align.W.PET	0.192914091	-0.060851417
## HGRE_align.W.PET	0.499422927	0.586178947

## LGSRE_align.W.PET	0.244378654	-0.017104706
## HGSRE_align.W.PET	0.497650407	0.580358256
## LGHRE_align.W.PET	-0.004414371	-0.210547828
## HGLRE_align.W.PET	0.503877250	0.609034388
## GLNU_norm_align.W.PET	0.203271613	0.010511419
## RLNU_norm_align.W.PET	0.983288731	0.891334411
## GLVAR_align.W.PET	0.505067921	0.538864758
## RLVAR_align.W.PET	-0.015940761	-0.026549383
## Entropy_align.W.PET	0.949816512	0.951608749
## SZSE.W.PET	0.967889666	0.870569306
## LZSE.W.PET	-0.181821851	-0.179998278
## LGLZE.W.PET	0.207084676	-0.019246259
## HGLZE.W.PET	0.504233300	0.584368854
## SZLGE.W.PET	0.328448469	0.090439315
## SZHGE.W.PET	0.497130068	0.564193755
## LZLGE.W.PET	-0.233007737	-0.306945021
## LZHGE.W.PET	0.391908583	0.575845684
## GLNU_area.W.PET	0.218578333	0.372055309
## ZSNU.W.PET	0.288371638	0.433178455
## ZSP.W.PET	0.982931392	0.895836707
## GLNU_norm.W.PET	0.215461683	0.045625913
## ZSNU_norm.W.PET	0.982668689	0.890960760
## GLVAR_area.W.PET	0.507479370	0.540601743
## ZSVAR.W.PET	-0.244583986	-0.236641636
## Entropy_area.W.PET	0.929410881	0.925628473
## Min_hist.ADC	0.279094376	0.201832744
## Max_hist.ADC	0.792793352	0.714155313
## Mean_hist.ADC	0.780436594	0.653966074
## Variance_hist.ADC	0.364960815	0.309351226
## Standard_Deviation_hist.ADC	0.632612141	0.559992184
## Skewness_hist.ADC	0.197429640	0.259671365
## Kurtosis_hist.ADC	0.268930708	0.242681635
## Energy_hist.ADC	0.401761775	0.291950727
## Entropy_hist.ADC	0.876304774	0.822271432
## AUC_hist.ADC	0.899192717	0.835550514
## Volume.ADC	0.310819852	0.407043132
## X3D_surface.ADC	0.404740699	0.447106614
## ratio_3ds_vol.ADC	0.572465275	0.443168908
## ratio_3ds_vol_norm.ADC	0.863136977	0.791991624
## irregularity.ADC	0.879240559	0.784682818
## Compactness_v1.ADC	0.619954468	0.505333059
##	RLVAR_align.H.PET	Entropy_align.H.PET
## Failure	3.915803e-02	-0.071779592
## Entropy_cooc.W.ADC	1.035689e-01	0.076431254
## GLNU_align.H.PET	1.470486e-01	0.021193453
## Min_hist.PET	-3.787665e-01	0.750045014
## Max_hist.PET	-3.325525e-01	0.814571300
## Mean_hist.PET	-3.848194e-01	0.787872106
## Variance_hist.PET	-4.165930e-01	0.577180880
## Standard_Deviation_hist.PET	-3.668083e-01	0.813219224
## Skewness_hist.PET	2.457455e-01	0.380871569
## Kurtosis_hist.PET	1.208461e-01	0.069612300
## Energy_hist.PET	1.953715e-01	0.267174153
## Entropy_hist.PET	2.567508e-01	0.889631898
		SZSE.H.PET
		-0.0289419320
		0.0004161705
		-0.0786572212
		0.7785227636
		0.7889692709
		0.7884230672
		0.5557297062
		0.8029211099
		0.4416760851
		0.1124853096
		0.3561262213
		0.7865187527

## AUC_hist.PET	3.005844e-01	0.890875540	0.8493745684
## H_suv.PET	-3.890161e-01	0.776094366	0.8269780567
## Volume.PET	2.034277e-02	0.475541518	0.3517199110
## X3D_surface.PET	8.198547e-02	0.363265967	0.2566148354
## ratio_3ds_vol.PET	2.349497e-01	0.330345336	0.4390133033
## ratio_3ds_vol_norm.PET	3.119860e-01	0.511227965	0.4816018707
## irregularity.PET	2.887542e-01	0.808441637	0.8089144117
## tumor_length.PET	2.153838e-01	0.703970615	0.5689855417
## Compactness_v1.PET	1.706250e-01	0.454355818	0.4978419151
## Compactness_v2.PET	-9.917875e-02	0.334049143	0.2866399177
## Spherical_disproportion.PET	3.119860e-01	0.511227965	0.4816018707
## Sphericity.PET	-1.016154e-01	0.332542506	0.2770791442
## Asphericity.PET	3.085120e-01	0.490995170	0.4624152281
## Center_of_mass.PET	1.683104e-01	0.492343182	0.3806564926
## Max_3D_diam.PET	4.220235e-02	0.647996614	0.4965879087
## Major_axis_length.PET	5.339089e-02	0.689730195	0.5458827095
## Minor_axis_length.PET	2.014526e-01	0.783866560	0.6317228702
## Least_axis_length.PET	1.364954e-01	0.727672883	0.5486886015
## Elongation.PET	3.068770e-01	0.716451960	0.6921277019
## Flatness.PET	2.647389e-01	0.714559200	0.6364175557
## Max_cooc.L.PET	2.257003e-01	0.316494061	0.3804294070
## Average_cooc.L.PET	1.798162e-01	0.708745378	0.6755249049
## Variance_cooc.L.PET	1.330030e-01	0.442032858	0.5170086933
## Entropy_cooc.L.PET	2.588234e-01	0.919043822	0.8560339505
## DAVE_cooc.L.PET	5.800520e-02	0.574288737	0.6698585171
## DVAR_cooc.L.PET	-4.003678e-02	0.496630934	0.6434929502
## DENT_cooc.L.PET	2.153359e-01	0.847119631	0.8442078318
## SAVE_cooc.L.PET	1.796417e-01	0.708679356	0.6753693854
## SVAR_cooc.L.PET	2.447898e-01	0.464104772	0.4794642253
## SENT_cooc.L.PET	3.033313e-01	0.857493877	0.8177083334
## ASM_cooc.L.PET	2.077674e-01	0.302154079	0.3646919130
## Contrast_cooc.L.PET	-6.248835e-02	0.347424524	0.5069762225
## Dissimilarity_cooc.L.PET	5.800520e-02	0.574288737	0.6698585171
## Inv_diff_cooc.L.PET	3.522666e-01	0.822126683	0.7204989504
## Inv_diff_norm_cooc.L.PET	3.078663e-01	0.914131841	0.8507819512
## IDM_cooc.L.PET	3.469807e-01	0.737095319	0.6388926967
## IDM_norm_cooc.L.PET	3.000533e-01	0.910933667	0.8540210538
## Inv_var_cooc.L.PET	3.458669e-01	0.744831042	0.6569248084
## Correlation_cooc.L.PET	5.107350e-01	0.662462015	0.4459667408
## Autocorrelation_cooc.L.PET	1.605914e-01	0.491763524	0.4561132359
## Tendency_cooc.L.PET	2.447898e-01	0.464104772	0.4794642253
## Shade_cooc.L.PET	2.201916e-01	0.200100774	0.2516000511
## Prominence_cooc.L.PET	2.312875e-01	0.247081339	0.2957264578
## IC1_.L.PET	-1.753205e-01	-0.145376228	-0.1756417225
## IC2_.L.PET	3.291452e-01	0.718485921	0.7115461629
## Coarseness_vdif_.L.PET	2.288981e-01	0.252810780	0.3437378738
## Contrast_vdif_.L.PET	-6.073236e-02	0.029496241	0.1904123605
## Busyness_vdif_.L.PET	3.216377e-05	0.464156106	0.3493950071
## Complexity_vdif_.L.PET	6.717467e-03	0.519358513	0.6628122403
## Strength_vdif_.L.PET	1.250299e-01	0.012098129	0.1762498728
## SRE_align.L.PET	2.794096e-01	0.896836553	0.8603460417
## LRE_align.L.PET	3.035960e-01	0.913446249	0.8395472866
## GLNU_align.L.PET	1.565545e-02	0.432591228	0.2927817303
## RLNU_align.L.PET	-1.646550e-02	0.438544112	0.2875222845

## RP_align.L.PET	2.785283e-01	0.895006778	0.8591763098
## LGRE_align.L.PET	2.249530e-01	0.461539089	0.5477816960
## HGRE_align.L.PET	1.324341e-01	0.511705451	0.4944295902
## LGSRE_align.L.PET	2.234380e-01	0.464710011	0.5531848351
## HGSRE_align.L.PET	1.286166e-01	0.507022294	0.4952272617
## LGHRE_align.L.PET	2.302534e-01	0.446887369	0.5234668270
## HGLRE_align.L.PET	1.477846e-01	0.529572787	0.4892978104
## GLNU_norm_align.L.PET	2.738555e-01	0.509060173	0.5638285830
## RLNU_norm_align.L.PET	2.745014e-01	0.888324525	0.8562745028
## GLVAR_align.L.PET	1.435608e-01	0.493617654	0.5408939311
## RLVAR_align.L.PET	3.121167e-01	0.599294707	0.5361207853
## Entropy_align.L.PET	2.699529e-01	0.921347473	0.8525360441
## SZSE.L.PET	2.519646e-01	0.870440903	0.8765063161
## LZSE.L.PET	2.783414e-01	0.671092716	0.4769556136
## LGLZE.L.PET	2.271042e-01	0.470659851	0.5547714885
## HGLZE.L.PET	1.305277e-01	0.520044544	0.5076355730
## SZLGE.L.PET	2.176344e-01	0.473783537	0.5765221052
## SZHGE.L.PET	1.107107e-01	0.508470199	0.5329252165
## LZLGE.L.PET	2.362886e-01	0.387394194	0.3971165832
## LZHGE.L.PET	1.741399e-01	0.460608699	0.3043049900
## GLNU_area.L.PET	8.712695e-03	0.436342188	0.3045458287
## ZSNU.L.PET	-2.710903e-02	0.439760042	0.3020128291
## ZSP.L.PET	2.567508e-01	0.869684327	0.8713964454
## GLNU_norm.L.PET	2.749237e-01	0.510561452	0.5642370581
## ZSNU_norm.L.PET	2.581050e-01	0.864530023	0.8569631993
## GLVAR_area.L.PET	1.442789e-01	0.506552669	0.5557863225
## ZSVAR.L.PET	2.196523e-01	0.494681441	0.3070686869
## Entropy_area.L.PET	2.736768e-01	0.930412396	0.8520358854
## Max_cooc.H.PET	7.484895e-01	-0.031816321	-0.0624935523
## Average_cooc.H.PET	4.185739e-01	0.795569298	0.7490458176
## Variance_cooc.H.PET	-6.430348e-02	0.951299529	0.9013428808
## Entropy_cooc.H.PET	-4.603818e-02	0.871698142	0.8737324952
## DAVE_cooc.H.PET	-9.000673e-02	0.874520476	0.9136992777
## DVAR_cooc.H.PET	-1.248328e-02	0.833807791	0.8502435884
## DENT_cooc.H.PET	8.061021e-02	0.813637470	0.7803665495
## SAVE_cooc.H.PET	3.670499e-01	0.850266518	0.7946675081
## SVAR_cooc.H.PET	1.370475e-01	0.923989950	0.8168789062
## SENT_cooc.H.PET	-7.425125e-02	0.748606826	0.7708682568
## ASM_cooc.H.PET	7.151161e-01	-0.019241136	-0.0499092739
## Contrast_cooc.H.PET	-1.646500e-01	0.799781741	0.8616046095
## Dissimilarity_cooc.H.PET	-9.000673e-02	0.874520476	0.9136992777
## Inv_diff_cooc.H.PET	8.082249e-01	0.379917789	0.2692385982
## Inv_diff_norm_cooc.H.PET	3.502189e-01	0.881816279	0.8238747227
## IDM_cooc.H.PET	8.469528e-01	0.252091932	0.1419994287
## IDM_norm_cooc.H.PET	3.154118e-01	0.894283027	0.8425337609
## Inv_var_cooc_.H.PET	4.967764e-02	0.589270375	0.6304807214
## Correlation_cooc.H.PET	4.307966e-01	0.703570993	0.4924929125
## Autocorrelation_cooc.H.PET	5.299974e-01	0.684700014	0.6274284800
## Tendency_cooc.H.PET	-4.383491e-03	0.948097678	0.8422145251
## Shade_cooc.H.PET	1.102605e-01	-0.543584652	-0.4551806809
## Prominence_cooc.H.PET	-1.863648e-01	0.843346253	0.7307408998
## IC1_d.H.PET	-5.681001e-01	-0.140786626	0.1057025772
## IC2_d.H.PET	3.759033e-01	0.810460476	0.6379190190
## Coarseness_vdif.H.PET	1.946922e-01	0.288825509	0.3642886785

## Contrast_vdif.H.PET	4.345824e-01	-0.009593864	-0.0557505801
## Busyness_vdif.H.PET	-1.918651e-02	0.191536514	0.1310041765
## Complexity_vdif.H.PET	5.363634e-02	0.544273228	0.6186721468
## Strength_vdif.H.PET	1.758009e-01	-0.108186443	-0.0575948469
## SRE_align.H.PET	7.332424e-02	0.938950352	0.9353177774
## LRE_align.H.PET	8.633231e-01	0.403172454	0.2524080945
## RLNU_align.H.PET	-1.093309e-01	0.458743555	0.3262378995
## RP_align.H.PET	2.911287e-02	0.938335117	0.9440835033
## LGRE_align.H.PET	1.698985e-01	0.352238102	0.4073156010
## HGRE_align.H.PET	5.097065e-01	0.696261018	0.6452073356
## LGSRE_align.H.PET	1.687660e-01	0.349255687	0.4053569144
## HGSRE_align.H.PET	2.765576e-01	0.800104498	0.7972584276
## LGHRE_align.H.PET	1.886557e-01	0.366000840	0.4126054023
## HGLRE_align.H.PET	9.496997e-01	0.186901469	0.0416166599
## GLNU_norm_align.H.PET	7.398854e-01	0.133442582	0.1010986353
## RLNU_norm_align.H.PET	-9.450587e-02	0.934371373	0.9636915483
## GLVAR_align.H.PET	-8.388232e-02	0.945790141	0.8828656057
## RLVAR_align.H.PET	1.000000e+00	0.061589403	-0.1092356258
## Entropy_align.H.PET	6.158940e-02	1.000000000	0.9252567116
## SZSE.H.PET	-1.092356e-01	0.925256712	1.0000000000
## LZSE.H.PET	6.413389e-01	-0.099961282	-0.1625577969
## LGLZE.H.PET	1.673135e-01	0.355651467	0.4093839232
## HGLZE.H.PET	4.759392e-01	0.701858121	0.6508859909
## SZLGE.H.PET	1.672926e-01	0.346524849	0.4041394046
## SZHGE.H.PET	6.864633e-02	0.783453418	0.8988027519
## LZLGE.H.PET	7.307224e-01	-0.062578868	-0.1569551470
## LZHGE.H.PET	7.013527e-01	-0.121697497	-0.1883448092
## GLNU_area.H.PET	-3.048863e-02	0.439496667	0.3211420619
## ZSNU.H.PET	-1.904718e-01	0.448718686	0.3485228479
## ZSP.H.PET	-3.874607e-01	0.828246302	0.9369430345
## GLNU_norm.H.PET	7.386936e-01	0.152966825	0.0994104344
## ZSNU_norm.H.PET	-2.762928e-01	0.868421319	0.9583772115
## GLVAR_area.H.PET	-1.009677e-01	0.931958027	0.8686847584
## ZSVAR.H.PET	6.794744e-01	-0.112107374	-0.1802338488
## Entropy_area.H.PET	1.939834e-01	0.970876888	0.8682601964
## Max_cooc.W.PET	6.106834e-01	0.042741296	0.0547616124
## Average_cooc.W.PET	-3.548703e-01	0.812809153	0.7757165244
## Variance_cooc.W.PET	-4.182396e-01	0.563803968	0.5577682692
## Entropy_cooc.W.PET	-1.137498e-01	0.980322304	0.9538784152
## DAVE_cooc.W.PET	-4.185232e-01	0.785005174	0.8363809826
## DVAR_cooc.W.PET	-4.581727e-01	0.583086359	0.6162296728
## DENT_cooc.W.PET	-1.699948e-01	0.950989808	0.9673326874
## SAVE_cooc.W.PET	-3.553630e-01	0.812388056	0.7751609962
## SVAR_cooc.W.PET	-3.818795e-01	0.535438013	0.5095931010
## SENT_cooc.W.PET	-1.646161e-02	0.970331995	0.9444193756
## ASM_cooc.W.PET	5.353432e-01	0.121492150	0.1397900599
## Contrast_cooc.W.PET	-4.763440e-01	0.587353694	0.6336466867
## Dissimilarity_cooc.W.PET	-4.185232e-01	0.785005174	0.8363809826
## Inv_diff_cooc.W.PET	7.414956e-01	0.457051916	0.3554230195
## Inv_diff_norm_cooc.W.PET	3.146874e-01	0.910707213	0.8474187267
## IDM_cooc.W.PET	8.149961e-01	0.297144381	0.1868401295
## IDM_norm_cooc.W.PET	3.010244e-01	0.909867487	0.8534710979
## Inv_var_cooc.W.PET	7.581097e-01	0.380138066	0.2752138276
## Correlation_cooc.W.PET	4.946668e-01	0.669674761	0.4542646561

## Autocorrelation_cooc.W.PET	-4.054312e-01	0.592176562	0.5395205445
## Tendency_cooc.W.PET	-3.818795e-01	0.535438013	0.5095931010
## Shade_cooc.W.PET	-1.905390e-01	0.212048830	0.1877048014
## Prominence_cooc.W.PET	-1.957899e-01	0.195062538	0.1523845065
## IC1_d.W.PET	-4.395067e-01	-0.189420330	0.0112049966
## IC2_d.W.PET	3.260750e-01	0.860377501	0.7408509732
## Coarseness_vdif.W.PET	2.155535e-01	0.195639169	0.2938606508
## Contrast_vdif.W.PET	-3.957423e-01	0.598611210	0.7365146621
## Busyness_vdif.W.PET	7.179282e-01	0.037816664	-0.1256605669
## Complexity_vdif.W.PET	-3.221529e-01	0.452491810	0.4044488054
## Strength_vdif.W.PET	-2.231058e-01	0.300252008	0.4319724198
## SRE_align.W.PET	1.839807e-01	0.926346953	0.9031779479
## LRE_align.W.PET	7.113937e-01	0.667928814	0.5404289987
## GLNU_align.W.PET	2.535839e-01	0.361718577	0.1883300092
## RLNU_align.W.PET	-6.838163e-02	0.449678773	0.3088999732
## RP_align.W.PET	1.513091e-01	0.930338033	0.9123315301
## LGRE_align.W.PET	6.733834e-01	0.121663699	0.1289541189
## HGRE_align.W.PET	-4.101039e-01	0.595913584	0.5455811385
## LGSRE_align.W.PET	6.370186e-01	0.157970863	0.1762833979
## HGSRE_align.W.PET	-4.153264e-01	0.591109336	0.5445722742
## LGHRE_align.W.PET	7.923448e-01	-0.007398495	-0.0404708871
## HGLRE_align.W.PET	-3.815623e-01	0.614540037	0.5459048762
## GLNU_norm_align.W.PET	6.980224e-01	0.143985692	0.1333968423
## RLNU_norm_align.W.PET	6.770462e-02	0.941929883	0.9389063362
## GLVAR_align.W.PET	-4.157716e-01	0.577445855	0.5550172775
## RLVAR_align.W.PET	9.811616e-01	0.111761717	-0.0378257769
## Entropy_align.W.PET	2.419420e-02	0.998401529	0.9355491412
## SZSE.W.PET	3.720791e-02	0.926889711	0.9683433611
## LZSE.W.PET	8.633800e-01	-0.056224034	-0.2079224029
## LGLZE.W.PET	7.042040e-01	0.149093276	0.1403389657
## HGLZE.W.PET	-4.119602e-01	0.598327018	0.5511620751
## SZLGE.W.PET	6.025329e-01	0.244436164	0.2849208890
## SZHGE.W.PET	-4.239042e-01	0.582794084	0.5515537623
## LZLGE.W.PET	6.784482e-01	-0.146907824	-0.2017621286
## LZHGE.W.PET	-4.561238e-02	0.561377229	0.3448959525
## GLNU_area.W.PET	1.225029e-01	0.403858377	0.2618550592
## ZSNU.W.PET	-1.361681e-01	0.452096385	0.3374030594
## ZSP.W.PET	-1.481285e-01	0.923781646	0.9873139280
## GLNU_norm.W.PET	7.117222e-01	0.163700002	0.1417284213
## ZSNU_norm.W.PET	-1.368123e-01	0.924195773	0.9805360541
## GLVAR_area.W.PET	-4.117311e-01	0.580220289	0.5576807241
## ZSVAR.W.PET	8.212412e-01	-0.117961599	-0.2385316125
## Entropy_area.W.PET	1.474360e-01	0.989050605	0.8990046014
## Min_hist.ADC	9.557959e-02	0.218083543	0.2207641689
## Max_hist.ADC	2.752875e-01	0.807534224	0.7618531428
## Mean_hist.ADC	2.547547e-01	0.734267819	0.7232702322
## Variance_hist.ADC	2.641143e-01	0.393045471	0.3700172324
## Standard_Deviation_hist.ADC	2.937980e-01	0.648078766	0.6167388223
## Skewness_hist.ADC	6.032853e-02	0.268749370	0.1822153404
## Kurtosis_hist.ADC	3.528244e-02	0.306802354	0.2586248914
## Energy_hist.ADC	2.188966e-01	0.307537225	0.3636518615
## Entropy_hist.ADC	2.600675e-01	0.904733675	0.8484106243
## AUC_hist.ADC	2.593631e-01	0.900629129	0.8497056128
## Volume.ADC	8.980953e-03	0.448956139	0.3423250290

## X3D_surface.ADC	1.029952e-01	0.500170379	0.4380066021
## ratio_3ds_vol.ADC	2.245530e-01	0.469005081	0.4758561546
## ratio_3ds_vol_norm.ADC	2.372438e-01	0.867270384	0.8290383138
## irregularity.ADC	2.660245e-01	0.842956386	0.8064373783
## Compactness_v1.ADC	2.750927e-01	0.544246074	0.5700387726
##	LZSE.H.PET	LGLZE.H.PET	HGLZE.H.PET
## Failure	-0.0497574559	0.045754008	-0.003458889
## Entropy_cooc.W.ADC	0.1460568481	-0.018278356	0.067935521
## GLNU_align.H.PET	0.1028765896	0.048618404	-0.001812536
## Min_hist.PET	-0.2229210013	0.161610069	0.281676325
## Max_hist.PET	-0.2131681334	0.188456772	0.315961934
## Mean_hist.PET	-0.2233050205	0.171441674	0.263963966
## Variance_hist.PET	-0.1729553197	0.106008426	0.052221397
## Standard_Deviation_hist.PET	-0.2118259301	0.214433439	0.298390447
## Skewness_hist.PET	0.0257074255	0.268802664	0.693886891
## Kurtosis_hist.PET	0.0036683205	0.128865207	0.282596610
## Energy_hist.PET	-0.0662427484	0.969543875	0.353825907
## Entropy_hist.PET	-0.0294152126	0.305207739	0.781089936
## AUC_hist.PET	-0.0495184890	0.502263371	0.874926149
## H_suv.PET	-0.2269384630	0.310855021	0.297021910
## Volume.PET	-0.0636875170	-0.127284725	0.262578386
## X3D_surface.PET	0.0021553199	0.126153488	0.189194312
## ratio_3ds_vol.PET	-0.0089718528	0.613516226	0.547536382
## ratio_3ds_vol_norm.PET	0.0484416387	0.633279058	0.544949125
## irregularity.PET	-0.0570474888	0.460512188	0.864020233
## tumor_length.PET	0.0162703382	0.350339254	0.534328899
## Compactness_v1.PET	-0.1149283650	0.919914346	0.429565940
## Compactness_v2.PET	-0.1094812380	-0.238362508	0.158162566
## Spherical_disproportion.PET	0.0484416387	0.633279058	0.544949125
## Sphericity.PET	-0.0991263316	-0.385551749	0.176405267
## Asphericity.PET	0.0511561112	0.631151844	0.526479034
## Center_of_mass.PET	0.1062707641	0.189866556	0.370750261
## Max_3D_diam.PET	-0.0489899277	-0.120685656	0.379301919
## Major_axis_length.PET	-0.0474436057	0.020839568	0.404105486
## Minor_axis_length.PET	0.0016256628	0.169715154	0.567757574
## Least_axis_length.PET	-0.0302226329	0.052019298	0.454762245
## Elongation.PET	-0.0124646610	0.479582493	0.743465610
## Flatness.PET	-0.0424390184	0.381487106	0.656725746
## Max_cooc.L.PET	-0.0600904194	0.984807476	0.393311135
## Average_cooc.L.PET	-0.0646101629	0.377311198	0.596309975
## Variance_cooc.L.PET	-0.0201946850	0.305513181	0.543261332
## Entropy_cooc.L.PET	-0.0559584200	0.389604959	0.836283002
## DAVE_cooc.L.PET	-0.1122663351	0.356918844	0.613267436
## DVAR_cooc.L.PET	-0.1398071427	0.392158294	0.525425595
## DENT_cooc.L.PET	-0.0804414484	0.420213047	0.830664221
## SAVE_cooc.L.PET	-0.0645577574	0.376245279	0.596143346
## SVAR_cooc.L.PET	0.0461119984	0.287716651	0.578051895
## SENT_cooc.L.PET	-0.0374685431	0.502593912	0.839848446
## ASM_cooc.L.PET	-0.0642970676	0.991530814	0.353071458
## Contrast_cooc.L.PET	-0.1227643485	0.292369557	0.414822392
## Dissimilarity_cooc.L.PET	-0.1122663351	0.356918844	0.613267436
## Inv_diff_cooc.L.PET	-0.0172908859	0.548829171	0.771218070
## Inv_diff_norm_cooc.L.PET	-0.0486280320	0.463640991	0.872011597
## IDM_cooc.L.PET	-0.0122320850	0.601451044	0.697604315

## IDM_norm_cooc.L.PET	-0.0526740629	0.461263252	0.872415293
## Inv_var_cooc.L.PET	-0.0063057735	0.599590671	0.699463969
## Correlation_cooc.L.PET	0.1380262842	0.311717036	0.640380702
## Autocorrelation_cooc.L.PET	-0.0341729878	0.315270992	0.393877097
## Tendency_cooc.L.PET	0.0461119984	0.287716651	0.578051895
## Shade_cooc.L.PET	0.1691470841	0.082853114	0.511025168
## Prominence_cooc.L.PET	0.0977962316	0.209182824	0.473783505
## IC1_.L.PET	-0.0695424165	0.082095578	-0.350150487
## IC2_.L.PET	-0.0060800870	0.512969799	0.795953393
## Coarseness_vdif_.L.PET	-0.0565114088	0.900330285	0.391356337
## Contrast_vdif_.L.PET	-0.0682506385	0.194649079	0.144490700
## Busyness_vdif_.L.PET	-0.0757172658	-0.025140166	0.285571223
## Complexity_vdif_.L.PET	-0.1355059811	0.415313874	0.593354659
## Strength_vdif_.L.PET	-0.0016333826	0.258180655	0.327484832
## SRE_align.L.PET	-0.0613778193	0.466961439	0.867616779
## LRE_align.L.PET	-0.0510005019	0.450017378	0.868640097
## GLNU_align.L.PET	-0.0561942706	-0.009754511	0.209888967
## RLNU_align.L.PET	-0.0579210220	-0.056804449	0.160420331
## RP_align.L.PET	-0.0618965167	0.467009920	0.867408968
## LGRE_align.L.PET	-0.0756535282	0.626892049	0.649651409
## HGRE_align.L.PET	-0.0475831358	0.326610487	0.406156181
## LGSRE_align.L.PET	-0.0780689638	0.637654298	0.650336465
## HGSRE_align.L.PET	-0.0486648574	0.327287266	0.405947381
## LGHRE_align.L.PET	-0.0653776946	0.582852773	0.642538385
## HGLRE_align.L.PET	-0.0430764312	0.322597029	0.405856154
## GLNU_norm_align.L.PET	-0.0656932914	0.888849285	0.619922823
## RLNU_norm_align.L.PET	-0.0634874950	0.467958882	0.865388490
## GLVAR_align.L.PET	-0.0197498010	0.317623328	0.535826885
## RLVAR_align.L.PET	-0.0332636710	0.827980083	0.550794934
## Entropy_align.L.PET	-0.0516509027	0.403967987	0.833558745
## SZSE.L.PET	-0.0625120390	0.471858685	0.839113984
## LZSE.L.PET	-0.0319258706	0.283050533	0.632145091
## LGLZE.L.PET	-0.0813051125	0.640449366	0.648400648
## HGLZE.L.PET	-0.0470427997	0.329048211	0.417054947
## SZLGE.L.PET	-0.0878986931	0.673237276	0.638423126
## SZHGE.L.PET	-0.0481137609	0.334962741	0.414245404
## LZLGE.L.PET	-0.0341474683	0.444487472	0.586362979
## LZHGE.L.PET	-0.0358008226	0.241295638	0.336962726
## GLNU_area.L.PET	-0.0576497940	-0.015918244	0.208285020
## ZSNU.L.PET	-0.0587971972	-0.066095133	0.157336798
## ZSP.L.PET	-0.0609542701	0.468957552	0.847388207
## GLNU_norm.L.PET	-0.0664879689	0.892860881	0.617782021
## ZSNU_norm.L.PET	-0.0611596886	0.469746657	0.849669723
## GLVAR_area.L.PET	-0.0180161380	0.326574091	0.544512211
## ZSVAR.L.PET	-0.0364699663	0.345050216	0.403592874
## Entropy_area.L.PET	-0.0531455608	0.402083843	0.837178809
## Max_cooc.H.PET	0.3577998087	0.351121931	0.514778126
## Average_cooc.H.PET	0.0101724400	0.422351180	0.908719407
## Variance_cooc.H.PET	-0.2195197455	0.363014448	0.582224116
## Entropy_cooc.H.PET	-0.1841185447	0.301881233	0.629300110
## DAVE_cooc.H.PET	-0.2318659288	0.380554895	0.640691194
## DVAR_cooc.H.PET	-0.2062086506	0.394353240	0.610441687
## DENT_cooc.H.PET	-0.0187518139	0.224394170	0.711238672
## SAVE_cooc.H.PET	0.0014673227	0.410773488	0.897201589

## SVAR_cooc.H.PET	-0.0495940418	0.365019496	0.664454942
## SENT_cooc.H.PET	-0.1489243903	0.626983235	0.490186823
## ASM_cooc.H.PET	0.3420369854	0.450123874	0.479197196
## Contrast_cooc.H.PET	-0.2374604026	0.355828986	0.527484442
## Dissimilarity_cooc.H.PET	-0.2318659288	0.380554895	0.640691194
## Inv_diff_cooc.H.PET	0.2713950895	0.423069248	0.772306977
## Inv_diff_norm_cooc.H.PET	-0.0236532616	0.470408697	0.889580845
## IDM_cooc.H.PET	0.3092926157	0.389100912	0.699940894
## IDM_norm_cooc.H.PET	-0.0434260554	0.464905919	0.880852439
## Inv_var_cooc.H.PET	-0.1319878230	0.907201450	0.470457683
## Correlation_cooc.H.PET	0.0883050437	0.320377525	0.601948756
## Autocorrelation_cooc.H.PET	0.0717139756	0.408986364	0.906284211
## Tendency_cooc.H.PET	-0.1902034141	0.334306405	0.559716938
## Shade_cooc.H.PET	0.2312247986	-0.223860538	-0.132980362
## Prominence_cooc.H.PET	-0.2234028518	0.240011147	0.316114101
## IC1_d.H.PET	-0.4352740694	0.387872649	-0.223509868
## IC2_d.H.PET	0.0556466006	0.376601667	0.686891447
## Coarseness_vdif.H.PET	-0.0586954718	0.986904808	0.349872490
## Contrast_vdif.H.PET	-0.0105370592	0.227295005	0.262119043
## Busyness_vdif.H.PET	-0.0599409334	-0.392509774	0.109541278
## Complexity_vdif.H.PET	-0.1282471138	0.676385342	0.479878186
## Strength_vdif.H.PET	0.1521621258	0.095226213	0.183700799
## SRE_align.H.PET	-0.1736621667	0.456023920	0.792707927
## LRE_align.H.PET	0.4914552921	0.282603052	0.749964172
## RLNU_align.H.PET	-0.1008819993	-0.038518257	0.142292356
## RP_align.H.PET	-0.1889969502	0.453513069	0.771795352
## LGRE_align.H.PET	-0.0796421057	0.999798048	0.343977867
## HGRE_align.H.PET	0.0732526683	0.404439150	0.912822054
## LGSRE_align.H.PET	-0.0797664096	0.999751794	0.342167253
## HGSRE_align.H.PET	-0.0788189406	0.416353248	0.893870761
## LGHRE_align.H.PET	-0.0699891113	0.999453519	0.356760160
## HGLRE_align.H.PET	0.5676926214	0.204009987	0.608317650
## GLNU_norm_align.H.PET	0.2386133691	0.393263296	0.662935174
## RLNU_norm_align.H.PET	-0.2293243185	0.434336803	0.697631648
## GLVAR_align.H.PET	-0.2211720177	0.346087533	0.544057548
## RLVAR_align.H.PET	0.6413388806	0.167313479	0.475939208
## Entropy_align.H.PET	-0.0999612824	0.355651467	0.701858121
## SZSE.H.PET	-0.1625577969	0.409383923	0.650885991
## LZSE.H.PET	1.0000000000	-0.080801368	0.148529828
## LGLZE.H.PET	-0.0808013682	1.000000000	0.341453880
## HGLZE.H.PET	0.1485298277	0.341453880	1.000000000
## SZLGE.H.PET	-0.0787031434	0.999841623	0.338591544
## SZHGE.H.PET	-0.0082978708	0.331646593	0.766887634
## LZLGE.H.PET	0.9490376230	0.052312685	0.184075075
## LZHGE.H.PET	0.9595227456	-0.041996145	0.160898414
## GLNU_area.H.PET	-0.1011251951	-0.068710554	0.200966377
## ZSNU.H.PET	-0.1123324822	-0.039123889	0.098558450
## ZSP.H.PET	-0.2785726715	0.312310044	0.435054674
## GLNU_norm.H.PET	0.2110339597	0.400602649	0.616468481
## ZSNU_norm.H.PET	-0.1964351802	0.354955704	0.502861056
## GLVAR_area.H.PET	-0.2307658921	0.336205343	0.534968886
## ZSVAR.H.PET	0.9867955766	-0.059450311	0.145757443
## Entropy_area.H.PET	-0.1031137206	0.382575050	0.790282745
## Max_cooc.W.PET	0.2472266772	0.588576532	0.490856158

## Average_cooc.W.PET	-0.2085915714	0.199994616	0.253933176
## Variance_cooc.W.PET	-0.1717663688	0.111106104	0.064790295
## Entropy_cooc.W.PET	-0.1964390969	0.330863076	0.634292724
## DAVE_cooc.W.PET	-0.2297149997	0.215267546	0.310169243
## DVAR_cooc.W.PET	-0.1824990595	0.113102746	0.085476054
## DENT_cooc.W.PET	-0.2161533021	0.342878831	0.622553975
## SAVE_cooc.W.PET	-0.2085052780	0.198000779	0.253299547
## SVAR_cooc.W.PET	-0.1600266483	0.106789084	0.053590980
## SENT_cooc.W.PET	-0.1598368753	0.447533695	0.687189707
## ASM_cooc.W.PET	0.1833939360	0.775725331	0.463459348
## Contrast_cooc.W.PET	-0.1870832184	0.111235018	0.087904077
## Dissimilarity_cooc.W.PET	-0.2297149997	0.215267546	0.310169243
## Inv_diff_cooc.W.PET	0.1859483394	0.443060777	0.804336652
## Inv_diff_norm_cooc.W.PET	-0.0443108659	0.464982264	0.873913601
## IDM_cooc.W.PET	0.2537732001	0.402383103	0.717183087
## IDM_norm_cooc.W.PET	-0.0518630577	0.462040435	0.872446855
## Inv_var_cooc.W.PET	0.1763831777	0.439835718	0.738252174
## Correlation_cooc.W.PET	0.1278425254	0.311022683	0.634711044
## Autocorrelation_cooc.W.PET	-0.1715848677	0.092194407	0.018438115
## Tendency_cooc.W.PET	-0.1600266483	0.106789084	0.053590980
## Shade_cooc.W.PET	-0.0714223168	0.063776719	-0.016041500
## Prominence_cooc.W.PET	-0.0685248084	0.042889694	-0.075116827
## IC1_d.W.PET	-0.3921549307	0.443230616	-0.216204022
## IC2_d.W.PET	0.0434868055	0.436605885	0.733654181
## Coarseness_vdif.W.PET	-0.0546017229	0.822794023	0.360648119
## Contrast_vdif.W.PET	-0.2022657778	0.315763679	0.247883145
## Busyness_vdif.W.PET	0.3912195929	-0.126960466	0.407714142
## Complexity_vdif.W.PET	-0.1292338891	0.087505617	0.004040752
## Strength_vdif.W.PET	-0.1022014984	0.199683082	0.178577741
## SRE_align.W.PET	-0.1126135976	0.463010656	0.837118586
## LRE_align.W.PET	0.2629186214	0.393496988	0.878921183
## GLNU_align.W.PET	0.0610683464	-0.081072823	0.273700002
## RLNU_align.W.PET	-0.0844576389	-0.043154017	0.150803780
## RP_align.W.PET	-0.1314703562	0.461768092	0.825318213
## LGRE_align.W.PET	0.2192594069	0.361049758	0.676764365
## HGRE_align.W.PET	-0.1727241106	0.083783070	0.021451485
## LGSRE_align.W.PET	0.1731354200	0.392084089	0.690726382
## HGSRE_align.W.PET	-0.1732651815	0.081980076	0.018820273
## LCHRE_align.W.PET	0.4539542812	0.228483326	0.588783509
## HGLRE_align.W.PET	-0.1662992571	0.090632714	0.032576516
## GLNU_norm_align.W.PET	0.2155395241	0.497975892	0.655010233
## RLNU_norm_align.W.PET	-0.1643581744	0.453692400	0.787552730
## GLVAR_align.W.PET	-0.1728021066	0.104037201	0.052434376
## RLVAR_align.W.PET	0.5991064609	0.309666123	0.532308321
## Entropy_align.W.PET	-0.1310496773	0.356028481	0.696451944
## SZSE.W.PET	-0.1559558518	0.452492457	0.757345916
## LZSE.W.PET	0.7540109178	0.064208476	0.337438024
## LGLZE.W.PET	0.2251550487	0.386808085	0.674106766
## HGLZE.W.PET	-0.1736217505	0.084426312	0.030097950
## SZLGE.W.PET	0.1493166754	0.476989471	0.694572147
## SZHGE.W.PET	-0.1733441220	0.079730592	0.023730334
## LZLGE.W.PET	0.8370047207	-0.011899082	0.273337295
## LZHGE.W.PET	-0.0375685591	0.118532363	0.087101254
## GLNU_area.W.PET	-0.0214433365	-0.074576975	0.242804845

## ZSNU.W.PET	-0.1041964147	-0.039138207	0.126010382
## ZSP.W.PET	-0.2377630725	0.406746470	0.651784555
## GLNU_norm.W.PET	0.2060357873	0.516459719	0.639720262
## ZSNU_norm.W.PET	-0.2140975289	0.412392600	0.656096291
## GLVAR_area.W.PET	-0.1720813899	0.109251801	0.058096817
## ZSVAR.W.PET	0.8057043363	0.030571328	0.251320712
## Entropy_area.W.PET	-0.0883745939	0.373414453	0.767172679
## Min_hist.ADC	-0.0708933027	0.206125140	0.226877502
## Max_hist.ADC	-0.0243685282	0.357519699	0.823593720
## Mean_hist.ADC	-0.0506574813	0.356205868	0.794224885
## Variance_hist.ADC	0.0938516542	0.259263780	0.537255477
## Standard_Deviation_hist.ADC	0.0430351033	0.348016481	0.743984365
## Skewness_hist.ADC	-0.1057267290	0.147708735	0.094277700
## Kurtosis_hist.ADC	-0.0605981934	0.112177518	0.186886099
## Energy_hist.ADC	-0.0623863063	0.985602297	0.358410754
## Entropy_hist.ADC	-0.0356894242	0.390678155	0.844598621
## AUC_hist.ADC	-0.0818479366	0.475794038	0.821406505
## Volume.ADC	-0.0697933961	-0.134843595	0.262101861
## X3D_surface.ADC	-0.0147445921	0.104260427	0.377210183
## ratio_3ds_vol.ADC	-0.0614550962	0.465535644	0.547800834
## ratio_3ds_vol_norm.ADC	-0.0801619646	0.368137481	0.819513473
## irregularity.ADC	-0.0613569127	0.466934724	0.817682507
## Compactness_v1.ADC	-0.0568687296	0.934784295	0.575171134
##	SZLGE.H.PET	SZHGE.H.PET	LZLGE.H.PET
## Failure	0.048182796	-0.028814565	-0.0544367435
## Entropy_cooc.W.ADC	-0.020661971	-0.020990540	0.1675021963
## GLNU_align.H.PET	0.046835896	-0.121132868	0.1721679396
## Min_hist.PET	0.156026087	0.607849840	-0.2563894114
## Max_hist.PET	0.181031222	0.598009443	-0.2325215051
## Mean_hist.PET	0.164268238	0.578660967	-0.2519843566
## Variance_hist.PET	0.100533506	0.353237235	-0.2051559611
## Standard_Deviation_hist.PET	0.207194366	0.591762328	-0.2311974510
## Skewness_hist.PET	0.271714144	0.658411294	0.0407081407
## Kurtosis_hist.PET	0.131317224	0.256204868	0.0132458097
## Energy_hist.PET	0.971252963	0.349659332	0.0654779842
## Entropy_hist.PET	0.297453056	0.704242794	0.0131898812
## AUC_hist.PET	0.496317581	0.833333524	0.0278702092
## H_suv.PET	0.304974409	0.610554080	-0.2446858118
## Volume.PET	-0.133157185	0.268046054	-0.0758204270
## X3D_surface.PET	0.121513970	0.157369575	0.0305272786
## ratio_3ds_vol.PET	0.615422502	0.554985862	0.0782831086
## ratio_3ds_vol_norm.PET	0.630761057	0.464981478	0.1607155586
## irregularity.PET	0.456206646	0.847492468	0.0039910981
## tumor_length.PET	0.342838478	0.449894434	0.0715115440
## Compactness_v1.PET	0.919159396	0.435948924	0.0051983537
## Compactness_v2.PET	-0.242513180	0.261018656	-0.1530586346
## Spherical_disproportion.PET	0.630761057	0.464981478	0.1607155586
## Sphericity.PET	-0.389889387	0.266614086	-0.1637502655
## Asphericity.PET	0.628801862	0.446211411	0.1635677227
## Center_of_mass.PET	0.184535292	0.343571558	0.1450328534
## Max_3D_diam.PET	-0.128805136	0.400481890	-0.0655216853
## Major_axis_length.PET	0.012653338	0.428087913	-0.0467444082
## Minor_axis_length.PET	0.161037651	0.513654435	0.0390140398
## Least_axis_length.PET	0.042791663	0.405320491	-0.0042599534

## Elongation.PET	0.474600529	0.667312972	0.0658028216
## Flatness.PET	0.374946064	0.566689652	0.0334132783
## Max_cooc.L.PET	0.985834588	0.355356856	0.0727612043
## Average_cooc.L.PET	0.370195530	0.571544229	-0.0058330260
## Variance_cooc.L.PET	0.305087248	0.547924703	0.0028024686
## Entropy_cooc.L.PET	0.382397260	0.791176485	-0.0035344125
## DAVE_cooc.L.PET	0.355581169	0.682720656	-0.0912734929
## DVAR_cooc.L.PET	0.392830949	0.693048229	-0.1299022387
## DENT_cooc.L.PET	0.415074770	0.826350501	-0.0328930872
## SAVE_cooc.L.PET	0.369125463	0.571408630	-0.0059227942
## SVAR_cooc.L.PET	0.286223175	0.498499904	0.0802777475
## SENT_cooc.L.PET	0.496689876	0.783354655	0.0348414936
## ASM_cooc.L.PET	0.992496216	0.321211146	0.0707634355
## Contrast_cooc.L.PET	0.293696057	0.552617234	-0.1206405780
## Dissimilarity_cooc.L.PET	0.355581169	0.682720656	-0.0912734929
## Inv_diff_cooc.L.PET	0.541953509	0.689881198	0.0784791574
## Inv_diff_norm_cooc.L.PET	0.456780262	0.822083728	0.0201747009
## IDM_cooc.L.PET	0.595386559	0.611415246	0.0937552891
## IDM_norm_cooc.L.PET	0.454565912	0.825700909	0.0140911124
## Inv_var_cooc.L.PET	0.593867936	0.624370699	0.0939548870
## Correlation_cooc.L.PET	0.303662929	0.398017864	0.2306185152
## Autocorrelation_cooc.L.PET	0.308743958	0.333642877	0.0265418797
## Tendency_cooc.L.PET	0.286223175	0.498499904	0.0802777475
## Shade_cooc.L.PET	0.087577049	0.457040410	0.1467300201
## Prominence_cooc.L.PET	0.210945715	0.376780187	0.1125720328
## IC1_.L.PET	0.082333622	-0.347335188	-0.0847023259
## IC2_.L.PET	0.509016961	0.747893992	0.0741330018
## Coarseness_vdif_.L.PET	0.902004206	0.366523633	0.0741213277
## Contrast_vdif_.L.PET	0.197523951	0.332692766	-0.0650809077
## Busyness_vdif_.L.PET	-0.030441311	0.278854104	-0.0766995098
## Complexity_vdif_.L.PET	0.415627588	0.714976954	-0.1160966728
## Strength_vdif_.L.PET	0.262902380	0.406170887	0.0147122437
## SRE_align.L.PET	0.460833232	0.836823493	0.0014403501
## LRE_align.L.PET	0.442763373	0.810808523	0.0197432002
## GLNU_align.L.PET	-0.016061467	0.202129174	-0.0468521080
## RLNU_align.L.PET	-0.064067243	0.157685476	-0.0555904630
## RP_align.L.PET	0.460896080	0.836042210	0.0008608404
## LGRE_align.L.PET	0.629010880	0.663564860	-0.0024201861
## HGRE_align.L.PET	0.320436067	0.385726060	0.0146108100
## LGSRE_align.L.PET	0.639797875	0.665833997	-0.0037804876
## HGSRE_align.L.PET	0.321329352	0.390282010	0.0124078438
## LGHRE_align.L.PET	0.584847572	0.649870291	0.0041562694
## HGLRE_align.L.PET	0.315531568	0.365721052	0.0238445038
## GLNU_norm_align.L.PET	0.888734372	0.592849238	0.0516490333
## RLNU_norm_align.L.PET	0.461947585	0.834242630	-0.0012101571
## GLVAR_align.L.PET	0.315739331	0.526187641	0.0119914547
## RLVAR_align.L.PET	0.823811502	0.472604513	0.1028117333
## Entropy_align.L.PET	0.396480183	0.786883683	0.0075647606
## SZSE.L.PET	0.467187103	0.858409886	-0.0123642595
## LZSE.L.PET	0.273299010	0.431918809	0.0578079249
## LGLZE.L.PET	0.642402465	0.664452840	-0.0046336163
## HGLZE.L.PET	0.322961139	0.407905294	0.0144773724
## SZLGE.L.PET	0.675634992	0.678246998	-0.0120856805
## SZHGE.L.PET	0.330137338	0.451354651	0.0036453365

## LZLGE.L.PET	0.444817621	0.521845449	0.0364027267
## LZHGE.L.PET	0.231284551	0.152868873	0.0513076954
## GLNU_area.L.PET	-0.022015983	0.211569634	-0.0528218995
## ZSNU.L.PET	-0.073019823	0.171263354	-0.0630576407
## ZSP.L.PET	0.464058635	0.857446609	-0.0092229390
## GLNU_norm.L.PET	0.892691593	0.589924407	0.0517174745
## ZSNU_norm.L.PET	0.464266616	0.844312267	-0.0053742754
## GLVAR_area.L.PET	0.324652834	0.544725252	0.0150039779
## ZSVAR.L.PET	0.337085187	0.226939614	0.0609101059
## Entropy_area.L.PET	0.394387246	0.783179737	0.0083980814
## Max_cooc.H.PET	0.355366483	0.185718634	0.4300207365
## Average_cooc.H.PET	0.417518716	0.791095530	0.0725726806
## Variance_cooc.H.PET	0.353098912	0.710002669	-0.1723489613
## Entropy_cooc.H.PET	0.295496920	0.787076534	-0.1836616918
## DAVE_cooc.H.PET	0.374243143	0.799194922	-0.2037764108
## DVAR_cooc.H.PET	0.388122008	0.734008848	-0.1539284734
## DENT_cooc.H.PET	0.218109749	0.719608900	-0.0081956552
## SAVE_cooc.H.PET	0.404985111	0.806667399	0.0609494097
## SVAR_cooc.H.PET	0.354987820	0.661704797	0.0098485260
## SENT_cooc.H.PET	0.621513245	0.612613339	-0.0865069829
## ASM_cooc.H.PET	0.453770048	0.154614089	0.4049543675
## Contrast_cooc.H.PET	0.350154000	0.727154143	-0.2181862588
## Dissimilarity_cooc.H.PET	0.374243143	0.799194922	-0.2037764108
## Inv_diff_cooc.H.PET	0.421729904	0.430283446	0.3792470652
## Inv_diff_norm_cooc.H.PET	0.464241818	0.817227787	0.0463461889
## IDM_cooc.H.PET	0.388883561	0.327230551	0.4184080715
## IDM_norm_cooc.H.PET	0.458596880	0.826649871	0.0232723115
## Inv_var_cooc.H.PET	0.905487545	0.539414020	-0.0306897159
## Correlation_cooc.H.PET	0.311381708	0.411063736	0.1811040631
## Autocorrelation_cooc.H.PET	0.405271394	0.713334441	0.1352567595
## Tendency_cooc.H.PET	0.322986069	0.637248798	-0.1321991401
## Shade_cooc.H.PET	-0.211499627	-0.196787458	0.1958959663
## Prominence_cooc.H.PET	0.227133884	0.454252634	-0.1949338388
## IC1_d.H.PET	0.393792137	0.031452010	-0.4555369786
## IC2_d.H.PET	0.367825479	0.570653515	0.1434046206
## Coarseness_vdif.H.PET	0.988167972	0.329094832	0.0655620615
## Contrast_vdif.H.PET	0.228193204	0.025519848	0.1143454508
## Busyness_vdif.H.PET	-0.395291747	0.147827958	-0.1119724880
## Complexity_vdif.H.PET	0.674089157	0.540668643	-0.0425241746
## Strength_vdif.H.PET	0.097782466	0.091658817	0.0615308295
## SRE_align.H.PET	0.449392360	0.864283619	-0.1287821324
## LRE_align.H.PET	0.279958062	0.390564695	0.5568076187
## RLNU_align.H.PET	-0.045812127	0.175866416	-0.1103226513
## RP_align.H.PET	0.446923010	0.865542679	-0.1494292154
## LGRE_align.H.PET	0.999786339	0.333114665	0.0535304502
## HGRE_align.H.PET	0.400958011	0.745669263	0.1377052234
## LGSRE_align.H.PET	0.999802546	0.331690711	0.0531409670
## HGSRE_align.H.PET	0.412366815	0.857342057	-0.0280447372
## LGHRE_align.H.PET	0.999094100	0.337957721	0.0659651873
## HGLRE_align.H.PET	0.203318449	0.216524962	0.6288258343
## GLNU_norm_align.H.PET	0.395903561	0.325439495	0.3183488416
## RLNU_norm_align.H.PET	0.427769764	0.858500963	-0.2041025832
## GLVAR_align.H.PET	0.335525858	0.670603607	-0.1778506749
## RLVAR_align.H.PET	0.167292633	0.068646328	0.7307223598

## Entropy_align.H.PET	0.346524849	0.783453418	-0.0625788678
## SZSE.H.PET	0.404139405	0.898802752	-0.1569551470
## LZSE.H.PET	-0.078703143	-0.008297871	0.9490376230
## LGLZE.H.PET	0.999841623	0.331646593	0.0523126849
## HGLZE.H.PET	0.338591544	0.766887634	0.1840750754
## SZLGE.H.PET	1.000000000	0.330238360	0.0535111963
## SZHGE.H.PET	0.330238360	1.000000000	-0.0149358302
## LZLGE.H.PET	0.053511196	-0.014935830	1.0000000000
## LZHGE.H.PET	-0.039938711	-0.031965469	0.9123508349
## GLNU_area.H.PET	-0.074987722	0.215288674	-0.1111451738
## ZSNU.H.PET	-0.045648816	0.187874129	-0.1360841047
## ZSP.H.PET	0.307655581	0.787119943	-0.3069234869
## GLNU_norm.H.PET	0.402192618	0.264201924	0.3119256489
## ZSNU_norm.H.PET	0.349675070	0.821495094	-0.2070721344
## GLVAR_area.H.PET	0.325910988	0.658766018	-0.1956483904
## ZSVAR_H.PET	-0.057333872	-0.025337706	0.9665020661
## Entropy_area.H.PET	0.373797436	0.773983717	-0.0468191180
## Max_cooc.W.PET	0.592270260	0.236842929	0.3280586975
## Average_cooc.W.PET	0.190986019	0.525236082	-0.2255606156
## Variance_cooc.W.PET	0.106374182	0.374414357	-0.2044659993
## Entropy_cooc.W.PET	0.322476381	0.796925496	-0.1807835168
## DAVE_cooc.W.PET	0.209623709	0.646049249	-0.2612001555
## DVAR_cooc.W.PET	0.108867916	0.434465752	-0.2230667761
## DENT_cooc.W.PET	0.335852783	0.829914991	-0.2094887041
## SAVE_cooc.W.PET	0.188988202	0.524730668	-0.2257556463
## SVAR_cooc.W.PET	0.101984863	0.334391129	-0.1870788807
## SENT_cooc.W.PET	0.439751192	0.808133969	-0.1194529246
## ASM_cooc.W.PET	0.778612641	0.247042439	0.2807466199
## Contrast_cooc.W.PET	0.107113779	0.445388259	-0.2318197077
## Dissimilarity_cooc.W.PET	0.209623709	0.646049249	-0.2612001555
## Inv_diff_cooc.W.PET	0.440539775	0.486280153	0.2969986165
## Inv_diff_norm_cooc.W.PET	0.458177477	0.821484511	0.0245355423
## IDM_cooc.W.PET	0.401227094	0.349936158	0.3693307342
## IDM_norm_cooc.W.PET	0.455361847	0.826133248	0.0147659724
## Inv_var_cooc.W.PET	0.437771927	0.404996264	0.3028750652
## Correlation_cooc.W.PET	0.302879164	0.400745475	0.2195354340
## Autocorrelation_cooc.W.PET	0.084711436	0.295860933	-0.2020090962
## Tendency_cooc.W.PET	0.101984863	0.334391129	-0.1870788807
## Shade_cooc.W.PET	0.062954838	0.137941245	-0.0800201689
## Prominence_cooc.W.PET	0.041245070	0.072111808	-0.0778228900
## IC1_d.W.PET	0.448905053	-0.064426985	-0.3924451821
## IC2_d.W.PET	0.428711218	0.681143163	0.1260078482
## Coarseness_vdif.W.PET	0.824860794	0.355514325	0.0662136338
## Contrast_vdif.W.PET	0.313821036	0.597278995	-0.2231009818
## Busyness_vdif.W.PET	-0.126291567	0.009002101	0.4180927222
## Complexity_vdif.W.PET	0.082750298	0.239884914	-0.1515744259
## Strength_vdif.W.PET	0.201338338	0.464853354	-0.1143274412
## SRE_align.W.PET	0.456538336	0.855873648	-0.0579776048
## LRE_align.W.PET	0.388615466	0.620950316	0.3518323616
## GLNU_align.W.PET	-0.086758593	0.156393361	0.0909831678
## RLNU_align.W.PET	-0.050414900	0.168481842	-0.0882880202
## RP_align.W.PET	0.455240962	0.858348683	-0.0793468835
## LGRE_align.W.PET	0.365715711	0.378360420	0.2842326440
## HGRE_align.W.PET	0.076358189	0.303418891	-0.2047653343

## LGSRE_align.W.PET	0.396587766	0.414239045	0.2432341280
## HGSRE_align.W.PET	0.074740790	0.305123224	-0.2065392696
## LGHRE_align.W.PET	0.233386815	0.234727906	0.4845392567
## HGLRE_align.W.PET	0.082381337	0.293103652	-0.1919493637
## GLNU_norm_align.W.PET	0.500891018	0.344283417	0.2996716618
## RLNU_norm_align.W.PET	0.447044311	0.865869657	-0.1213329532
## GLVAR_align.W.PET	0.098531393	0.353236417	-0.2049585965
## RLVAR_align.W.PET	0.309660821	0.130876170	0.6947086598
## Entropy_align.W.PET	0.347043773	0.792743724	-0.0974400332
## SZSE.W.PET	0.447304703	0.903287188	-0.1241843540
## LZSE.W.PET	0.064563964	-0.047255886	0.7932306666
## LGLZE.W.PET	0.390863745	0.356804674	0.3010776081
## HGLZE.W.PET	0.077202039	0.317133119	-0.2059423228
## SZLGE.W.PET	0.481136081	0.461118581	0.2264302181
## SZHGE.W.PET	0.073251820	0.329012854	-0.2100113542
## LZLGE.W.PET	-0.008488378	0.003619563	0.7680892748
## LZHGE.W.PET	0.105947188	0.086314470	0.0131996798
## GLNU_area.W.PET	-0.080383599	0.196442642	-0.0107128036
## ZSNU.W.PET	-0.045901346	0.187258847	-0.1202294364
## ZSP.W.PET	0.401067344	0.884459370	-0.2283539491
## GLNU_norm.W.PET	0.518924186	0.326673827	0.3125858099
## ZSNU_norm.W.PET	0.406492479	0.881705490	-0.1957934154
## GLVAR_area.W.PET	0.103756953	0.358309237	-0.2031315925
## ZSVAR.W.PET	0.032025808	-0.079041498	0.8288704626
## Entropy_area.W.PET	0.364493588	0.783231389	-0.0428812671
## Min_hist.ADC	0.205477661	0.244595326	-0.0376162493
## Max_hist.ADC	0.352237736	0.763080369	0.0273306931
## Mean_hist.ADC	0.351966144	0.767867736	-0.0006083989
## Variance_hist.ADC	0.258087861	0.401869211	0.1204512342
## Standard_Deviation_hist.ADC	0.344530337	0.635685768	0.0817019624
## Skewness_hist.ADC	0.144789106	0.084531265	-0.0835777875
## Kurtosis_hist.ADC	0.109221612	0.228529886	-0.0330646771
## Energy_hist.ADC	0.986391687	0.315249046	0.0708822716
## Entropy_hist.ADC	0.383933960	0.809880937	0.0176790305
## AUC_hist.ADC	0.469120356	0.800639444	-0.0166479697
## Volume.ADC	-0.140313446	0.272763564	-0.0844833869
## X3D_surface.ADC	0.099622682	0.375433106	0.0091850428
## ratio_3ds_vol.ADC	0.463497489	0.502965168	-0.0053694137
## ratio_3ds_vol_norm.ADC	0.362120135	0.811285279	-0.0302660541
## irregularity.ADC	0.461182628	0.783563469	-0.0038726971
## Compactness_v1.ADC	0.933095885	0.520052561	0.0715915180
##	LZHGE.H.PET	GLNU_area.H.PET	ZSNU.H.PET
## Failure	0.0013548704	-1.786089e-01	-0.1707757161
## Entropy_cooc.W.ADC	0.0941835641	1.225620e-01	0.1248748489
## GLNU_align.H.PET	0.0867067565	2.506275e-01	0.2364149007
## Min_hist.PET	-0.2654361817	2.974579e-01	0.4901265052
## Max_hist.PET	-0.2571084647	4.613618e-01	0.6201653854
## Mean_hist.PET	-0.2647406995	3.436994e-01	0.5474438646
## Variance_hist.PET	-0.2075915543	2.762021e-01	0.5425406387
## Standard_Deviation_hist.PET	-0.2554565075	3.671558e-01	0.5534003423
## Skewness_hist.PET	0.0121969560	1.050031e-01	-0.0290131139
## Kurtosis_hist.PET	-0.0014943102	1.267019e-01	-0.0198522488
## Energy_hist.PET	-0.0238531229	-1.612096e-01	-0.1445263904
## Entropy_hist.PET	-0.0480691005	5.112305e-01	0.4356166522

## AUC_hist.PET	-0.0442387060	2.834003e-01	0.2066669279
## H_suv.PET	-0.2686552087	2.204254e-01	0.3929321182
## Volume.PET	-0.0896056442	7.152021e-01	0.6656747624
## X3D_surface.PET	-0.0157964022	8.439360e-01	0.8013970843
## ratio_3ds_vol.PET	0.0184756427	-2.848600e-01	-0.2800883830
## ratio_3ds_vol_norm.PET	0.0505511672	1.269391e-01	0.1074216446
## irregularity.PET	-0.0390397132	1.286402e-01	0.0724694243
## tumor_length.PET	0.0083073110	6.882166e-01	0.6392427242
## Compactness_v1.PET	-0.0738365002	5.619913e-02	0.0683259856
## Compactness_v2.PET	-0.1132249234	3.377527e-01	0.3648080392
## Spherical_disproportion.PET	0.0505511672	1.269391e-01	0.1074216446
## Sphericity.PET	-0.1100022287	3.797592e-01	0.3688920451
## Asphericity.PET	0.0530822553	1.200481e-01	0.1024293770
## Center_of_mass.PET	0.0821027991	5.933873e-01	0.6182407062
## Max_3D_diam.PET	-0.0654385542	8.248330e-01	0.7956927771
## Major_axis_length.PET	-0.0573276302	8.171111e-01	0.8405304448
## Minor_axis_length.PET	-0.0292104424	7.792133e-01	0.6771954140
## Least_axis_length.PET	-0.0534603404	8.441466e-01	0.7582836919
## Elongation.PET	-0.0343883512	8.815520e-02	-0.0358778698
## Flatness.PET	-0.0542315490	1.964403e-01	0.0725228310
## Max_cooc.L.PET	-0.0114893105	-9.979053e-02	-0.0996827792
## Average_cooc.L.PET	-0.0381472456	2.430252e-02	0.0500522881
## Variance_cooc.L.PET	-0.0057942278	-2.318683e-01	-0.1972337766
## Entropy_cooc.L.PET	-0.0504581220	2.846789e-01	0.2320048460
## DAVE_cooc.L.PET	-0.1010732327	-1.306281e-01	-0.1087221289
## DVAR_cooc.L.PET	-0.1337623850	-1.094975e-01	-0.1027128930
## DENT_cooc.L.PET	-0.0699744272	1.480774e-01	0.1134044877
## SAVE_cooc.L.PET	-0.0381352000	2.443672e-02	0.0501841801
## SVAR_cooc.L.PET	0.0642835815	-1.866427e-01	-0.1650317650
## SENT_cooc.L.PET	-0.0248937109	1.818136e-01	0.1278676214
## ASM_cooc.L.PET	-0.0226245253	-9.349117e-02	-0.0882379439
## Contrast_cooc.L.PET	-0.1163032486	-2.724713e-01	-0.2218155015
## Dissimilarity_cooc.L.PET	-0.1010732327	-1.306281e-01	-0.1087221289
## Inv_diff_cooc.L.PET	-0.0106615100	4.332063e-01	0.3214992348
## Inv_diff_norm_cooc.L.PET	-0.0403529576	3.226027e-01	0.2439104033
## IDM_cooc.L.PET	-0.0044179246	4.185896e-01	0.3044471444
## IDM_norm_cooc.L.PET	-0.0437615679	3.011484e-01	0.2275453253
## Inv_var_cooc.L.PET	0.0025189041	4.263181e-01	0.3134051886
## Correlation_cooc.L.PET	0.1470817211	4.285576e-01	0.3213804398
## Autocorrelation_cooc.L.PET	0.0032181709	-1.169582e-01	-0.0668505382
## Tendency_cooc.L.PET	0.0642835815	-1.866427e-01	-0.1650317650
## Shade_cooc.L.PET	0.1505183146	-1.462694e-01	-0.1462311122
## Prominence_cooc.L.PET	0.1100772982	-3.213350e-01	-0.2914591951
## IC1_.L.PET	-0.0779819596	2.478703e-01	0.2350864959
## IC2_.L.PET	0.0128556609	3.848060e-03	-0.0239308013
## Coarseness_vdif_.L.PET	-0.0027586201	-2.572633e-01	-0.2330580544
## Contrast_vdif_.L.PET	-0.0648039869	-2.413337e-01	-0.2031208618
## Busyness_vdif_.L.PET	-0.1004238189	9.455565e-01	0.8474519025
## Complexity_vdif_.L.PET	-0.1320080306	-1.528517e-01	-0.1258090396
## Strength_vdif_.L.PET	0.0379898560	-3.831456e-01	-0.3598053750
## SRE_align.L.PET	-0.0513526161	2.552659e-01	0.1917001418
## LRE_align.L.PET	-0.0456004591	3.257966e-01	0.2448962675
## GLNU_align.L.PET	-0.0804151456	9.569390e-01	0.8683536006
## RLNU_align.L.PET	-0.0800175489	9.740136e-01	0.9291150144

## RP_align.L.PET	-0.0516321803	2.500071e-01	0.1874128191
## LGRE_align.L.PET	-0.0567795268	6.149968e-02	-0.0402425700
## HGRE_align.L.PET	-0.0117047171	-1.043130e-01	-0.0521525987
## LGSRE_align.L.PET	-0.0592832870	5.540225e-02	-0.0434794888
## HGSRE_align.L.PET	-0.0128433518	-1.110462e-01	-0.0584953744
## LGHRE_align.L.PET	-0.0466870323	8.596027e-02	-0.0266651066
## HGLRE_align.L.PET	-0.0071918698	-7.623439e-02	-0.0259081646
## GLNU_norm_align.L.PET	-0.0336350901	4.062581e-02	-0.0168331696
## RLNU_norm_align.L.PET	-0.0524016352	2.317381e-01	0.1726976074
## GLVAR_align.L.PET	-0.0049867763	-1.897407e-01	-0.1545264827
## RLVAR_align.L.PET	-0.0159122010	2.851492e-01	0.2106044104
## Entropy_align.L.PET	-0.0445767279	2.893897e-01	0.2375546171
## SZSE.L.PET	-0.0503310494	2.347356e-01	0.1816582626
## LZSE.L.PET	-0.0380328633	2.999810e-01	0.2071521130
## LGLZE.L.PET	-0.0653502836	6.200647e-02	-0.0406062823
## HGLZE.L.PET	-0.0129282624	-1.044404e-01	-0.0533259809
## SZLGE.L.PET	-0.0718262099	4.301209e-02	-0.0485326936
## SZHGE.L.PET	-0.0149003460	-1.134965e-01	-0.0606899767
## LZLGE.L.PET	-0.0196015928	1.340422e-01	0.0033107645
## LZHGE.L.PET	-0.0086420335	-3.851117e-02	-0.0031025437
## GLNU_area.L.PET	-0.0812124302	9.678574e-01	0.8837550170
## ZSNU.L.PET	-0.0799407665	9.749172e-01	0.9330429378
## ZSP.L.PET	-0.0480160722	2.178163e-01	0.1670867019
## GLNU_norm.L.PET	-0.0351041520	4.241845e-02	-0.0145055312
## ZSNU_norm.L.PET	-0.0474523723	1.883853e-01	0.1416312933
## GLVAR_area.L.PET	-0.0041126952	-1.886135e-01	-0.1532524341
## ZSVAR.L.PET	-0.0479857119	3.529939e-01	0.2489718710
## Entropy_area.L.PET	-0.0477613918	3.147436e-01	0.2563182723
## Max_cooc.H.PET	0.4789502963	-2.324556e-01	-0.3137054091
## Average_cooc.H.PET	0.0390436371	1.784154e-01	0.0849139189
## Variance_cooc.H.PET	-0.2371045600	4.067593e-01	0.4068052611
## Entropy_cooc.H.PET	-0.1884063212	2.858950e-01	0.2942548306
## DAVE_cooc.H.PET	-0.2547204056	2.307710e-01	0.2248845173
## DVAR_cooc.H.PET	-0.2015068199	2.075640e-01	0.2090096769
## DENT_cooc.H.PET	-0.0837121885	3.856841e-01	0.3830251753
## SAVE_cooc.H.PET	0.0030605245	2.225658e-01	0.1333685251
## SVAR_cooc.H.PET	-0.0853756515	4.399684e-01	0.4126949272
## SENT_cooc.H.PET	-0.1758780651	1.218644e-01	0.1714966012
## ASM_cooc.H.PET	0.4841783102	-2.130419e-01	-0.2766139035
## Contrast_cooc.H.PET	-0.2535415204	1.755448e-01	0.1990075550
## Dissimilarity_cooc.H.PET	-0.2547204056	2.307710e-01	0.2248845173
## Inv_diff_cooc.H.PET	0.3535447751	3.077198e-02	-0.1185212049
## Inv_diff_norm_cooc.H.PET	-0.0076745421	2.673272e-01	0.1909889273
## IDM_cooc.H.PET	0.3985735686	-2.626873e-02	-0.1848446696
## IDM_norm_cooc.H.PET	-0.0322952022	2.729157e-01	0.2003692262
## Inv_var_cooc.H.PET	-0.1221620224	1.050950e-01	0.1633985232
## Correlation_cooc.H.PET	0.0890092768	4.540217e-01	0.3657280258
## Autocorrelation_cooc.H.PET	0.1224680641	1.125739e-01	0.0040515566
## Tendency_cooc.H.PET	-0.2070355807	4.953258e-01	0.4827168073
## Shade_cooc.H.PET	0.2227300938	-2.425506e-01	-0.2093616065
## Prominence_cooc.H.PET	-0.2458238829	5.408327e-01	0.5818098839
## IC1_d.H.PET	-0.4133952523	-2.643235e-01	-0.1465076167
## IC2_d.H.PET	0.0440850358	4.283928e-01	0.3577791920
## Coarseness_vdif.H.PET	-0.0083618079	-1.317924e-01	-0.1141613532

## Contrast_vdif.H.PET	0.1014088072	-1.750419e-01	-0.2364301468
## Busyness_vdif.H.PET	-0.0734454102	5.690204e-01	0.3715623639
## Complexity_vdif.H.PET	-0.1244772835	-1.214041e-01	-0.1173437845
## Strength_vdif.H.PET	0.3066436519	-1.497640e-01	-0.1301790728
## SRE_align.H.PET	-0.1828987353	2.880546e-01	0.2624368075
## LRE_align.H.PET	0.5525434350	7.956521e-02	-0.0700287325
## RLNU_align.H.PET	-0.1220539853	9.463379e-01	0.9754552745
## RP_align.H.PET	-0.2009232278	2.811257e-01	0.2695128934
## LGRE_align.H.PET	-0.0408839749	-6.906710e-02	-0.0406318694
## HGRE_align.H.PET	0.1224631428	1.388875e-01	0.0337147825
## LGSRE_align.H.PET	-0.0409963051	-7.174932e-02	-0.0428410558
## HGSRE_align.H.PET	-0.0590666281	1.823377e-01	0.1099040295
## LGHRE_align.H.PET	-0.0310646101	-5.516063e-02	-0.0319842510
## HGLRE_align.H.PET	0.6690607611	-2.941262e-02	-0.1597144213
## GLNU_norm_align.H.PET	0.3348880157	-1.709756e-01	-0.3055411744
## RLNU_norm_align.H.PET	-0.2521432815	2.766460e-01	0.2981498248
## GLVAR_align.H.PET	-0.2402713002	4.255867e-01	0.4295032910
## RLVAR_align.H.PET	0.7013527151	-3.048863e-02	-0.1904717569
## Entropy_align.H.PET	-0.1216974974	4.394967e-01	0.4487186865
## SZSE.H.PET	-0.1883448092	3.211421e-01	0.3485228479
## LZSE.H.PET	0.9595227456	-1.011252e-01	-0.1123324822
## LGLZE.H.PET	-0.0419961450	-6.871055e-02	-0.0391238886
## HGLZE.H.PET	0.1608984140	2.009664e-01	0.0985584497
## SZLGE.H.PET	-0.0399387112	-7.498772e-02	-0.0456488162
## SZHGE.H.PET	-0.0319654693	2.152887e-01	0.1878741286
## LZLGE.H.PET	0.9123508349	-1.111452e-01	-0.1360841047
## LZHGE.H.PET	1.0000000000	-1.205745e-01	-0.1318884661
## GLNU_area.H.PET	-0.1205745451	1.000000e+00	0.8705566188
## ZSNU.H.PET	-0.1318884661	8.705566e-01	1.0000000000
## ZSP.H.PET	-0.3253104489	2.862181e-01	0.3903304414
## GLNU_norm.H.PET	0.3060855652	-1.635172e-01	-0.2977957934
## ZSNU_norm.H.PET	-0.2351309227	2.857022e-01	0.3781159861
## GLVAR_area.H.PET	-0.2580852065	4.176648e-01	0.4180906771
## ZSVAR.H.PET	0.9758003165	-1.121703e-01	-0.1253530959
## Entropy_area.H.PET	-0.1161996866	4.238661e-01	0.3715080647
## Max_cooc.W.PET	0.3877312510	-2.250822e-01	-0.2678529675
## Average_cooc.W.PET	-0.2450458178	3.728346e-01	0.5740933996
## Variance_cooc.W.PET	-0.2072882026	2.481639e-01	0.5057203324
## Entropy_cooc.W.PET	-0.2310450660	4.066028e-01	0.4484177496
## DAVE_cooc.W.PET	-0.2751595320	2.475320e-01	0.4312008354
## DVAR_cooc.W.PET	-0.2208873681	1.722587e-01	0.4313937578
## DENT_cooc.W.PET	-0.2513523937	3.355763e-01	0.3930213181
## SAVE_cooc.W.PET	-0.2450530550	3.731232e-01	0.5744044648
## SVAR_cooc.W.PET	-0.1926825124	2.762088e-01	0.5249179358
## SENT_cooc.W.PET	-0.1878672017	3.513369e-01	0.3676579442
## ASM_cooc.W.PET	0.3083966203	-1.890373e-01	-0.2161251528
## Contrast_cooc.W.PET	-0.2269891760	1.526963e-01	0.4104018826
## Dissimilarity_cooc.W.PET	-0.2751595320	2.475320e-01	0.4312008354
## Inv_diff_cooc.W.PET	0.2532785902	6.595653e-02	-0.1071748216
## Inv_diff_norm_cooc.W.PET	-0.0347370003	3.185235e-01	0.2391907643
## IDM_cooc.W.PET	0.3344259843	-4.877140e-03	-0.1821410615
## IDM_norm_cooc.W.PET	-0.0427795875	2.997831e-01	0.2260198919
## Inv_var_cooc.W.PET	0.2369333730	4.331941e-02	-0.1455414283
## Correlation_cooc.W.PET	0.1334546279	4.345332e-01	0.3288076284

## Autocorrelation_cooc.W.PET	-0.2022429266	3.076771e-01	0.5937418067
## Tendency_cooc.W.PET	-0.1926825124	2.762088e-01	0.5249179358
## Shade_cooc.W.PET	-0.0864988082	1.219511e-01	0.2675882481
## Prominence_cooc.W.PET	-0.0799228359	1.036703e-01	0.2791509452
## IC1_d.W.PET	-0.3664432334	-1.941374e-01	-0.1162387122
## IC2_d.W.PET	0.0355119099	3.246905e-01	0.2813861337
## Coarseness_vdif.W.PET	0.0021864902	-2.759347e-01	-0.2481223945
## Contrast_vdif.W.PET	-0.2351738183	-7.096068e-02	0.1000545713
## Busyness_vdif.W.PET	0.4137578893	2.716831e-01	0.0342039622
## Complexity_vdif.W.PET	-0.1539318983	2.932690e-01	0.5405350971
## Strength_vdif.W.PET	-0.1295842604	-1.503385e-01	-0.0904447312
## SRE_align.W.PET	-0.1133882985	2.818667e-01	0.2346076249
## LRE_align.W.PET	0.3110125891	1.714153e-01	0.0391936246
## GLNU_align.W.PET	0.0404835904	9.247990e-01	0.6789146987
## RLNU_align.W.PET	-0.1060601457	9.634925e-01	0.9564991664
## RP_align.W.PET	-0.1347732911	2.824069e-01	0.2423111196
## LGRE_align.W.PET	0.2920211590	-1.881372e-01	-0.3259452504
## HGRE_align.W.PET	-0.2041511774	3.146887e-01	0.5998706919
## LGSRE_align.W.PET	0.2390591724	-1.809695e-01	-0.3214359985
## HGSRE_align.W.PET	-0.2049732498	3.080184e-01	0.5953778138
## LGHRE_align.W.PET	0.5421026320	-2.026137e-01	-0.3179906033
## HGLRE_align.W.PET	-0.1962404721	3.417367e-01	0.6163672520
## GLNU_norm_align.W.PET	0.3203596604	-1.867221e-01	-0.3007166575
## RLNU_norm_align.W.PET	-0.1760969178	2.869658e-01	0.2670850619
## GLVAR_align.W.PET	-0.2074780119	2.780407e-01	0.5435179879
## RLVAR_align.W.PET	0.6774142282	-5.039010e-02	-0.1993834449
## Entropy_align.W.PET	-0.1540733608	4.312681e-01	0.4437221172
## SZSE.W.PET	-0.1640863179	3.016614e-01	0.2918247398
## LZSE.W.PET	0.8612932779	-1.411530e-01	-0.2048257771
## LGLZE.W.PET	0.3003526097	-1.788040e-01	-0.3240808385
## HGLZE.W.PET	-0.2061397431	3.136707e-01	0.5959630663
## SZLGE.W.PET	0.2140612106	-1.472107e-01	-0.2864015180
## SZHGE.W.PET	-0.2057634250	2.964662e-01	0.5832681926
## LZLGE.W.PET	0.9101621380	-1.589380e-01	-0.1770363769
## LZHGE.W.PET	-0.0221751999	2.974019e-01	0.4797259769
## GLNU_area.W.PET	-0.0416284211	9.760722e-01	0.7715640797
## ZSNU.W.PET	-0.1241448867	9.312750e-01	0.9880959558
## ZSP.W.PET	-0.2689000550	3.206768e-01	0.3471597362
## GLNU_norm.W.PET	0.3041825338	-1.831198e-01	-0.2989973953
## ZSNU_norm.W.PET	-0.2370767067	3.032731e-01	0.3459872294
## GLVAR_area.W.PET	-0.2069593238	2.760521e-01	0.5364188726
## ZSVAR.W.PET	0.9124088747	-1.553443e-01	-0.2007891786
## Entropy_area.W.PET	-0.1043049315	4.209492e-01	0.3949333606
## Min_hist.ADC	-0.0258586487	-1.300427e-01	-0.0363746189
## Max_hist.ADC	-0.0366866792	3.371428e-01	0.2520573572
## Mean_hist.ADC	-0.0448878522	1.861144e-01	0.1259219750
## Variance_hist.ADC	0.0724574308	2.791266e-01	0.2237263813
## Standard_Deviation_hist.ADC	0.0230620232	3.136342e-01	0.2379250830
## Skewness_hist.ADC	-0.0601891977	1.607790e-01	0.1669848457
## Kurtosis_hist.ADC	-0.0501027325	1.175332e-01	0.1073815348
## Energy_hist.ADC	-0.0149293948	-1.123628e-01	-0.1012081092
## Entropy_hist.ADC	-0.0504611553	3.456142e-01	0.2731081346
## AUC_hist.ADC	-0.0673671605	3.172319e-01	0.2424317320
## Volume.ADC	-0.0959114815	6.983441e-01	0.6496817437

## X3D_surface.ADC	-0.0457875075	5.173391e-01	0.4231957442
## ratio_3ds_vol.ADC	-0.0155115237	-4.972540e-02	-0.0738258584
## ratio_3ds_vol_norm.ADC	-0.0820754207	4.109542e-01	0.2868844737
## irregularity.ADC	-0.0413732767	1.920434e-01	0.1409808965
## Compactness_v1.ADC	-0.0165318367	-4.381107e-02	-0.0349421821
##	ZSP.H.PET	GLNU_norm.H.PET	ZSNU_norm.H.PET
## Failure	-4.793235e-02	0.129471104	-0.063814275
## Entropy_cooc.W.ADC	-2.916303e-02	-0.029721296	-0.010283120
## GLNU_align.H.PET	-1.043346e-01	-0.057317599	-0.069710052
## Min_hist.PET	8.616323e-01	-0.273569999	0.853524933
## Max_hist.PET	8.467155e-01	-0.303507341	0.851126579
## Mean_hist.PET	8.744742e-01	-0.314580939	0.865988015
## Variance_hist.PET	6.888121e-01	-0.440115006	0.672657073
## Standard_Deviation_hist.PET	8.835814e-01	-0.322152407	0.881058907
## Skewness_hist.PET	2.956675e-01	0.410441065	0.351840450
## Kurtosis_hist.PET	2.538766e-02	0.169188112	0.063551568
## Energy_hist.PET	2.481585e-01	0.496407236	0.289048569
## Entropy_hist.PET	6.315650e-01	0.313970612	0.682100586
## AUC_hist.PET	6.602385e-01	0.540267949	0.715162496
## H_suv.PET	9.127346e-01	-0.245555998	0.906934089
## Volume.PET	3.062131e-01	-0.108682967	0.304842103
## X3D_surface.PET	2.169612e-01	-0.086140274	0.229028820
## ratio_3ds_vol.PET	3.074491e-01	0.596196806	0.356757877
## ratio_3ds_vol_norm.PET	3.241680e-01	0.409612544	0.393241696
## irregularity.PET	6.252085e-01	0.606362666	0.673177285
## tumor_length.PET	4.415229e-01	0.134867539	0.491538845
## Compactness_v1.PET	3.909838e-01	0.413009112	0.421646833
## Compactness_v2.PET	3.013537e-01	-0.117677430	0.263784761
## Spherical_disproportion.PET	3.241680e-01	0.409612544	0.393241696
## Sphericity.PET	2.920214e-01	-0.133513927	0.255613839
## Asphericity.PET	3.080521e-01	0.400277708	0.376700220
## Center_of_mass.PET	3.099963e-01	0.018287931	0.349909679
## Max_3D_diam.PET	4.382535e-01	-0.099636632	0.446262722
## Major_axis_length.PET	4.834009e-01	-0.060476688	0.498964648
## Minor_axis_length.PET	4.971389e-01	0.088114392	0.543407151
## Least_axis_length.PET	4.472126e-01	-0.010917604	0.483278026
## Elongation.PET	5.059267e-01	0.531830471	0.568856738
## Flatness.PET	4.661736e-01	0.432664570	0.530739986
## Max_cooc.L.PET	2.600326e-01	0.485570828	0.309334862
## Average_cooc.L.PET	5.628055e-01	0.477709679	0.574939829
## Variance_cooc.L.PET	4.356792e-01	0.535645873	0.438099273
## Entropy_cooc.L.PET	6.895254e-01	0.464170856	0.733953709
## DAVE_cooc.L.PET	5.922764e-01	0.486122093	0.591501514
## DVAR_cooc.L.PET	5.960346e-01	0.402558640	0.590922366
## DENT_cooc.L.PET	6.920991e-01	0.525752490	0.728013897
## SAVE_cooc.L.PET	5.627348e-01	0.477363979	0.574819893
## SVAR_cooc.L.PET	3.674158e-01	0.581894569	0.384077919
## SENT_cooc.L.PET	6.362361e-01	0.565875283	0.690541282
## ASM_cooc.L.PET	2.533411e-01	0.452188713	0.298951227
## Contrast_cooc.L.PET	4.854074e-01	0.390001043	0.464869549
## Dissimilarity_cooc.L.PET	5.922764e-01	0.486122093	0.591501514
## Inv_diff_cooc.L.PET	5.169781e-01	0.424444039	0.597330265
## Inv_diff_norm_cooc.L.PET	6.582177e-01	0.511061847	0.717285765
## IDM_cooc.L.PET	4.430921e-01	0.394275995	0.526602847

## IDM_norm_cooc.L.PET	6.648650e-01	0.519020335	0.721171710
## Inv_var_cooc.L.PET	4.554840e-01	0.396625788	0.534499544
## Correlation_cooc.L.PET	2.282824e-01	0.417184985	0.308900286
## Autocorrelation_cooc.L.PET	3.730483e-01	0.449627017	0.369618024
## Tendency_cooc.L.PET	3.674158e-01	0.581894569	0.384077919
## Shade_cooc.L.PET	1.743222e-01	0.341890647	0.216566115
## Prominence_cooc.L.PET	2.013247e-01	0.560832070	0.220045956
## IC1_.L.PET	-1.054560e-01	-0.458422565	-0.109594494
## IC2_.L.PET	5.380869e-01	0.644783923	0.586080276
## Coarseness_vdif_.L.PET	2.271056e-01	0.595082834	0.263270088
## Contrast_vdif_.L.PET	1.743571e-01	0.289481561	0.162382019
## Busyness_vdif_.L.PET	3.079465e-01	-0.114555690	0.314953397
## Complexity_vdif_.L.PET	5.919913e-01	0.459814626	0.602022722
## Strength_vdif_.L.PET	9.877425e-02	0.515922480	0.127341253
## SRE_align.L.PET	6.779181e-01	0.533091920	0.728230711
## LRE_align.L.PET	6.533965e-01	0.501376754	0.715514802
## GLNU_align.L.PET	2.517604e-01	-0.145303222	0.264345511
## RLNU_align.L.PET	2.681380e-01	-0.204547543	0.275970035
## RP_align.L.PET	6.777339e-01	0.534795817	0.728015880
## LGRE_align.L.PET	3.862060e-01	0.476767017	0.457209275
## HGRE_align.L.PET	4.157328e-01	0.435816774	0.412670216
## LGSRE_align.L.PET	3.918130e-01	0.481317832	0.462023373
## HGSRE_align.L.PET	4.169409e-01	0.437925945	0.412675648
## LGHRE_align.L.PET	3.615398e-01	0.456204608	0.435690005
## HGLRE_align.L.PET	4.094823e-01	0.424964990	0.411778833
## GLNU_norm_align.L.PET	3.984010e-01	0.557575915	0.460572640
## RLNU_norm_align.L.PET	6.779645e-01	0.539839770	0.727588249
## GLVAR_align.L.PET	4.530119e-01	0.521913540	0.457036959
## RLVAR_align.L.PET	3.662578e-01	0.394643249	0.440964897
## Entropy_align.L.PET	6.820053e-01	0.476575269	0.727993247
## SZSE.L.PET	6.923622e-01	0.529557168	0.726063957
## LZSE.L.PET	3.608119e-01	0.306548547	0.460114098
## LGLZE.L.PET	3.916780e-01	0.485556164	0.462021841
## HGLZE.L.PET	4.293278e-01	0.435454985	0.426489303
## SZLGE.L.PET	4.117792e-01	0.499199358	0.474674246
## SZHGE.L.PET	4.516564e-01	0.435368384	0.437914844
## LZLGE.L.PET	2.547370e-01	0.365513138	0.343515137
## LZHGE.L.PET	2.546759e-01	0.331351596	0.299104276
## GLNU_area.L.PET	2.631002e-01	-0.148974385	0.270983746
## ZSNU.L.PET	2.831612e-01	-0.207472165	0.284482155
## ZSP.L.PET	6.930479e-01	0.539311604	0.729561191
## GLNU_norm.L.PET	3.986256e-01	0.557050482	0.460801882
## ZSNU_norm.L.PET	6.904355e-01	0.542867726	0.734761836
## GLVAR_area.L.PET	4.679999e-01	0.519288485	0.472969235
## ZSVAR.L.PET	1.888989e-01	0.150614721	0.283008111
## Entropy_area.L.PET	6.777629e-01	0.466818936	0.726241518
## Max_cooc.H.PET	-3.043200e-01	0.871203787	-0.222815867
## Average_cooc.H.PET	5.298332e-01	0.681255730	0.587938311
## Variance_cooc.H.PET	8.391958e-01	0.097597223	0.857371175
## Entropy_cooc.H.PET	7.938160e-01	0.191594795	0.826749831
## DAVE_cooc.H.PET	8.547922e-01	0.207412439	0.861192183
## DVAR_cooc.H.PET	7.824059e-01	0.271665015	0.790643342
## DENT_cooc.H.PET	6.869399e-01	0.141151144	0.716406103
## SAVE_cooc.H.PET	5.972777e-01	0.581470389	0.646953444

## SVAR_cooc.H.PET	7.059569e-01	0.175370894	0.748803777
## SENT_cooc.H.PET	7.246610e-01	0.109843017	0.765762769
## ASM_cooc.H.PET	-2.706621e-01	0.823625342	-0.198321378
## Contrast_cooc.H.PET	8.440955e-01	0.124257582	0.837512948
## Dissimilarity_cooc.H.PET	8.547922e-01	0.207412439	0.861192183
## Inv_diff_cooc.H.PET	-3.113452e-02	0.923343827	0.061541270
## Inv_diff_norm_cooc.H.PET	6.214359e-01	0.577296221	0.681466557
## IDM_cooc.H.PET	-1.595276e-01	0.940373717	-0.066960935
## IDM_norm_cooc.H.PET	6.492561e-01	0.549637244	0.705733804
## Inv_var_cooc.H.PET	5.564886e-01	0.247259271	0.599723312
## Correlation_cooc.H.PET	2.935456e-01	0.341808272	0.373510645
## Autocorrelation_cooc.H.PET	3.822852e-01	0.787201049	0.446400406
## Tendency_cooc.H.PET	7.615245e-01	0.074407355	0.791442758
## Shade_cooc.H.PET	-4.444517e-01	0.107035614	-0.435565332
## Prominence_cooc.H.PET	7.260034e-01	-0.203529504	0.738034865
## IC1_d.H.PET	2.643047e-01	-0.187346481	0.194797064
## IC2_d.H.PET	4.478472e-01	0.355227055	0.526230611
## Coarseness_vdif.H.PET	2.612407e-01	0.452193337	0.304805240
## Contrast_vdif.H.PET	-2.071405e-01	0.744808589	-0.201467750
## Busyness_vdif.H.PET	1.110044e-01	-0.114210424	0.092766494
## Complexity_vdif.H.PET	5.373733e-01	0.377599385	0.567751290
## Strength_vdif.H.PET	-9.837529e-02	0.238934069	-0.076023440
## SRE_align.H.PET	8.122921e-01	0.350561626	0.845181172
## LRE_align.H.PET	-4.046284e-02	0.836206201	0.066688364
## RLNU_align.H.PET	3.341333e-01	-0.250517550	0.333866466
## RP_align.H.PET	8.367212e-01	0.315941637	0.865108239
## LGRE_align.H.PET	3.095788e-01	0.404316730	0.352127205
## HGRE_align.H.PET	4.051960e-01	0.765908685	0.469553571
## LGSRE_align.H.PET	3.082094e-01	0.403949610	0.350494003
## HGSRE_align.H.PET	6.122537e-01	0.600030924	0.657020088
## LGHRE_align.H.PET	3.088237e-01	0.412961273	0.354478817
## HGLRE_align.H.PET	-2.374209e-01	0.824190328	-0.134758996
## GLNU_norm_align.H.PET	-1.674192e-01	0.970161697	-0.098564046
## RLNU_norm_align.H.PET	9.006239e-01	0.186582568	0.918582845
## GLVAR_align.H.PET	8.305496e-01	0.043413593	0.845993844
## RLVAR_align.H.PET	-3.874607e-01	0.738693632	-0.276292825
## Entropy_align.H.PET	8.282463e-01	0.152966825	0.868421319
## SZSE.H.PET	9.369430e-01	0.099410434	0.958377212
## LZSE.H.PET	-2.785727e-01	0.211033960	-0.196435180
## LGLZE.H.PET	3.123100e-01	0.400602649	0.354955704
## HGLZE.H.PET	4.350547e-01	0.616468481	0.502861056
## SZLGE.H.PET	3.076556e-01	0.402192618	0.349675070
## SZHGE.H.PET	7.871199e-01	0.264201924	0.821495094
## LZLGE.H.PET	-3.069235e-01	0.311925649	-0.207072134
## LZHGE.H.PET	-3.253104e-01	0.306085565	-0.235130923
## GLNU_area.H.PET	2.862181e-01	-0.163517226	0.285702213
## ZSNU.H.PET	3.903304e-01	-0.297795793	0.378115986
## ZSP.H.PET	1.000000e+00	-0.173318640	0.979904302
## GLNU_norm.H.PET	-1.733186e-01	1.000000000	-0.103638201
## ZSNU_norm.H.PET	9.799043e-01	-0.103638201	1.000000000
## GLVAR_area.H.PET	8.268862e-01	0.013135701	0.834686023
## ZSVAR.H.PET	-3.124104e-01	0.263386163	-0.223405532
## Entropy_area.H.PET	7.210656e-01	0.307133112	0.761959544
## Max_cooc.W.PET	-1.518605e-01	0.790676905	-0.075692285

## Average_cooc.W.PET	8.548092e-01	-0.326437474	0.847618669
## Variance_cooc.W.PET	6.936403e-01	-0.428577718	0.677804026
## Entropy_cooc.W.PET	9.091070e-01	0.039126032	0.929152976
## DAVE_cooc.W.PET	9.386422e-01	-0.300653813	0.925119976
## DVAR_cooc.W.PET	7.683241e-01	-0.430769477	0.748691344
## DENT_cooc.W.PET	9.428193e-01	0.025410060	0.958365215
## SAVE_cooc.W.PET	8.544901e-01	-0.327414915	0.847207608
## SVAR_cooc.W.PET	6.316247e-01	-0.411562046	0.619359278
## SENT_cooc.W.PET	8.646610e-01	0.157509656	0.901777309
## ASM_cooc.W.PET	-4.485968e-02	0.724146579	0.021933387
## Contrast_cooc.W.PET	7.937574e-01	-0.435410150	0.769930198
## Dissimilarity_cooc.W.PET	9.386422e-01	-0.300653813	0.925119976
## Inv_diff_cooc.W.PET	5.713206e-02	0.915117821	0.140198163
## Inv_diff_norm_cooc.W.PET	6.527659e-01	0.518746526	0.712428627
## IDM_cooc.W.PET	-1.159598e-01	0.946676825	-0.030215940
## IDM_norm_cooc.W.PET	6.637917e-01	0.520649623	0.720219772
## Inv_var_cooc.W.PET	-2.952042e-02	0.929764768	0.049934213
## Correlation_cooc.W.PET	2.414903e-01	0.399436451	0.320947792
## Autocorrelation_cooc.W.PET	6.669902e-01	-0.452265563	0.648161183
## Tendency_cooc.W.PET	6.316247e-01	-0.411562046	0.619359278
## Shade_cooc.W.PET	2.558068e-01	-0.222826167	0.252091024
## Prominence_cooc.W.PET	2.247922e-01	-0.242919905	0.217137414
## IC1_d.W.PET	1.197252e-01	-0.092392547	0.059595309
## IC2_d.W.PET	5.746443e-01	0.372141336	0.648346100
## Coarseness_vdif.W.PET	1.803873e-01	0.610019008	0.210022739
## Contrast_vdif.W.PET	8.484361e-01	-0.160442994	0.827946444
## Busyness_vdif.W.PET	-3.450848e-01	0.608750106	-0.291226634
## Complexity_vdif.W.PET	5.066257e-01	-0.370459220	0.498604313
## Strength_vdif.W.PET	4.894789e-01	-0.089190342	0.507938438
## SRE_align.W.PET	7.469061e-01	0.444524040	0.790069595
## LRE_align.W.PET	2.680174e-01	0.784725331	0.361566336
## GLNU_align.W.PET	8.195588e-02	0.003438718	0.112295997
## RLNU_align.W.PET	3.036462e-01	-0.228621094	0.306985577
## RP_align.W.PET	7.660556e-01	0.420084100	0.806257874
## LGRE_align.W.PET	-1.287900e-01	0.915867087	-0.054189495
## HGRE_align.W.PET	6.738278e-01	-0.456551507	0.655120507
## LGSRE_align.W.PET	-7.922065e-02	0.912033680	-0.007742346
## HGSRE_align.W.PET	6.752751e-01	-0.459194569	0.655625510
## LGHRE_align.W.PET	-2.926387e-01	0.857901664	-0.205614281
## HGLRE_align.W.PET	6.629742e-01	-0.443581292	0.649609839
## GLNU_norm_align.W.PET	-1.222418e-01	0.946193556	-0.052559827
## RLNU_norm_align.W.PET	8.201338e-01	0.337995514	0.854101839
## GLVAR_align.W.PET	6.874991e-01	-0.440728387	0.671474145
## RLVAR_align.W.PET	-3.221167e-01	0.805621889	-0.211178575
## Entropy_align.W.PET	8.467428e-01	0.144184349	0.881570820
## SZSE.W.PET	8.491024e-01	0.307313971	0.871448520
## LZSE.W.PET	-4.139608e-01	0.621475671	-0.297131713
## LGLZE.W.PET	-1.261403e-01	0.945087325	-0.048968982
## HGLZE.W.PET	6.802275e-01	-0.457190427	0.661436371
## SZLGE.W.PET	2.582950e-02	0.905302090	0.095767736
## SZHGE.W.PET	6.852006e-01	-0.460300821	0.662213963
## LZLGE.W.PET	-3.547592e-01	0.431738682	-0.267149360
## LZHGE.W.PET	3.820085e-01	-0.215640625	0.439911669
## GLNU_area.W.PET	1.829212e-01	-0.069746576	0.196056773

## ZSNU.W.PET	3.543079e-01	-0.263411290	0.347063989
## ZSP.W.PET	9.391667e-01	0.116215618	0.944319632
## GLNU_norm.W.PET	-1.211227e-01	0.975259089	-0.049503437
## ZSNU_norm.W.PET	9.385680e-01	0.111356238	0.959910596
## GLVAR_area.W.PET	6.883540e-01	-0.438145515	0.673304107
## ZSVAR.W.PET	-4.272145e-01	0.542932716	-0.317094875
## Entropy_area.W.PET	7.679012e-01	0.261273851	0.811764247
## Min_hist.ADC	1.635144e-01	0.365840953	0.164516643
## Max_hist.ADC	5.872421e-01	0.432967239	0.638614918
## Mean_hist.ADC	5.589160e-01	0.510324460	0.602345741
## Variance_hist.ADC	2.546795e-01	0.274077731	0.284834400
## Standard_Deviation_hist.ADC	4.612105e-01	0.392068839	0.503896957
## Skewness_hist.ADC	1.374986e-01	0.116967316	0.138556824
## Kurtosis_hist.ADC	2.056543e-01	0.068445847	0.233031175
## Energy_hist.ADC	2.517723e-01	0.476135963	0.294575135
## Entropy_hist.ADC	6.740457e-01	0.417442187	0.729263395
## AUC_hist.ADC	6.726388e-01	0.490403002	0.721712696
## Volume.ADC	3.001900e-01	-0.097476213	0.294565887
## X3D_surface.ADC	3.493852e-01	0.025629587	0.381891914
## ratio_3ds_vol.ADC	3.504827e-01	0.557438762	0.374727471
## ratio_3ds_vol_norm.ADC	6.542426e-01	0.438006895	0.700153841
## irregularity.ADC	6.367352e-01	0.546970010	0.678842941
## Compactness_v1.ADC	4.223448e-01	0.557835693	0.476563621
##	GLVAR_area.H.PET	ZSVAR_H.PET	Entropy_area.H.PET
## Failure	-0.035297218	-3.750326e-02	-0.04950768
## Entropy_cooc.W.ADC	0.070399735	1.409205e-01	0.08138305
## GLNU_align.H.PET	-0.009564769	1.119698e-01	0.03016202
## Min_hist.PET	0.715200663	-2.525616e-01	0.62753520
## Max_hist.PET	0.767348381	-2.411915e-01	0.69689090
## Mean_hist.PET	0.768189080	-2.519902e-01	0.65751307
## Variance_hist.PET	0.533633517	-1.967915e-01	0.42598251
## Standard_Deviation_hist.PET	0.774462791	-2.406688e-01	0.68052615
## Skewness_hist.PET	0.174918734	1.418002e-02	0.45011421
## Kurtosis_hist.PET	-0.035353943	-3.258403e-05	0.12526672
## Energy_hist.PET	0.236714151	-4.274467e-02	0.31123451
## Entropy_hist.PET	0.801115153	-4.208320e-02	0.91796883
## AUC_hist.PET	0.786718317	-4.466223e-02	0.94252804
## H_suv.PET	0.778878818	-2.574787e-01	0.64771878
## Volume.PET	0.445183211	-7.442627e-02	0.47651597
## X3D_surface.PET	0.319196682	-7.621283e-03	0.34739676
## ratio_3ds_vol.PET	0.241412351	4.676821e-03	0.37777139
## ratio_3ds_vol_norm.PET	0.404075913	5.362397e-02	0.54698837
## irregularity.PET	0.699389185	-5.020433e-02	0.86250529
## tumor_length.PET	0.618681242	1.181912e-02	0.71180532
## Compactness_v1.PET	0.415066081	-9.317259e-02	0.48960255
## Compactness_v2.PET	0.304348202	-1.140188e-01	0.31641994
## Spherical_disproportion.PET	0.404075913	5.362397e-02	0.54698837
## Sphericity.PET	0.306176276	-1.085899e-01	0.31729175
## Asphericity.PET	0.385149270	5.637225e-02	0.52592409
## Center_of_mass.PET	0.354537544	9.691817e-02	0.46922363
## Max_3D_diam.PET	0.576590285	-5.930668e-02	0.62899420
## Major_axis_length.PET	0.615971141	-5.483015e-02	0.66547596
## Minor_axis_length.PET	0.700450141	-1.250576e-02	0.79449679
## Least_axis_length.PET	0.655112647	-4.206198e-02	0.72029641

## Elongation.PET	0.649849820	-2.069119e-02	0.77556063
## Flatness.PET	0.646272276	-4.660928e-02	0.75652178
## Max_cooc.L.PET	0.275598115	-3.542673e-02	0.36303122
## Average_cooc.L.PET	0.712155981	-5.203085e-02	0.72785752
## Variance_cooc.L.PET	0.378704447	-2.037723e-02	0.46407570
## Entropy_cooc.L.PET	0.838039072	-5.515139e-02	0.95524121
## DAVE_cooc.L.PET	0.542917620	-1.139965e-01	0.59757248
## DVAR_cooc.L.PET	0.454923319	-1.466417e-01	0.50537287
## DENT_cooc.L.PET	0.766489497	-7.896580e-02	0.88505793
## SAVE_cooc.L.PET	0.712122546	-5.200206e-02	0.72775051
## SVAR_cooc.L.PET	0.369736041	4.934162e-02	0.49240624
## SENT_cooc.L.PET	0.768534742	-3.232853e-02	0.90248692
## ASM_cooc.L.PET	0.271891024	-4.101987e-02	0.34396240
## Contrast_cooc.L.PET	0.341920437	-1.283487e-01	0.35654996
## Dissimilarity_cooc.L.PET	0.542917620	-1.139965e-01	0.59757248
## Inv_diff_cooc.L.PET	0.703195405	-9.913036e-03	0.87578271
## Inv_diff_norm_cooc.L.PET	0.808842542	-4.486503e-02	0.96247922
## IDM_cooc.L.PET	0.621176930	-3.027906e-03	0.79204048
## IDM_norm_cooc.L.PET	0.808775739	-4.902668e-02	0.95870889
## Inv_var_cooc.L.PET	0.625243139	3.109851e-03	0.79640911
## Correlation_cooc.L.PET	0.512611045	1.493151e-01	0.71649172
## Autocorrelation_cooc.L.PET	0.529619500	-1.409595e-02	0.50492461
## Tendency_cooc.L.PET	0.369736041	4.934162e-02	0.49240624
## Shade_cooc.L.PET	-0.036447592	1.494077e-01	0.21128542
## Prominence_cooc.L.PET	0.109431911	9.605525e-02	0.26852928
## IC1_.L.PET	-0.070486015	-7.654156e-02	-0.17130712
## IC2_.L.PET	0.613621584	3.318513e-03	0.76779383
## Coarseness_vdif_.L.PET	0.224681040	-2.578785e-02	0.30212697
## Contrast_vdif_.L.PET	0.017430210	-7.221950e-02	0.04900374
## Busyness_vdif_.L.PET	0.395934366	-8.689423e-02	0.45905764
## Complexity_vdif_.L.PET	0.472601895	-1.422500e-01	0.53976148
## Strength_vdif_.L.PET	-0.087162446	7.088135e-03	0.04666516
## SRE_align.L.PET	0.799505749	-5.801828e-02	0.94286191
## LRE_align.L.PET	0.811356575	-4.867851e-02	0.96223199
## GLNU_align.L.PET	0.382851421	-6.680746e-02	0.41921444
## RLNU_align.L.PET	0.410752002	-6.926138e-02	0.40762057
## RP_align.L.PET	0.798360847	-5.853642e-02	0.94102196
## LGRE_align.L.PET	0.281615094	-7.074885e-02	0.52166606
## HGRE_align.L.PET	0.554977815	-2.634791e-02	0.52092357
## LGSRE_align.L.PET	0.286552766	-7.301044e-02	0.52451855
## HGSRE_align.L.PET	0.549504251	-2.745106e-02	0.51618924
## LGHRE_align.L.PET	0.261285662	-6.101914e-02	0.50779357
## HGLRE_align.L.PET	0.576072995	-2.188308e-02	0.53898883
## GLNU_norm_align.L.PET	0.410995094	-4.955211e-02	0.57123550
## RLNU_norm_align.L.PET	0.793986549	-6.009448e-02	0.93396686
## GLVAR_align.L.PET	0.449906287	-1.700986e-02	0.51244995
## RLVAR_align.L.PET	0.521580132	-1.803319e-02	0.64964789
## Entropy_align.L.PET	0.842559756	-4.886475e-02	0.95748163
## SZSE.L.PET	0.772362020	-5.818017e-02	0.91048174
## LZSE.L.PET	0.609871153	-3.466931e-02	0.72085762
## LGLZE.L.PET	0.295436728	-7.623862e-02	0.53285550
## HGLZE.L.PET	0.560464868	-2.664508e-02	0.52894438
## SZLGE.L.PET	0.305043299	-8.205037e-02	0.53394478
## SZHGE.L.PET	0.541680877	-2.795541e-02	0.51444380

## LZLGE.L.PET	0.209949813	-3.217993e-02	0.44849529
## LZHGE.L.PET	0.519123129	-2.089312e-02	0.47787192
## GLNU_area.L.PET	0.386680602	-6.818488e-02	0.42047495
## ZSNU.L.PET	0.413645080	-6.998279e-02	0.40589914
## ZSP.L.PET	0.773986468	-5.679845e-02	0.91037868
## GLNU_norm.L.PET	0.413588938	-5.037039e-02	0.57264516
## ZSNU_norm.L.PET	0.776360886	-5.785544e-02	0.90468255
## GLVAR_area.L.PET	0.463013704	-1.497847e-02	0.52479137
## ZSVAR.L.PET	0.444187093	-3.782988e-02	0.53837424
## Entropy_area.L.PET	0.848535809	-5.059349e-02	0.96806782
## Max_cooc.H.PET	-0.218353244	4.130208e-01	0.10120228
## Average_cooc.H.PET	0.669525244	2.045727e-02	0.87656703
## Variance_cooc.H.PET	0.980490162	-2.276528e-01	0.91729449
## Entropy_cooc.H.PET	0.771311087	-2.011287e-01	0.84082648
## DAVE_cooc.H.PET	0.891167404	-2.444180e-01	0.86073494
## DVAR_cooc.H.PET	0.876242300	-1.978995e-01	0.82885538
## DENT_cooc.H.PET	0.753229374	-5.073119e-02	0.81590652
## SAVE_cooc.H.PET	0.740972673	2.190614e-03	0.91911286
## SVAR_cooc.H.PET	0.903497621	-6.055440e-02	0.91684022
## SENT_cooc.H.PET	0.734162773	-1.637288e-01	0.70418890
## ASM_cooc.H.PET	-0.162192924	3.916570e-01	0.10503353
## Contrast_cooc.H.PET	0.860850732	-2.475329e-01	0.76804334
## Dissimilarity_cooc.H.PET	0.891167404	-2.444180e-01	0.86073494
## Inv_diff_cooc.H.PET	0.209238859	3.147238e-01	0.52680551
## Inv_diff_norm_cooc.H.PET	0.764970448	-1.710197e-02	0.93885783
## IDM_cooc.H.PET	0.086337119	3.571121e-01	0.40960251
## IDM_norm_cooc.H.PET	0.784792276	-3.928068e-02	0.94600905
## Inv_var_cooc.H.PET	0.521728757	-1.287204e-01	0.58016331
## Correlation_cooc.H.PET	0.570879892	9.609738e-02	0.73991637
## Autocorrelation_cooc.H.PET	0.538426950	8.896108e-02	0.79060840
## Tendency_cooc.H.PET	0.957463819	-1.965657e-01	0.91590070
## Shade_cooc.H.PET	-0.727225804	2.364256e-01	-0.52152033
## Prominence_cooc.H.PET	0.908541757	-2.397804e-01	0.76569299
## IC1_d.H.PET	0.004763464	-4.331785e-01	-0.17696780
## IC2_d.H.PET	0.667321446	5.622894e-02	0.83466370
## Coarseness_vdif.H.PET	0.258610218	-3.735382e-02	0.32568984
## Contrast_vdif.H.PET	0.027323011	7.095814e-02	0.10632465
## Busyness_vdif.H.PET	0.171236370	-6.834480e-02	0.20224069
## Complexity_vdif.H.PET	0.579465433	-1.218056e-01	0.56080960
## Strength_vdif.H.PET	-0.178659086	1.487688e-01	-0.08035814
## SRE_align.H.PET	0.871042580	-1.820943e-01	0.94951226
## LRE_align.H.PET	0.230520843	5.296098e-01	0.52629120
## RLNU_align.H.PET	0.431887315	-1.134631e-01	0.40847928
## RP_align.H.PET	0.877815371	-1.994836e-01	0.93984903
## LGRE_align.H.PET	0.331119695	-5.825879e-02	0.38014088
## HGRE_align.H.PET	0.552741721	9.220846e-02	0.79656329
## LGSRE_align.H.PET	0.328216000	-5.840553e-02	0.37714588
## HGSRE_align.H.PET	0.680964926	-7.365845e-02	0.86596401
## LGHRE_align.H.PET	0.342938396	-4.817662e-02	0.39562397
## HGLRE_align.H.PET	0.023081698	6.089444e-01	0.31435104
## GLNU_norm_align.H.PET	-0.024317036	2.805008e-01	0.29613092
## RLNU_norm_align.H.PET	0.892934667	-2.470396e-01	0.90888155
## GLVAR_align.H.PET	0.990718005	-2.310118e-01	0.90586426
## RLVAR_align.H.PET	-0.100967718	6.794744e-01	0.19398342

## Entropy_align.H.PET	0.931958027	-1.121074e-01	0.97087689
## SZSE.H.PET	0.868684758	-1.802338e-01	0.86826020
## LZSE.H.PET	-0.230765892	9.867956e-01	-0.10311372
## LGLZE.H.PET	0.336205343	-5.945031e-02	0.38257505
## HGLZE.H.PET	0.534968886	1.457574e-01	0.79028275
## SZLGE.H.PET	0.325910988	-5.733387e-02	0.37379744
## SZHGE.H.PET	0.658766018	-2.533771e-02	0.77398372
## LZLGE.H.PET	-0.195648390	9.665021e-01	-0.04681912
## LZHGE.H.PET	-0.258085206	9.758003e-01	-0.11619969
## GLNU_area.H.PET	0.417664840	-1.121703e-01	0.42386608
## ZSNU.H.PET	0.418090677	-1.253531e-01	0.37150806
## ZSP.H.PET	0.826886174	-3.124104e-01	0.72106556
## GLNU_norm.H.PET	0.013135701	2.633862e-01	0.30713311
## ZSNU_norm.H.PET	0.834686023	-2.234055e-01	0.76195954
## GLVAR_area.H.PET	1.000000000	-2.477860e-01	0.89646155
## ZSVAR_H.PET	-0.247786022	1.000000e+00	-0.11094133
## Entropy_area.H.PET	0.896461554	-1.109413e-01	1.00000000
## Max_cooc.W.PET	-0.101532138	2.987075e-01	0.15018727
## Average_cooc.W.PET	0.810869557	-2.340476e-01	0.68226202
## Variance_cooc.W.PET	0.512071437	-1.961359e-01	0.41301523
## Entropy_cooc.W.PET	0.934802596	-2.180829e-01	0.92904910
## DAVE_cooc.W.PET	0.771209221	-2.614489e-01	0.65046008
## DVAR_cooc.W.PET	0.553341095	-2.092816e-01	0.42436598
## DENT_cooc.W.PET	0.902844034	-2.397377e-01	0.89122517
## SAVE_cooc.W.PET	0.810500014	-2.340150e-01	0.68173081
## SVAR_cooc.W.PET	0.471521746	-1.819742e-01	0.39396245
## SENT_cooc.W.PET	0.907262811	-1.764399e-01	0.93608136
## ASM_cooc.W.PET	0.020889579	2.262999e-01	0.21471316
## Contrast_cooc.W.PET	0.572174521	-2.156473e-01	0.42559697
## Dissimilarity_cooc.W.PET	0.771209221	-2.614489e-01	0.65046008
## Inv_diff_cooc.W.PET	0.322106716	2.238174e-01	0.60818207
## Inv_diff_norm_cooc.W.PET	0.804634887	-4.021519e-02	0.96039922
## IDM_cooc.W.PET	0.159057692	2.997227e-01	0.46040785
## IDM_norm_cooc.W.PET	0.807768897	-4.826969e-02	0.95805106
## Inv_var_cooc.W.PET	0.256186422	2.187889e-01	0.54113906
## Correlation_cooc.W.PET	0.522198999	1.376097e-01	0.72081681
## Autocorrelation_cooc.W.PET	0.579742826	-1.931404e-01	0.44326619
## Tendency_cooc.W.PET	0.471521746	-1.819742e-01	0.39396245
## Shade_cooc.W.PET	0.119234037	-8.094601e-02	0.13701492
## Prominence_cooc.W.PET	0.119308232	-7.585231e-02	0.11815802
## IC1_d.W.PET	-0.048724168	-3.855869e-01	-0.18770933
## IC2_d.W.PET	0.722997993	4.293197e-02	0.86637407
## Coarseness_vdif.W.PET	0.172111420	-2.363968e-02	0.25052252
## Contrast_vdif.W.PET	0.603840561	-2.286807e-01	0.47665210
## Busyness_vdif.W.PET	-0.119924195	4.059511e-01	0.16734084
## Complexity_vdif.W.PET	0.392154265	-1.460830e-01	0.33034446
## Strength_vdif.W.PET	0.218570095	-1.211827e-01	0.21628254
## SRE_align.W.PET	0.840594945	-1.152739e-01	0.95521773
## LRE_align.W.PET	0.520062605	2.877855e-01	0.77450864
## GLNU_align.W.PET	0.309941143	5.535339e-02	0.40252815
## RLNU_align.W.PET	0.421580111	-9.642174e-02	0.40864227
## RP_align.W.PET	0.849640394	-1.357203e-01	0.95387776
## LGRE_align.W.PET	-0.085232660	2.508304e-01	0.27521653
## HGRE_align.W.PET	0.585233544	-1.946448e-01	0.44616656

## LGSRE_align.W.PET	-0.042875306	2.033030e-01	0.31057594
## HGSRE_align.W.PET	0.579551172	-1.954042e-01	0.44034358
## LGHRE_align.W.PET	-0.229030228	4.841472e-01	0.13271738
## HGLRE_align.W.PET	0.607287450	-1.871218e-01	0.46976441
## GLNU_norm_align.W.PET	-0.008374395	2.576046e-01	0.29544304
## RLNU_norm_align.W.PET	0.872393076	-1.739203e-01	0.94801943
## GLVAR_align.W.PET	0.533835276	-1.965247e-01	0.42666977
## RLVAR_align.W.PET	-0.043620884	6.419066e-01	0.24568900
## Entropy_align.W.PET	0.937938927	-1.448442e-01	0.96853552
## SZSE.W.PET	0.851657989	-1.620315e-01	0.91880470
## LZSE.W.PET	-0.207947827	8.097079e-01	0.01654646
## LGLZE.W.PET	-0.044160093	2.626664e-01	0.30368863
## HGLZE.W.PET	0.583605145	-1.960385e-01	0.44860836
## SZLGE.W.PET	0.064634404	1.857888e-01	0.37820446
## SZHGE.W.PET	0.563401525	-1.958004e-01	0.43010246
## LZLGE.W.PET	-0.321350425	8.482468e-01	-0.11195026
## LZHGE.W.PET	0.559680455	-2.837532e-02	0.47768174
## GLNU_area.W.PET	0.365823668	-2.928171e-02	0.41984985
## ZSNU.W.PET	0.422355398	-1.164702e-01	0.39247108
## ZSP.W.PET	0.882859340	-2.591546e-01	0.88072403
## GLNU_norm.W.PET	0.021730829	2.567908e-01	0.31228775
## ZSNU_norm.W.PET	0.873733742	-2.297439e-01	0.87184381
## GLVAR_area.W.PET	0.536827820	-1.957352e-01	0.43067342
## ZSVAR.W.PET	-0.265369565	8.646845e-01	-0.06585985
## Entropy_area.W.PET	0.912561397	-9.870245e-02	0.99280912
## Min_hist.ADC	0.162119272	-5.281716e-02	0.23416326
## Max_hist.ADC	0.703155089	-2.798746e-02	0.86239752
## Mean_hist.ADC	0.624290725	-4.828585e-02	0.78780659
## Variance_hist.ADC	0.324016797	8.927751e-02	0.44711077
## Standard_Deviation_hist.ADC	0.565297524	3.611295e-02	0.70628980
## Skewness_hist.ADC	0.256097816	-9.165360e-02	0.28334278
## Kurtosis_hist.ADC	0.228042895	-5.109727e-02	0.30567245
## Energy_hist.ADC	0.278165086	-3.832901e-02	0.35099612
## Entropy_hist.ADC	0.811400987	-4.151810e-02	0.94256916
## AUC_hist.ADC	0.814892658	-7.736348e-02	0.94406912
## Volume.ADC	0.419927124	-8.071806e-02	0.45151790
## X3D_surface.ADC	0.451433585	-2.600282e-02	0.51092709
## ratio_3ds_vol.ADC	0.412500007	-4.820426e-02	0.52161085
## ratio_3ds_vol_norm.ADC	0.777638127	-8.066913e-02	0.91311984
## irregularity.ADC	0.761352439	-5.672276e-02	0.89083592
## Compactness_v1.ADC	0.485871548	-3.666451e-02	0.59047197
##	Max_cooc.W.PET	Average_cooc.W.PET	
## Failure	0.1063268411	-0.0975878482	
## Entropy_cooc.W.ADC	-0.0687740649	0.0501092537	
## GLNU_align.H.PET	-0.0132365000	-0.0090793059	
## Min_hist.PET	-0.2301519538	0.8908639392	
## Max_hist.PET	-0.2502327342	0.9456985647	
## Mean_hist.PET	-0.2635257100	0.9583771602	
## Variance_hist.PET	-0.3069873910	0.8836004656	
## Standard_Deviation_hist.PET	-0.2584345742	0.9711982410	
## Skewness_hist.PET	0.3892741025	0.0348449931	
## Kurtosis_hist.PET	0.2070525723	-0.0928505535	
## Energy_hist.PET	0.6683545255	0.0705435306	
## Entropy_hist.PET	0.1373266345	0.5942509065	

## AUC_hist.PET	0.3822558513	0.5065764066
## H_suv.PET	-0.1860448577	0.9107602657
## Volume.PET	-0.1990177429	0.4270094442
## X3D_surface.PET	-0.0744575246	0.3165760990
## ratio_3ds_vol.PET	0.6250876478	0.0505917885
## ratio_3ds_vol_norm.PET	0.4258042098	0.2522509408
## irregularity.PET	0.4447149197	0.4285736663
## tumor_length.PET	0.0968514407	0.5160602649
## Compactness_v1.PET	0.5555552380	0.2601494459
## Compactness_v2.PET	-0.2120357309	0.3460629643
## Spherical_disproportion.PET	0.4258042098	0.2522509408
## Sphericity.PET	-0.2865830071	0.3291105017
## Asphericity.PET	0.4229889889	0.2394224712
## Center_of_mass.PET	0.0141876340	0.3970894876
## Max_3D_diam.PET	-0.2137739766	0.5819588399
## Major_axis_length.PET	-0.1424523726	0.6394315019
## Minor_axis_length.PET	-0.0495467749	0.5648111641
## Least_axis_length.PET	-0.1541354404	0.5747243763
## Elongation.PET	0.3391425330	0.3110415436
## Flatness.PET	0.2200857470	0.3594784878
## Max_cooc.L.PET	0.6740170719	0.1074870386
## Average_cooc.L.PET	0.2618385941	0.4729382979
## Variance_cooc.L.PET	0.3362896694	0.2006931603
## Entropy_cooc.L.PET	0.2562500281	0.5728017958
## DAVE_cooc.L.PET	0.3108459911	0.3241873588
## DVAR_cooc.L.PET	0.3104841978	0.2876876768
## DENT_cooc.L.PET	0.3333660314	0.5019095347
## SAVE_cooc.L.PET	0.2611773452	0.4730014342
## SVAR_cooc.L.PET	0.3500467891	0.1921769073
## SENT_cooc.L.PET	0.3856062238	0.4856874766
## ASM_cooc.L.PET	0.6336153056	0.1095388932
## Contrast_cooc.L.PET	0.2690077500	0.1871870900
## Dissimilarity_cooc.L.PET	0.3108459911	0.3241873588
## Inv_diff_cooc.L.PET	0.3641439321	0.4740935425
## Inv_diff_norm_cooc.L.PET	0.3438372493	0.5375566214
## IDM_cooc.L.PET	0.3876731419	0.4139705869
## IDM_norm_cooc.L.PET	0.3454426719	0.5350459211
## Inv_var_cooc.L.PET	0.3889812368	0.4222970795
## Correlation_cooc.L.PET	0.2673598903	0.3307272470
## Autocorrelation_cooc.L.PET	0.2367442936	0.3280710148
## Tendency_cooc.L.PET	0.3500467891	0.1921769073
## Shade_cooc.L.PET	0.3017489729	-0.0170176396
## Prominence_cooc.L.PET	0.3701834259	0.0100715768
## IC1_.L.PET	-0.2680139361	0.0386062321
## IC2_.L.PET	0.4894647288	0.3499813668
## Coarseness_vdif_.L.PET	0.7165538420	0.0284846858
## Contrast_vdif_.L.PET	0.2594648033	-0.0496465263
## Busyness_vdif_.L.PET	-0.1675450886	0.3732059632
## Complexity_vdif_.L.PET	0.3492871646	0.2826393835
## Strength_vdif_.L.PET	0.5496602537	-0.1681882655
## SRE_align.L.PET	0.3561009074	0.5248198997
## LRE_align.L.PET	0.3285898337	0.5381419338
## GLNU_align.L.PET	-0.1729027516	0.3798355238
## RLNU_align.L.PET	-0.2312644230	0.4336589236

## RP_align.L.PET	0.3572648993	0.5230436862
## LGRE_align.L.PET	0.5510724880	0.1337131013
## HGRE_align.L.PET	0.2477312351	0.3471940159
## LGSRE_align.L.PET	0.5542383190	0.1368744517
## HGSRE_align.L.PET	0.2511501372	0.3422734130
## LGHRE_align.L.PET	0.5356201458	0.1207042367
## HGLRE_align.L.PET	0.2324441954	0.3665310971
## GLNU_norm_align.L.PET	0.6529111879	0.2007096463
## RLNU_norm_align.L.PET	0.3611940028	0.5172857476
## GLVAR_align.L.PET	0.3058689677	0.2573791555
## RLVAR_align.L.PET	0.4820039502	0.3290347315
## Entropy_align.L.PET	0.2717946870	0.5742282721
## SZSE.L.PET	0.3647717330	0.5146554036
## LZSE.L.PET	0.1706269717	0.3861388263
## LGLZE.L.PET	0.5480869031	0.1392956836
## HGLZE.L.PET	0.2497971861	0.3523443239
## SZLGE.L.PET	0.5608161268	0.1467812366
## SZHGE.L.PET	0.2615465517	0.3441038765
## LZLGE.L.PET	0.4439630915	0.0893338900
## LZHGE.L.PET	0.1445763143	0.3195233515
## GLNU_area.L.PET	-0.1774030270	0.3874075581
## ZSNU.L.PET	-0.2363816428	0.4394051109
## ZSP.L.PET	0.3699738303	0.5091667117
## GLNU_norm.L.PET	0.6507447316	0.2021838104
## ZSNU_norm.L.PET	0.3739635791	0.5016644205
## GLVAR_area.L.PET	0.3093386281	0.2692902608
## ZSVAR.L.PET	0.1280515493	0.3072810854
## Entropy_area.L.PET	0.2625691979	0.5821577339
## Max_cooc.H.PET	0.9339144541	-0.4041004560
## Average_cooc.H.PET	0.4775406344	0.3606216735
## Variance_cooc.H.PET	-0.0439148949	0.7930492538
## Entropy_cooc.H.PET	0.0718799332	0.7040199576
## DAVE_cooc.H.PET	0.0446530965	0.6734089616
## DVAR_cooc.H.PET	0.1105367167	0.6331791498
## DENT_cooc.H.PET	-0.0033611621	0.5848274868
## SAVE_cooc.H.PET	0.3654615909	0.4380552069
## SVAR_cooc.H.PET	0.0355364687	0.7025289584
## SENT_cooc.H.PET	0.1392200331	0.6395526143
## ASM_cooc.H.PET	0.9705276961	-0.3539878844
## Contrast_cooc.H.PET	0.0029724489	0.6683297163
## Dissimilarity_cooc.H.PET	0.0446530965	0.6734089616
## Inv_diff_cooc.H.PET	0.7916672690	-0.1261410279
## Inv_diff_norm_cooc.H.PET	0.4043265271	0.4856504265
## IDM_cooc.H.PET	0.8181947944	-0.2490891280
## IDM_norm_cooc.H.PET	0.3729337104	0.5091756307
## Inv_var_cooc.H.PET	0.4360286980	0.4596838411
## Correlation_cooc.H.PET	0.2066412569	0.4096578632
## Autocorrelation_cooc.H.PET	0.5910598955	0.2173240496
## Tendency_cooc.H.PET	-0.0654142281	0.7895403083
## Shade_cooc.H.PET	0.1923987244	-0.5248293679
## Prominence_cooc.H.PET	-0.2452313188	0.8525405179
## IC1_d.H.PET	0.0442861180	0.0538512392
## IC2_d.H.PET	0.2134086439	0.5117054811
## Coarseness_vdif.H.PET	0.6604903905	0.1084911205

## Contrast_vdif.H.PET	0.5288240075	-0.2928002193
## Busyness_vdif.H.PET	-0.2660939923	0.1004315700
## Complexity_vdif.H.PET	0.3404301420	0.3358553362
## Strength_vdif.H.PET	0.6207128645	-0.1473349104
## SRE_align.H.PET	0.2091349179	0.6567420532
## LRE_align.H.PET	0.6535532839	-0.0784264486
## RLNU_align.H.PET	-0.2521605761	0.5090587121
## RP_align.H.PET	0.1863586979	0.6799064440
## LGRE_align.H.PET	0.5922108091	0.1929751118
## HGRE_align.H.PET	0.6043463363	0.2348771907
## LGSRE_align.H.PET	0.5926255503	0.1907857004
## HGSRE_align.H.PET	0.4529840976	0.4053767812
## LGHRE_align.H.PET	0.5948261982	0.1976679592
## HGLRE_align.H.PET	0.7268591432	-0.2421412227
## GLNU_norm_align.H.PET	0.8662524077	-0.3426566003
## RLNU_norm_align.H.PET	0.0923988879	0.7479905949
## GLVAR_align.H.PET	-0.0821230173	0.8154587300
## RLVAR_align.H.PET	0.6106834306	-0.3548703193
## Entropy_align.H.PET	0.0427412963	0.8128091528
## SZSE.H.PET	0.0547616124	0.7757165244
## LZSE.H.PET	0.2472266772	-0.2085915714
## LGLZE.H.PET	0.5885765322	0.1999946156
## HGLZE.H.PET	0.4908561581	0.2539331764
## SZLGE.H.PET	0.5922702600	0.1909860187
## SZHGE.H.PET	0.2368429291	0.5252360823
## LZLGE.H.PET	0.3280586975	-0.2255606156
## LZHGE.H.PET	0.3877312510	-0.2450458178
## GLNU_area.H.PET	-0.2250822088	0.3728345990
## ZSNU.H.PET	-0.2678529675	0.5740933996
## ZSP.H.PET	-0.1518604868	0.8548092274
## GLNU_norm.H.PET	0.7906769054	-0.3264374738
## ZSNU_norm.H.PET	-0.0756922852	0.8476186689
## GLVAR_area.H.PET	-0.1015321376	0.8108695575
## ZSVAR.H.PET	0.2987075322	-0.2340476250
## Entropy_area.H.PET	0.1501872688	0.6822620250
## Max_cooc.W.PET	1.0000000000	-0.2740112005
## Average_cooc.W.PET	-0.2740112005	1.0000000000
## Variance_cooc.W.PET	-0.2952644029	0.8581139596
## Entropy_cooc.W.PET	-0.0534788537	0.8597092281
## DAVE_cooc.W.PET	-0.2469312432	0.9346298886
## DVAR_cooc.W.PET	-0.3002115068	0.8790562772
## DENT_cooc.W.PET	-0.0402048621	0.8505110130
## SAVE_cooc.W.PET	-0.2753543880	0.9999979167
## SVAR_cooc.W.PET	-0.2799635011	0.8192840515
## SENT_cooc.W.PET	0.0705435570	0.7905546563
## ASM_cooc.W.PET	0.9569965146	-0.1656378001
## Contrast_cooc.W.PET	-0.3097450450	0.8830088579
## Dissimilarity_cooc.W.PET	-0.2469312432	0.9346298886
## Inv_diff_cooc.W.PET	0.7233488999	-0.0753433386
## Inv_diff_norm_cooc.W.PET	0.3517046028	0.5312905972
## IDM_cooc.W.PET	0.7766366386	-0.2257515277
## IDM_norm_cooc.W.PET	0.3471555872	0.5333289797
## Inv_var_cooc.W.PET	0.7024005427	-0.1571361237
## Correlation_cooc.W.PET	0.2503249318	0.3441889345

## Autocorrelation_cooc.W.PET	-0.3273521864	0.9314046111
## Tendency_cooc.W.PET	-0.2799635011	0.8192840515
## Shade_cooc.W.PET	-0.1210790764	0.3808481256
## Prominence_cooc.W.PET	-0.1371285612	0.4098989265
## IC1_d.W.PET	0.1186200499	-0.0588709797
## IC2_d.W.PET	0.2563435330	0.5733923419
## Coarseness_vdif.W.PET	0.7220307594	-0.0214154634
## Contrast_vdif.W.PET	-0.0925120183	0.7199185620
## Busyness_vdif.W.PET	0.3065171438	-0.3442530092
## Complexity_vdif.W.PET	-0.2420650633	0.7410181980
## Strength_vdif.W.PET	0.0025027271	0.3638797184
## SRE_align.W.PET	0.2816843853	0.5950276918
## LRE_align.W.PET	0.5904774894	0.1795906590
## GLNU_align.W.PET	-0.1025100935	0.1702524243
## RLNU_align.W.PET	-0.2408169454	0.4733312630
## RP_align.W.PET	0.2624866715	0.6130677595
## LGRE_align.W.PET	0.8168284155	-0.3518981492
## HGRE_align.W.PET	-0.3327065346	0.9325707619
## LGSRE_align.W.PET	0.7925890337	-0.3220373941
## HGSRE_align.W.PET	-0.3333111778	0.9306657340
## LGHRE_align.W.PET	0.8465449368	-0.4248722433
## HGLRE_align.W.PET	-0.3291383761	0.9372082379
## GLNU_norm_align.W.PET	0.9222844842	-0.3067009736
## RLNU_norm_align.W.PET	0.1980182506	0.6673158964
## GLVAR_align.W.PET	-0.3078801466	0.8835355191
## RLVAR_align.W.PET	0.7217116746	-0.3219976922
## Entropy_align.W.PET	0.0310690315	0.8168008271
## SZSE.W.PET	0.2015802719	0.6769069985
## LZSE.W.PET	0.6130078757	-0.3303250874
## LGLZE.W.PET	0.8000981574	-0.3396918197
## HGLZE.W.PET	-0.3314137920	0.9317808684
## SZLGE.W.PET	0.7621599754	-0.2379604533
## SZHGE.W.PET	-0.3290006845	0.9226737652
## LZLGE.W.PET	0.5915563676	-0.3105465928
## LZHGE.W.PET	-0.1950633280	0.7333814442
## GLNU_area.W.PET	-0.1616344626	0.2631378139
## ZSNU.W.PET	-0.2537281480	0.5244495183
## ZSP.W.PET	0.0421541598	0.7706228189
## GLNU_norm.W.PET	0.8868453354	-0.2989292259
## ZSNU_norm.W.PET	0.0653660851	0.7803726988
## GLVAR_area.W.PET	-0.3034719069	0.8825383414
## ZSVAR.W.PET	0.5650314803	-0.3401152507
## Entropy_area.W.PET	0.1136090206	0.7355938060
## Min_hist.ADC	0.3019386499	0.1383745647
## Max_hist.ADC	0.2746405733	0.4663383043
## Mean_hist.ADC	0.3424900686	0.3882250276
## Variance_hist.ADC	0.2025590472	0.1813920400
## Standard_Deviation_hist.ADC	0.2635532943	0.3460861663
## Skewness_hist.ADC	0.0694655342	0.2530282639
## Kurtosis_hist.ADC	0.0463138420	0.2261987632
## Energy_hist.ADC	0.6433764691	0.1095302484
## Entropy_hist.ADC	0.2448020117	0.5585501422
## AUC_hist.ADC	0.3254915032	0.5537186949
## Volume.ADC	-0.1858822344	0.4022891550

## X3D_surface.ADC	-0.0262102918	0.3451781311
## ratio_3ds_vol.ADC	0.4591657838	0.1999700978
## ratio_3ds_vol_norm.ADC	0.2606046168	0.5058711207
## irregularity.ADC	0.3735062402	0.4934578398
## Compactness_v1.ADC	0.6280441356	0.2697763413
##	Variance_cooc.W.PET	Entropy_cooc.W.PET
## Failure	-0.109913972	-0.068347090
## Entropy_cooc.W.ADC	0.038741751	0.040873516
## GLNU_align.H.PET	-0.009228734	-0.018099147
## Min_hist.PET	0.774783104	0.819415213
## Max_hist.PET	0.863733946	0.859354770
## Mean_hist.PET	0.827721889	0.849988035
## Variance_hist.PET	0.994681990	0.637305048
## Standard_Deviation_hist.PET	0.917521612	0.869528348
## Skewness_hist.PET	0.076598112	0.363417587
## Kurtosis_hist.PET	-0.054434061	0.056299618
## Energy_hist.PET	0.010949502	0.247935688
## Entropy_hist.PET	0.339427138	0.836756229
## AUC_hist.PET	0.250086698	0.844790051
## H_suv.PET	0.807480146	0.853465193
## Volume.PET	0.285573755	0.444849575
## X3D_surface.PET	0.255581082	0.318271369
## ratio_3ds_vol.PET	0.022913291	0.319181233
## ratio_3ds_vol_norm.PET	0.205450563	0.456181174
## irregularity.PET	0.199173010	0.772661892
## tumor_length.PET	0.354798356	0.638197218
## Compactness_v1.PET	0.127349764	0.427944960
## Compactness_v2.PET	0.198493033	0.340040795
## Spherical_disproportion.PET	0.205450563	0.456181174
## Sphericity.PET	0.180209470	0.341477283
## Asphericity.PET	0.200446081	0.436325227
## Center_of_mass.PET	0.495935386	0.443298732
## Max_3D_diam.PET	0.398169741	0.605738817
## Major_axis_length.PET	0.460718129	0.648125461
## Minor_axis_length.PET	0.347959497	0.721238442
## Least_axis_length.PET	0.381687800	0.669539304
## Elongation.PET	0.070848107	0.677770599
## Flatness.PET	0.125273860	0.673148722
## Max_cooc.L.PET	0.041930080	0.285048395
## Average_cooc.L.PET	0.178593019	0.687825719
## Variance_cooc.L.PET	0.074328278	0.461532502
## Entropy_cooc.L.PET	0.287002241	0.879673591
## DAVE_cooc.L.PET	0.123759321	0.608965417
## DVAR_cooc.L.PET	0.167388767	0.553591402
## DENT_cooc.L.PET	0.241874825	0.829622414
## SAVE_cooc.L.PET	0.178614945	0.687785467
## SVAR_cooc.L.PET	0.079637916	0.451700488
## SENT_cooc.L.PET	0.237365396	0.814361155
## ASM_cooc.L.PET	0.043342388	0.273509210
## Contrast_cooc.L.PET	0.055883674	0.414978607
## Dissimilarity_cooc.L.PET	0.123759321	0.608965417
## Inv_diff_cooc.L.PET	0.275340575	0.742768397
## Inv_diff_norm_cooc.L.PET	0.275036041	0.861118688
## IDM_cooc.L.PET	0.254272722	0.656092731

## IDM_norm_cooc.L.PET	0.270093283	0.861677168
## Inv_var_cooc.L.PET	0.260548987	0.662825358
## Correlation_cooc.L.PET	0.203702460	0.531701055
## Autocorrelation_cooc.L.PET	0.075280599	0.471018439
## Tendency_cooc.L.PET	0.079637916	0.451700488
## Shade_cooc.L.PET	0.127807743	0.192472619
## Prominence_cooc.L.PET	0.002720644	0.242227099
## IC1_.L.PET	0.032168283	-0.136317156
## IC2_.L.PET	0.175472285	0.677535226
## Coarseness_vdif_.L.PET	-0.032156361	0.228447504
## Contrast_vdif_.L.PET	-0.079211770	0.086872930
## Busyness_vdif_.L.PET	0.298074223	0.436191280
## Complexity_vdif_.L.PET	0.126276855	0.571121671
## Strength_vdif_.L.PET	-0.124313544	0.026439496
## SRE_align.L.PET	0.260009244	0.856426571
## LRE_align.L.PET	0.277162814	0.862088971
## GLNU_align.L.PET	0.298988802	0.390522122
## RLNU_align.L.PET	0.327210155	0.400109322
## RP_align.L.PET	0.257902852	0.855264801
## LGRE_align.L.PET	0.109466817	0.443281282
## HGRE_align.L.PET	0.087894192	0.498816066
## LGSRE_align.L.PET	0.109088308	0.447202997
## HGSRE_align.L.PET	0.085900124	0.495680843
## LGHRE_align.L.PET	0.110786097	0.425477625
## HGLRE_align.L.PET	0.096033926	0.510446799
## GLNU_norm_align.L.PET	0.098133382	0.472974856
## RLNU_norm_align.L.PET	0.251762512	0.851044688
## GLVAR_align.L.PET	0.087026758	0.504135718
## RLVAR_align.L.PET	0.206950677	0.527461132
## Entropy_align.L.PET	0.287758480	0.877331216
## SZSE.L.PET	0.259728888	0.835528800
## LZSE.L.PET	0.198126598	0.617009226
## LGLZE.L.PET	0.103185951	0.452102609
## HGLZE.L.PET	0.095865754	0.508798088
## SZLGE.L.PET	0.100246679	0.457729082
## SZHGE.L.PET	0.100615573	0.502780670
## LZLGE.L.PET	0.121234583	0.358632697
## LZHGE.L.PET	0.065936586	0.430735506
## GLNU_area.L.PET	0.302028585	0.395293533
## ZSNU.L.PET	0.326948957	0.403818613
## ZSP.L.PET	0.250206102	0.836346683
## GLNU_norm.L.PET	0.097278363	0.474144637
## ZSNU_norm.L.PET	0.238369249	0.833996838
## GLVAR_area.L.PET	0.098078048	0.517030766
## ZSVAR.L.PET	0.221663374	0.430865058
## Entropy_area.L.PET	0.297155116	0.883582138
## Max_cooc.H.PET	-0.413295602	-0.151482875
## Average_cooc.H.PET	0.113209447	0.734783446
## Variance_cooc.H.PET	0.507309157	0.954130065
## Entropy_cooc.H.PET	0.494189354	0.891933849
## DAVE_cooc.H.PET	0.387452849	0.910415422
## DVAR_cooc.H.PET	0.336742376	0.850482403
## DENT_cooc.H.PET	0.329020237	0.807793102
## SAVE_cooc.H.PET	0.179862919	0.795835968

## SVAR_cooc.H.PET	0.430497835	0.882911273
## SENT_cooc.H.PET	0.495138827	0.767197159
## ASM_cooc.H.PET	-0.370389043	-0.137060043
## Contrast_cooc.H.PET	0.387367841	0.852436531
## Dissimilarity_cooc.H.PET	0.387452849	0.910415422
## Inv_diff_cooc.H.PET	-0.267612925	0.237586442
## Inv_diff_norm_cooc.H.PET	0.231555859	0.825191793
## IDM_cooc.H.PET	-0.364307796	0.103325400
## IDM_norm_cooc.H.PET	0.250523523	0.844686801
## Inv_var_cooc_.H.PET	0.407732005	0.580475053
## Correlation_cooc.H.PET	0.270911298	0.583508641
## Autocorrelation_cooc.H.PET	-0.002918763	0.604304346
## Tendency_cooc.H.PET	0.526761610	0.923765546
## Shade_cooc.H.PET	-0.227744790	-0.530761349
## Prominence_cooc.H.PET	0.611036598	0.838507606
## IC1_d.H.PET	0.047482750	-0.004523232
## IC2_d.H.PET	0.357264602	0.713104413
## Coarseness_vdif.H.PET	0.048580689	0.265236361
## Contrast_vdif.H.PET	-0.366616662	-0.084775345
## Busyness_vdif.H.PET	0.013373037	0.178788379
## Complexity_vdif.H.PET	0.157924216	0.561045893
## Strength_vdif.H.PET	-0.110838421	-0.128196530
## SRE_align.H.PET	0.397404700	0.936123375
## LRE_align.H.PET	-0.236920205	0.252592749
## RLNU_align.H.PET	0.414614161	0.439128687
## RP_align.H.PET	0.425344482	0.944362781
## LGRE_align.H.PET	0.107787005	0.327494259
## HGRE_align.H.PET	0.012038451	0.618132869
## LGSRE_align.H.PET	0.106649144	0.324938269
## HGSRE_align.H.PET	0.173793580	0.767291545
## LGHRE_align.H.PET	0.106918962	0.336731580
## HGLRE_align.H.PET	-0.344592764	0.024394012
## GLNU_norm_align.H.PET	-0.427474622	0.022019294
## RLNU_norm_align.H.PET	0.507813382	0.964728185
## GLVAR_align.H.PET	0.517972752	0.946325861
## RLVAR_align.H.PET	-0.418239603	-0.113749781
## Entropy_align.H.PET	0.563803968	0.980322304
## SZSE.H.PET	0.557768269	0.953878415
## LZSE.H.PET	-0.171766369	-0.196439097
## LGLZE.H.PET	0.111106104	0.330863076
## HGLZE.H.PET	0.064790295	0.634292724
## SZLGE.H.PET	0.106374182	0.322476381
## SZHGE.H.PET	0.374414357	0.796925496
## LZLGE.H.PET	-0.204465999	-0.180783517
## LZHGE.H.PET	-0.207288203	-0.231045066
## GLNU_area.H.PET	0.248163895	0.406602757
## ZSNU.H.PET	0.505720332	0.448417750
## ZSP.H.PET	0.693640296	0.909107007
## GLNU_norm.H.PET	-0.428577718	0.039126032
## ZSNU_norm.H.PET	0.677804026	0.929152976
## GLVAR_area.H.PET	0.512071437	0.934802596
## ZSVAR_H.PET	-0.196135857	-0.218082903
## Entropy_area.H.PET	0.413015234	0.929049103
## Max_cooc.W.PET	-0.295264403	-0.053478854

## Average_cooc.W.PET	0.858113960	0.859709228
## Variance_cooc.W.PET	1.000000000	0.628823674
## Entropy_cooc.W.PET	0.628823674	1.000000000
## DAVE_cooc.W.PET	0.847639838	0.868878024
## DVAR_cooc.W.PET	0.963509581	0.666966796
## DENT_cooc.W.PET	0.642303851	0.989876933
## SAVE_cooc.W.PET	0.858215165	0.859355800
## SVAR_cooc.W.PET	0.990760906	0.588270202
## SENT_cooc.W.PET	0.577543797	0.973708436
## ASM_cooc.W.PET	-0.203338595	0.035443704
## Contrast_cooc.W.PET	0.934826652	0.678512707
## Dissimilarity_cooc.W.PET	0.847639838	0.868878024
## Inv_diff_cooc.W.PET	-0.270688657	0.328000822
## Inv_diff_norm_cooc.W.PET	0.268850700	0.856763663
## IDM_cooc.W.PET	-0.377470050	0.153425581
## IDM_norm_cooc.W.PET	0.268253004	0.860645826
## Inv_var_cooc.W.PET	-0.337626914	0.245447382
## Correlation_cooc.W.PET	0.217105812	0.541267142
## Autocorrelation_cooc.W.PET	0.920219850	0.640789586
## Tendency_cooc.W.PET	0.990760906	0.588270202
## Shade_cooc.W.PET	0.748161070	0.236483134
## Prominence_cooc.W.PET	0.746239805	0.215683014
## IC1_d.W.PET	-0.097883843	-0.083440345
## IC2_d.W.PET	0.421403517	0.785343788
## Coarseness_vdif.W.PET	-0.075036654	0.176902180
## Contrast_vdif.W.PET	0.670325375	0.701423099
## Busyness_vdif.W.PET	-0.415392891	-0.084908973
## Complexity_vdif.W.PET	0.925747995	0.490895891
## Strength_vdif.W.PET	0.538937755	0.358035129
## SRE_align.W.PET	0.331767612	0.902880421
## LRE_align.W.PET	-0.045960901	0.546266958
## GLNU_align.W.PET	0.046681920	0.280125333
## RLNU_align.W.PET	0.375381129	0.421280194
## RP_align.W.PET	0.351065663	0.913021780
## LGRE_align.W.PET	-0.390984985	0.031776559
## HGRE_align.W.PET	0.920675560	0.646237970
## LGSRE_align.W.PET	-0.370676523	0.076442131
## HGSRE_align.W.PET	0.924573803	0.643229456
## LGHRE_align.W.PET	-0.427624235	-0.124361585
## HGLRE_align.W.PET	0.901451935	0.656226373
## GLNU_norm_align.W.PET	-0.384723826	0.039468492
## RLNU_norm_align.W.PET	0.410785785	0.941145149
## GLVAR_align.W.PET	0.994287395	0.637130821
## RLVAR_align.W.PET	-0.398429265	-0.060487125
## Entropy_align.W.PET	0.566714923	0.987964732
## SZSE.W.PET	0.435324437	0.929275981
## LZSE.W.PET	-0.340015793	-0.200441435
## LGLZE.W.PET	-0.396304049	0.052352235
## HGLZE.W.PET	0.932112954	0.649842647
## SZLGE.W.PET	-0.316165848	0.167215663
## SZHGE.W.PET	0.943105335	0.638628801
## LZLGE.W.PET	-0.265457418	-0.251645715
## LZHGE.W.PET	0.624334643	0.538995089
## GLNU_area.W.PET	0.136095723	0.343647479

## ZSNU.W.PET	0.440489684	0.438392530
## ZSP.W.PET	0.545517161	0.960446133
## GLNU_norm.W.PET	-0.387716357	0.054515703
## ZSNU_norm.W.PET	0.562971638	0.960609717
## GLVAR_area.W.PET	0.994151280	0.639086959
## ZSVAR.W.PET	-0.323013936	-0.253611289
## Entropy_area.W.PET	0.472490025	0.956988164
## Min_hist.ADC	0.046572226	0.209899840
## Max_hist.ADC	0.236998692	0.764396218
## Mean_hist.ADC	0.165232481	0.706147843
## Variance_hist.ADC	0.096755347	0.350558970
## Standard_Deviation_hist.ADC	0.181215864	0.602150949
## Skewness_hist.ADC	0.193605172	0.237607810
## Kurtosis_hist.ADC	0.179431741	0.295262486
## Energy_hist.ADC	0.036439560	0.278061281
## Entropy_hist.ADC	0.295586386	0.860375819
## AUC_hist.ADC	0.287965946	0.858314214
## Volume.ADC	0.264817040	0.421712454
## X3D_surface.ADC	0.196153250	0.466618844
## ratio_3ds_vol.ADC	0.060895700	0.448729161
## ratio_3ds_vol_norm.ADC	0.252843407	0.828924630
## irregularity.ADC	0.245658464	0.808038993
## Compactness_v1.ADC	0.122171801	0.506040010
##	DAVE_cooc.W.PET	DVAR_cooc.W.PET
## Failure	-0.06957525	-8.465391e-02
## Entropy_cooc.W.ADC	-0.02791894	-2.645512e-02
## GLNU_align.H.PET	-0.07793518	-6.853612e-02
## Min_hist.PET	0.90925325	8.163681e-01
## Max_hist.PET	0.90869773	8.626430e-01
## Mean_hist.PET	0.93870546	8.613735e-01
## Variance_hist.PET	0.84500566	9.569849e-01
## Standard_Deviation_hist.PET	0.96049299	9.237306e-01
## Skewness_hist.PET	0.17929289	8.102736e-02
## Kurtosis_hist.PET	-0.04313267	-5.922308e-02
## Energy_hist.PET	0.12827538	1.740409e-02
## Entropy_hist.PET	0.55558290	3.492829e-01
## AUC_hist.PET	0.53342539	2.791003e-01
## H_suv.PET	0.96203783	8.766764e-01
## Volume.PET	0.31531518	2.544688e-01
## X3D_surface.PET	0.19978062	1.587396e-01
## ratio_3ds_vol.PET	0.18408117	4.901686e-02
## ratio_3ds_vol_norm.PET	0.25543585	1.475976e-01
## irregularity.PET	0.48707344	2.412625e-01
## tumor_length.PET	0.40269519	2.788075e-01
## Compactness_v1.PET	0.26908498	1.384472e-01
## Compactness_v2.PET	0.27667982	2.236833e-01
## Spherical_disproportion.PET	0.25543585	1.475976e-01
## Sphericity.PET	0.27884374	2.194869e-01
## Asphericity.PET	0.24188137	1.404497e-01
## Center_of_mass.PET	0.32530138	3.581916e-01
## Max_3D_diam.PET	0.43690728	3.602207e-01
## Major_axis_length.PET	0.49004806	4.182527e-01
## Minor_axis_length.PET	0.45250214	2.991288e-01
## Least_axis_length.PET	0.43740372	3.158762e-01

## Elongation.PET	0.37070436	1.028667e-01	0.665702185
## Flatness.PET	0.37718249	1.280969e-01	0.644408964
## Max_cooc.L.PET	0.14510503	3.964570e-02	0.302597312
## Average_cooc.L.PET	0.47944219	2.395453e-01	0.680285471
## Variance_cooc.L.PET	0.34434708	1.423606e-01	0.506186068
## Entropy_cooc.L.PET	0.58727844	3.265396e-01	0.856533861
## DAVE_cooc.L.PET	0.47792854	2.298780e-01	0.658063494
## DVAR_cooc.L.PET	0.47177002	2.641670e-01	0.617934630
## DENT_cooc.L.PET	0.57264624	3.054347e-01	0.834964220
## SAVE_cooc.L.PET	0.47946854	2.395964e-01	0.680224182
## SVAR_cooc.L.PET	0.29185885	1.088684e-01	0.473017423
## SENT_cooc.L.PET	0.52348073	2.680351e-01	0.803979162
## ASM_cooc.L.PET	0.14326084	3.983700e-02	0.288658353
## Contrast_cooc.L.PET	0.38134129	1.763889e-01	0.490683267
## Dissimilarity_cooc.L.PET	0.47792854	2.298780e-01	0.658063494
## Inv_diff_cooc.L.PET	0.41620438	2.416964e-01	0.697086536
## Inv_diff_norm_cooc.L.PET	0.54160349	2.948784e-01	0.836348891
## IDM_cooc.L.PET	0.34828394	2.063872e-01	0.610888339
## IDM_norm_cooc.L.PET	0.54714940	2.955548e-01	0.840208541
## Inv_var_cooc.L.PET	0.35525377	2.128496e-01	0.616762887
## Correlation_cooc.L.PET	0.18301479	7.994437e-02	0.440995221
## Autocorrelation_cooc.L.PET	0.31550440	1.244833e-01	0.462762338
## Tendency_cooc.L.PET	0.29185885	1.088684e-01	0.473017423
## Shade_cooc.L.PET	0.14262457	1.181047e-01	0.232118661
## Prominence_cooc.L.PET	0.14298910	2.228847e-02	0.279978917
## IC1_.L.PET	-0.05449026	2.074934e-02	-0.171008491
## IC2_.L.PET	0.41870637	1.989905e-01	0.685101658
## Coarseness_vdif_.L.PET	0.10097794	-1.845311e-02	0.262512706
## Contrast_vdif_.L.PET	0.08606930	-2.098725e-02	0.159532520
## Busyness_vdif_.L.PET	0.28314317	2.219334e-01	0.374264786
## Complexity_vdif_.L.PET	0.46969299	2.373400e-01	0.639790912
## Strength_vdif_.L.PET	-0.01309492	-9.113028e-02	0.105983592
## SRE_align.L.PET	0.55549021	2.965869e-01	0.843386468
## LRE_align.L.PET	0.54237262	2.960063e-01	0.837340344
## GLNU_align.L.PET	0.24124672	2.032304e-01	0.317925028
## RLNU_align.L.PET	0.27521997	2.372329e-01	0.323921011
## RP_align.L.PET	0.55530541	2.956088e-01	0.842927670
## LGRE_align.L.PET	0.24780748	9.998392e-02	0.477117177
## HGRE_align.L.PET	0.35218941	1.508952e-01	0.497289745
## LGSRE_align.L.PET	0.25223564	1.015174e-01	0.481730074
## HGSRE_align.L.PET	0.35167640	1.501959e-01	0.495882479
## LGHRE_align.L.PET	0.22840335	9.330664e-02	0.455970140
## HGLRE_align.L.PET	0.35348609	1.534641e-01	0.501857205
## GLNU_norm_align.L.PET	0.25713148	1.014913e-01	0.488987514
## RLNU_norm_align.L.PET	0.55526596	2.932347e-01	0.841195709
## GLVAR_align.L.PET	0.36713729	1.531616e-01	0.535184727
## RLVAR_align.L.PET	0.27201877	1.542054e-01	0.492729836
## Entropy_align.L.PET	0.57947525	3.214974e-01	0.851825906
## SZSE.L.PET	0.55519545	3.010070e-01	0.828236870
## LZSE.L.PET	0.34144895	1.812951e-01	0.577485836
## LGLZE.L.PET	0.24994732	9.473361e-02	0.484857343
## HGLZE.L.PET	0.36314211	1.601552e-01	0.509335203
## SZLGE.L.PET	0.25926552	9.658897e-02	0.492825550
## SZHGE.L.PET	0.37020652	1.687302e-01	0.509867465

## LZLGE.L.PET	0.16817510	8.107960e-02	0.374931193
## LZHGE.L.PET	0.26294804	9.763855e-02	0.405015035
## GLNU_area.L.PET	0.24919625	2.086126e-01	0.322953367
## ZSNU.L.PET	0.28462631	2.428689e-01	0.329298889
## ZSP.L.PET	0.55601468	2.963177e-01	0.831357316
## GLNU_norm.L.PET	0.25728662	1.006350e-01	0.489348825
## ZSNU_norm.L.PET	0.55473833	2.890259e-01	0.832047891
## GLVAR_area.L.PET	0.38057898	1.653796e-01	0.548971033
## ZSVAR.L.PET	0.20029269	1.441344e-01	0.374781720
## Entropy_area.L.PET	0.58001785	3.256920e-01	0.854494687
## Max_cooc.H.PET	-0.38476408	-4.241092e-01	-0.148657734
## Average_cooc.H.PET	0.39629468	1.452380e-01	0.722240212
## Variance_cooc.H.PET	0.77637481	5.466928e-01	0.928892486
## Entropy_cooc.H.PET	0.73955823	5.410262e-01	0.894971972
## DAVE_cooc.H.PET	0.75614554	4.878046e-01	0.925138476
## DVAR_cooc.H.PET	0.69416446	4.467932e-01	0.858407382
## DENT_cooc.H.PET	0.59776666	3.630611e-01	0.787442376
## SAVE_cooc.H.PET	0.46920686	2.124327e-01	0.779097400
## SVAR_cooc.H.PET	0.64910200	4.367029e-01	0.838626246
## SENT_cooc.H.PET	0.68263315	5.096250e-01	0.778669844
## ASM_cooc.H.PET	-0.34827188	-3.828305e-01	-0.138495601
## Contrast_cooc.H.PET	0.76642632	5.170347e-01	0.877574821
## Dissimilarity_cooc.H.PET	0.75614554	4.878046e-01	0.925138476
## Inv_diff_cooc.H.PET	-0.15050015	-2.931168e-01	0.200750406
## Inv_diff_norm_cooc.H.PET	0.50015356	2.522605e-01	0.804796711
## IDM_cooc.H.PET	-0.27483944	-3.929359e-01	0.066862493
## IDM_norm_cooc.H.PET	0.52803317	2.755208e-01	0.826285610
## Inv_var_cooc.H.PET	0.48091623	3.847189e-01	0.589681478
## Correlation_cooc.H.PET	0.25167503	1.455762e-01	0.493895869
## Autocorrelation_cooc.H.PET	0.24505084	1.509163e-02	0.589558192
## Tendency_cooc.H.PET	0.71235396	5.138575e-01	0.873568853
## Shade_cooc.H.PET	-0.39739411	-2.398533e-01	-0.481048872
## Prominence_cooc.H.PET	0.72489285	5.854158e-01	0.781715567
## IC1_d.H.PET	0.20132143	1.612988e-01	0.085952991
## IC2_d.H.PET	0.40514075	2.697574e-01	0.644943160
## Coarseness_vdif.H.PET	0.15311590	4.997607e-02	0.287554949
## Contrast_vdif.H.PET	-0.29586803	-3.631422e-01	-0.097990109
## Busyness_vdif.H.PET	0.07076308	1.382111e-02	0.144141986
## Complexity_vdif.H.PET	0.44109655	2.300633e-01	0.595162006
## Strength_vdif.H.PET	-0.11698486	-1.049033e-01	-0.096456074
## SRE_align.H.PET	0.70154144	4.444209e-01	0.934480141
## LRE_align.H.PET	-0.11652037	-2.541928e-01	0.205239186
## RLNU_align.H.PET	0.35489788	3.281665e-01	0.371009345
## RP_align.H.PET	0.73028284	4.762676e-01	0.946862969
## LGRE_align.H.PET	0.21127009	1.090074e-01	0.339928397
## HGRE_align.H.PET	0.26888555	3.890902e-02	0.605729817
## LGSRE_align.H.PET	0.20995776	1.081649e-01	0.337808376
## HGSRE_align.H.PET	0.47108179	2.185639e-01	0.771323308
## LGHRE_align.H.PET	0.21043840	1.057733e-01	0.345961577
## HGLRE_align.H.PET	-0.28740933	-3.639669e-01	-0.019552923
## GLNU_norm_align.H.PET	-0.30354109	-4.268280e-01	0.018602935
## RLNU_norm_align.H.PET	0.81127788	5.686228e-01	0.976871549
## GLVAR_align.H.PET	0.77500843	5.544529e-01	0.914631828
## RLVAR_align.H.PET	-0.41852320	-4.581727e-01	-0.169994805

## Entropy_align.H.PET	0.78500517	5.830864e-01	0.950989808
## SZSE.H.PET	0.83638098	6.162297e-01	0.967332687
## LZSE.H.PET	-0.22971500	-1.824991e-01	-0.216153302
## LGLZE.H.PET	0.21526755	1.131027e-01	0.342878831
## HGLZE.H.PET	0.31016924	8.547605e-02	0.622553975
## SZLGE.H.PET	0.20962371	1.088679e-01	0.335852783
## SZHGE.H.PET	0.64604925	4.344658e-01	0.829914991
## LZLGE.H.PET	-0.26120016	-2.230668e-01	-0.209488704
## LZHGE.H.PET	-0.27515953	-2.208874e-01	-0.251352394
## GLNU_area.H.PET	0.24753201	1.722587e-01	0.335576332
## ZSNU.H.PET	0.43120084	4.313938e-01	0.393021318
## ZSP.H.PET	0.93864220	7.683241e-01	0.942819294
## GLNU_norm.H.PET	-0.30065381	-4.307695e-01	0.025410060
## ZSNU_norm.H.PET	0.92511998	7.486913e-01	0.958365215
## GLVAR_area.H.PET	0.77120922	5.533411e-01	0.902844034
## ZSVAR_H.PET	-0.26144891	-2.092816e-01	-0.239737679
## Entropy_area.H.PET	0.65046008	4.243660e-01	0.891225168
## Max_cooc.W.PET	-0.24693124	-3.002115e-01	-0.040204862
## Average_cooc.W.PET	0.93462989	8.790563e-01	0.850511013
## Variance_cooc.W.PET	0.84763984	9.635096e-01	0.642303851
## Entropy_cooc.W.PET	0.86887802	6.669668e-01	0.989876933
## DAVE_cooc.W.PET	1.00000000	9.194856e-01	0.900677236
## DVAR_cooc.W.PET	0.91948562	1.000000e+00	0.700314780
## DENT_cooc.W.PET	0.90067724	7.003148e-01	1.000000000
## SAVE_cooc.W.PET	0.93454768	8.791687e-01	0.850125696
## SVAR_cooc.W.PET	0.78325830	9.195414e-01	0.591711732
## SENT_cooc.W.PET	0.80977449	6.005166e-01	0.965630416
## ASM_cooc.W.PET	-0.14535052	-2.117540e-01	0.044809033
## Contrast_cooc.W.PET	0.94033258	9.925318e-01	0.717055176
## Dissimilarity_cooc.W.PET	1.00000000	9.194856e-01	0.900677236
## Inv_diff_cooc.W.PET	-0.09203191	-2.836713e-01	0.290210553
## Inv_diff_norm_cooc.W.PET	0.53546868	2.885582e-01	0.832095360
## IDM_cooc.W.PET	-0.25150912	-4.001204e-01	0.113706051
## IDM_norm_cooc.W.PET	0.54565954	2.937215e-01	0.839366264
## Inv_var_cooc.W.PET	-0.18175063	-3.592065e-01	0.202775515
## Correlation_cooc.W.PET	0.19678466	9.368170e-02	0.450824126
## Autocorrelation_cooc.W.PET	0.82057269	8.993904e-01	0.630140821
## Tendency_cooc.W.PET	0.78325830	9.195414e-01	0.591711732
## Shade_cooc.W.PET	0.38056134	6.130260e-01	0.239285025
## Prominence_cooc.W.PET	0.36661722	6.112985e-01	0.211471993
## IC1_d.W.PET	0.03720693	-1.141595e-02	-0.019416837
## IC2_d.W.PET	0.53224601	3.805030e-01	0.745232424
## Coarseness_vdif.W.PET	0.05462490	-5.982728e-02	0.215794116
## Contrast_vdif.W.PET	0.88292387	7.797641e-01	0.775062714
## Busyness_vdif.W.PET	-0.38354871	-4.540397e-01	-0.142168801
## Complexity_vdif.W.PET	0.67227529	8.533052e-01	0.484765359
## Strength_vdif.W.PET	0.51251257	5.345449e-01	0.430702125
## SRE_align.W.PET	0.63024542	3.716521e-01	0.894080644
## LRE_align.W.PET	0.16204475	-4.319629e-02	0.505715597
## GLNU_align.W.PET	0.04080731	-3.521412e-02	0.196437532
## RLNU_align.W.PET	0.31690920	2.854226e-01	0.349256669
## RP_align.W.PET	0.65137311	3.930842e-01	0.906497574
## LGRE_align.W.PET	-0.26593395	-3.912341e-01	0.046312656
## HGRE_align.W.PET	0.82807593	9.064051e-01	0.636361230

## LGSRE_align.W.PET	-0.22649186	-3.676936e-01	0.093912525
## HGSRE_align.W.PET	0.83061561	9.114307e-01	0.635119097
## LGHRE_align.W.PET	-0.37836530	-4.380792e-01	-0.121749363
## HGLRE_align.W.PET	0.81365167	8.822043e-01	0.638528731
## GLNU_norm_align.W.PET	-0.26208933	-3.824764e-01	0.043390369
## RLNU_norm_align.W.PET	0.71421867	4.589590e-01	0.940670799
## GLVAR_align.W.PET	0.84366077	9.562782e-01	0.642195863
## RLVAR_align.W.PET	-0.37845267	-4.358280e-01	-0.111256562
## Entropy_align.W.PET	0.79907882	5.912893e-01	0.963044367
## SZSE.W.PET	0.72705456	4.844635e-01	0.933212680
## LZSE.W.PET	-0.37414396	-3.617348e-01	-0.233970879
## LGLZE.W.PET	-0.26245398	-3.955398e-01	0.059399469
## HGLZE.W.PET	0.83437383	9.162686e-01	0.641961490
## SZLGE.W.PET	-0.14032951	-3.030944e-01	0.182584460
## SZHGE.W.PET	0.83895261	9.293687e-01	0.636172030
## LZLGE.W.PET	-0.32171461	-2.777869e-01	-0.259130020
## LZHGE.W.PET	0.54925026	5.822546e-01	0.486356626
## GLNU_area.W.PET	0.13557768	5.664591e-02	0.264830813
## ZSNU.W.PET	0.37543268	3.570981e-01	0.374742887
## ZSP.W.PET	0.83279224	6.037635e-01	0.974552672
## GLNU_norm.W.PET	-0.26086008	-3.864846e-01	0.052028590
## ZSNU_norm.W.PET	0.84607295	6.244008e-01	0.978820140
## GLVAR_area.W.PET	0.84335012	9.556603e-01	0.644320176
## ZSVAR.W.PET	-0.38003405	-3.432504e-01	-0.281783498
## Entropy_area.W.PET	0.71072573	4.899410e-01	0.923732286
## Min_hist.ADC	0.13223588	7.242429e-02	0.221007798
## Max_hist.ADC	0.47273462	2.603007e-01	0.745025990
## Mean_hist.ADC	0.43281845	2.141125e-01	0.708510368
## Variance_hist.ADC	0.17658101	9.163693e-02	0.336011786
## Standard_Deviation_hist.ADC	0.35433948	1.921829e-01	0.585883228
## Skewness_hist.ADC	0.16834360	1.509215e-01	0.204177635
## Kurtosis_hist.ADC	0.21639861	1.585644e-01	0.283719680
## Energy_hist.ADC	0.14613860	3.797284e-02	0.292960932
## Entropy_hist.ADC	0.56122727	3.154909e-01	0.835177229
## AUC_hist.ADC	0.56263333	3.151242e-01	0.838240350
## Volume.ADC	0.29447651	2.343439e-01	0.367564675
## X3D_surface.ADC	0.29157321	1.767590e-01	0.426746253
## ratio_3ds_vol.ADC	0.27212073	1.112523e-01	0.465857069
## ratio_3ds_vol_norm.ADC	0.52835738	2.802253e-01	0.810921088
## irregularity.ADC	0.53237028	2.918271e-01	0.800447767
## Compactness_v1.ADC	0.30376740	1.345652e-01	0.512134020
##	SAVE_cooc.W.PET	SVAR_cooc.W.PET	SENT_cooc.W.PET
## Failure	-0.0977078081	-0.1189942599	-0.0463813518
## Entropy_cooc.W.ADC	0.0501635824	0.0683620273	0.0630475401
## GLNU_align.H.PET	-0.0091945906	0.0185640381	0.0005699544
## Min_hist.PET	0.8908587818	0.7247756801	0.7624812494
## Max_hist.PET	0.9456735367	0.8381773860	0.8011832086
## Mean_hist.PET	0.9583938560	0.7813159179	0.7836030224
## Variance_hist.PET	0.8837259311	0.9861840585	0.5773955851
## Standard_Deviation_hist.PET	0.9711337392	0.8857419848	0.8163006511
## Skewness_hist.PET	0.0342657144	0.0808225378	0.4316389112
## Kurtosis_hist.PET	-0.0931718184	-0.0421144684	0.0904411825
## Energy_hist.PET	0.0685442186	0.0068851957	0.3793355499
## Entropy_hist.PET	0.5938452934	0.3246399709	0.8444871157

## AUC_hist.PET	0.5057197299	0.2277946531	0.8906182958
## H_suv.PET	0.9104744219	0.7463320234	0.8122168968
## Volume.PET	0.4274436606	0.2928375888	0.3600032317
## X3D_surface.PET	0.3164326021	0.2907448901	0.3313285011
## ratio_3ds_vol.PET	0.0493182971	0.0094451191	0.4810826832
## ratio_3ds_vol_norm.PET	0.2510197829	0.2270872828	0.6091902426
## irregularity.PET	0.4277729117	0.1722205877	0.8283392195
## tumor_length.PET	0.5155361176	0.3796382076	0.6662478942
## Compactness_v1.PET	0.2583316711	0.1190848047	0.4805711525
## Compactness_v2.PET	0.3466978781	0.1833521434	0.1570111690
## Spherical_disproportion.PET	0.2510197829	0.2270872828	0.6091902426
## Sphericity.PET	0.3300451456	0.1584697339	0.1548858428
## Asphericity.PET	0.2381908365	0.2233108100	0.5910235666
## Center_of_mass.PET	0.3968504204	0.5543593739	0.4740929890
## Max_3D_diam.PET	0.5824482742	0.4071809580	0.5036400330
## Major_axis_length.PET	0.6396524724	0.4699807821	0.5766913387
## Minor_axis_length.PET	0.5646769417	0.3608968459	0.6949375935
## Least_axis_length.PET	0.5748385543	0.4007570195	0.6200153344
## Elongation.PET	0.3101394304	0.0483063029	0.7460769834
## Flatness.PET	0.3587996996	0.1136957785	0.7183699877
## Max_cooc.L.PET	0.1054722955	0.0425300975	0.4145773387
## Average_cooc.L.PET	0.4723508413	0.1358562462	0.7109151218
## Variance_cooc.L.PET	0.2001192467	0.0312632983	0.5182481963
## Entropy_cooc.L.PET	0.5722082408	0.2561875192	0.8973866075
## DAVE_cooc.L.PET	0.3235550388	0.0615054125	0.6388848526
## DVAR_cooc.L.PET	0.2869636183	0.1116404951	0.5871036430
## DENT_cooc.L.PET	0.5012194883	0.2003923848	0.8607826071
## SAVE_cooc.L.PET	0.4724162337	0.1358606061	0.7107297172
## SVAR_cooc.L.PET	0.1916382380	0.0554823880	0.5223725539
## SENT_cooc.L.PET	0.4848213980	0.2119816866	0.8860855849
## ASM_cooc.L.PET	0.1075112574	0.0436623725	0.4002523690
## Contrast_cooc.L.PET	0.1866350390	-0.0114194884	0.4418605199
## Dissimilarity_cooc.L.PET	0.3235550388	0.0615054125	0.6388848526
## Inv_diff_cooc.L.PET	0.4731329058	0.2881159583	0.8001485088
## Inv_diff_norm_cooc.L.PET	0.5367932058	0.2569016786	0.9002584413
## IDM_cooc.L.PET	0.4128779755	0.2760904725	0.7248066837
## IDM_norm_cooc.L.PET	0.5342859149	0.2488505590	0.9002820658
## Inv_var_cooc.L.PET	0.4212117632	0.2821194738	0.7297706810
## Correlation_cooc.L.PET	0.3302057639	0.2586762066	0.6040348396
## Autocorrelation_cooc.L.PET	0.3275652649	0.0395433311	0.5015156023
## Tendency_cooc.L.PET	0.1916382380	0.0554823880	0.5223725539
## Shade_cooc.L.PET	-0.0172261999	0.1326524534	0.2659872416
## Prominence_cooc.L.PET	0.0096174855	-0.0121936551	0.3313247136
## IC1_.L.PET	0.0384647817	0.0396446651	-0.1980924060
## IC2_.L.PET	0.3490362888	0.1560031619	0.7672628758
## Coarseness_vdif_.L.PET	0.0266103582	-0.0399338705	0.3683363078
## Contrast_vdif_.L.PET	-0.0500880156	-0.1078809651	0.1268867382
## Busyness_vdif_.L.PET	0.3733958517	0.3267287965	0.3841289008
## Complexity_vdif_.L.PET	0.2818611614	0.0642637032	0.6186541238
## Strength_vdif_.L.PET	-0.1688214889	-0.1368642252	0.1305194231
## SRE_align.L.PET	0.5240428516	0.2328648857	0.8955452051
## LRE_align.L.PET	0.5374069259	0.2595929790	0.9005799855
## GLNU_align.L.PET	0.3800033393	0.3371332446	0.3539628976
## RLNU_align.L.PET	0.4339508183	0.3597159250	0.3457705665

## RP_align.L.PET	0.5222657953	0.2301886491	0.8945341973
## LGRE_align.L.PET	0.1324079963	0.1138936219	0.5533928315
## HGRE_align.L.PET	0.3466673917	0.0452996705	0.5223725862
## LGSRE_align.L.PET	0.1355483264	0.1123646815	0.5581309204
## HGSRE_align.L.PET	0.3417428608	0.0426983226	0.5195885211
## LGHRE_align.L.PET	0.1194855291	0.1200297698	0.5318897397
## HGLRE_align.L.PET	0.3660227458	0.0560915687	0.5325001376
## GLNU_norm_align.L.PET	0.1989240369	0.0962602044	0.5928512228
## RLNU_norm_align.L.PET	0.5165033477	0.2220894771	0.8907840829
## GLVAR_align.L.PET	0.2568057164	0.0436584721	0.5523905548
## RLVAR_align.L.PET	0.3274360331	0.2305850594	0.6257940830
## Entropy_align.L.PET	0.5736061061	0.2598395680	0.8998166005
## SZSE.L.PET	0.5138634988	0.2298047241	0.8715079408
## LZSE.L.PET	0.3856980055	0.2031830750	0.6545793378
## LGLZE.L.PET	0.1379659977	0.1068606876	0.5634320974
## HGLZE.L.PET	0.3518144686	0.0525696246	0.5326094625
## SZLGE.L.PET	0.1453878292	0.1008705698	0.5698946875
## SZHGE.L.PET	0.3435567932	0.0553393816	0.5254508308
## LZLGE.L.PET	0.0883940907	0.1442316589	0.4519722516
## LZHGE.L.PET	0.3191678440	0.0416554205	0.4550076752
## GLNU_area.L.PET	0.3875912791	0.3384818059	0.3550085914
## ZSNU.L.PET	0.4397187887	0.3561405097	0.3437405008
## ZSP.L.PET	0.5083786808	0.2178775837	0.8727490606
## GLNU_norm.L.PET	0.2003905897	0.0952653708	0.5937914388
## ZSNU_norm.L.PET	0.5008721701	0.2038890886	0.8723157984
## GLVAR_area.L.PET	0.2687036092	0.0539602036	0.5657139494
## ZSVAR.L.PET	0.3066828754	0.2601521547	0.4825806141
## Entropy_area.L.PET	0.5815428041	0.2720080417	0.9059844691
## Max_cooc.H.PET	-0.4050029534	-0.3899139061	-0.0371109163
## Average_cooc.H.PET	0.3598710477	0.0939820571	0.7897963292
## Variance_cooc.H.PET	0.7926088159	0.4676819565	0.9374469330
## Entropy_cooc.H.PET	0.7036632097	0.4561645564	0.8733816197
## DAVE_cooc.H.PET	0.6728745238	0.3218703695	0.8955858810
## DVAR_cooc.H.PET	0.6326107955	0.2695639356	0.8342286424
## DENT_cooc.H.PET	0.5845752272	0.2969751095	0.7844107710
## SAVE_cooc.H.PET	0.4373603838	0.1576652952	0.8406663122
## SVAR_cooc.H.PET	0.7020506209	0.4102512722	0.8968849942
## SENT_cooc.H.PET	0.6384961208	0.4674469454	0.8653765627
## ASM_cooc.H.PET	-0.3550729325	-0.3491283302	-0.0225537807
## Contrast_cooc.H.PET	0.6678499403	0.3069050059	0.8212546702
## Dissimilarity_cooc.H.PET	0.6728745238	0.3218703695	0.8955858810
## Inv_diff_cooc.H.PET	-0.1270822651	-0.2427377244	0.3475476199
## Inv_diff_norm_cooc.H.PET	0.4848507876	0.2140430547	0.8734756703
## IDM_cooc.H.PET	-0.2500074314	-0.3344502656	0.2187640134
## IDM_norm_cooc.H.PET	0.5083966673	0.2299787878	0.8884368773
## Inv_var_cooc.H.PET	0.4579691760	0.4077697045	0.6763094461
## Correlation_cooc.H.PET	0.4091508386	0.3242669501	0.6483762922
## Autocorrelation_cooc.H.PET	0.2165447316	-0.0109465971	0.6763937566
## Tendency_cooc.H.PET	0.7891607866	0.5127338983	0.9163857987
## Shade_cooc.H.PET	-0.5246098197	-0.2076111235	-0.5128242006
## Prominence_cooc.H.PET	0.8523964742	0.5996093959	0.8000724157
## IC1_d.H.PET	0.0530631288	-0.0115606299	-0.0292621950
## IC2_d.H.PET	0.5111209067	0.3896378047	0.7782713199
## Coarseness_vdif.H.PET	0.1064721152	0.0454850165	0.3936874878

## Contrast_vdif.H.PET	-0.2933944583	-0.3567890951	-0.0165985637
## Busyness_vdif.H.PET	0.1012894226	0.0155591994	0.0724807184
## Complexity_vdif.H.PET	0.3345729684	0.1123632079	0.6820632011
## Strength_vdif.H.PET	-0.1475951341	-0.1099208421	-0.0955244668
## SRE_align.H.PET	0.6560406729	0.3600089092	0.9533115875
## LRE_align.H.PET	-0.0790538672	-0.2182390345	0.3399161357
## RLNU_align.H.PET	0.5093424174	0.4426015706	0.3737147007
## RP_align.H.PET	0.6792196885	0.3848604326	0.9573726938
## LGRE_align.H.PET	0.1909760048	0.1038670553	0.4446557489
## HGRE_align.H.PET	0.2341126597	-0.0001943203	0.6819050086
## LGSRE_align.H.PET	0.1887855760	0.1026091916	0.4421680520
## HGSRE_align.H.PET	0.4046526401	0.1467770691	0.8093367118
## LGHRE_align.H.PET	0.1956724568	0.1042784140	0.4546848828
## HGLRE_align.H.PET	-0.2426662406	-0.3214366689	0.1139793626
## GLNU_norm_align.H.PET	-0.3436271145	-0.4108034246	0.1378413031
## RLNU_norm_align.H.PET	0.7473714824	0.4591522643	0.9632978286
## GLVAR_align.H.PET	0.8150682505	0.4797804690	0.9212783202
## RLVAR_align.H.PET	-0.3553630425	-0.3818795319	-0.0164616090
## Entropy_align.H.PET	0.8123880563	0.5354380135	0.9703319945
## SZSE.H.PET	0.7751609962	0.5095931010	0.9444193756
## LZSE.H.PET	-0.2085052780	-0.1600266483	-0.1598368753
## LGLZE.H.PET	0.1980007787	0.1067890842	0.4475336953
## HGLZE.H.PET	0.2532995474	0.0535909800	0.6871897067
## SZLGE.H.PET	0.1889882020	0.1019848633	0.4397511920
## SZHGE.H.PET	0.5247306684	0.3343911292	0.8081339692
## LZLGE.H.PET	-0.2257556463	-0.1870788807	-0.1194529246
## LZHGE.H.PET	-0.2450530550	-0.1926825124	-0.1878672017
## GLNU_area.H.PET	0.3731232345	0.2762087613	0.3513369287
## ZSNU.H.PET	0.5744044648	0.5249179358	0.3676579442
## ZSP.H.PET	0.8544900707	0.6316246522	0.8646610399
## GLNU_norm.H.PET	-0.3274149155	-0.4115620455	0.1575096560
## ZSNU_norm.H.PET	0.8472076081	0.6193592782	0.9017773095
## GLVAR_area.H.PET	0.8105000144	0.4715217461	0.9072628110
## ZSVAR.H.PET	-0.2340149522	-0.1819741643	-0.1764399299
## Entropy_area.H.PET	0.6817308072	0.3939624524	0.9360813641
## Max_cooc.W.PET	-0.2753543880	-0.2799635011	0.0705435570
## Average_cooc.W.PET	0.9999979167	0.8192840515	0.7905546563
## Variance_cooc.W.PET	0.8582151647	0.9907609061	0.5775437970
## Entropy_cooc.W.PET	0.8593558004	0.5882702017	0.9737084361
## DAVE_cooc.W.PET	0.9345476819	0.7832582963	0.8097744892
## DVAR_cooc.W.PET	0.8791686569	0.9195414057	0.6005166271
## DENT_cooc.W.PET	0.8501256958	0.5917117321	0.9656304162
## SAVE_cooc.W.PET	1.0000000000	0.8193769487	0.7899281312
## SVAR_cooc.W.PET	0.8193769487	1.0000000000	0.5456405495
## SENT_cooc.W.PET	0.7899281312	0.5456405495	1.0000000000
## ASM_cooc.W.PET	-0.1673257228	-0.1908864113	0.1680680337
## Contrast_cooc.W.PET	0.8831253364	0.8780306909	0.6090050513
## Dissimilarity_cooc.W.PET	0.9345476819	0.7832582963	0.8097744892
## Inv_diff_cooc.W.PET	-0.0763060242	-0.2531707552	0.4310565952
## Inv_diff_norm_cooc.W.PET	0.5305218562	0.2509975041	0.8968616465
## IDM_cooc.W.PET	-0.2266872913	-0.3509968125	0.2656455835
## IDM_norm_cooc.W.PET	0.5325666609	0.2470695478	0.8995015948
## Inv_var_cooc.W.PET	-0.1581237311	-0.3133517531	0.3555540660
## Correlation_cooc.W.PET	0.3436742938	0.2714600576	0.6121127431

## Autocorrelation_cooc.W.PET	0.9316037674	0.9033450893	0.5615967879
## Tendency_cooc.W.PET	0.8193769487	1.0000000000	0.5456405495
## Shade_cooc.W.PET	0.3808371295	0.8060088152	0.2395881929
## Prominence_cooc.W.PET	0.4099500579	0.8043381963	0.2054339623
## IC1_d.W.PET	-0.0598193843	-0.1382694382	-0.1015893425
## IC2_d.W.PET	0.5727055597	0.4281863783	0.8560948813
## Coarseness_vdif.W.PET	-0.0231486284	-0.0821448355	0.3094440060
## Contrast_vdif.W.PET	0.7195278781	0.5884941830	0.6912553014
## Busyness_vdif.W.PET	-0.3441346515	-0.3822489661	-0.0523734532
## Complexity_vdif.W.PET	0.7411230091	0.9436489326	0.4398738233
## Strength_vdif.W.PET	0.3635709736	0.5238428709	0.4187178160
## SRE_align.W.PET	0.5942868084	0.3005000005	0.9315012224
## LRE_align.W.PET	0.1788325654	-0.0443934470	0.6229411066
## GLNU_align.W.PET	0.1704862658	0.0855547858	0.2605459090
## RLNU_align.W.PET	0.4736101477	0.4064161908	0.3622659560
## RP_align.W.PET	0.6123366814	0.3179707613	0.9386496848
## LGRE_align.W.PET	-0.3528287611	-0.3750837675	0.1516778810
## HGRE_align.W.PET	0.9327855854	0.9011508830	0.5623576834
## LGSRE_align.W.PET	-0.3230234015	-0.3573323345	0.1973732584
## HGSRE_align.W.PET	0.9308828926	0.9044213900	0.5592809809
## LGHRE_align.W.PET	-0.4255438199	-0.4047938651	-0.0156214489
## HGLRE_align.W.PET	0.9374133858	0.8848441118	0.5732787789
## GLNU_norm_align.W.PET	-0.3078742765	-0.3703539507	0.1635516365
## RLNU_norm_align.W.PET	0.6666231601	0.3723421915	0.9573884818
## GLVAR_align.W.PET	0.8836654770	0.9861484224	0.5767281663
## RLVAR_align.W.PET	-0.3227738272	-0.3640262415	0.0509774032
## Entropy_align.W.PET	0.8163792493	0.5353825150	0.9747337820
## SZSE.W.PET	0.6762197621	0.3960602636	0.9389847781
## LZSE.W.PET	-0.3305892917	-0.3160269670	-0.1244615931
## LGLZE.W.PET	-0.3406694899	-0.3811428912	0.1754682928
## HGLZE.W.PET	0.9319926460	0.9134301705	0.5674971372
## SZLGE.W.PET	-0.2390893727	-0.3099202703	0.2891356788
## SZHGE.W.PET	0.9228893971	0.9232740478	0.5563273098
## LZLGE.W.PET	-0.3106476370	-0.2484647052	-0.1982566884
## LZHGE.W.PET	0.7334571658	0.6274765053	0.5004231376
## GLNU_area.W.PET	0.2633949154	0.1702784864	0.3077467712
## ZSNU.W.PET	0.5247399864	0.4661301183	0.3680735075
## ZSP.W.PET	0.7700692992	0.4973795096	0.9477788607
## GLNU_norm.W.PET	-0.3001370616	-0.3730851840	0.1819999223
## ZSNU_norm.W.PET	0.7798108482	0.5133849361	0.9492929065
## GLVAR_area.W.PET	0.8826574329	0.9864463812	0.5804892205
## ZSVAR.W.PET	-0.3403126408	-0.3003056233	-0.1861562903
## Entropy_area.W.PET	0.7351030201	0.4480337297	0.9586346937
## Min_hist.ADC	0.1380225919	0.0347482891	0.2246179395
## Max_hist.ADC	0.4657615063	0.2218911124	0.7808332792
## Mean_hist.ADC	0.3876243488	0.1410913064	0.7357510293
## Variance_hist.ADC	0.1809063753	0.1004821259	0.3746895416
## Standard_Deviation_hist.ADC	0.3454797644	0.1734213415	0.6327455611
## Skewness_hist.ADC	0.2528356925	0.2067591824	0.2361720536
## Kurtosis_hist.ADC	0.2260395071	0.1855030040	0.3176569312
## Energy_hist.ADC	0.1075148002	0.0339292214	0.4043023172
## Entropy_hist.ADC	0.5579463752	0.2757577704	0.8853497170
## AUC_hist.ADC	0.5529387216	0.2647370989	0.8912470221
## Volume.ADC	0.4027297438	0.2723895679	0.3391088589

## X3D_surface.ADC	0.3450915105	0.2012241216	0.4394285781
## ratio_3ds_vol.ADC	0.1990731095	0.0336184473	0.5197961272
## ratio_3ds_vol_norm.ADC	0.5052974678	0.2317456653	0.8560130487
## irregularity.ADC	0.4926707214	0.2145971608	0.8483055538
## Compactness_v1.ADC	0.2679254728	0.1111654147	0.6170838830
##	ASM_cooc.W.PET	Contrast_cooc.W.PET	
## Failure	0.1084872177	-0.076382713	
## Entropy_cooc.W.ADC	-0.0578805994	-0.042247588	
## GLNU_align.H.PET	0.0141228122	-0.081244965	
## Min_hist.PET	-0.1502480995	0.836399684	
## Max_hist.PET	-0.1533299702	0.853366018	
## Mean_hist.PET	-0.1702836274	0.875184963	
## Variance_hist.PET	-0.2130899354	0.928054458	
## Standard_Deviation_hist.PET	-0.1508436058	0.918616261	
## Skewness_hist.PET	0.3477435852	0.058335607	
## Kurtosis_hist.PET	0.1877843807	-0.082014169	
## Energy_hist.PET	0.8229451630	0.019375875	
## Entropy_hist.PET	0.1812848362	0.347501271	
## AUC_hist.PET	0.4242228403	0.285524990	
## H_suv.PET	-0.0635453417	0.895171553	
## Volume.PET	-0.2017191438	0.241258919	
## X3D_surface.PET	-0.0038648484	0.140553391	
## ratio_3ds_vol.PET	0.6488531868	0.055342139	
## ratio_3ds_vol_norm.PET	0.5258644325	0.129659202	
## irregularity.PET	0.4498120926	0.251405746	
## tumor_length.PET	0.1895024731	0.257680446	
## Compactness_v1.PET	0.7216464361	0.136465024	
## Compactness_v2.PET	-0.2528466833	0.220752778	
## Spherical_disproportion.PET	0.5258644325	0.129659202	
## Sphericity.PET	-0.3613682935	0.221566521	
## Asphericity.PET	0.5239794193	0.121887768	
## Center_of_mass.PET	0.0674342552	0.298468828	
## Max_3D_diam.PET	-0.2108744777	0.339236669	
## Major_axis_length.PET	-0.1094121490	0.395367827	
## Minor_axis_length.PET	0.0156230119	0.282850082	
## Least_axis_length.PET	-0.1011475961	0.297661992	
## Elongation.PET	0.3937962780	0.122946746	
## Flatness.PET	0.2718616283	0.143935587	
## Max_cooc.L.PET	0.8359441176	0.035362319	
## Average_cooc.L.PET	0.3058298443	0.274117575	
## Variance_cooc.L.PET	0.3324641688	0.180069123	
## Entropy_cooc.L.PET	0.2954145889	0.341611508	
## DAVE_cooc.L.PET	0.3230363893	0.275276045	
## DVAR_cooc.L.PET	0.3338646388	0.297923498	
## DENT_cooc.L.PET	0.3579615199	0.328396437	
## SAVE_cooc.L.PET	0.3049658192	0.274184915	
## SVAR_cooc.L.PET	0.3427140880	0.135416010	
## SENT_cooc.L.PET	0.4298202051	0.282031895	
## ASM_cooc.L.PET	0.8094049126	0.037373517	
## Contrast_cooc.L.PET	0.2712110139	0.226750824	
## Dissimilarity_cooc.L.PET	0.3230363893	0.275276045	
## Inv_diff_cooc.L.PET	0.4345244490	0.216645551	
## Inv_diff_norm_cooc.L.PET	0.3830946454	0.297412973	
## IDM_cooc.L.PET	0.4741159291	0.173710350	

## IDM_norm_cooc.L.PET	0.3832810705	0.301052831
## Inv_var_cooc.L.PET	0.4746622728	0.180076856
## Correlation_cooc.L.PET	0.3015506330	0.041204948
## Autocorrelation_cooc.L.PET	0.2793963267	0.161774701
## Tendency_cooc.L.PET	0.3427140880	0.135416010
## Shade_cooc.L.PET	0.2263444732	0.103582193
## Prominence_cooc.L.PET	0.3319848970	0.041248086
## IC1_.L.PET	-0.1449541510	0.009627529
## IC2_.L.PET	0.5076788321	0.210149878
## Coarseness_vdif_.L.PET	0.8343141694	-0.010075310
## Contrast_vdif_.L.PET	0.2289298384	0.002663886
## Busyness_vdif_.L.PET	-0.1347246639	0.196491942
## Complexity_vdif_.L.PET	0.3614485927	0.276854326
## Strength_vdif_.L.PET	0.4641917355	-0.080715332
## SRE_align.L.PET	0.3923349847	0.307312792
## LRE_align.L.PET	0.3668053471	0.297889049
## GLNU_align.L.PET	-0.1300677720	0.172462705
## RLNU_align.L.PET	-0.1890715065	0.212996495
## RP_align.L.PET	0.3931364172	0.306886292
## LGRE_align.L.PET	0.5931588667	0.087279776
## HGRE_align.L.PET	0.2891130920	0.191200975
## LGSRE_align.L.PET	0.5989902834	0.089933954
## HGSRE_align.L.PET	0.2916395119	0.190973313
## LGHRE_align.L.PET	0.5675129170	0.075923854
## HGLRE_align.L.PET	0.2773814664	0.191678101
## GLNU_norm_align.L.PET	0.7704410694	0.093149899
## RLNU_norm_align.L.PET	0.3962971014	0.306421241
## GLVAR_align.L.PET	0.3166664736	0.192420316
## RLVAR_align.L.PET	0.6340602336	0.125558722
## Entropy_align.L.PET	0.3126040081	0.334700233
## SZSE.L.PET	0.4013863858	0.314328184
## LZSE.L.PET	0.2024591708	0.166869445
## LGLZE.L.PET	0.5937248602	0.083513184
## HGLZE.L.PET	0.2900281398	0.200294955
## SZLGE.L.PET	0.6132340150	0.088784422
## SZHGE.L.PET	0.2995268278	0.209795563
## LZLGE.L.PET	0.4608186369	0.049603640
## LZHGE.L.PET	0.1869680193	0.123362694
## GLNU_area.L.PET	-0.1357423360	0.179667942
## ZSNU.L.PET	-0.1961854902	0.221448972
## ZSP.L.PET	0.4033482801	0.311954420
## GLNU_norm.L.PET	0.7698036764	0.092732449
## ZSNU_norm.L.PET	0.4058645499	0.306806873
## GLVAR_area.L.PET	0.3214262649	0.204437481
## ZSVAR.L.PET	0.2082700101	0.100680992
## Entropy_area.L.PET	0.3056167292	0.336003418
## Max_cooc.H.PET	0.8232713018	-0.438104825
## Average_cooc.H.PET	0.4709474764	0.152932867
## Variance_cooc.H.PET	0.0672447877	0.565381026
## Entropy_cooc.H.PET	0.1090845598	0.549300709
## DAVE_cooc.H.PET	0.1279260393	0.524147273
## DVAR_cooc.H.PET	0.1901851571	0.482129159
## DENT_cooc.H.PET	0.0409729709	0.383306451
## SAVE_cooc.H.PET	0.3837335330	0.221434376

## SVAR_cooc.H.PET	0.1293284588	0.444673652
## SENT_cooc.H.PET	0.2904293283	0.522689210
## ASM_cooc.H.PET	0.9053094771	-0.393595712
## Contrast_cooc.H.PET	0.0954867799	0.563065913
## Dissimilarity_cooc.H.PET	0.1279260393	0.524147273
## Inv_diff_cooc.H.PET	0.7331002741	-0.309404911
## Inv_diff_norm_cooc.H.PET	0.4312706092	0.256173339
## IDM_cooc.H.PET	0.7470006688	-0.410478653
## IDM_norm_cooc.H.PET	0.4045647125	0.281395134
## Inv_var_cooc_.H.PET	0.6191620037	0.370103326
## Correlation_cooc.H.PET	0.2544168560	0.106646268
## Autocorrelation_cooc.H.PET	0.5580047403	0.017853630
## Tendency_cooc.H.PET	0.0458570438	0.516105930
## Shade_cooc.H.PET	0.0604694626	-0.259915963
## Prominence_cooc.H.PET	-0.1113647346	0.586181361
## IC1_d.H.PET	0.1584101110	0.197346237
## IC2_d.H.PET	0.2652851223	0.240165048
## Coarseness_vdif.H.PET	0.8296230682	0.051092768
## Contrast_vdif.H.PET	0.4909365879	-0.359931185
## Busyness_vdif.H.PET	-0.3381205517	0.006967940
## Complexity_vdif.H.PET	0.4642147861	0.262281157
## Strength_vdif.H.PET	0.5360240657	-0.103481855
## SRE_align.H.PET	0.2729725142	0.459307745
## LRE_align.H.PET	0.5860266197	-0.265049002
## RLNU_align.H.PET	-0.2015280577	0.304409771
## RP_align.H.PET	0.2544465360	0.492844165
## LGRE_align.H.PET	0.7788864331	0.107170395
## HGRE_align.H.PET	0.5670535063	0.042491665
## LGSRE_align.H.PET	0.7792383690	0.106448034
## HGSRE_align.H.PET	0.4449149353	0.228510958
## LGHRE_align.H.PET	0.7808556319	0.103031555
## HGLRE_align.H.PET	0.6346468894	-0.374737155
## GLNU_norm_align.H.PET	0.7815195372	-0.433497184
## RLNU_norm_align.H.PET	0.1762537693	0.589390388
## GLVAR_align.H.PET	0.0354072750	0.571362815
## RLVAR_align.H.PET	0.5353431821	-0.476343983
## Entropy_align.H.PET	0.1214921500	0.587353694
## SZSE.H.PET	0.1397900599	0.633646687
## LZSE.H.PET	0.1833939360	-0.187083218
## LGLZE.H.PET	0.7757253310	0.111235018
## HGLZE.H.PET	0.4634593480	0.087904077
## SZLGE.H.PET	0.7786126414	0.107113779
## SZHGE.H.PET	0.2470424392	0.445388259
## LZLGE.H.PET	0.2807466199	-0.231819708
## LZHGE.H.PET	0.3083966203	-0.226989176
## GLNU_area.H.PET	-0.1890372901	0.152696279
## ZSNU.H.PET	-0.2161251528	0.410401883
## ZSP.H.PET	-0.0448596774	0.793757404
## GLNU_norm.H.PET	0.7241465794	-0.435410150
## ZSNU_norm.H.PET	0.0219333872	0.769930198
## GLVAR_area.H.PET	0.0208895793	0.572174521
## ZSVAR_H.PET	0.2262998943	-0.215647292
## Entropy_area.H.PET	0.2147131603	0.425596969
## Max_cooc.W.PET	0.9569965146	-0.309745045

## Average_cooc.W.PET	-0.1656378001	0.883008858
## Variance_cooc.W.PET	-0.2033385947	0.934826652
## Entropy_cooc.W.PET	0.0354437042	0.678512707
## DAVE_cooc.W.PET	-0.1453505213	0.940332584
## DVAR_cooc.W.PET	-0.2117540009	0.992531758
## DENT_cooc.W.PET	0.0448090334	0.717055176
## SAVE_cooc.W.PET	-0.1673257228	0.883125336
## SVAR_cooc.W.PET	-0.1908864113	0.878030691
## SENT_cooc.W.PET	0.1680680337	0.609005051
## ASM_cooc.W.PET	1.0000000000	-0.218796637
## Contrast_cooc.W.PET	-0.2187966373	1.000000000
## Dissimilarity_cooc.W.PET	-0.1453505213	0.940332584
## Inv_diff_cooc.W.PET	0.6840129590	-0.292962056
## Inv_diff_norm_cooc.W.PET	0.3897985742	0.291041434
## IDM_cooc.W.PET	0.7184240620	-0.413618011
## IDM_norm_cooc.W.PET	0.3848722242	0.299220537
## Inv_var_cooc.W.PET	0.6690489386	-0.371619072
## Correlation_cooc.W.PET	0.2878994457	0.055035687
## Autocorrelation_cooc.W.PET	-0.2346643487	0.882214823
## Tendency_cooc.W.PET	-0.1908864113	0.878030691
## Shade_cooc.W.PET	-0.0726670747	0.529819000
## Prominence_cooc.W.PET	-0.0911094034	0.527447300
## IC1_d.W.PET	0.2413822748	0.016026824
## IC2_d.W.PET	0.3120889941	0.365508735
## Coarseness_vdif.W.PET	0.8115395278	-0.050785031
## Contrast_vdif.W.PET	0.0071328001	0.824382775
## Busyness_vdif.W.PET	0.2018447689	-0.464956670
## Complexity_vdif.W.PET	-0.1633311338	0.796162370
## Strength_vdif.W.PET	0.0402172217	0.530089539
## SRE_align.W.PET	0.3321541181	0.383471174
## LRE_align.W.PET	0.5639764457	-0.046449962
## GLNU_align.W.PET	-0.0952216482	-0.059148870
## RLNU_align.W.PET	-0.1932836229	0.260702746
## RP_align.W.PET	0.3164877857	0.405833756
## LGRE_align.W.PET	0.7213222385	-0.398224664
## HGRE_align.W.PET	-0.2411886678	0.889577675
## LGSRE_align.W.PET	0.7098597706	-0.373072847
## HGSRE_align.W.PET	-0.2423648441	0.894773077
## LGHRE_align.W.PET	0.7162179050	-0.449565573
## HGLRE_align.W.PET	-0.2355290714	0.864427062
## GLNU_norm_align.W.PET	0.8605662705	-0.388668260
## RLNU_norm_align.W.PET	0.2635129352	0.474241139
## GLVAR_align.W.PET	-0.2145670011	0.926757998
## RLVAR_align.W.PET	0.6675739848	-0.453357209
## Entropy_align.W.PET	0.1114593354	0.597771014
## SZSE.W.PET	0.2651139520	0.498738858
## LZSE.W.PET	0.5066281929	-0.372577287
## LGLZE.W.PET	0.7177580009	-0.401161494
## HGLZE.W.PET	-0.2404578505	0.897787455
## SZLGE.W.PET	0.7109441343	-0.304943107
## SZHGE.W.PET	-0.2404552690	0.910808856
## LZLGE.W.PET	0.4730740677	-0.286262070
## LZHGE.W.PET	-0.1207805901	0.560296010
## GLNU_area.W.PET	-0.1405898015	0.034561346

## ZSNU.W.PET	-0.2037476631	0.334121577
## ZSP.W.PET	0.1284935564	0.622393427
## GLNU_norm.W.PET	0.8364846525	-0.392099946
## ZSNU_norm.W.PET	0.1442658748	0.642076699
## GLVAR_area.W.PET	-0.2098370922	0.925490949
## ZSVAR.W.PET	0.4602439796	-0.353698717
## Entropy_area.W.PET	0.1828203598	0.493925880
## Min_hist.ADC	0.2745812795	0.073137085
## Max_hist.ADC	0.2953982682	0.254971845
## Mean_hist.ADC	0.3351749951	0.213264001
## Variance_hist.ADC	0.2357956922	0.078033370
## Standard_Deviation_hist.ADC	0.3001674616	0.185020978
## Skewness_hist.ADC	0.1138110429	0.141720112
## Kurtosis_hist.ADC	0.0539467741	0.147381639
## Energy_hist.ADC	0.8169112135	0.038505419
## Entropy_hist.ADC	0.2820047355	0.320659301
## AUC_hist.ADC	0.3767116480	0.322514828
## Volume.ADC	-0.1979033624	0.221554986
## X3D_surface.ADC	-0.0009875281	0.165257696
## ratio_3ds_vol.ADC	0.4902057914	0.126300291
## ratio_3ds_vol_norm.ADC	0.2857641006	0.285082327
## irregularity.ADC	0.4109536581	0.304497615
## Compactness_v1.ADC	0.7771571949	0.138905875
##	Dissimilarity_cooc.W.PET	Inv_diff_cooc.W.PET
## Failure	-0.06957525	0.062569725
## Entropy_cooc.W.ADC	-0.02791894	0.040589170
## GLNU_align.H.PET	-0.07793518	0.007156253
## Min_hist.PET	0.90925325	-0.063614859
## Max_hist.PET	0.90869773	-0.039472572
## Mean_hist.PET	0.93870546	-0.082059311
## Variance_hist.PET	0.84500566	-0.272399778
## Standard_Deviation_hist.PET	0.96049299	-0.076473466
## Skewness_hist.PET	0.17929289	0.511694865
## Kurtosis_hist.PET	-0.04313267	0.216152499
## Energy_hist.PET	0.12827538	0.492009161
## Entropy_hist.PET	0.55558290	0.590550937
## AUC_hist.PET	0.53342539	0.767841577
## H_suv.PET	0.96203783	-0.049115575
## Volume.PET	0.31531518	0.111703128
## X3D_surface.PET	0.19978062	0.094429561
## ratio_3ds_vol.PET	0.18408117	0.593573459
## ratio_3ds_vol_norm.PET	0.25543585	0.535687230
## irregularity.PET	0.48707344	0.782426350
## tumor_length.PET	0.40269519	0.397266700
## Compactness_v1.PET	0.26908498	0.496392239
## Compactness_v2.PET	0.27667982	0.024008618
## Spherical_disproportion.PET	0.25543585	0.535687230
## Sphericity.PET	0.27884374	0.011121223
## Asphericity.PET	0.24188137	0.521104991
## Center_of_mass.PET	0.32530138	0.215826676
## Max_3D_diam.PET	0.43690728	0.176400671
## Major_axis_length.PET	0.49004806	0.207195680
## Minor_axis_length.PET	0.45250214	0.395729399
## Least_axis_length.PET	0.43740372	0.282052051

## Elongation.PET	0.37070436	0.706821101
## Flatness.PET	0.37718249	0.613100783
## Max_cooc.L.PET	0.14510503	0.513177788
## Average_cooc.L.PET	0.47944219	0.596854004
## Variance_cooc.L.PET	0.34434708	0.513789799
## Entropy_cooc.L.PET	0.58727844	0.698642310
## DAVE_cooc.L.PET	0.47792854	0.525573515
## DVAR_cooc.L.PET	0.47177002	0.428725844
## DENT_cooc.L.PET	0.57264624	0.704891102
## SAVE_cooc.L.PET	0.47946854	0.596533485
## SVAR_cooc.L.PET	0.29185885	0.574742212
## SENT_cooc.L.PET	0.52348073	0.758635818
## ASM_cooc.L.PET	0.14326084	0.475540154
## Contrast_cooc.L.PET	0.38134129	0.347726998
## Dissimilarity_cooc.L.PET	0.47792854	0.525573515
## Inv_diff_cooc.L.PET	0.41620438	0.699056696
## Inv_diff_norm_cooc.L.PET	0.54160349	0.758321587
## IDM_cooc.L.PET	0.34828394	0.652875733
## IDM_norm_cooc.L.PET	0.54714940	0.758279341
## Inv_var_cooc.L.PET	0.35525377	0.653484849
## Correlation_cooc.L.PET	0.18301479	0.655270021
## Autocorrelation_cooc.L.PET	0.31550440	0.488062352
## Tendency_cooc.L.PET	0.29185885	0.574742212
## Shade_cooc.L.PET	0.14262457	0.322746097
## Prominence_cooc.L.PET	0.14298910	0.472934099
## IC1_.L.PET	-0.05449026	-0.409229364
## IC2_.L.PET	0.41870637	0.773402861
## Coarseness_vdif_.L.PET	0.10097794	0.565290105
## Contrast_vdif_.L.PET	0.08606930	0.194575821
## Busyness_vdif_.L.PET	0.28314317	0.108702885
## Complexity_vdif_.L.PET	0.46969299	0.482364332
## Strength_vdif_.L.PET	-0.01309492	0.406985619
## SRE_align.L.PET	0.55549021	0.753980970
## LRE_align.L.PET	0.54237262	0.751530885
## GLNU_align.L.PET	0.24124672	0.081333250
## RLNU_align.L.PET	0.27521997	0.023688738
## RP_align.L.PET	0.55530541	0.753952398
## LGRE_align.L.PET	0.24780748	0.575137478
## HGRE_align.L.PET	0.35218941	0.484555026
## LGSRE_align.L.PET	0.25223564	0.577706907
## HGSRE_align.L.PET	0.35167640	0.483395890
## LGHRE_align.L.PET	0.22840335	0.562209925
## HGLRE_align.L.PET	0.35348609	0.487445586
## GLNU_norm_align.L.PET	0.25713148	0.653286526
## RLNU_norm_align.L.PET	0.55526596	0.752676342
## GLVAR_align.L.PET	0.36713729	0.523387920
## RLVAR_align.L.PET	0.27201877	0.587213393
## Entropy_align.L.PET	0.57947525	0.712972654
## SZSE.L.PET	0.55519545	0.732007163
## LZSE.L.PET	0.34144895	0.538941884
## LGLZE.L.PET	0.24994732	0.584857589
## HGLZE.L.PET	0.36314211	0.487480716
## SZLGE.L.PET	0.25926552	0.589900408
## SZHGE.L.PET	0.37020652	0.478216194

## LZLGE.L.PET	0.16817510	0.487479872
## LZHGE.L.PET	0.26294804	0.413968441
## GLNU_area.L.PET	0.24919625	0.076795194
## ZSNU.L.PET	0.28462631	0.017375300
## ZSP.L.PET	0.55601468	0.739085889
## GLNU_norm.L.PET	0.25728662	0.653146919
## ZSNU_norm.L.PET	0.55473833	0.741062825
## GLVAR_area.L.PET	0.38057898	0.527545480
## ZSVAR.L.PET	0.20029269	0.367376288
## Entropy_area.L.PET	0.58001785	0.711977358
## Max_cooc.H.PET	-0.38476408	0.776950859
## Average_cooc.H.PET	0.39629468	0.857489093
## Variance_cooc.H.PET	0.77637481	0.386140459
## Entropy_cooc.H.PET	0.73955823	0.401054043
## DAVE_cooc.H.PET	0.75614554	0.423186212
## DVAR_cooc.H.PET	0.69416446	0.468802416
## DENT_cooc.H.PET	0.59776666	0.408903936
## SAVE_cooc.H.PET	0.46920686	0.797145639
## SVAR_cooc.H.PET	0.64910200	0.483699372
## SENT_cooc.H.PET	0.68263315	0.302229611
## ASM_cooc.H.PET	-0.34827188	0.743285613
## Contrast_cooc.H.PET	0.76642632	0.312988251
## Dissimilarity_cooc.H.PET	0.75614554	0.423186212
## Inv_diff_cooc.H.PET	-0.15050015	0.982369823
## Inv_diff_norm_cooc.H.PET	0.50015356	0.799411576
## IDM_cooc.H.PET	-0.27483944	0.960173569
## IDM_norm_cooc.H.PET	0.52803317	0.775957881
## Inv_var_cooc_.H.PET	0.48091623	0.389187461
## Correlation_cooc.H.PET	0.25167503	0.602089497
## Autocorrelation_cooc.H.PET	0.24505084	0.920834625
## Tendency_cooc.H.PET	0.71235396	0.391081330
## Shade_cooc.H.PET	-0.39739411	-0.128686650
## Prominence_cooc.H.PET	0.72489285	0.119595396
## IC1_d.H.PET	0.20132143	-0.301504385
## IC2_d.H.PET	0.40514075	0.624521788
## Coarseness_vdif.H.PET	0.15311590	0.465897601
## Contrast_vdif.H.PET	-0.29586803	0.628051966
## Busyness_vdif.H.PET	0.07076308	0.019584615
## Complexity_vdif.H.PET	0.44109655	0.455531725
## Strength_vdif.H.PET	-0.11698486	0.197394062
## SRE_align.H.PET	0.70154144	0.593940612
## LRE_align.H.PET	-0.11652037	0.908515868
## RLNU_align.H.PET	0.35489788	-0.032108676
## RP_align.H.PET	0.73028284	0.557651241
## LGRE_align.H.PET	0.21127009	0.445294903
## HGRE_align.H.PET	0.26888555	0.913399047
## LGSRE_align.H.PET	0.20995776	0.443574773
## HGSRE_align.H.PET	0.47108179	0.785345480
## LGHRE_align.H.PET	0.21043840	0.461192271
## HGLRE_align.H.PET	-0.28740933	0.834762552
## GLNU_norm_align.H.PET	-0.30354109	0.911349920
## RLNU_norm_align.H.PET	0.81127788	0.431336125
## GLVAR_align.H.PET	0.77500843	0.344822021
## RLVAR_align.H.PET	-0.41852320	0.741495628

## Entropy_align.H.PET	0.78500517	0.457051916
## SZSE.H.PET	0.83638098	0.355423019
## LZSE.H.PET	-0.22971500	0.185948339
## LGLZE.H.PET	0.21526755	0.443060777
## HGLZE.H.PET	0.31016924	0.804336652
## SZLGE.H.PET	0.20962371	0.440539775
## SZHGE.H.PET	0.64604925	0.486280153
## LZLGE.H.PET	-0.26120016	0.296998617
## LZHGE.H.PET	-0.27515953	0.253278590
## GLNU_area.H.PET	0.24753201	0.065956533
## ZSNU.H.PET	0.43120084	-0.107174822
## ZSP.H.PET	0.93864220	0.057132060
## GLNU_norm.H.PET	-0.30065381	0.915117821
## ZSNU_norm.H.PET	0.92511998	0.140198163
## GLVAR_area.H.PET	0.77120922	0.322106716
## ZSVAR_H.PET	-0.26144891	0.223817366
## Entropy_area.H.PET	0.65046008	0.608182067
## Max_cooc.W.PET	-0.24693124	0.723348900
## Average_cooc.W.PET	0.93462989	-0.075343339
## Variance_cooc.W.PET	0.84763984	-0.270688657
## Entropy_cooc.W.PET	0.86887802	0.328000822
## DAVE_cooc.W.PET	1.00000000	-0.092031911
## DVAR_cooc.W.PET	0.91948562	-0.283671320
## DENT_cooc.W.PET	0.90067724	0.290210553
## SAVE_cooc.W.PET	0.93454768	-0.076306024
## SVAR_cooc.W.PET	0.78325830	-0.253170755
## SENT_cooc.W.PET	0.80977449	0.431056595
## ASM_cooc.W.PET	-0.14535052	0.684012959
## Contrast_cooc.W.PET	0.94033258	-0.292962056
## Dissimilarity_cooc.W.PET	1.00000000	-0.092031911
## Inv_diff_cooc.W.PET	-0.09203191	1.000000000
## Inv_diff_norm_cooc.W.PET	0.53546868	0.764093377
## IDM_cooc.W.PET	-0.25150912	0.982054757
## IDM_norm_cooc.W.PET	0.54565954	0.759410212
## Inv_var_cooc.W.PET	-0.18175063	0.989185176
## Correlation_cooc.W.PET	0.19678466	0.642215006
## Autocorrelation_cooc.W.PET	0.82057269	-0.268894232
## Tendency_cooc.W.PET	0.78325830	-0.253170755
## Shade_cooc.W.PET	0.38056134	-0.165587353
## Prominence_cooc.W.PET	0.36661722	-0.190890242
## IC1_d.W.PET	0.03720693	-0.208686004
## IC2_d.W.PET	0.53224601	0.625937499
## Coarseness_vdif.W.PET	0.05462490	0.560185282
## Contrast_vdif.W.PET	0.88292387	-0.066890271
## Busyness_vdif.W.PET	-0.38354871	0.575563471
## Complexity_vdif.W.PET	0.67227529	-0.236870270
## Strength_vdif.W.PET	0.51251257	-0.042231766
## SRE_align.W.PET	0.63024542	0.680378810
## LRE_align.W.PET	0.16204475	0.944378638
## GLNU_align.W.PET	0.04080731	0.229951160
## RLNU_align.W.PET	0.31690920	-0.005273504
## RP_align.W.PET	0.65137311	0.657118670
## LGRE_align.W.PET	-0.26593395	0.847644585
## HGRE_align.W.PET	0.82807593	-0.272013843

## LGSRE_align.W.PET	-0.22649186	0.850184207
## HGSRE_align.W.PET	0.83061561	-0.277745610
## LGHRE_align.W.PET	-0.37836530	0.775538544
## HGLRE_align.W.PET	0.81365167	-0.245882755
## GLNU_norm_align.W.PET	-0.26208933	0.891745707
## RLNU_norm_align.W.PET	0.71421867	0.581027457
## GLVAR_align.W.PET	0.84366077	-0.271975791
## RLVAR_align.W.PET	-0.37845267	0.809708669
## Entropy_align.W.PET	0.79907882	0.443668950
## SZSE.W.PET	0.72705456	0.545958173
## LZSE.W.PET	-0.37414396	0.550980363
## LGLZE.W.PET	-0.26245398	0.873799460
## HGLZE.W.PET	0.83437383	-0.271485880
## SZLGE.W.PET	-0.14032951	0.855113645
## SZHGE.W.PET	0.83895261	-0.284751918
## LZLGE.W.PET	-0.32171461	0.356211076
## LZHGE.W.PET	0.54925026	-0.024192756
## GLNU_area.W.PET	0.13557768	0.161115041
## ZSNU.W.PET	0.37543268	-0.055411211
## ZSP.W.PET	0.83279224	0.367639720
## GLNU_norm.W.PET	-0.26086008	0.912162616
## ZSNU_norm.W.PET	0.84607295	0.361660509
## GLVAR_area.W.PET	0.84335012	-0.267016110
## ZSVAR.W.PET	-0.38003405	0.453651187
## Entropy_area.W.PET	0.71072573	0.556666157
## Min_hist.ADC	0.13223588	0.334824610
## Max_hist.ADC	0.47273462	0.666493263
## Mean_hist.ADC	0.43281845	0.684715315
## Variance_hist.ADC	0.17658101	0.405313136
## Standard_Deviation_hist.ADC	0.35433948	0.587868370
## Skewness_hist.ADC	0.16834360	0.167827714
## Kurtosis_hist.ADC	0.21639861	0.148934966
## Energy_hist.ADC	0.14613860	0.491567801
## Entropy_hist.ADC	0.56122727	0.678492319
## AUC_hist.ADC	0.56263333	0.720432262
## Volume.ADC	0.29447651	0.111304662
## X3D_surface.ADC	0.29157321	0.241113100
## ratio_3ds_vol.ADC	0.27212073	0.600508010
## ratio_3ds_vol_norm.ADC	0.52835738	0.684156138
## irregularity.ADC	0.53237028	0.736557351
## Compactness_v1.ADC	0.30376740	0.639963601
##	Inv_diff_norm_cooc.W.PET	IDM_cooc.W.PET
## Failure	-0.012568360	0.07399159
## Entropy_cooc.W.ADC	0.052527433	0.04014623
## GLNU_align.H.PET	-0.010020562	0.01901015
## Min_hist.PET	0.520318552	-0.21422898
## Max_hist.PET	0.565616293	-0.19038690
## Mean_hist.PET	0.526806951	-0.23544399
## Variance_hist.PET	0.272221740	-0.38017825
## Standard_Deviation_hist.PET	0.543015204	-0.22981144
## Skewness_hist.PET	0.562125163	0.45908147
## Kurtosis_hist.PET	0.201574123	0.21155142
## Energy_hist.PET	0.438816940	0.46332959
## Entropy_hist.PET	0.892808744	0.46135577

## AUC_hist.PET	0.993168484	0.63782607
## H_suv.PET	0.545602962	-0.20459831
## Volume.PET	0.368116555	0.04057580
## X3D_surface.PET	0.267274483	0.04865190
## ratio_3ds_vol.PET	0.547082087	0.55179700
## ratio_3ds_vol_norm.PET	0.606022264	0.47774147
## irregularity.PET	0.953144014	0.66455194
## tumor_length.PET	0.649869530	0.30463591
## Compactness_v1.PET	0.560899319	0.43847290
## Compactness_v2.PET	0.240486130	-0.03695782
## Spherical_disproportion.PET	0.606022264	0.47774147
## Sphericity.PET	0.235632423	-0.05249169
## Asphericity.PET	0.584679059	0.46649824
## Center_of_mass.PET	0.413547466	0.15862070
## Max_3D_diam.PET	0.508246139	0.08134851
## Major_axis_length.PET	0.550765443	0.10808258
## Minor_axis_length.PET	0.709128359	0.28391846
## Least_axis_length.PET	0.607160465	0.17713132
## Elongation.PET	0.848568521	0.59712877
## Flatness.PET	0.790250555	0.50201890
## Max_cooc.L.PET	0.477199747	0.48225944
## Average_cooc.L.PET	0.765478335	0.48852746
## Variance_cooc.L.PET	0.573798591	0.43517564
## Entropy_cooc.L.PET	0.969558039	0.56023115
## DAVE_cooc.L.PET	0.687942237	0.41603981
## DVAR_cooc.L.PET	0.609468119	0.32402545
## DENT_cooc.L.PET	0.941184606	0.57083829
## SAVE_cooc.L.PET	0.765264253	0.48819801
## SVAR_cooc.L.PET	0.595972115	0.50706636
## SENT_cooc.L.PET	0.960267319	0.63370390
## ASM_cooc.L.PET	0.447298191	0.44483760
## Contrast_cooc.L.PET	0.461260000	0.26232542
## Dissimilarity_cooc.L.PET	0.687942237	0.41603981
## Inv_diff_cooc.L.PET	0.898955687	0.59418301
## Inv_diff_norm_cooc.L.PET	0.999927227	0.62689490
## IDM_cooc.L.PET	0.818517181	0.56351410
## IDM_norm_cooc.L.PET	0.999007982	0.62593845
## Inv_var_cooc.L.PET	0.823043075	0.56360625
## Correlation_cooc.L.PET	0.712395382	0.59891169
## Autocorrelation_cooc.L.PET	0.550293141	0.41762375
## Tendency_cooc.L.PET	0.595972115	0.50706636
## Shade_cooc.L.PET	0.311982884	0.30272952
## Prominence_cooc.L.PET	0.404270723	0.44058958
## IC1_.L.PET	-0.308827450	-0.39369297
## IC2_.L.PET	0.874909604	0.67475231
## Coarseness_vdif_.L.PET	0.461806662	0.54405173
## Contrast_vdif_.L.PET	0.171535975	0.16208829
## Busyness_vdif_.L.PET	0.365171480	0.03626381
## Complexity_vdif_.L.PET	0.651263166	0.37381966
## Strength_vdif_.L.PET	0.254936659	0.40541310
## SRE_align.L.PET	0.991681716	0.62064861
## LRE_align.L.PET	0.996892804	0.61878622
## GLNU_align.L.PET	0.320473655	0.01930090
## RLNU_align.L.PET	0.283580685	-0.04086866

## RP_align.L.PET	0.990655433	0.62068799
## LGRE_align.L.PET	0.646826864	0.50564682
## HGRE_align.L.PET	0.568531575	0.40801721
## LGSRE_align.L.PET	0.650353582	0.50739701
## HGSRE_align.L.PET	0.566077480	0.40711836
## LGHRE_align.L.PET	0.629603376	0.49640234
## HGLRE_align.L.PET	0.576855295	0.40998146
## GLNU_norm_align.L.PET	0.693992525	0.58880434
## RLNU_norm_align.L.PET	0.986349039	0.61968680
## GLVAR_align.L.PET	0.603603652	0.43872509
## RLVAR_align.L.PET	0.689426820	0.51903950
## Entropy_align.L.PET	0.975577523	0.57633374
## SZSE.L.PET	0.965489985	0.60179748
## LZSE.L.PET	0.717179663	0.44429847
## LGLZE.L.PET	0.657879435	0.51355277
## HGLZE.L.PET	0.577513134	0.40886793
## SZLGE.L.PET	0.662566579	0.51736765
## SZHGE.L.PET	0.570510449	0.39983928
## LZLGE.L.PET	0.544838210	0.43390818
## LZHGE.L.PET	0.484404680	0.34912766
## GLNU_area.L.PET	0.320088317	0.01382756
## ZSNU.L.PET	0.281549324	-0.04826129
## ZSP.L.PET	0.968631441	0.60850294
## GLNU_norm.L.PET	0.694280293	0.58850643
## ZSNU_norm.L.PET	0.966705996	0.60998406
## GLVAR_area.L.PET	0.614964769	0.44104349
## ZSVAR.L.PET	0.509667370	0.30550026
## Entropy_area.L.PET	0.980656051	0.57462724
## Max_cooc.H.PET	0.314304303	0.85184309
## Average_cooc.H.PET	0.965710353	0.75127326
## Variance_cooc.H.PET	0.852729722	0.22086829
## Entropy_cooc.H.PET	0.827311754	0.24467593
## DAVE_cooc.H.PET	0.849570306	0.25711549
## DVAR_cooc.H.PET	0.826766832	0.32337600
## DENT_cooc.H.PET	0.777713478	0.26739404
## SAVE_cooc.H.PET	0.974329984	0.67693806
## SVAR_cooc.H.PET	0.859333420	0.34244677
## SENT_cooc.H.PET	0.686689051	0.16837685
## ASM_cooc.H.PET	0.301437338	0.81709725
## Contrast_cooc.H.PET	0.746618094	0.15512722
## Dissimilarity_cooc.H.PET	0.849570306	0.25711549
## Inv_diff_cooc.H.PET	0.690790066	0.98865134
## Inv_diff_norm_cooc.H.PET	0.995365731	0.67619263
## IDM_cooc.H.PET	0.587166341	0.99136060
## IDM_norm_cooc.H.PET	0.996333907	0.64686237
## Inv_var_cooc_.H.PET	0.610784456	0.30227628
## Correlation_cooc.H.PET	0.718638171	0.53230227
## Autocorrelation_cooc.H.PET	0.910376688	0.84351499
## Tendency_cooc.H.PET	0.833786811	0.23657827
## Shade_cooc.H.PET	-0.422459717	-0.02919320
## Prominence_cooc.H.PET	0.625114104	-0.02699293
## IC1_d.H.PET	-0.157924595	-0.33446072
## IC2_d.H.PET	0.822225700	0.52828916
## Coarseness_vdif.H.PET	0.435218612	0.43629638

## Contrast_vdif.H.PET	0.266205905	0.67250119
## Busyness_vdif.H.PET	0.139935342	-0.01772516
## Complexity_vdif.H.PET	0.629127825	0.35810506
## Strength_vdif.H.PET	0.017229836	0.23732748
## SRE_align.H.PET	0.961788796	0.43532780
## LRE_align.H.PET	0.656818559	0.91255265
## RLNU_align.H.PET	0.277979577	-0.10556064
## RP_align.H.PET	0.947498613	0.39566125
## LGRE_align.H.PET	0.464147237	0.40515843
## HGRE_align.H.PET	0.915870908	0.83503023
## LGSRE_align.H.PET	0.461520737	0.40379101
## HGSRE_align.H.PET	0.952765724	0.66697507
## LGHRE_align.H.PET	0.478708389	0.42050781
## HGLRE_align.H.PET	0.456379073	0.88545471
## GLNU_norm_align.H.PET	0.509113225	0.94673836
## RLNU_norm_align.H.PET	0.893184906	0.25940758
## GLVAR_align.H.PET	0.824162370	0.18052102
## RLVAR_align.H.PET	0.314687389	0.81499608
## Entropy_align.H.PET	0.910707213	0.29714438
## SZSE.H.PET	0.847418727	0.18684013
## LZSE.H.PET	-0.044310866	0.25377320
## LGLZE.H.PET	0.464982264	0.40238310
## HGLZE.H.PET	0.873913601	0.71718309
## SZLGE.H.PET	0.458177477	0.40122709
## SZHGE.H.PET	0.821484511	0.34993616
## LZLGE.H.PET	0.024535542	0.36933073
## LZHGE.H.PET	-0.034737000	0.33442598
## GLNU_area.H.PET	0.318523517	-0.00487714
## ZSNU.H.PET	0.239190764	-0.18214106
## ZSP.H.PET	0.652765926	-0.11595983
## GLNU_norm.H.PET	0.518746526	0.94667682
## ZSNU_norm.H.PET	0.712428627	-0.03021594
## GLVAR_area.H.PET	0.804634887	0.15905769
## ZSVAR.H.PET	-0.040215190	0.29972270
## Entropy_area.H.PET	0.960399215	0.46040785
## Max_cooc.W.PET	0.351704603	0.77663664
## Average_cooc.W.PET	0.531290597	-0.22575153
## Variance_cooc.W.PET	0.268850700	-0.37747005
## Entropy_cooc.W.PET	0.856763663	0.15342558
## DAVE_cooc.W.PET	0.535468676	-0.25150912
## DVAR_cooc.W.PET	0.288558157	-0.40012041
## DENT_cooc.W.PET	0.832095360	0.11370605
## SAVE_cooc.W.PET	0.530521856	-0.22668729
## SVAR_cooc.W.PET	0.250997504	-0.35099681
## SENT_cooc.W.PET	0.896861647	0.26564558
## ASM_cooc.W.PET	0.389798574	0.71842406
## Contrast_cooc.W.PET	0.291041434	-0.41361801
## Dissimilarity_cooc.W.PET	0.535468676	-0.25150912
## Inv_diff_cooc.W.PET	0.764093377	0.98205476
## Inv_diff_norm_cooc.W.PET	1.000000000	0.63372781
## IDM_cooc.W.PET	0.633727815	1.00000000
## IDM_norm_cooc.W.PET	0.998972296	0.62718238
## Inv_var_cooc.W.PET	0.702739592	0.98554584
## Correlation_cooc.W.PET	0.712238625	0.58335589

## Autocorrelation_cooc.W.PET	0.272510093	-0.37656636
## Tendency_cooc.W.PET	0.250997504	-0.35099681
## Shade_cooc.W.PET	0.064266094	-0.19801547
## Prominence_cooc.W.PET	0.031959725	-0.21865170
## IC1_d.W.PET	-0.162749418	-0.22362114
## IC2_d.W.PET	0.872280683	0.51627710
## Coarseness_vdif.W.PET	0.423825505	0.54579328
## Contrast_vdif.W.PET	0.433776362	-0.20148026
## Busyness_vdif.W.PET	0.242857905	0.61981069
## Complexity_vdif.W.PET	0.197193751	-0.31321905
## Strength_vdif.W.PET	0.245689930	-0.10965886
## SRE_align.W.PET	0.985124401	0.53359472
## LRE_align.W.PET	0.877963497	0.88928377
## GLNU_align.W.PET	0.325468895	0.19194597
## RLNU_align.W.PET	0.281794147	-0.07475096
## RP_align.W.PET	0.979558476	0.50688990
## LGRE_align.W.PET	0.490421894	0.87234818
## HGRE_align.W.PET	0.274827441	-0.38093435
## LGSRE_align.W.PET	0.524071089	0.86343181
## HGSRE_align.W.PET	0.269840536	-0.38630839
## LGHRE_align.W.PET	0.337095975	0.83948616
## HGLRE_align.W.PET	0.295022924	-0.35557508
## GLNU_norm_align.W.PET	0.510595762	0.92416089
## RLNU_norm_align.W.PET	0.958090143	0.42123170
## GLVAR_align.W.PET	0.272463631	-0.37970527
## RLVAR_align.W.PET	0.387552990	0.87543998
## Entropy_align.W.PET	0.909525837	0.27950318
## SZSE.W.PET	0.932418630	0.38884857
## LZSE.W.PET	0.144309609	0.63826700
## LGLZE.W.PET	0.516515795	0.89688969
## HGLZE.W.PET	0.278449973	-0.38114631
## SZLGE.W.PET	0.588187956	0.85213630
## SZHGE.W.PET	0.264537216	-0.39265957
## LZLGE.W.PET	0.009571737	0.44217364
## LZHGE.W.PET	0.330180747	-0.10216631
## GLNU_area.W.PET	0.330511620	0.10691990
## ZSNU.W.PET	0.263871950	-0.12873256
## ZSP.W.PET	0.858074715	0.19469637
## GLNU_norm.W.PET	0.529733857	0.94323513
## ZSNU_norm.W.PET	0.854158369	0.19053506
## GLVAR_area.W.PET	0.277255842	-0.37493897
## ZSVAR.W.PET	0.055918739	0.54820351
## Entropy_area.W.PET	0.950161687	0.40259792
## Min_hist.ADC	0.317387290	0.31170850
## Max_hist.ADC	0.890496394	0.54769407
## Mean_hist.ADC	0.862787077	0.57291659
## Variance_hist.ADC	0.470122157	0.35803730
## Standard_Deviation_hist.ADC	0.738235120	0.49807540
## Skewness_hist.ADC	0.239031884	0.14053268
## Kurtosis_hist.ADC	0.279972672	0.10255297
## Energy_hist.ADC	0.456021005	0.46086744
## Entropy_hist.ADC	0.957017092	0.54297230
## AUC_hist.ADC	0.973443927	0.58675356
## Volume.ADC	0.352141176	0.04227121

## X3D_surface.ADC	0.453473902	0.16459110
## ratio_3ds_vol.ADC	0.628935140	0.53602104
## ratio_3ds_vol_norm.ADC	0.942274621	0.55175593
## irregularity.ADC	0.946526870	0.61158665
## Compactness_v1.ADC	0.689159216	0.57190641
##	IDM_norm_cooc.W.PET	Inv_var_cooc.W.PET
## Failure	-0.006835824	0.066296622
## Entropy_cooc.W.ADC	0.042283314	0.054757201
## GLNU_align.H.PET	-0.024062057	0.013643557
## Min_hist.PET	0.527460526	-0.146175729
## Max_hist.PET	0.559576284	-0.119380754
## Mean_hist.PET	0.531733573	-0.165853137
## Variance_hist.PET	0.270530485	-0.339563192
## Standard_Deviation_hist.PET	0.544121494	-0.159911546
## Skewness_hist.PET	0.548208596	0.475985342
## Kurtosis_hist.PET	0.176463988	0.212256754
## Energy_hist.PET	0.439908754	0.492905600
## Entropy_hist.PET	0.886137359	0.535516401
## AUC_hist.PET	0.995111054	0.707209319
## H_suv.PET	0.555907727	-0.132060773
## Volume.PET	0.353694835	0.078136498
## X3D_surface.PET	0.249159179	0.080351447
## ratio_3ds_vol.PET	0.555607034	0.566035996
## ratio_3ds_vol_norm.PET	0.595687978	0.513579578
## irregularity.PET	0.959764906	0.722982762
## tumor_length.PET	0.631548242	0.357470156
## Compactness_v1.PET	0.557508418	0.484204624
## Compactness_v2.PET	0.239176725	-0.011473346
## Spherical_disproportion.PET	0.595687978	0.513579578
## Sphericity.PET	0.236425720	-0.027501008
## Asphericity.PET	0.574037320	0.500711042
## Center_of_mass.PET	0.396105220	0.191286592
## Max_3D_diam.PET	0.491395983	0.128889580
## Major_axis_length.PET	0.534786366	0.158067746
## Minor_axis_length.PET	0.690472245	0.350727262
## Least_axis_length.PET	0.589177120	0.240874225
## Elongation.PET	0.852890158	0.666504811
## Flatness.PET	0.793050871	0.575248359
## Max_cooc.L.PET	0.472944445	0.509900178
## Average_cooc.L.PET	0.788273042	0.550090221
## Variance_cooc.L.PET	0.605603206	0.473125929
## Entropy_cooc.L.PET	0.976935541	0.633122328
## DAVE_cooc.L.PET	0.718262496	0.469050339
## DVAR_cooc.L.PET	0.633864660	0.373951978
## DENT_cooc.L.PET	0.955273165	0.637960746
## SAVE_cooc.L.PET	0.788071974	0.549746147
## SVAR_cooc.L.PET	0.623102306	0.540925937
## SENT_cooc.L.PET	0.968490891	0.700608038
## ASM_cooc.L.PET	0.443712829	0.477687072
## Contrast_cooc.L.PET	0.496210858	0.301657136
## Dissimilarity_cooc.L.PET	0.718262496	0.469050339
## Inv_diff_cooc.L.PET	0.879454401	0.654654145
## Inv_diff_norm_cooc.L.PET	0.998833943	0.696776883
## IDM_cooc.L.PET	0.794464141	0.617431589

## IDM_norm_cooc.L.PET	0.999980143	0.695945100
## Inv_var_cooc.L.PET	0.799107859	0.619710534
## Correlation_cooc.L.PET	0.691821486	0.638510158
## Autocorrelation_cooc.L.PET	0.576901492	0.464273282
## Tendency_cooc.L.PET	0.623102306	0.540925937
## Shade_cooc.L.PET	0.316852263	0.290251129
## Prominence_cooc.L.PET	0.429605064	0.452842802
## IC1_.L.PET	-0.327354740	-0.387770626
## IC2_.L.PET	0.885658684	0.724611225
## Coarseness_vdif_.L.PET	0.468098431	0.566753791
## Contrast_vdif_.L.PET	0.192862990	0.180355631
## Busyness_vdif_.L.PET	0.344795972	0.080824180
## Complexity_vdif_.L.PET	0.677949931	0.424269242
## Strength_vdif_.L.PET	0.268856793	0.385950835
## SRE_align.L.PET	0.996306494	0.690910433
## LRE_align.L.PET	0.995799796	0.687793778
## GLNU_align.L.PET	0.294895605	0.059358102
## RLNU_align.L.PET	0.264280742	-0.002065128
## RP_align.L.PET	0.995642569	0.690696308
## LGRE_align.L.PET	0.636838645	0.535651757
## HGRE_align.L.PET	0.596032833	0.455697559
## LGSRE_align.L.PET	0.641007642	0.538537426
## HGSRE_align.L.PET	0.593909575	0.454737600
## LGHRE_align.L.PET	0.616998741	0.521980261
## HGLRE_align.L.PET	0.602893708	0.457656604
## GLNU_norm_align.L.PET	0.685669270	0.631274215
## RLNU_norm_align.L.PET	0.992577239	0.688991346
## GLVAR_align.L.PET	0.635007111	0.483592095
## RLVAR_align.L.PET	0.668658602	0.569961074
## Entropy_align.L.PET	0.982091538	0.649008203
## SZSE.L.PET	0.971937553	0.674235256
## LZSE.L.PET	0.706569062	0.482064717
## LGLZE.L.PET	0.648207864	0.547494372
## HGLZE.L.PET	0.605215400	0.456962133
## SZLGE.L.PET	0.655078268	0.555907722
## SZHGE.L.PET	0.598907629	0.449955979
## LZLGE.L.PET	0.525808184	0.444697600
## LZHGE.L.PET	0.502472474	0.379726093
## GLNU_area.L.PET	0.295557068	0.055215497
## ZSNU.L.PET	0.263866073	-0.008005488
## ZSP.L.PET	0.976547338	0.678842367
## GLNU_norm.L.PET	0.686031792	0.631895623
## ZSNU_norm.L.PET	0.976165640	0.676373842
## GLVAR_area.L.PET	0.646139139	0.486314848
## ZSVAR.L.PET	0.482226640	0.340441591
## Entropy_area.L.PET	0.985192043	0.648303511
## Max_cooc.H.PET	0.309583694	0.772336947
## Average_cooc.H.PET	0.969962511	0.800436681
## Variance_cooc.H.PET	0.858117832	0.321147189
## Entropy_cooc.H.PET	0.832776849	0.323527069
## DAVE_cooc.H.PET	0.864583314	0.354192865
## DVAR_cooc.H.PET	0.841439433	0.408449419
## DENT_cooc.H.PET	0.779005069	0.346748197
## SAVE_cooc.H.PET	0.978354197	0.741243486

## SVAR_cooc.H.PET	0.856730884	0.429650961
## SENT_cooc.H.PET	0.691020576	0.246452902
## ASM_cooc.H.PET	0.296012566	0.730330575
## Contrast_cooc.H.PET	0.765130010	0.244325640
## Dissimilarity_cooc.H.PET	0.864583314	0.354192865
## Inv_diff_cooc.H.PET	0.683017631	0.971506477
## Inv_diff_norm_cooc.H.PET	0.996712613	0.738856397
## IDM_cooc.H.PET	0.578747381	0.960953085
## IDM_norm_cooc.H.PET	0.998558278	0.714055196
## Inv_var_cooc_.H.PET	0.603765308	0.358184759
## Correlation_cooc.H.PET	0.698728253	0.580576531
## Autocorrelation_cooc.H.PET	0.913216910	0.871110579
## Tendency_cooc.H.PET	0.831604701	0.333877149
## Shade_cooc.H.PET	-0.423312732	-0.105124695
## Prominence_cooc.H.PET	0.620349538	0.062709976
## IC1_d.H.PET	-0.138807770	-0.312998827
## IC2_d.H.PET	0.807017385	0.589710988
## Coarseness_vdif.H.PET	0.433836367	0.461554551
## Contrast_vdif.H.PET	0.276067154	0.662374860
## Busyness_vdif.H.PET	0.134120834	0.005620186
## Complexity_vdif.H.PET	0.643236111	0.423431157
## Strength_vdif.H.PET	0.016681562	0.123776798
## SRE_align.H.PET	0.968450212	0.521483395
## LRE_align.H.PET	0.649234017	0.891639514
## RLNU_align.H.PET	0.260910708	-0.064995764
## RP_align.H.PET	0.955206959	0.482726428
## LGRE_align.H.PET	0.461238200	0.442384551
## HGRE_align.H.PET	0.918245040	0.859195820
## LGSRE_align.H.PET	0.458685840	0.440790748
## HGSRE_align.H.PET	0.958869678	0.718794233
## LGHRE_align.H.PET	0.475179118	0.458081137
## HGLRE_align.H.PET	0.448008654	0.821344616
## GLNU_norm_align.H.PET	0.508853896	0.908619499
## RLNU_norm_align.H.PET	0.902778669	0.350836633
## GLVAR_align.H.PET	0.827845733	0.279965520
## RLVAR_align.H.PET	0.301024368	0.758109691
## Entropy_align.H.PET	0.909867487	0.380138066
## SZSE.H.PET	0.853471098	0.275213828
## LZSE.H.PET	-0.051863058	0.176383178
## LGLZE.H.PET	0.462040435	0.439835718
## HGLZE.H.PET	0.872446855	0.738252174
## SZLGE.H.PET	0.455361847	0.437771927
## SZHGE.H.PET	0.826133248	0.404996264
## LZLGE.H.PET	0.014765972	0.302875065
## LZHGE.H.PET	-0.042779588	0.236933373
## GLNU_area.H.PET	0.299783063	0.043319410
## ZSNU.H.PET	0.226019892	-0.145541428
## ZSP.H.PET	0.663791688	-0.029520424
## GLNU_norm.H.PET	0.520649623	0.929764768
## ZSNU_norm.H.PET	0.720219772	0.049934213
## GLVAR_area.H.PET	0.807768897	0.256186422
## ZSVAR_H.PET	-0.048269688	0.218788902
## Entropy_area.H.PET	0.958051060	0.541139064
## Max_cooc.W.PET	0.347155587	0.702400543

## Average_cooc.W.PET	0.533328980	-0.157136124
## Variance_cooc.W.PET	0.268253004	-0.337626914
## Entropy_cooc.W.PET	0.860645826	0.245447382
## DAVE_cooc.W.PET	0.545659536	-0.181750634
## DVAR_cooc.W.PET	0.293721456	-0.359206535
## DENT_cooc.W.PET	0.839366264	0.202775515
## SAVE_cooc.W.PET	0.532566661	-0.158123731
## SVAR_cooc.W.PET	0.247069548	-0.313351753
## SENT_cooc.W.PET	0.899501595	0.355554066
## ASM_cooc.W.PET	0.384872224	0.669048939
## Contrast_cooc.W.PET	0.299220537	-0.371619072
## Dissimilarity_cooc.W.PET	0.545659536	-0.181750634
## Inv_diff_cooc.W.PET	0.759410212	0.989185176
## Inv_diff_norm_cooc.W.PET	0.998972296	0.702739592
## IDM_cooc.W.PET	0.627182384	0.985545839
## IDM_norm_cooc.W.PET	1.000000000	0.697170475
## Inv_var_cooc.W.PET	0.697170475	1.000000000
## Correlation_cooc.W.PET	0.691572473	0.625163719
## Autocorrelation_cooc.W.PET	0.270332668	-0.335842468
## Tendency_cooc.W.PET	0.247069548	-0.313351753
## Shade_cooc.W.PET	0.055685691	-0.185479770
## Prominence_cooc.W.PET	0.023713948	-0.209806583
## IC1_d.W.PET	-0.149184591	-0.202673376
## IC2_d.W.PET	0.863525907	0.576940544
## Coarseness_vdif.W.PET	0.432435513	0.562024235
## Contrast_vdif.W.PET	0.456921454	-0.145349204
## Busyness_vdif.W.PET	0.239268763	0.593526918
## Complexity_vdif.W.PET	0.186812712	-0.285810573
## Strength_vdif.W.PET	0.247626398	-0.084643007
## SRE_align.W.PET	0.990166676	0.612954112
## LRE_align.W.PET	0.874029691	0.903671985
## GLNU_align.W.PET	0.300730843	0.222212646
## RLNU_align.W.PET	0.263315852	-0.034492731
## RP_align.W.PET	0.985193121	0.588254848
## LGRE_align.W.PET	0.490573551	0.837800873
## HGRE_align.W.PET	0.272718089	-0.339943139
## LGSRE_align.W.PET	0.525426911	0.841360464
## HGSRE_align.W.PET	0.267987484	-0.345791281
## LGHRE_align.W.PET	0.332665596	0.759448692
## HGLRE_align.W.PET	0.291696392	-0.313130141
## GLNU_norm_align.W.PET	0.509909948	0.882577587
## RLNU_norm_align.W.PET	0.964946958	0.507926744
## GLVAR_align.W.PET	0.270568457	-0.339094928
## RLVAR_align.W.PET	0.374696402	0.818954042
## Entropy_align.W.PET	0.910101012	0.365630910
## SZSE.W.PET	0.938612499	0.475163212
## LZSE.W.PET	0.136290099	0.540886837
## LGLZE.W.PET	0.516620864	0.871460445
## HGLZE.W.PET	0.276185188	-0.340146300
## SZLGE.W.PET	0.589835634	0.851243778
## SZHGE.W.PET	0.262890350	-0.352791418
## LZLGE.W.PET	0.002551191	0.320768253
## LZHGE.W.PET	0.321508854	-0.078038292
## GLNU_area.W.PET	0.308151072	0.148770592

## ZSNU.W.PET	0.248024402	-0.088749939
## ZSP.W.PET	0.866298716	0.289606171
## GLNU_norm.W.PET	0.529858518	0.916246321
## ZSNU_norm.W.PET	0.862035479	0.276865995
## GLVAR_area.W.PET	0.274895622	-0.334287413
## ZSVAR.W.PET	0.047833648	0.447149624
## Entropy_area.W.PET	0.949157588	0.484245977
## Min_hist.ADC	0.326028471	0.321012781
## Max_hist.ADC	0.886747883	0.613350183
## Mean_hist.ADC	0.865212836	0.635941401
## Variance_hist.ADC	0.460514103	0.389080160
## Standard_Deviation_hist.ADC	0.732716488	0.550643996
## Skewness_hist.ADC	0.236932870	0.148181432
## Kurtosis_hist.ADC	0.277587457	0.129309994
## Energy_hist.ADC	0.454630359	0.493012042
## Entropy_hist.ADC	0.955887774	0.615594014
## AUC_hist.ADC	0.976299922	0.657514144
## Volume.ADC	0.338859061	0.074029932
## X3D_surface.ADC	0.442766352	0.207593259
## ratio_3ds_vol.ADC	0.639805789	0.572920442
## ratio_3ds_vol_norm.ADC	0.942137362	0.625864758
## irregularity.ADC	0.953781818	0.676129369
## Compactness_v1.ADC	0.690234502	0.618092643
##	Correlation_cooc.W.PET	Autocorrelation_cooc.W.PET
## Failure	-0.08397562	-0.1130997366
## Entropy_cooc.W.ADC	0.19412366	0.0700397262
## GLNU_align.H.PET	0.16542434	0.0067368345
## Min_hist.PET	0.25366527	0.7966592340
## Max_hist.PET	0.40504898	0.8781721387
## Mean_hist.PET	0.28958793	0.8764676469
## Variance_hist.PET	0.22517921	0.9509764693
## Standard_Deviation_hist.PET	0.36530587	0.9007493062
## Skewness_hist.PET	0.40832841	-0.0993141144
## Kurtosis_hist.PET	0.15147906	-0.1191031736
## Energy_hist.PET	0.22772943	-0.0410455948
## Entropy_hist.PET	0.69866425	0.3799746004
## AUC_hist.PET	0.66722299	0.2408204650
## H_suv.PET	0.19980028	0.7946576216
## Volume.PET	0.36590866	0.3818456392
## X3D_surface.PET	0.45463607	0.2848516161
## ratio_3ds_vol.PET	0.25299238	-0.0974610420
## ratio_3ds_vol_norm.PET	0.59640598	0.1316660773
## irregularity.PET	0.58124055	0.1726709448
## tumor_length.PET	0.72128858	0.3895522174
## Compactness_v1.PET	0.35844280	0.1276238103
## Compactness_v2.PET	0.13828738	0.3033439851
## Spherical_disproportion.PET	0.59640598	0.1316660773
## Sphericity.PET	0.10914006	0.2754848791
## Asphericity.PET	0.58579287	0.1253488958
## Center_of_mass.PET	0.62691439	0.3840462239
## Max_3D_diam.PET	0.54895556	0.5133947731
## Major_axis_length.PET	0.57554940	0.5794730842
## Minor_axis_length.PET	0.72339244	0.4092982653
## Least_axis_length.PET	0.68818648	0.4530894230

## Elongation.PET	0.53699962	0.0314992425
## Flatness.PET	0.57530143	0.1011733409
## Max_cooc.L.PET	0.31288130	-0.0046007576
## Average_cooc.L.PET	0.39564187	0.2402942256
## Variance_cooc.L.PET	0.17132128	-0.0010862249
## Entropy_cooc.L.PET	0.64523547	0.3031007781
## DAVE_cooc.L.PET	0.12911450	0.0797547345
## DVAR_cooc.L.PET	0.03787633	0.0702672995
## DENT_cooc.L.PET	0.51204446	0.2271966453
## SAVE_cooc.L.PET	0.39545173	0.2403908043
## SVAR_cooc.L.PET	0.34919135	0.0045414050
## SENT_cooc.L.PET	0.63771831	0.2204944802
## ASM_cooc.L.PET	0.29669520	0.0012519254
## Contrast_cooc.L.PET	-0.13430284	-0.0098784583
## Dissimilarity_cooc.L.PET	0.12911450	0.0797547345
## Inv_diff_cooc.L.PET	0.80049707	0.2795146156
## Inv_diff_norm_cooc.L.PET	0.71291855	0.2786768378
## IDM_cooc.L.PET	0.77029526	0.2496987029
## IDM_norm_cooc.L.PET	0.69293990	0.2721703179
## Inv_var_cooc.L.PET	0.77794248	0.2580979141
## Correlation_cooc.L.PET	0.99961365	0.2114513131
## Autocorrelation_cooc.L.PET	0.27244142	0.1496658926
## Tendency_cooc.L.PET	0.34919135	0.0045414050
## Shade_cooc.L.PET	0.33189473	-0.0816660276
## Prominence_cooc.L.PET	0.25457263	-0.1207244789
## IC1_.L.PET	-0.12146676	0.1220225902
## IC2_.L.PET	0.56924302	0.1141106356
## Coarseness_vdif_.L.PET	0.22863428	-0.0922935877
## Contrast_vdif_.L.PET	-0.27129489	-0.1295991398
## Busyness_vdif_.L.PET	0.45583176	0.3146362857
## Complexity_vdif_.L.PET	0.04148835	0.0512701182
## Strength_vdif_.L.PET	-0.04612586	-0.2415634642
## SRE_align.L.PET	0.64437415	0.2562501821
## LRE_align.L.PET	0.70619206	0.2788234670
## GLNU_align.L.PET	0.48713442	0.3485096899
## RLNU_align.L.PET	0.44977896	0.4088970719
## RP_align.L.PET	0.64010754	0.2538298566
## LGRE_align.L.PET	0.43108403	-0.0268929717
## HGRE_align.L.PET	0.22570305	0.1587588552
## LGSRE_align.L.PET	0.42855783	-0.0259377828
## HGSRE_align.L.PET	0.21771007	0.1536686936
## LGHRE_align.L.PET	0.43965702	-0.0300261601
## HGLRE_align.L.PET	0.25766975	0.1792921396
## GLNU_norm_align.L.PET	0.45839157	0.0339264585
## RLNU_norm_align.L.PET	0.62465620	0.2462356358
## GLVAR_align.L.PET	0.20970591	0.0476323007
## RLVAR_align.L.PET	0.65680653	0.1937610124
## Entropy_align.L.PET	0.66191274	0.3074985183
## SZSE.L.PET	0.60404564	0.2529457454
## LZSE.L.PET	0.60518436	0.2084230737
## LGLZE.L.PET	0.43385495	-0.0255529117
## HGLZE.L.PET	0.22478912	0.1610456510
## SZLGE.L.PET	0.41745398	-0.0215208330
## SZHGE.L.PET	0.19823581	0.1545289297

## LZLGE.L.PET	0.44204110	-0.0248856884
## LZHGE.L.PET	0.28671704	0.1638545444
## GLNU_area.L.PET	0.48190125	0.3550463598
## ZSNU.L.PET	0.43361345	0.4122254422
## ZSP.L.PET	0.59368466	0.2420562919
## GLNU_norm.L.PET	0.45985141	0.0348076767
## ZSNU_norm.L.PET	0.57553959	0.2283518409
## GLVAR_area.L.PET	0.21294993	0.0575063700
## ZSVAR.L.PET	0.58805741	0.2286598003
## Entropy_area.L.PET	0.68371785	0.3181406008
## Max_cooc.H.PET	0.27291997	-0.4415719306
## Average_cooc.H.PET	0.63892706	0.1023760041
## Variance_cooc.H.PET	0.54011500	0.5490708538
## Entropy_cooc.H.PET	0.47467331	0.4921589541
## DAVE_cooc.H.PET	0.32736697	0.3969211943
## DVAR_cooc.H.PET	0.30448479	0.3733412684
## DENT_cooc.H.PET	0.52612292	0.3610715653
## SAVE_cooc.H.PET	0.66673383	0.1707135757
## SVAR_cooc.H.PET	0.70208676	0.4756941009
## SENT_cooc.H.PET	0.44885535	0.4493088577
## ASM_cooc.H.PET	0.26098043	-0.3885127536
## Contrast_cooc.H.PET	0.17055417	0.4081588353
## Dissimilarity_cooc.H.PET	0.32736697	0.3969211943
## Inv_diff_cooc.H.PET	0.63646887	-0.2749626851
## Inv_diff_norm_cooc.H.PET	0.69988889	0.2271616923
## IDM_cooc.H.PET	0.57021182	-0.3716404421
## IDM_norm_cooc.H.PET	0.68511515	0.2464333216
## Inv_var_cooc.H.PET	0.47913889	0.3433401908
## Correlation_cooc.H.PET	0.98890459	0.2879116128
## Autocorrelation_cooc.H.PET	0.63735896	-0.0173121190
## Tendency_cooc.H.PET	0.69143778	0.5761257218
## Shade_cooc.H.PET	-0.33294357	-0.3646596773
## Prominence_cooc.H.PET	0.56986654	0.7023453730
## IC1_d.H.PET	-0.62597006	0.0372839306
## IC2_d.H.PET	0.95356532	0.3531800755
## Coarseness_vdif.H.PET	0.26632862	0.0010511972
## Contrast_vdif.H.PET	0.11716067	-0.3528813451
## Busyness_vdif.H.PET	0.13710922	0.0396016987
## Complexity_vdif.H.PET	0.20603237	0.1185815018
## Strength_vdif.H.PET	-0.07094714	-0.1316127053
## SRE_align.H.PET	0.56832054	0.3896514323
## LRE_align.H.PET	0.63606938	-0.2254465717
## RLNU_align.H.PET	0.40792584	0.4993801190
## RP_align.H.PET	0.53978363	0.4158702153
## LGRE_align.H.PET	0.30980947	0.0850841188
## HGRE_align.H.PET	0.61144171	-0.0002817599
## LGSRE_align.H.PET	0.30648694	0.0834558749
## HGSRE_align.H.PET	0.55397096	0.1476525882
## LGHRE_align.H.PET	0.33241067	0.0866351609
## HGLRE_align.H.PET	0.50339790	-0.3275104466
## GLNU_norm_align.H.PET	0.36646417	-0.4605138389
## RLNU_norm_align.H.PET	0.46151305	0.4942097095
## GLVAR_align.H.PET	0.54070800	0.5814842131
## RLVAR_align.H.PET	0.49466682	-0.4054311938

## Entropy_align.H.PET	0.66967476	0.5921765619
## SZSE.H.PET	0.45426466	0.5395205445
## LZSE.H.PET	0.12784253	-0.1715848677
## LGLZE.H.PET	0.31102268	0.0921944073
## HGLZE.H.PET	0.63471104	0.0184381150
## SZLGE.H.PET	0.30287916	0.0847114360
## SZHGE.H.PET	0.40074547	0.2958609327
## LZLGE.H.PET	0.21953543	-0.2020090962
## LZHGE.H.PET	0.13345463	-0.2022429266
## GLNU_area.H.PET	0.43453322	0.3076771051
## ZSNU.H.PET	0.32880763	0.5937418067
## ZSP.H.PET	0.24149033	0.6669902143
## GLNU_norm.H.PET	0.39943645	-0.4522655634
## ZSNU_norm.H.PET	0.32094779	0.6481611826
## GLVAR_area.H.PET	0.52219900	0.5797428260
## ZSVAR_H.PET	0.13760968	-0.1931404151
## Entropy_area.H.PET	0.72081681	0.4432661901
## Max_cooc.W.PET	0.25032493	-0.3273521864
## Average_cooc.W.PET	0.34418893	0.9314046111
## Variance_cooc.W.PET	0.21710581	0.9202198499
## Entropy_cooc.W.PET	0.54126714	0.6407895857
## DAVE_cooc.W.PET	0.19678466	0.8205726869
## DVAR_cooc.W.PET	0.09368170	0.8993903593
## DENT_cooc.W.PET	0.45082413	0.6301408213
## SAVE_cooc.W.PET	0.34367429	0.9316037674
## SVAR_cooc.W.PET	0.27146006	0.9033450893
## SENT_cooc.W.PET	0.61211274	0.5615967879
## ASM_cooc.W.PET	0.28789945	-0.2346643487
## Contrast_cooc.W.PET	0.05503569	0.8822148234
## Dissimilarity_cooc.W.PET	0.19678466	0.8205726869
## Inv_diff_cooc.W.PET	0.64221501	-0.2688942323
## Inv_diff_norm_cooc.W.PET	0.71223862	0.2725100930
## IDM_cooc.W.PET	0.58335589	-0.3765663583
## IDM_norm_cooc.W.PET	0.69157247	0.2703326685
## Inv_var_cooc.W.PET	0.62516372	-0.3358424683
## Correlation_cooc.W.PET	1.00000000	0.2242959522
## Autocorrelation_cooc.W.PET	0.22429595	1.0000000000
## Tendency_cooc.W.PET	0.27146006	0.9033450893
## Shade_cooc.W.PET	0.20228088	0.5252246949
## Prominence_cooc.W.PET	0.16089083	0.5820589023
## IC1_d.W.PET	-0.55622621	-0.0684139084
## IC2_d.W.PET	0.86884367	0.3851742881
## Coarseness_vdif.W.PET	0.15416356	-0.1307714859
## Contrast_vdif.W.PET	-0.01646904	0.5831420117
## Busyness_vdif.W.PET	0.38298231	-0.4074780612
## Complexity_vdif.W.PET	0.21825203	0.8683099351
## Strength_vdif.W.PET	0.13251814	0.3313325036
## SRE_align.W.PET	0.61921854	0.3264017867
## LRE_align.W.PET	0.72393095	-0.0381048355
## GLNU_align.W.PET	0.52217733	0.0961739718
## RLNU_align.W.PET	0.43126757	0.4568883254
## RP_align.W.PET	0.60425895	0.3448422276
## LGRE_align.W.PET	0.33445468	-0.4707553239
## HGRE_align.W.PET	0.20928002	0.9983630809

## LGSRE_align.W.PET	0.33933771	-0.4562103091
## HGSRE_align.W.PET	0.20095667	0.9980462914
## LGHRE_align.W.PET	0.30130404	-0.4819589937
## HGLRE_align.W.PET	0.24609899	0.9964114753
## GLNU_norm_align.W.PET	0.35320380	-0.4230910776
## RLNU_norm_align.W.PET	0.56282838	0.4017237756
## GLVAR_align.W.PET	0.22615168	0.9514174170
## RLVAR_align.W.PET	0.52246107	-0.3903986057
## Entropy_align.W.PET	0.63929283	0.5917467618
## SZSE.W.PET	0.53443682	0.4239435419
## LZSE.W.PET	0.29110827	-0.3297292527
## LGLZE.W.PET	0.36606383	-0.4680938512
## HGLZE.W.PET	0.21262948	0.9973691213
## SZLGE.W.PET	0.36936778	-0.3970773826
## SZHGE.W.PET	0.19144223	0.9932921442
## LZLGE.W.PET	0.12389749	-0.2714022138
## LZHGE.W.PET	0.40022150	0.7598627551
## GLNU_area.W.PET	0.49069339	0.1895433506
## ZSNU.W.PET	0.38207655	0.5237127599
## ZSP.W.PET	0.43720403	0.5300365469
## GLNU_norm.W.PET	0.38265413	-0.4220933868
## ZSNU_norm.W.PET	0.42736740	0.5447419321
## GLVAR_area.W.PET	0.23056073	0.9492260058
## ZSVAR.W.PET	0.21667073	-0.3149348523
## Entropy_area.W.PET	0.70146715	0.4991133022
## Min_hist.ADC	0.15453907	0.0895165793
## Max_hist.ADC	0.59322978	0.2467894916
## Mean_hist.ADC	0.50893845	0.1573082522
## Variance_hist.ADC	0.34365809	0.0925115944
## Standard_Deviation_hist.ADC	0.50568818	0.1747305001
## Skewness_hist.ADC	0.27666894	0.2521891179
## Kurtosis_hist.ADC	0.28472734	0.1737489904
## Energy_hist.ADC	0.29776710	-0.0034870468
## Entropy_hist.ADC	0.67460599	0.3040688225
## AUC_hist.ADC	0.64946472	0.2986321993
## Volume.ADC	0.33610821	0.3604136012
## X3D_surface.ADC	0.39744595	0.2330670397
## ratio_3ds_vol.ADC	0.31679482	0.0294160127
## ratio_3ds_vol_norm.ADC	0.62798530	0.2481744821
## irregularity.ADC	0.57872600	0.2398536801
## Compactness_v1.ADC	0.45511301	0.0935132143
##	Tendency_cooc.W.PET	Shade_cooc.W.PET
## Failure	-0.1189942599	-0.0804828568
## Entropy_cooc.W.ADC	0.0683620273	0.0634251750
## GLNU_align.H.PET	0.0185640381	0.0283317744
## Min_hist.PET	0.7247756801	0.2812441529
## Max_hist.PET	0.8381773860	0.4599390324
## Mean_hist.PET	0.7813159179	0.3259274701
## Variance_hist.PET	0.9861840585	0.7204030131
## Standard_Deviation_hist.PET	0.8857419848	0.5159769990
## Skewness_hist.PET	0.0808225378	0.1682025457
## Kurtosis_hist.PET	-0.0421144684	0.0478743379
## Energy_hist.PET	0.0068851957	0.0247124761
## Entropy_hist.PET	0.3246399709	0.0993868383

## AUC_hist.PET	0.2277946531	0.0510573307
## H_suv.PET	0.7463320234	0.3614514013
## Volume.PET	0.2928375888	0.1081812589
## X3D_surface.PET	0.2907448901	0.1604344371
## ratio_3ds_vol.PET	0.0094451191	0.0441034181
## ratio_3ds_vol_norm.PET	0.2270872828	0.2026125462
## irregularity.PET	0.1722205877	0.0181349959
## tumor_length.PET	0.3796382076	0.1981709747
## Compactness_v1.PET	0.1190848047	0.0440081156
## Compactness_v2.PET	0.1833521434	-0.0038009229
## Spherical_disproportion.PET	0.2270872828	0.2026125462
## Sphericity.PET	0.1584697339	-0.0234935597
## Asphericity.PET	0.2233108100	0.2047855132
## Center_of_mass.PET	0.5543593739	0.5876700407
## Max_3D_diam.PET	0.4071809580	0.1460123722
## Major_axis_length.PET	0.4699807821	0.1848400682
## Minor_axis_length.PET	0.3608968459	0.1465913994
## Least_axis_length.PET	0.4007570195	0.1784966779
## Elongation.PET	0.0483063029	-0.0383105794
## Flatness.PET	0.1136957785	0.0077249366
## Max_cooc.L.PET	0.0425300975	0.0530758172
## Average_cooc.L.PET	0.1358562462	-0.0888322812
## Variance_cooc.L.PET	0.0312632983	-0.0515808118
## Entropy_cooc.L.PET	0.2561875192	0.0306249927
## DAVE_cooc.L.PET	0.0615054125	-0.0872886883
## DVAR_cooc.L.PET	0.1116404951	0.0277945821
## DENT_cooc.L.PET	0.2003923848	0.0011493629
## SAVE_cooc.L.PET	0.1358606061	-0.0889256316
## SVAR_cooc.L.PET	0.0554823880	-0.0129639572
## SENT_cooc.L.PET	0.2119816866	0.0369017630
## ASM_cooc.L.PET	0.0436623725	0.0491991525
## Contrast_cooc.L.PET	-0.0114194884	-0.1059864806
## Dissimilarity_cooc.L.PET	0.0615054125	-0.0872886883
## Inv_diff_cooc.L.PET	0.2881159583	0.1650703969
## Inv_diff_norm_cooc.L.PET	0.2569016786	0.0672718242
## IDM_cooc.L.PET	0.2760904725	0.1936888457
## IDM_norm_cooc.L.PET	0.2488505590	0.0566357854
## Inv_var_cooc.L.PET	0.2821194738	0.1956107289
## Correlation_cooc.L.PET	0.2586762066	0.1957114136
## Autocorrelation_cooc.L.PET	0.0395433311	-0.1339956059
## Tendency_cooc.L.PET	0.0554823880	-0.0129639572
## Shade_cooc.L.PET	0.1326524534	0.2093515979
## Prominence_cooc.L.PET	-0.0121936551	0.0045121648
## IC1_.L.PET	0.0396446651	-0.0108425707
## IC2_.L.PET	0.1560031619	0.0584337665
## Coarseness_vdif_.L.PET	-0.0399338705	-0.0111743153
## Contrast_vdif_.L.PET	-0.1078809651	-0.0853390260
## Busyness_vdif_.L.PET	0.3267287965	0.2075947481
## Complexity_vdif_.L.PET	0.0642637032	-0.0531399259
## Strength_vdif_.L.PET	-0.1368642252	-0.0538155657
## SRE_align.L.PET	0.2328648857	0.0397697610
## LRE_align.L.PET	0.2595929790	0.0745579417
## GLNU_align.L.PET	0.3371332446	0.2065868264
## RLNU_align.L.PET	0.3597159250	0.1748506292

## RP_align.L.PET	0.2301886491	0.0369038350
## LGRE_align.L.PET	0.1138936219	0.1354788190
## HGRE_align.L.PET	0.0452996705	-0.1348273084
## LGSRE_align.L.PET	0.1123646815	0.1301724383
## HGSRE_align.L.PET	0.0426983226	-0.1350166330
## LGHRE_align.L.PET	0.1200297698	0.1579989892
## HGLRE_align.L.PET	0.0560915687	-0.1334127145
## GLNU_norm_align.L.PET	0.0962602044	0.0794681614
## RLNU_norm_align.L.PET	0.2220894771	0.0284369511
## GLVAR_align.L.PET	0.0436584721	-0.0700694959
## RLVAR_align.L.PET	0.2305850594	0.1895047050
## Entropy_align.L.PET	0.2598395680	0.0375787033
## SZSE.L.PET	0.2298047241	0.0365509616
## LZSE.L.PET	0.2031830750	0.1014072048
## LGLZE.L.PET	0.1068606876	0.1209337633
## HGLZE.L.PET	0.0525696246	-0.1267534885
## SZLGE.L.PET	0.1008705698	0.1043219378
## SZHGE.L.PET	0.0553393816	-0.1187800152
## LZLGE.L.PET	0.1442316589	0.2374855154
## LZHGE.L.PET	0.0416554205	-0.1219115922
## GLNU_area.L.PET	0.3384818059	0.1977167562
## ZSNU.L.PET	0.3561405097	0.1611128788
## ZSP.L.PET	0.2178775837	0.0222029486
## GLNU_norm.L.PET	0.0952653708	0.0764634030
## ZSNU_norm.L.PET	0.2038890886	0.0088851416
## GLVAR_area.L.PET	0.0539602036	-0.0630645184
## ZSVAR.L.PET	0.2601521547	0.2569995949
## Entropy_area.L.PET	0.2720080417	0.0509957556
## Max_cooc.H.PET	-0.3899139061	-0.1794065034
## Average_cooc.H.PET	0.0939820571	-0.0248747932
## Variance_cooc.H.PET	0.4676819565	0.1350020009
## Entropy_cooc.H.PET	0.4561645564	0.1802462386
## DAVE_cooc.H.PET	0.3218703695	0.0230380899
## DVAR_cooc.H.PET	0.2695639356	-0.0191957339
## DENT_cooc.H.PET	0.2969751095	0.0159444204
## SAVE_cooc.H.PET	0.1576652952	0.0025437246
## SVAR_cooc.H.PET	0.4102512722	0.1150330040
## SENT_cooc.H.PET	0.4674469454	0.2267658100
## ASM_cooc.H.PET	-0.3491283302	-0.1586046712
## Contrast_cooc.H.PET	0.3069050059	-0.0075140331
## Dissimilarity_cooc.H.PET	0.3218703695	0.0230380899
## Inv_diff_cooc.H.PET	-0.2427377244	-0.1278268980
## Inv_diff_norm_cooc.H.PET	0.2140430547	0.0475290577
## IDM_cooc.H.PET	-0.3344502656	-0.1687271620
## IDM_norm_cooc.H.PET	0.2299787878	0.0504945102
## Inv_var_cooc_.H.PET	0.4077697045	0.2903405087
## Correlation_cooc.H.PET	0.3242669501	0.2279607040
## Autocorrelation_cooc.H.PET	-0.0109465971	-0.0635080598
## Tendency_cooc.H.PET	0.5127338983	0.1999159853
## Shade_cooc.H.PET	-0.2076111235	0.0538931848
## Prominence_cooc.H.PET	0.5996093959	0.2413420271
## IC1_d.H.PET	-0.0115606299	-0.0876101677
## IC2_d.H.PET	0.3896378047	0.2436727393
## Coarseness_vdif.H.PET	0.0454850165	0.0455625425

## Contrast_vdif.H.PET	-0.3567890951	-0.2000517793
## Busyness_vdif.H.PET	0.0155591994	-0.0310779639
## Complexity_vdif.H.PET	0.1123632079	-0.0168124125
## Strength_vdif.H.PET	-0.1099208421	-0.0491648793
## SRE_align.H.PET	0.3600089092	0.1034951570
## LRE_align.H.PET	-0.2182390345	-0.1402619276
## RLNU_align.H.PET	0.4426015706	0.2228747706
## RP_align.H.PET	0.3848604326	0.1156527400
## LGRE_align.H.PET	0.1038670553	0.0655610280
## HGRE_align.H.PET	-0.0001943203	-0.0606152475
## LGSRE_align.H.PET	0.1026091916	0.0650540330
## HGSRE_align.H.PET	0.1467770691	0.0080509999
## LGHRE_align.H.PET	0.1042784140	0.0656184209
## HGLRE_align.H.PET	-0.3214366689	-0.1844271546
## GLNU_norm_align.H.PET	-0.4108034246	-0.2166454323
## RLNU_norm_align.H.PET	0.4591522643	0.1525129917
## GLVAR_align.H.PET	0.4797804690	0.1318905142
## RLVAR_align.H.PET	-0.3818795319	-0.1905390006
## Entropy_align.H.PET	0.5354380135	0.2120488295
## SZSE.H.PET	0.5095931010	0.1877048014
## LZSE.H.PET	-0.1600266483	-0.0714223168
## LGLZE.H.PET	0.1067890842	0.0637767191
## HGLZE.H.PET	0.0535909800	-0.0160415004
## SZLGE.H.PET	0.1019848633	0.0629548381
## SZHGE.H.PET	0.3343911292	0.1379412455
## LZLGE.H.PET	-0.1870788807	-0.0800201689
## LZHGE.H.PET	-0.1926825124	-0.0864988082
## GLNU_area.H.PET	0.2762087613	0.1219510971
## ZSNU.H.PET	0.5249179358	0.2675882481
## ZSP.H.PET	0.6316246522	0.2558068028
## GLNU_norm.H.PET	-0.4115620455	-0.2228261670
## ZSNU_norm.H.PET	0.6193592782	0.2520910243
## GLVAR_area.H.PET	0.4715217461	0.1192340367
## ZSVAR.H.PET	-0.1819741643	-0.0809460144
## Entropy_area.H.PET	0.3939624524	0.1370149179
## Max_cooc.W.PET	-0.2799635011	-0.1210790764
## Average_cooc.W.PET	0.8192840515	0.3808481256
## Variance_cooc.W.PET	0.9907609061	0.7481610695
## Entropy_cooc.W.PET	0.5882702017	0.2364831338
## DAVE_cooc.W.PET	0.7832582963	0.3805613429
## DVAR_cooc.W.PET	0.9195414057	0.6130259552
## DENT_cooc.W.PET	0.5917117321	0.2392850254
## SAVE_cooc.W.PET	0.8193769487	0.3808371295
## SVAR_cooc.W.PET	1.0000000000	0.8060088152
## SENT_cooc.W.PET	0.5456405495	0.2395881929
## ASM_cooc.W.PET	-0.1908864113	-0.0726670747
## Contrast_cooc.W.PET	0.8780306909	0.5298189996
## Dissimilarity_cooc.W.PET	0.7832582963	0.3805613429
## Inv_diff_cooc.W.PET	-0.2531707552	-0.1655873525
## Inv_diff_norm_cooc.W.PET	0.2509975041	0.0642660938
## IDM_cooc.W.PET	-0.3509968125	-0.1980154699
## IDM_norm_cooc.W.PET	0.2470695478	0.0556856912
## Inv_var_cooc.W.PET	-0.3133517531	-0.1854797695
## Correlation_cooc.W.PET	0.2714600576	0.2022808759

## Autocorrelation_cooc.W.PET	0.9033450893	0.5252246949
## Tendency_cooc.W.PET	1.0000000000	0.8060088152
## Shade_cooc.W.PET	0.8060088152	1.0000000000
## Prominence_cooc.W.PET	0.8043381963	0.9768654799
## IC1_d.W.PET	-0.1382694382	-0.1575110767
## IC2_d.W.PET	0.4281863783	0.2468237946
## Coarseness_vdif.W.PET	-0.0821448355	-0.0334192973
## Contrast_vdif.W.PET	0.5884941830	0.2568544986
## Busyness_vdif.W.PET	-0.3822489661	-0.2098433961
## Complexity_vdif.W.PET	0.9436489326	0.8273790201
## Strength_vdif.W.PET	0.5238428709	0.4344822345
## SRE_align.W.PET	0.3005000005	0.0757277802
## LRE_align.W.PET	-0.0443934470	-0.0768650788
## GLNU_align.W.PET	0.0855547858	0.0319203806
## RLNU_align.W.PET	0.4064161908	0.2057194333
## RP_align.W.PET	0.3179707613	0.0840312632
## LGRE_align.W.PET	-0.3750837675	-0.1743192531
## HGRE_align.W.PET	0.9011508830	0.5272536076
## LGSRE_align.W.PET	-0.3573323345	-0.1675225580
## HGSRE_align.W.PET	0.9044213900	0.5327508503
## LGHRE_align.W.PET	-0.4047938651	-0.1839835572
## HGLRE_align.W.PET	0.8848441118	0.5036895499
## GLNU_norm_align.W.PET	-0.3703539507	-0.1907953098
## RLNU_norm_align.W.PET	0.3723421915	0.1105838838
## GLVAR_align.W.PET	0.9861484224	0.7218039790
## RLVAR_align.W.PET	-0.3640262415	-0.1808322791
## Entropy_align.W.PET	0.5353825150	0.2095538803
## SZSE.W.PET	0.3960602636	0.1288544113
## LZSE.W.PET	-0.3160269670	-0.1561182197
## LGLZE.W.PET	-0.3811428912	-0.1842712519
## HGLZE.W.PET	0.9134301705	0.5495421882
## SZLGE.W.PET	-0.3099202703	-0.1548916146
## SZHGE.W.PET	0.9232740478	0.5693377926
## LZLGE.W.PET	-0.2484647052	-0.1098577336
## LZHGE.W.PET	0.6274765053	0.3261160764
## GLNU_area.W.PET	0.1702784864	0.0716097934
## ZSNU.W.PET	0.4661301183	0.2381463846
## ZSP.W.PET	0.4973795096	0.1801069326
## GLNU_norm.W.PET	-0.3730851840	-0.1946377156
## ZSNU_norm.W.PET	0.5133849361	0.1906772903
## GLVAR_area.W.PET	0.9864463812	0.7260554559
## ZSVAR.W.PET	-0.3003056233	-0.1413154502
## Entropy_area.W.PET	0.4480337297	0.1637328996
## Min_hist.ADC	0.0347482891	-0.0431975427
## Max_hist.ADC	0.2218911124	0.0609487262
## Mean_hist.ADC	0.1410913064	0.0106032649
## Variance_hist.ADC	0.1004821259	0.0565843672
## Standard_Deviation_hist.ADC	0.1734213415	0.0674415963
## Skewness_hist.ADC	0.2067591824	0.1081203231
## Kurtosis_hist.ADC	0.1855030040	0.1055773287
## Energy_hist.ADC	0.0339292214	0.0376429684
## Entropy_hist.ADC	0.2757577704	0.0624819666
## AUC_hist.ADC	0.2647370989	0.0595574441
## Volume.ADC	0.2723895679	0.0972241078

## X3D_surface.ADC	0.2012241216	0.0594697076	
## ratio_3ds_vol.ADC	0.0336184473	-0.0138874021	
## ratio_3ds_vol_norm.ADC	0.2317456653	0.0500065599	
## irregularity.ADC	0.2145971608	0.0441391284	
## Compactness_v1.ADC	0.1111654147	0.0439294376	
##	Prominence_cooc.W.PET	IC1_d.W.PET	IC2_d.W.PET
## Failure	-0.0830084823	0.0803166399	-0.05857599
## Entropy_cooc.W.ADC	0.0731527001	-0.1423250936	0.09870744
## GLNU_align.H.PET	0.0250033804	-0.0687071095	0.03849515
## Min_hist.PET	0.2788208812	0.0022888797	0.51462584
## Max_hist.PET	0.4571226692	-0.0894487287	0.60822477
## Mean_hist.PET	0.3387950852	-0.0194233924	0.53914663
## Variance_hist.PET	0.7357059000	-0.0904914334	0.41490864
## Standard_Deviation_hist.PET	0.5087835743	-0.0814139274	0.61244310
## Skewness_hist.PET	0.0539057514	-0.1231521303	0.50051017
## Kurtosis_hist.PET	0.0023212609	0.0283094448	0.12092698
## Energy_hist.PET	-0.0055786425	0.4503134578	0.38512853
## Entropy_hist.PET	0.0876533010	-0.2165302857	0.79182464
## AUC_hist.PET	0.0137687642	-0.1079350506	0.85064261
## H_suv.PET	0.3536980593	0.1121819684	0.52576071
## Volume.PET	0.1415594104	-0.1769343196	0.29112801
## X3D_surface.PET	0.1356880821	-0.1886472699	0.35945878
## ratio_3ds_vol.PET	-0.0191676451	0.1032053813	0.48480812
## ratio_3ds_vol_norm.PET	0.1424120307	-0.0746610332	0.65798393
## irregularity.PET	-0.0226447767	-0.1210647377	0.80842839
## tumor_length.PET	0.1724833168	-0.2098391318	0.68105140
## Compactness_v1.PET	0.0271018522	0.4189399823	0.47191383
## Compactness_v2.PET	0.0273519405	-0.1121879142	0.13225680
## Spherical_disproportion.PET	0.1424120307	-0.0746610332	0.65798393
## Sphericity.PET	0.0035349134	-0.1983110803	0.11204355
## Asphericity.PET	0.1445230794	-0.0709016448	0.64235782
## Center_of_mass.PET	0.5334820119	-0.3954141290	0.59108348
## Max_3D_diam.PET	0.1571082969	-0.3320390213	0.48261460
## Major_axis_length.PET	0.1983696832	-0.2622293277	0.52986959
## Minor_axis_length.PET	0.1284031853	-0.2809270139	0.67171106
## Least_axis_length.PET	0.1675973249	-0.3422293901	0.61611613
## Elongation.PET	-0.0777043747	-0.0514517220	0.70403366
## Flatness.PET	-0.0261558146	-0.1540286520	0.71024066
## Max_cooc.L.PET	0.0226197937	0.4243516780	0.43193271
## Average_cooc.L.PET	-0.0725123698	-0.0423063032	0.61679504
## Variance_cooc.L.PET	-0.0864953267	0.0024227435	0.44271343
## Entropy_cooc.L.PET	0.0083173225	-0.1413106365	0.81776643
## DAVE_cooc.L.PET	-0.1102202506	0.1456858153	0.45885613
## DVAR_cooc.L.PET	-0.0178750738	0.2419640661	0.38074193
## DENT_cooc.L.PET	-0.0289492446	-0.0548063159	0.75815784
## SAVE_cooc.L.PET	-0.0725655239	-0.0428848757	0.61656308
## SVAR_cooc.L.PET	-0.0542756900	-0.1624043079	0.53967883
## SENT_cooc.L.PET	0.0025355845	-0.1210000499	0.83879421
## ASM_cooc.L.PET	0.0205441633	0.4466110663	0.40863450
## Contrast_cooc.L.PET	-0.1260358646	0.2637284120	0.22903755
## Dissimilarity_cooc.L.PET	-0.1102202506	0.1456858153	0.45885613
## Inv_diff_cooc.L.PET	0.1297100621	-0.1694091724	0.85666440
## Inv_diff_norm_cooc.L.PET	0.0348261902	-0.1624953537	0.87351732
## IDM_cooc.L.PET	0.1574807887	-0.1173335953	0.80087776

## IDM_norm_cooc.L.PET	0.0246148992	-0.1503152106	0.86439033
## Inv_var_cooc.L.PET	0.1597344105	-0.1199099910	0.80421046
## Correlation_cooc.L.PET	0.1548909326	-0.5584262991	0.86557537
## Autocorrelation_cooc.L.PET	-0.1021447581	-0.0355886092	0.44565603
## Tendency_cooc.L.PET	-0.0542756900	-0.1624043079	0.53967883
## Shade_cooc.L.PET	0.0853156580	-0.3259251171	0.41549653
## Prominence_cooc.L.PET	-0.0585714482	-0.1945695243	0.41214204
## IC1_.L.PET	0.0260200813	0.4006228530	-0.33708448
## IC2_.L.PET	0.0108679376	-0.1700636782	0.81142713
## Coarseness_vdif_.L.PET	-0.0420677570	0.3525333600	0.41157739
## Contrast_vdif_.L.PET	-0.0954896020	0.2214446108	0.02558281
## Busyness_vdif_.L.PET	0.1748100517	-0.1807381011	0.35669384
## Complexity_vdif_.L.PET	-0.0887951283	0.2439113754	0.41233468
## Strength_vdif_.L.PET	-0.1024083406	0.0084806786	0.20998943
## SRE_align.L.PET	0.0076149368	-0.1154465246	0.84086979
## LRE_align.L.PET	0.0426520410	-0.1680466602	0.87074373
## GLNU_align.L.PET	0.1855363494	-0.2319319076	0.36987627
## RLNU_align.L.PET	0.1727533599	-0.2332364819	0.33844585
## RP_align.L.PET	0.0047304114	-0.1126546981	0.83851782
## LGRE_align.L.PET	0.0613926215	0.1085742828	0.58105905
## HGRE_align.L.PET	-0.1026066055	0.0152653719	0.43028342
## LGSRE_align.L.PET	0.0565026042	0.1179921450	0.58236074
## HGSRE_align.L.PET	-0.1039863256	0.0208905104	0.42553855
## LGHRE_align.L.PET	0.0831543504	0.0719582642	0.57275729
## HGLRE_align.L.PET	-0.0964677339	-0.0079084897	0.44846927
## GLNU_norm_align.L.PET	0.0289126033	0.2650703937	0.60979936
## RLNU_norm_align.L.PET	-0.0037513652	-0.1020591877	0.82966883
## GLVAR_align.L.PET	-0.0874591735	0.0009014467	0.46607511
## RLVAR_align.L.PET	0.1596487980	0.1054972445	0.69304390
## Entropy_align.L.PET	0.0172716442	-0.1582469051	0.83533841
## SZSE.L.PET	0.0046362733	-0.0857224096	0.80763023
## LZSE.L.PET	0.0829057342	-0.2092391679	0.67168233
## LGLZE.L.PET	0.0494367038	0.1205226529	0.58500465
## HGLZE.L.PET	-0.0975509962	0.0152012310	0.43742332
## SZLGE.L.PET	0.0364542736	0.1565345060	0.57856825
## SZHGE.L.PET	-0.0947428195	0.0360194581	0.42217179
## LZLGE.L.PET	0.1707596120	-0.0219262961	0.51957437
## LZHGE.L.PET	-0.0789088290	-0.0682737861	0.40959614
## GLNU_area.L.PET	0.1777490942	-0.2302125934	0.36667630
## ZSNU.L.PET	0.1610007350	-0.2237035309	0.32682424
## ZSP.L.PET	-0.0107803165	-0.0823688092	0.80540960
## GLNU_norm.L.PET	0.0264332323	0.2677580828	0.61033919
## ZSNU_norm.L.PET	-0.0244185578	-0.0710091086	0.79779916
## GLVAR_area.L.PET	-0.0811823409	0.0043028909	0.47502351
## ZSVAR.L.PET	0.2519417570	-0.1488159271	0.54922789
## Entropy_area.L.PET	0.0305117213	-0.1702730761	0.84646474
## Max_cooc.H.PET	-0.1931606063	-0.0851319407	0.22028645
## Average_cooc.H.PET	-0.0582859945	-0.1656114256	0.79858255
## Variance_cooc.H.PET	0.1252534381	-0.0618933108	0.76005896
## Entropy_cooc.H.PET	0.1593862898	-0.0819191871	0.72525777
## DAVE_cooc.H.PET	0.0054306334	0.1195738298	0.63868531
## DVAR_cooc.H.PET	-0.0221813107	0.1389628958	0.59728940
## DENT_cooc.H.PET	-0.0203991267	-0.1295767466	0.66301665
## SAVE_cooc.H.PET	-0.0338451455	-0.1899314194	0.83394391

## SVAR_cooc.H.PET	0.0977020276	-0.2126767526	0.82879412
## SENT_cooc.H.PET	0.1899021729	0.0915517978	0.70171012
## ASM_cooc.H.PET	-0.1673697738	0.0047720637	0.20764411
## Contrast_cooc.H.PET	-0.0125653425	0.2168820763	0.51239989
## Dissimilarity_cooc.H.PET	0.0054306334	0.1195738298	0.63868531
## Inv_diff_cooc.H.PET	-0.1524554843	-0.2593834086	0.59380035
## Inv_diff_norm_cooc.H.PET	0.0138713479	-0.1660371797	0.86359529
## IDM_cooc.H.PET	-0.1899880617	-0.2475664573	0.49350007
## IDM_norm_cooc.H.PET	0.0169085566	-0.1515557145	0.86022440
## Inv_var_cooc.H.PET	0.2434362414	0.2834320154	0.63652066
## Correlation_cooc.H.PET	0.1962631488	-0.5369674461	0.87992998
## Autocorrelation_cooc.H.PET	-0.0962319032	-0.1974214708	0.75033256
## Tendency_cooc.H.PET	0.1885053152	-0.2070213317	0.82586313
## Shade_cooc.H.PET	0.0045100397	0.0421858487	-0.42291350
## Prominence_cooc.H.PET	0.2542175819	-0.1708611241	0.67558764
## IC1_d.H.PET	-0.0713742429	0.9570351271	-0.41749760
## IC2_d.H.PET	0.1994533440	-0.5097000683	0.96604571
## Coarseness_vdif.H.PET	0.0163118483	0.4483169588	0.39985906
## Contrast_vdif.H.PET	-0.1895260172	0.0349554236	0.10751679
## Busyness_vdif.H.PET	-0.0389877653	-0.2480414824	0.06772619
## Complexity_vdif.H.PET	-0.0402717903	0.3019377682	0.49127543
## Strength_vdif.H.PET	-0.0534544915	0.0479985037	-0.03583113
## SRE_align.H.PET	0.0708251979	-0.0332170325	0.81533034
## LRE_align.H.PET	-0.1561239293	-0.3647539667	0.57994537
## RLNU_align.H.PET	0.2259464523	-0.1688655726	0.32383189
## RP_align.H.PET	0.0833109936	-0.0118803934	0.80161653
## LGRE_align.H.PET	0.0433493285	0.4450135463	0.43449902
## HGRE_align.H.PET	-0.0923172169	-0.1742211224	0.73610222
## LGSRE_align.H.PET	0.0428160678	0.4475155962	0.43147501
## HGSRE_align.H.PET	-0.0312048455	-0.0807559106	0.75912115
## LGHRE_align.H.PET	0.0434195816	0.4247476924	0.45233748
## HGLRE_align.H.PET	-0.1881379109	-0.3901980483	0.40260591
## GLNU_norm_align.H.PET	-0.2410833675	-0.0717858669	0.34659356
## RLNU_norm_align.H.PET	0.1212733636	0.0396292599	0.75676615
## GLVAR_align.H.PET	0.1308658441	-0.0664766291	0.74555224
## RLVAR_align.H.PET	-0.1957899058	-0.4395066639	0.32607498
## Entropy_align.H.PET	0.1950625380	-0.1894203299	0.86037750
## SZSE.H.PET	0.1523845065	0.0112049966	0.74085097
## LZSE.H.PET	-0.0685248084	-0.3921549307	0.04348681
## LGLZE.H.PET	0.0428896939	0.4432306159	0.43660588
## HGLZE.H.PET	-0.0751168266	-0.2162040225	0.73365418
## SZLGE.H.PET	0.0412450698	0.4489050526	0.42871122
## SZHGE.H.PET	0.0721118083	-0.0644269846	0.68114316
## LZLGE.H.PET	-0.0778228900	-0.3924451821	0.12600785
## LZHGE.H.PET	-0.0799228359	-0.3664432334	0.03551191
## GLNU_area.H.PET	0.1036703342	-0.1941374010	0.32469045
## ZSNU.H.PET	0.2791509452	-0.1162387122	0.28138613
## ZSP.H.PET	0.2247922232	0.1197252270	0.57464425
## GLNU_norm.H.PET	-0.2429199049	-0.0923925473	0.37214134
## ZSNU_norm.H.PET	0.2171374135	0.0595953087	0.64834610
## GLVAR_area.H.PET	0.1193082322	-0.0487241681	0.72299799
## ZSVAR.H.PET	-0.0758523108	-0.3855869018	0.04293197
## Entropy_area.H.PET	0.1181580165	-0.1877093283	0.86637407
## Max_cooc.W.PET	-0.1371285612	0.1186200499	0.25634353

## Average_cooc.W.PET	0.4098989265	-0.0588709797	0.57339234
## Variance_cooc.W.PET	0.7462398049	-0.0978838432	0.42140352
## Entropy_cooc.W.PET	0.2156830140	-0.0834403451	0.78534379
## DAVE_cooc.W.PET	0.3666172241	0.0372069294	0.53224601
## DVAR_cooc.W.PET	0.6112985480	-0.0114159457	0.38050296
## DENT_cooc.W.PET	0.2114719926	-0.0194168374	0.74523242
## SAVE_cooc.W.PET	0.4099500579	-0.0598193843	0.57270556
## SVAR_cooc.W.PET	0.8043381963	-0.1382694382	0.42818638
## SENT_cooc.W.PET	0.2054339623	-0.1015893425	0.85609488
## ASM_cooc.W.PET	-0.0911094034	0.2413822748	0.31208899
## Contrast_cooc.W.PET	0.5274472999	0.0160268242	0.36550874
## Dissimilarity_cooc.W.PET	0.3666172241	0.0372069294	0.53224601
## Inv_diff_cooc.W.PET	-0.1908902424	-0.2086860038	0.62593750
## Inv_diff_norm_cooc.W.PET	0.0319597251	-0.1627494184	0.87228068
## IDM_cooc.W.PET	-0.2186517008	-0.2236211395	0.51627710
## IDM_norm_cooc.W.PET	0.0237139482	-0.1491845908	0.86352591
## Inv_var_cooc.W.PET	-0.2098065827	-0.2026733759	0.57694054
## Correlation_cooc.W.PET	0.1608908251	-0.5562262112	0.86884367
## Autocorrelation_cooc.W.PET	0.5820589023	-0.0684139084	0.38517429
## Tendency_cooc.W.PET	0.8043381963	-0.1382694382	0.42818638
## Shade_cooc.W.PET	0.9768654799	-0.1575110767	0.24682379
## Prominence_cooc.W.PET	1.0000000000	-0.1263486965	0.19255345
## IC1_d.W.PET	-0.1263486965	1.0000000000	-0.45591702
## IC2_d.W.PET	0.1925534541	-0.4559170245	1.00000000
## Coarseness_vdif.W.PET	-0.0595485183	0.3386507185	0.35289859
## Contrast_vdif.W.PET	0.2332788361	0.1766544692	0.40708163
## Busyness_vdif.W.PET	-0.2204396904	-0.3870187494	0.17454985
## Complexity_vdif.W.PET	0.8558128629	-0.0966926901	0.33303640
## Strength_vdif.W.PET	0.3539743082	-0.1443587044	0.41479697
## SRE_align.W.PET	0.0429685031	-0.0830671628	0.83855000
## LRE_align.W.PET	-0.1014063336	-0.3216365623	0.76809234
## GLNU_align.W.PET	0.0085458388	-0.3418487831	0.35027538
## RLNU_align.W.PET	0.2052073100	-0.1984987686	0.33387193
## RP_align.W.PET	0.0512466867	-0.0682391362	0.83276374
## LGRE_align.W.PET	-0.2150049548	-0.0596847659	0.33814786
## HGRE_align.W.PET	0.5845559791	-0.0584142781	0.37591332
## LGSRE_align.W.PET	-0.2118053405	-0.0295336379	0.36243983
## HGSRE_align.W.PET	0.5888393696	-0.0553388016	0.37113243
## LGHRE_align.W.PET	-0.2092531336	-0.1837272202	0.23739782
## HGLRE_align.W.PET	0.5660076656	-0.0755414276	0.39659607
## GLNU_norm_align.W.PET	-0.2173081545	0.0085132148	0.35592848
## RLNU_norm_align.W.PET	0.0777311937	-0.0348952537	0.81551079
## GLVAR_align.W.PET	0.7375270677	-0.0920654889	0.41491957
## RLVAR_align.W.PET	-0.1895299705	-0.3459395382	0.37859089
## Entropy_align.W.PET	0.1918211363	-0.1555418257	0.84393930
## SZSE.W.PET	0.0955711538	-0.0199755195	0.79164024
## LZSE.W.PET	-0.1516514204	-0.3679406125	0.16246288
## LGLZE.W.PET	-0.2218039984	-0.0565406846	0.36027528
## HGLZE.W.PET	0.6018494227	-0.0651650201	0.38413761
## SZLGE.W.PET	-0.1984327663	0.0332458146	0.41279776
## SZHGE.W.PET	0.6165543819	-0.0612284611	0.37254226
## LZLGE.W.PET	-0.1075654712	-0.2851360915	0.02646940
## LZHGE.W.PET	0.3970311539	-0.2069209532	0.44742497
## GLNU_area.W.PET	0.0493200364	-0.2791051096	0.34580740

## ZSNU.W.PET	0.2425932968	-0.1541856758	0.30956791
## ZSP.W.PET	0.1469740772	0.0405819055	0.73246210
## GLNU_norm.W.PET	-0.2198171930	-0.0046069316	0.38191772
## ZSNU_norm.W.PET	0.1573707622	0.0379317579	0.73513363
## GLVAR_area.W.PET	0.7409918627	-0.0937367428	0.42070978
## ZSVAR.W.PET	-0.1347455911	-0.3445706293	0.08734735
## Entropy_area.W.PET	0.1446388966	-0.1909668478	0.87070160
## Min_hist.ADC	-0.0407055672	-0.0117419799	0.26003572
## Max_hist.ADC	0.0313420455	-0.1078900316	0.72555799
## Mean_hist.ADC	-0.0270840126	-0.1062074976	0.70851080
## Variance_hist.ADC	0.0477455502	-0.0150516866	0.37398116
## Standard_Deviation_hist.ADC	0.0479231377	-0.0750789317	0.60857159
## Skewness_hist.ADC	0.1309406920	-0.0324349535	0.22575991
## Kurtosis_hist.ADC	0.0785689141	-0.1145081533	0.32386776
## Energy_hist.ADC	0.0110928743	0.4302237375	0.41930084
## Entropy_hist.ADC	0.0309619947	-0.1511326132	0.81740386
## AUC_hist.ADC	0.0345016798	-0.0925009406	0.82451441
## Volume.ADC	0.1307170382	-0.1569894694	0.26149238
## X3D_surface.ADC	0.0442562937	-0.0808565013	0.36805672
## ratio_3ds_vol.ADC	-0.0343162041	-0.0064109755	0.54796352
## ratio_3ds_vol_norm.ADC	0.0159014149	-0.1338728170	0.78576244
## irregularity.ADC	0.0194992233	-0.1028785331	0.80414432
## Compactness_v1.ADC	0.0138078326	0.2926973262	0.61575812
##	Coarseness_vdif.W.PET	Contrast_vdif.W.PET	
## Failure	0.0974207633	0.013307230	
## Entropy_cooc.W.ADC	-0.0669514053	-0.133587941	
## GLNU_align.H.PET	-0.1065812391	-0.180535111	
## Min_hist.PET	0.0417262998	0.776187372	
## Max_hist.PET	-0.0336993205	0.657158070	
## Mean_hist.PET	0.0055016892	0.763352105	
## Variance_hist.PET	-0.0947427678	0.645192451	
## Standard_Deviation_hist.PET	0.0003701983	0.761738990	
## Skewness_hist.PET	0.2669417496	0.117868953	
## Kurtosis_hist.PET	0.0537208402	-0.137998905	
## Energy_hist.PET	0.9212697535	0.302061048	
## Entropy_hist.PET	0.1572537122	0.357672149	
## AUC_hist.PET	0.4790864283	0.466171083	
## H_suv.PET	0.1338101666	0.854495484	
## Volume.PET	-0.2960065158	0.011905681	
## X3D_surface.PET	-0.0889249915	-0.030913574	
## ratio_3ds_vol.PET	0.7886154709	0.379954705	
## ratio_3ds_vol_norm.PET	0.5167577670	0.235448151	
## irregularity.PET	0.5524449406	0.485427027	
## tumor_length.PET	0.0805492534	0.143857581	
## Compactness_v1.PET	0.7496958418	0.305215466	
## Compactness_v2.PET	-0.2792420452	0.056058420	
## Spherical_disproportion.PET	0.5167577670	0.235448151	
## Sphericity.PET	-0.3816684207	0.052557689	
## Asphericity.PET	0.5125953569	0.224022568	
## Center_of_mass.PET	0.0218653648	0.102752194	
## Max_3D_diam.PET	-0.3207375233	0.054941735	
## Major_axis_length.PET	-0.2093238374	0.120398906	
## Minor_axis_length.PET	-0.0916412046	0.128073515	
## Least_axis_length.PET	-0.1978496125	0.101025426	

## Elongation.PET	0.4935019925	0.401637988
## Flatness.PET	0.3759593787	0.378673658
## Max_cooc.L.PET	0.8628119025	0.268639230
## Average_cooc.L.PET	0.4893215937	0.555102756
## Variance_cooc.L.PET	0.5632467827	0.579133011
## Entropy_cooc.L.PET	0.3456182577	0.505618715
## DAVE_cooc.L.PET	0.5643858874	0.659978751
## DVAR_cooc.L.PET	0.5811363532	0.641984830
## DENT_cooc.L.PET	0.4793666724	0.580113148
## SAVE_cooc.L.PET	0.4884874178	0.555003594
## SVAR_cooc.L.PET	0.5113317440	0.486996526
## SENT_cooc.L.PET	0.5200311926	0.517888280
## ASM_cooc.L.PET	0.8478734041	0.267714703
## Contrast_cooc.L.PET	0.5696650031	0.647471694
## Dissimilarity_cooc.L.PET	0.5643858874	0.659978751
## Inv_diff_cooc.L.PET	0.3728837943	0.228144724
## Inv_diff_norm_cooc.L.PET	0.4184912742	0.437498171
## IDM_cooc.L.PET	0.3930655581	0.163553373
## IDM_norm_cooc.L.PET	0.4299397970	0.457374329
## Inv_var_cooc.L.PET	0.3849101873	0.164604632
## Correlation_cooc.L.PET	0.1625740943	-0.026725724
## Autocorrelation_cooc.L.PET	0.4771954488	0.461049734
## Tendency_cooc.L.PET	0.5113317440	0.486996526
## Shade_cooc.L.PET	0.1856611179	0.192831162
## Prominence_cooc.L.PET	0.4708544727	0.376072479
## IC1_.L.PET	-0.4032302042	-0.242635416
## IC2_.L.PET	0.6553778424	0.499595827
## Coarseness_vdif_.L.PET	0.9790598931	0.320885717
## Contrast_vdif_.L.PET	0.5683967966	0.343948002
## Busyness_vdif_.L.PET	-0.2389488483	-0.041229351
## Complexity_vdif_.L.PET	0.6233748835	0.663539728
## Strength_vdif_.L.PET	0.6889683827	0.261417981
## SRE_align.L.PET	0.4636887388	0.497306449
## LRE_align.L.PET	0.4097119640	0.439000473
## GLNU_align.L.PET	-0.2322367824	-0.097370884
## RLNU_align.L.PET	-0.2781927236	-0.057609967
## RP_align.L.PET	0.4663137859	0.500095675
## LGRE_align.L.PET	0.5888353831	0.302371264
## HGRE_align.L.PET	0.5075621967	0.500281552
## LGSRE_align.L.PET	0.5998490986	0.311409431
## HGSRE_align.L.PET	0.5128855382	0.503960835
## LGHRE_align.L.PET	0.5423382389	0.263476452
## HGLRE_align.L.PET	0.4836754475	0.483798685
## GLNU_norm_align.L.PET	0.8009463208	0.311930104
## RLNU_norm_align.L.PET	0.4756148284	0.510525655
## GLVAR_align.L.PET	0.5436213577	0.580009312
## RLVAR_align.L.PET	0.5854331523	0.179567783
## Entropy_align.L.PET	0.3731341882	0.498847997
## SZSE.L.PET	0.4813645292	0.514168482
## LZSE.L.PET	0.1898178874	0.198528520
## LGLZE.L.PET	0.6036674684	0.307211021
## HGLZE.L.PET	0.5137061144	0.511706178
## SZLGE.L.PET	0.6438573104	0.333142491
## SZHGE.L.PET	0.5307967824	0.527963643

## LZLGE.L.PET	0.3758273226	0.144565516
## LZHGE.L.PET	0.3340201664	0.336236960
## GLNU_area.L.PET	-0.2360456375	-0.088618503
## ZSNU.L.PET	-0.2824603161	-0.043372817
## ZSP.L.PET	0.4900949717	0.525305877
## GLNU_norm.L.PET	0.8013547186	0.311724078
## ZSNU_norm.L.PET	0.5023014947	0.538764169
## GLVAR_area.L.PET	0.5504293910	0.591582905
## ZSVAR.L.PET	0.1239712532	-0.002613887
## Entropy_area.L.PET	0.3548128477	0.482594246
## Max_cooc.H.PET	0.5656526419	-0.246191034
## Average_cooc.H.PET	0.4858278771	0.372346654
## Variance_cooc.H.PET	0.2465821749	0.636947818
## Entropy_cooc.H.PET	0.2285414111	0.627232913
## DAVE_cooc.H.PET	0.3530151173	0.720064859
## DVAR_cooc.H.PET	0.3860178470	0.660183850
## DENT_cooc.H.PET	0.1190930207	0.422501811
## SAVE_cooc.H.PET	0.4281839657	0.419761804
## SVAR_cooc.H.PET	0.2152813629	0.479744047
## SENT_cooc.H.PET	0.4642833992	0.687101802
## ASM_cooc.H.PET	0.6137003602	-0.211241720
## Contrast_cooc.H.PET	0.3340798165	0.756164449
## Dissimilarity_cooc.H.PET	0.3530151173	0.720064859
## Inv_diff_cooc.H.PET	0.5424781770	-0.125183445
## Inv_diff_norm_cooc.H.PET	0.4644864898	0.430335613
## IDM_cooc.H.PET	0.5307444107	-0.225588875
## IDM_norm_cooc.H.PET	0.4546036713	0.456974393
## Inv_var_cooc.H.PET	0.6762256192	0.467595646
## Correlation_cooc.H.PET	0.1584764556	0.036183829
## Autocorrelation_cooc.H.PET	0.5128422383	0.249551180
## Tendency_cooc.H.PET	0.1771552300	0.515593703
## Shade_cooc.H.PET	-0.0868907690	-0.306749064
## Prominence_cooc.H.PET	0.0155289957	0.485211398
## IC1_d.H.PET	0.3293259781	0.373190620
## IC2_d.H.PET	0.2531226790	0.216269757
## Coarseness_vdif.H.PET	0.8715087118	0.300694559
## Contrast_vdif.H.PET	0.5538839034	-0.144999552
## Busyness_vdif.H.PET	-0.4030935845	-0.120456762
## Complexity_vdif.H.PET	0.6727777211	0.597045730
## Strength_vdif.H.PET	0.2561662954	-0.022331013
## SRE_align.H.PET	0.4116504176	0.625411163
## LRE_align.H.PET	0.3594921454	-0.125984071
## RLNU_align.H.PET	-0.2621813757	0.015581132
## RP_align.H.PET	0.4103127453	0.657414411
## LGRE_align.H.PET	0.8256651301	0.313937381
## HGRE_align.H.PET	0.5233570426	0.260571295
## LGSRE_align.H.PET	0.8262147995	0.313924842
## HGSRE_align.H.PET	0.5079118653	0.447098796
## LGHRE_align.H.PET	0.8225998374	0.306490895
## HGLRE_align.H.PET	0.3154334034	-0.253348712
## GLNU_norm_align.H.PET	0.6107608343	-0.167263111
## RLNU_norm_align.H.PET	0.3681668800	0.737384253
## GLVAR_align.H.PET	0.1996404642	0.613164388
## RLVAR_align.H.PET	0.2155534808	-0.395742253

## Entropy_align.H.PET	0.1956391689	0.598611210
## SZSE.H.PET	0.2938606508	0.736514662
## LZSE.H.PET	-0.0546017229	-0.202265778
## LGLZE.H.PET	0.8227940231	0.315763679
## HGLZE.H.PET	0.3606481186	0.247883145
## SZLGE.H.PET	0.8248607944	0.313821036
## SZHGE.H.PET	0.3555143253	0.597278995
## LZLGE.H.PET	0.0662136338	-0.223100982
## LZHGE.H.PET	0.0021864902	-0.235173818
## GLNU_area.H.PET	-0.2759346638	-0.070960675
## ZSNU.H.PET	-0.2481223945	0.100054571
## ZSP.H.PET	0.1803872549	0.848436121
## GLNU_norm.H.PET	0.6100190084	-0.160442994
## ZSNU_norm.H.PET	0.2100227391	0.827946444
## GLVAR_area.H.PET	0.1721114204	0.603840561
## ZSVAR_H.PET	-0.0236396796	-0.228680695
## Entropy_area.H.PET	0.2505225233	0.476652100
## Max_cooc.W.PET	0.7220307594	-0.092512018
## Average_cooc.W.PET	-0.0214154634	0.719918562
## Variance_cooc.W.PET	-0.0750366536	0.670325375
## Entropy_cooc.W.PET	0.1769021799	0.701423099
## DAVE_cooc.W.PET	0.0546249039	0.882923875
## DVAR_cooc.W.PET	-0.0598272787	0.779764058
## DENT_cooc.W.PET	0.2157941165	0.775062714
## SAVE_cooc.W.PET	-0.0231486284	0.719527878
## SVAR_cooc.W.PET	-0.0821448355	0.588494183
## SENT_cooc.W.PET	0.3094440060	0.691255301
## ASM_cooc.W.PET	0.8115395278	0.007132800
## Contrast_cooc.W.PET	-0.0507850305	0.824382775
## Dissimilarity_cooc.W.PET	0.0546249039	0.882923875
## Inv_diff_cooc.W.PET	0.5601852821	-0.066890271
## Inv_diff_norm_cooc.W.PET	0.4238255053	0.433776362
## IDM_cooc.W.PET	0.5457932846	-0.201480258
## IDM_norm_cooc.W.PET	0.4324355134	0.456921454
## Inv_var_cooc.W.PET	0.5620242347	-0.145349204
## Correlation_cooc.W.PET	0.1541635584	-0.016469041
## Autocorrelation_cooc.W.PET	-0.1307714859	0.583142012
## Tendency_cooc.W.PET	-0.0821448355	0.588494183
## Shade_cooc.W.PET	-0.0334192973	0.256854499
## Prominence_cooc.W.PET	-0.0595485183	0.233278836
## IC1_d.W.PET	0.3386507185	0.176654469
## IC2_d.W.PET	0.3528985886	0.407081625
## Coarseness_vdif.W.PET	1.0000000000	0.291666660
## Contrast_vdif.W.PET	0.2916666600	1.000000000
## Busyness_vdif.W.PET	-0.0778720055	-0.406568517
## Complexity_vdif.W.PET	-0.1082887210	0.433937815
## Strength_vdif.W.PET	0.2536229462	0.613469939
## SRE_align.W.PET	0.4352385723	0.557727937
## LRE_align.W.PET	0.4412385946	0.126094151
## GLNU_align.W.PET	-0.2732516141	-0.247562701
## RLNU_align.W.PET	-0.2663922275	-0.020655188
## RP_align.W.PET	0.4321035031	0.578788737
## LGRE_align.W.PET	0.5627052285	-0.109680482
## HGRE_align.W.PET	-0.1388278445	0.585959250

## LGSRE_align.W.PET	0.5877019118	-0.065525820
## HGSRE_align.W.PET	-0.1379497909	0.591395192
## LGHRE_align.W.PET	0.4224173466	-0.249605406
## HGLRE_align.W.PET	-0.1437185644	0.559586487
## GLNU_norm_align.W.PET	0.6880909045	-0.112432156
## RLNU_norm_align.W.PET	0.4068371320	0.637851239
## GLVAR_align.W.PET	-0.0971973967	0.641427213
## RLVAR_align.W.PET	0.3560103738	-0.336662747
## Entropy_align.W.PET	0.2059514394	0.619752327
## SZSE.W.PET	0.4045285560	0.646643911
## LZSE.W.PET	0.1685523360	-0.320366315
## LGLZE.W.PET	0.5621020339	-0.111342257
## HGLZE.W.PET	-0.1356157481	0.593419348
## SZLGE.W.PET	0.6117103695	0.009739858
## SZHGE.W.PET	-0.1300442475	0.607431506
## LZLGE.W.PET	0.0951143786	-0.261566535
## LZHGE.W.PET	-0.1203849186	0.310028394
## GLNU_area.W.PET	-0.2743008796	-0.169129520
## ZSNU.W.PET	-0.2543765270	0.040140031
## ZSP.W.PET	0.3263926220	0.741990711
## GLNU_norm.W.PET	0.7072874732	-0.109546116
## ZSNU_norm.W.PET	0.3334587636	0.755008170
## GLVAR_area.W.PET	-0.0940057302	0.640077918
## ZSVAR.W.PET	0.1223936310	-0.323799435
## Entropy_area.W.PET	0.2338403078	0.537921552
## Min_hist.ADC	0.3842034781	0.158916110
## Max_hist.ADC	0.3059008662	0.335191002
## Mean_hist.ADC	0.4311337117	0.361838018
## Variance_hist.ADC	0.1606271241	0.084750037
## Standard_Deviation_hist.ADC	0.2801521562	0.256144701
## Skewness_hist.ADC	0.0475418431	0.093837992
## Kurtosis_hist.ADC	0.0544696796	0.123991570
## Energy_hist.ADC	0.8601622557	0.281290854
## Entropy_hist.ADC	0.3130010155	0.441313324
## AUC_hist.ADC	0.4336923740	0.482430898
## Volume.ADC	-0.2911316552	0.002893692
## X3D_surface.ADC	-0.0855910793	0.092343206
## ratio_3ds_vol.ADC	0.6355424379	0.374097025
## ratio_3ds_vol_norm.ADC	0.3362098537	0.425102878
## irregularity.ADC	0.5084399334	0.504054920
## Compactness_v1.ADC	0.8326744488	0.392432672
##	Busyness_vdif.W.PET	Complexity_vdif.W.PET
## Failure	-0.0232801613	-0.111464884
## Entropy_cooc.W.ADC	0.0056216289	0.071422899
## GLNU_align.H.PET	0.0966213093	0.043470034
## Min_hist.PET	-0.3320830286	0.606089100
## Max_hist.PET	-0.3199366985	0.788533927
## Mean_hist.PET	-0.3492079016	0.679734909
## Variance_hist.PET	-0.4141954701	0.936452037
## Standard_Deviation_hist.PET	-0.3500031529	0.792489720
## Skewness_hist.PET	0.1665246267	0.078188542
## Kurtosis_hist.PET	0.0083826227	0.069072224
## Energy_hist.PET	-0.1030525311	-0.012718401
## Entropy_hist.PET	0.2736139294	0.290875835

## AUC_hist.PET	0.2416939089	0.164240872
## H_suv.PET	-0.3708570736	0.648663681
## Volume.PET	0.2216517873	0.332938821
## X3D_surface.PET	0.2088641956	0.293775480
## ratio_3ds_vol.PET	-0.0461990695	-0.048902837
## ratio_3ds_vol_norm.PET	0.0586907454	0.206067393
## irregularity.PET	0.2061256480	0.097837254
## tumor_length.PET	0.1997809700	0.375047067
## Compactness_v1.PET	-0.0375725492	0.105956507
## Compactness_v2.PET	0.0966305052	0.185855668
## Spherical_disproportion.PET	0.0586907454	0.206067393
## Sphericity.PET	0.1713494760	0.159042878
## Asphericity.PET	0.0518711439	0.204082343
## Center_of_mass.PET	0.1667864939	0.536226259
## Max_3D_diam.PET	0.2513900353	0.428502702
## Major_axis_length.PET	0.2187119521	0.494127086
## Minor_axis_length.PET	0.2920540627	0.369394677
## Least_axis_length.PET	0.3034806807	0.393939731
## Elongation.PET	0.1837278758	-0.014395966
## Flatness.PET	0.2291397999	0.032120694
## Max_cooc.L.PET	-0.0858106547	0.034909220
## Average_cooc.L.PET	0.1683805685	0.025772581
## Variance_cooc.L.PET	0.1972325442	-0.114807699
## Entropy_cooc.L.PET	0.2619407135	0.169915975
## DAVE_cooc.L.PET	0.1100119468	-0.054144312
## DVAR_cooc.L.PET	-0.0182161456	0.034511330
## DENT_cooc.L.PET	0.2109524442	0.104463721
## SAVE_cooc.L.PET	0.1685664127	0.025748816
## SVAR_cooc.L.PET	0.3048954210	-0.103257009
## SENT_cooc.L.PET	0.2341465223	0.120262862
## ASM_cooc.L.PET	-0.0921810072	0.032856066
## Contrast_cooc.L.PET	-0.0002573685	-0.117716615
## Dissimilarity_cooc.L.PET	0.1100119468	-0.054144312
## Inv_diff_cooc.L.PET	0.1771401037	0.297765989
## Inv_diff_norm_cooc.L.PET	0.2382679332	0.202485887
## IDM_cooc.L.PET	0.1306264534	0.308145350
## IDM_norm_cooc.L.PET	0.2390951041	0.188474431
## Inv_var_cooc.L.PET	0.1386960957	0.312283845
## Correlation_cooc.L.PET	0.3977129719	0.207912350
## Autocorrelation_cooc.L.PET	0.1488969299	-0.073758687
## Tendency_cooc.L.PET	0.3048954210	-0.103257009
## Shade_cooc.L.PET	0.2800324365	0.010055976
## Prominence_cooc.L.PET	0.3032983696	-0.165863577
## IC1_.L.PET	-0.1445024371	0.114689564
## IC2_.L.PET	0.1961481125	0.059505956
## Coarseness_vdif_.L.PET	-0.0813916486	-0.075612430
## Contrast_vdif_.L.PET	-0.0936740672	-0.139168541
## Busyness_vdif_.L.PET	0.2825412052	0.356139351
## Complexity_vdif_.L.PET	0.0073685929	-0.023437418
## Strength_vdif_.L.PET	-0.0536717801	-0.190527407
## SRE_align.L.PET	0.2292954029	0.163470698
## LRE_align.L.PET	0.2361875763	0.208070806
## GLNU_align.L.PET	0.2108082307	0.396079975
## RLNU_align.L.PET	0.2258281303	0.380318194

## RP_align.L.PET	0.2290582023	0.159607129
## LGRE_align.L.PET	0.0548894048	0.093602504
## HGRE_align.L.PET	0.1141728522	-0.060995394
## LGSRE_align.L.PET	0.0534252905	0.089954265
## HGSRE_align.L.PET	0.1116538943	-0.064383496
## LGHRE_align.L.PET	0.0595199577	0.109326146
## HGLRE_align.L.PET	0.1238916483	-0.046665191
## GLNU_norm_align.L.PET	0.0048636842	0.095523241
## RLNU_norm_align.L.PET	0.2271420940	0.147648225
## GLVAR_align.L.PET	0.2023788037	-0.097429642
## RLVAR_align.L.PET	0.0329269101	0.262143982
## Entropy_align.L.PET	0.2549538595	0.178515598
## SZSE.L.PET	0.2109771384	0.156002498
## LZSE.L.PET	0.1844026672	0.205326162
## LGLZE.L.PET	0.0512240542	0.087069137
## HGLZE.L.PET	0.1112005960	-0.056574873
## SZLGE.L.PET	0.0379962975	0.074640287
## SZHGE.L.PET	0.0967868541	-0.056175076
## LZLGE.L.PET	0.0775204596	0.171015804
## LZHGE.L.PET	0.1358607236	-0.030184012
## GLNU_area.L.PET	0.2177965227	0.390127718
## ZSNU.L.PET	0.2309517725	0.368808397
## ZSP.L.PET	0.2148882561	0.136657014
## GLNU_norm.L.PET	0.0054517858	0.093492508
## ZSNU_norm.L.PET	0.2044275860	0.115728718
## GLVAR_area.L.PET	0.1909567918	-0.087849579
## ZSVAR.L.PET	0.0608493049	0.355839139
## Entropy_area.L.PET	0.2601392160	0.198072505
## Max_cooc.H.PET	0.5084332169	-0.334993985
## Average_cooc.H.PET	0.3578908370	0.042334195
## Variance_cooc.H.PET	-0.0785087559	0.379544895
## Entropy_cooc.H.PET	0.0317849299	0.381191405
## DAVE_cooc.H.PET	-0.0600300540	0.238586036
## DVAR_cooc.H.PET	-0.0325190748	0.210476056
## DENT_cooc.H.PET	0.0719241134	0.210419997
## SAVE_cooc.H.PET	0.3077838554	0.089283877
## SVAR_cooc.H.PET	0.0532775694	0.322797701
## SENT_cooc.H.PET	-0.2434819080	0.357462484
## ASM_cooc.H.PET	0.4335384990	-0.292184439
## Contrast_cooc.H.PET	-0.1441234378	0.234332035
## Dissimilarity_cooc.H.PET	-0.0600300540	0.238586036
## Inv_diff_cooc.H.PET	0.6014530151	-0.216223992
## Inv_diff_norm_cooc.H.PET	0.2802150715	0.153673943
## IDM_cooc.H.PET	0.6278193778	-0.291509422
## IDM_norm_cooc.H.PET	0.2566440826	0.165657428
## Inv_var_cooc_.H.PET	-0.2000158335	0.352226590
## Correlation_cooc.H.PET	0.3123692035	0.265765221
## Autocorrelation_cooc.H.PET	0.4458375983	-0.048062213
## Tendency_cooc.H.PET	-0.0360354086	0.424067142
## Shade_cooc.H.PET	0.2505727892	-0.151909471
## Prominence_cooc.H.PET	-0.2102592913	0.519463264
## IC1_d.H.PET	-0.5225274591	-0.013482421
## IC2_d.H.PET	0.2598930852	0.315248599
## Coarseness_vdif.H.PET	-0.1113676845	0.022655034

## Contrast_vdif.H.PET	0.3230705412	-0.304873997
## Busyness_vdif.H.PET	0.3674817311	0.008022373
## Complexity_vdif.H.PET	-0.1503894840	0.047487983
## Strength_vdif.H.PET	0.0406676698	-0.103802402
## SRE_align.H.PET	0.0635308286	0.273122941
## LRE_align.H.PET	0.6676030344	-0.195104424
## RLNU_align.H.PET	0.1331723775	0.462299759
## RP_align.H.PET	0.0243222123	0.293791979
## LGRE_align.H.PET	-0.1240874240	0.084512501
## HGRE_align.H.PET	0.4234946327	-0.027887364
## LGSRE_align.H.PET	-0.1251154130	0.083347460
## HGSRE_align.H.PET	0.2478591434	0.089790507
## LGHRE_align.H.PET	-0.1095096820	0.085276889
## HGLRE_align.H.PET	0.6903519120	-0.274682685
## GLNU_norm_align.H.PET	0.5777765874	-0.368678367
## RLNU_norm_align.H.PET	-0.0845554891	0.356406040
## GLVAR_align.H.PET	-0.1041688864	0.396681295
## RLVAR_align.H.PET	0.7179282498	-0.322152866
## Entropy_align.H.PET	0.0378166637	0.452491810
## SZSE.H.PET	-0.1256605669	0.404448805
## LZSE.H.PET	0.3912195929	-0.129233889
## LGLZE.H.PET	-0.1269604663	0.087505617
## HGLZE.H.PET	0.4077141419	0.004040752
## SZLGE.H.PET	-0.1262915671	0.082750298
## SZHGE.H.PET	0.0090021011	0.239884914
## LZLGE.H.PET	0.4180927222	-0.151574426
## LZHGE.H.PET	0.4137578893	-0.153931898
## GLNU_area.H.PET	0.2716830958	0.293268998
## ZSNU.H.PET	0.0342039622	0.540535097
## ZSP.H.PET	-0.3450848475	0.506625672
## GLNU_norm.H.PET	0.6087501058	-0.370459220
## ZSNU_norm.H.PET	-0.2912266344	0.498604313
## GLVAR_area.H.PET	-0.1199241955	0.392154265
## ZSVAR.H.PET	0.4059511342	-0.146083001
## Entropy_area.H.PET	0.1673408439	0.330344460
## Max_cooc.W.PET	0.3065171438	-0.242065063
## Average_cooc.W.PET	-0.3442530092	0.741018198
## Variance_cooc.W.PET	-0.4153928906	0.925747995
## Entropy_cooc.W.PET	-0.0849089729	0.490895891
## DAVE_cooc.W.PET	-0.3835487070	0.672275293
## DVAR_cooc.W.PET	-0.4540397082	0.853305182
## DENT_cooc.W.PET	-0.1421688009	0.484765359
## SAVE_cooc.W.PET	-0.3441346515	0.741123009
## SVAR_cooc.W.PET	-0.3822489661	0.943648933
## SENT_cooc.W.PET	-0.0523734532	0.439873823
## ASM_cooc.W.PET	0.2018447689	-0.163331134
## Contrast_cooc.W.PET	-0.4649566700	0.796162370
## Dissimilarity_cooc.W.PET	-0.3835487070	0.672275293
## Inv_diff_cooc.W.PET	0.5755634713	-0.236870270
## Inv_diff_norm_cooc.W.PET	0.2428579050	0.197193751
## IDM_cooc.W.PET	0.6198106878	-0.313219045
## IDM_norm_cooc.W.PET	0.2392687634	0.186812712
## Inv_var_cooc.W.PET	0.5935269180	-0.285810573
## Correlation_cooc.W.PET	0.3829823109	0.218252030

## Autocorrelation_cooc.W.PET	-0.4074780612	0.868309935
## Tendency_cooc.W.PET	-0.3822489661	0.943648933
## Shade_cooc.W.PET	-0.2098433961	0.827379020
## Prominence_cooc.W.PET	-0.2204396904	0.855812863
## IC1_d.W.PET	-0.3870187494	-0.096692690
## IC2_d.W.PET	0.1745498502	0.333036396
## Coarseness_vdif.W.PET	-0.0778720055	-0.108288721
## Contrast_vdif.W.PET	-0.4065685171	0.433937815
## Busyness_vdif.W.PET	1.0000000000	-0.343892391
## Complexity_vdif.W.PET	-0.3438923914	1.0000000000
## Strength_vdif.W.PET	-0.3728111416	0.399771178
## SRE_align.W.PET	0.1524557778	0.223917155
## LRE_align.W.PET	0.5412870984	-0.058281708
## GLNU_align.W.PET	0.4742091319	0.127066497
## RLNU_align.W.PET	0.1735015041	0.428151140
## RP_align.W.PET	0.1268535396	0.238325221
## LGRE_align.W.PET	0.5624247831	-0.350132025
## HGRE_align.W.PET	-0.4076874847	0.875406139
## LGSRE_align.W.PET	0.5392057909	-0.339396796
## HGSRE_align.W.PET	-0.4124187234	0.877917817
## LGHRE_align.W.PET	0.6199418238	-0.358826053
## HGLRE_align.W.PET	-0.3844865314	0.862830352
## GLNU_norm_align.W.PET	0.4962651644	-0.334539154
## RLNU_norm_align.W.PET	0.0560283853	0.283800626
## GLVAR_align.W.PET	-0.4139124500	0.938110007
## RLVAR_align.W.PET	0.6687416778	-0.308038196
## Entropy_align.W.PET	0.0153544686	0.451591953
## SZSE.W.PET	0.0169851054	0.308435110
## LZSE.W.PET	0.5902010145	-0.263063801
## LGLZE.W.PET	0.5805638416	-0.352694926
## HGLZE.W.PET	-0.4106754679	0.885448223
## SZLGE.W.PET	0.4801595910	-0.297407643
## SZHGE.W.PET	-0.4216964932	0.892512180
## LZLGE.W.PET	0.4655718834	-0.203066011
## LZHGE.W.PET	-0.1585103025	0.632193734
## GLNU_area.W.PET	0.3876098952	0.201011510
## ZSNU.W.PET	0.1047638435	0.483876953
## ZSP.W.PET	-0.1324710270	0.393278619
## GLNU_norm.W.PET	0.5110968068	-0.337024642
## ZSNU_norm.W.PET	-0.1517807098	0.408003496
## GLVAR_area.W.PET	-0.4160612072	0.940176987
## ZSVAR.W.PET	0.5369829035	-0.246066255
## Entropy_area.W.PET	0.1301052095	0.376469472
## Min_hist.ADC	0.0016595609	0.028020838
## Max_hist.ADC	0.2399788174	0.197415949
## Mean_hist.ADC	0.1739369810	0.113752194
## Variance_hist.ADC	0.2393438125	0.117827358
## Standard_Deviation_hist.ADC	0.2634139962	0.159264945
## Skewness_hist.ADC	0.1127991946	0.203313817
## Kurtosis_hist.ADC	-0.0091836982	0.162327976
## Energy_hist.ADC	-0.0726006513	0.019970445
## Entropy_hist.ADC	0.2174629182	0.206801877
## AUC_hist.ADC	0.2370155519	0.200985356
## Volume.ADC	0.2220444803	0.314340659

## X3D_surface.ADC	0.2121975161	0.173888377	
## ratio_3ds_vol.ADC	0.1299132187	0.010991246	
## ratio_3ds_vol_norm.ADC	0.2691196704	0.169080129	
## irregularity.ADC	0.2098564417	0.161287323	
## Compactness_v1.ADC	0.0068111081	0.076354487	
##	Strength_vdif.W.PET	SRE_align.W.PET	LRE_align.W.PET
## Failure	0.005918543	-0.004035808	0.02449934
## Entropy_cooc.W.ADC	-0.034623197	0.018041628	0.06389135
## GLNU_align.H.PET	-0.144644180	-0.053683107	0.02967927
## Min_hist.PET	0.464696270	0.599759054	0.16858476
## Max_hist.PET	0.456052395	0.611069105	0.20224812
## Mean_hist.PET	0.421440955	0.601443437	0.16553391
## Variance_hist.PET	0.482834750	0.331649274	-0.04450102
## Standard_Deviation_hist.PET	0.493064200	0.609134152	0.17792895
## Skewness_hist.PET	0.419381854	0.522675583	0.51124976
## Kurtosis_hist.PET	0.252443864	0.142144118	0.16977912
## Energy_hist.PET	0.233319757	0.442493742	0.40449356
## Entropy_hist.PET	0.152192089	0.870327622	0.74767849
## AUC_hist.PET	0.249100353	0.987525651	0.87055316
## H_suv.PET	0.445320482	0.637404594	0.18432565
## Volume.PET	-0.108797067	0.335414595	0.23812460
## X3D_surface.PET	-0.071951184	0.227173801	0.18076675
## ratio_3ds_vol.PET	0.412894194	0.560282886	0.54225296
## ratio_3ds_vol_norm.PET	0.276196300	0.572742009	0.56207797
## irregularity.PET	0.321642787	0.957475277	0.85563379
## tumor_length.PET	0.049029607	0.602720188	0.52596249
## Compactness_v1.PET	0.144474574	0.556424899	0.46557493
## Compactness_v2.PET	-0.118837397	0.246168061	0.12272311
## Spherical_disproportion.PET	0.276196300	0.572742009	0.56207797
## Sphericity.PET	-0.130441778	0.244023593	0.12638315
## Asphericity.PET	0.273081089	0.550823403	0.54408275
## Center_of_mass.PET	0.202902994	0.373233630	0.33217879
## Max_3D_diam.PET	-0.086115298	0.471513764	0.34871224
## Major_axis_length.PET	-0.047506100	0.518833686	0.38082178
## Minor_axis_length.PET	-0.028858427	0.661934934	0.55986928
## Least_axis_length.PET	-0.063815116	0.563850631	0.45482991
## Elongation.PET	0.185026097	0.847284265	0.77144527
## Flatness.PET	0.153880711	0.787440812	0.70013595
## Max_cooc.L.PET	0.230362928	0.465046903	0.43813445
## Average_cooc.L.PET	0.095074538	0.810527729	0.68950627
## Variance_cooc.L.PET	0.248734926	0.646376308	0.54731414
## Entropy_cooc.L.PET	0.176945553	0.977679229	0.83896494
## DAVE_cooc.L.PET	0.230283041	0.769370666	0.58541435
## DVAR_cooc.L.PET	0.326284164	0.692357503	0.46863809
## DENT_cooc.L.PET	0.252114933	0.970513865	0.81499868
## SAVE_cooc.L.PET	0.094880937	0.810340624	0.68931331
## SVAR_cooc.L.PET	0.245101872	0.641969968	0.61241229
## SENT_cooc.L.PET	0.261987131	0.967079169	0.86049362
## ASM_cooc.L.PET	0.203271861	0.438897957	0.40283296
## Contrast_cooc.L.PET	0.220985397	0.566289826	0.37017998
## Dissimilarity_cooc.L.PET	0.230283041	0.769370666	0.58541435
## Inv_diff_cooc.L.PET	0.242512630	0.838970695	0.78631730
## Inv_diff_norm_cooc.L.PET	0.248034422	0.985652680	0.87396958
## IDM_cooc.L.PET	0.242126916	0.749159940	0.71631415

## IDM_norm_cooc.L.PET	0.247911751	0.990108303	0.87348897
## Inv_var_cooc.L.PET	0.235618199	0.754511975	0.71607382
## Correlation_cooc.L.PET	0.122998293	0.617736351	0.73328749
## Autocorrelation_cooc.L.PET	0.015860816	0.598832426	0.53666971
## Tendency_cooc.L.PET	0.245101872	0.641969968	0.61241229
## Shade_cooc.L.PET	0.422392972	0.309427253	0.34811735
## Prominence_cooc.L.PET	0.293645110	0.444761251	0.46677007
## IC1_.L.PET	-0.321388510	-0.333244744	-0.38802802
## IC2_.L.PET	0.348341715	0.883949330	0.82732201
## Coarseness_vdif_.L.PET	0.284180955	0.468353416	0.46302475
## Contrast_vdif_.L.PET	0.178683109	0.244582615	0.13900748
## Busyness_vdif_.L.PET	-0.099086781	0.325139559	0.21797375
## Complexity_vdif_.L.PET	0.312486121	0.735119486	0.52332970
## Strength_vdif_.L.PET	0.482549593	0.281621955	0.30551836
## SRE_align.L.PET	0.255057094	0.993803992	0.86440467
## LRE_align.L.PET	0.246574198	0.983047148	0.87249240
## GLNU_align.L.PET	-0.084689569	0.267054632	0.18537214
## RLNU_align.L.PET	-0.158821387	0.245134431	0.14994497
## RP_align.L.PET	0.254993645	0.993609270	0.86419446
## LGRE_align.L.PET	0.503588807	0.625946756	0.55587838
## HGRE_align.L.PET	0.011467873	0.624213879	0.53756455
## LGSRE_align.L.PET	0.502671506	0.631273352	0.55805042
## HGSRE_align.L.PET	0.016014034	0.623077917	0.53430123
## LGHRE_align.L.PET	0.502518164	0.601374337	0.54439963
## HGLRE_align.L.PET	-0.007208874	0.626941690	0.54942820
## GLNU_norm_align.L.PET	0.340469648	0.671901487	0.61595635
## RLNU_norm_align.L.PET	0.255190263	0.992387007	0.86197590
## GLVAR_align.L.PET	0.188550453	0.673539448	0.57090288
## RLVAR_align.L.PET	0.210567287	0.632960575	0.60173161
## Entropy_align.L.PET	0.183140416	0.980581950	0.84928187
## SZSE.L.PET	0.262332914	0.975712163	0.82766935
## LZSE.L.PET	0.146628218	0.674402150	0.66395020
## LGLZE.L.PET	0.490283070	0.637821703	0.56461491
## HGLZE.L.PET	0.025000920	0.634603783	0.54299460
## SZLGE.L.PET	0.478109857	0.649318973	0.56277677
## SZHGE.L.PET	0.049411037	0.633055712	0.52381388
## LZLGE.L.PET	0.463412177	0.496933003	0.48728526
## LZHGE.L.PET	-0.071592259	0.507175850	0.49931358
## GLNU_area.L.PET	-0.093338273	0.269741886	0.18104026
## ZSNU.L.PET	-0.166128915	0.247880508	0.14326272
## ZSP.L.PET	0.261090619	0.981051555	0.83814015
## GLNU_norm.L.PET	0.334162120	0.672252093	0.61607434
## ZSNU_norm.L.PET	0.262494870	0.981677710	0.84620214
## GLVAR_area.L.PET	0.196746616	0.685077067	0.57869320
## ZSVAR.L.PET	0.137939853	0.436920976	0.43938403
## Entropy_area.L.PET	0.182366196	0.980963046	0.85071510
## Max_cooc.H.PET	-0.069846050	0.223655258	0.63717820
## Average_cooc.H.PET	0.206932455	0.948151550	0.92702361
## Variance_cooc.H.PET	0.255003325	0.892310979	0.57750930
## Entropy_cooc.H.PET	0.358914234	0.869522990	0.56973168
## DAVE_cooc.H.PET	0.276940456	0.917361030	0.58114266
## DVAR_cooc.H.PET	0.197608048	0.881149626	0.61150108
## DENT_cooc.H.PET	0.167556677	0.794161101	0.57884848
## SAVE_cooc.H.PET	0.227748564	0.963830543	0.89644103

## SVAR_cooc.H.PET	0.230613327	0.857832977	0.66498213
## SENT_cooc.H.PET	0.461416826	0.732745763	0.43847837
## ASM_cooc.H.PET	-0.093916699	0.213721926	0.60977137
## Contrast_cooc.H.PET	0.238355404	0.829712733	0.47489506
## Dissimilarity_cooc.H.PET	0.276940456	0.917361030	0.58114266
## Inv_diff_cooc.H.PET	-0.035633374	0.592496733	0.92108260
## Inv_diff_norm_cooc.H.PET	0.240765390	0.981368301	0.90005220
## IDM_cooc.H.PET	-0.094986974	0.480088852	0.86793742
## IDM_norm_cooc.H.PET	0.250361367	0.988577647	0.88312924
## Inv_var_cooc.H.PET	0.394267715	0.616939660	0.42589882
## Correlation_cooc.H.PET	0.159987103	0.635106326	0.69624691
## Autocorrelation_cooc.H.PET	0.160266895	0.873746057	0.94987871
## Tendency_cooc.H.PET	0.241181225	0.846327274	0.58127618
## Shade_cooc.H.PET	-0.042690976	-0.441204382	-0.24128235
## Prominence_cooc.H.PET	0.184975087	0.648176947	0.32922409
## IC1_d.H.PET	0.069872243	-0.048872067	-0.37265609
## IC2_d.H.PET	0.281461026	0.762794372	0.74588558
## Coarseness_vdif.H.PET	0.232410362	0.433305801	0.39403645
## Contrast_vdif.H.PET	-0.176626157	0.228626229	0.48177039
## Busyness_vdif.H.PET	-0.159757697	0.121406814	0.08660746
## Complexity_vdif.H.PET	0.299714841	0.679617458	0.49486746
## Strength_vdif.H.PET	0.045722565	-0.003222541	0.14745718
## SRE_align.H.PET	0.331533215	0.993000962	0.73520314
## LRE_align.H.PET	-0.083615720	0.555566098	0.91642279
## RLNU_align.H.PET	-0.126298968	0.254861128	0.10376271
## RP_align.H.PET	0.349453957	0.986119684	0.70429797
## LGRE_align.H.PET	0.200780011	0.462006655	0.39424439
## HGRE_align.H.PET	0.144644470	0.880457111	0.94602795
## LGSRE_align.H.PET	0.201084709	0.459659082	0.39188442
## HGSRE_align.H.PET	0.261322794	0.954933196	0.85317718
## LGHRE_align.H.PET	0.195091774	0.473240984	0.41328919
## HGLRE_align.H.PET	-0.163117063	0.342338036	0.81560107
## GLNU_norm_align.H.PET	-0.062093218	0.431251947	0.77876207
## RLNU_norm_align.H.PET	0.394062275	0.951248258	0.60012782
## GLVAR_align.H.PET	0.229086627	0.860797750	0.54290107
## RLVAR_align.H.PET	-0.223105832	0.183980664	0.71139374
## Entropy_align.H.PET	0.300252008	0.926346953	0.66792881
## SZSE.H.PET	0.431972420	0.903177948	0.54042900
## LZSE.H.PET	-0.102201498	-0.112613598	0.26291862
## LGLZE.H.PET	0.199683082	0.463010656	0.39349699
## HGLZE.H.PET	0.178577741	0.837118586	0.87892118
## SZLGE.H.PET	0.201338338	0.456538336	0.38861547
## SZHGE.H.PET	0.464853354	0.855873648	0.62095032
## LZLGE.H.PET	-0.114327441	-0.057977605	0.35183236
## LZHGE.H.PET	-0.129584260	-0.113388298	0.31101259
## GLNU_area.H.PET	-0.150338538	0.281866736	0.17141533
## ZSNU.H.PET	-0.090444731	0.234607625	0.03919362
## ZSP.H.PET	0.489478940	0.746906058	0.26801741
## GLNU_norm.H.PET	-0.089190342	0.444524040	0.78472533
## ZSNU_norm.H.PET	0.507938438	0.790069595	0.36156634
## GLVAR_area.H.PET	0.218570095	0.840594945	0.52006261
## ZSVAR.H.PET	-0.121182742	-0.115273898	0.28778547
## Entropy_area.H.PET	0.216282538	0.955217734	0.77450864
## Max_cooc.W.PET	0.002502727	0.281684385	0.59047749

## Average_cooc.W.PET	0.363879718	0.595027692	0.17959066
## Variance_cooc.W.PET	0.538937755	0.331767612	-0.04596090
## Entropy_cooc.W.PET	0.358035129	0.902880421	0.54626696
## DAVE_cooc.W.PET	0.512512575	0.630245423	0.16204475
## DVAR_cooc.W.PET	0.534544896	0.371652145	-0.04319629
## DENT_cooc.W.PET	0.430702125	0.894080644	0.50571560
## SAVE_cooc.W.PET	0.363570974	0.594286808	0.17883257
## SVAR_cooc.W.PET	0.523842871	0.300500001	-0.04439345
## SENT_cooc.W.PET	0.418717816	0.931501222	0.62294111
## ASM_cooc.W.PET	0.040217222	0.332154118	0.56397645
## Contrast_cooc.W.PET	0.530089539	0.383471174	-0.04644996
## Dissimilarity_cooc.W.PET	0.512512575	0.630245423	0.16204475
## Inv_diff_cooc.W.PET	-0.042231766	0.680378810	0.94437864
## Inv_diff_norm_cooc.W.PET	0.245689930	0.985124401	0.87796350
## IDM_cooc.W.PET	-0.109658860	0.533594724	0.88928377
## IDM_norm_cooc.W.PET	0.247626398	0.990166676	0.87402969
## Inv_var_cooc.W.PET	-0.084643007	0.612954112	0.90367199
## Correlation_cooc.W.PET	0.132518145	0.619218539	0.72393095
## Autocorrelation_cooc.W.PET	0.331332504	0.326401787	-0.03810484
## Tendency_cooc.W.PET	0.523842871	0.300500001	-0.04439345
## Shade_cooc.W.PET	0.434482234	0.075727780	-0.07686508
## Prominence_cooc.W.PET	0.353974308	0.042968503	-0.10140633
## IC1_d.W.PET	-0.144358704	-0.083067163	-0.32163656
## IC2_d.W.PET	0.414796974	0.838549999	0.76809234
## Coarseness_vdif.W.PET	0.253622946	0.435238572	0.44123859
## Contrast_vdif.W.PET	0.613469939	0.557727937	0.12609415
## Busyness_vdif.W.PET	-0.372811142	0.152455778	0.54128710
## Complexity_vdif.W.PET	0.399771178	0.223917155	-0.05828171
## Strength_vdif.W.PET	1.000000000	0.294383980	0.05311235
## SRE_align.W.PET	0.294383980	1.000000000	0.80788801
## LRE_align.W.PET	0.053112354	0.807888013	1.00000000
## GLNU_align.W.PET	-0.201938245	0.245648269	0.30953703
## RLNU_align.W.PET	-0.137672292	0.250980660	0.12457264
## RP_align.W.PET	0.306013436	0.999389077	0.78814188
## LGRE_align.W.PET	0.054256391	0.424653947	0.72364201
## HGRE_align.W.PET	0.316615869	0.329733835	-0.03864866
## LGSRE_align.W.PET	0.083686297	0.466451157	0.72827034
## HGSRE_align.W.PET	0.324353982	0.326027659	-0.04458983
## LGHRE_align.W.PET	-0.048955678	0.245550476	0.66987353
## HGLRE_align.W.PET	0.282932788	0.343573946	-0.01109905
## GLNU_norm_align.W.PET	-0.018073516	0.438580445	0.75676838
## RLNU_norm_align.W.PET	0.340368252	0.991218056	0.72849974
## GLVAR_align.W.PET	0.480152686	0.331311224	-0.04412828
## RLVAR_align.W.PET	-0.184339017	0.261015941	0.76380240
## Entropy_align.W.PET	0.306350968	0.932361897	0.65160367
## SZSE.W.PET	0.359441818	0.969195608	0.68632978
## LZSE.W.PET	-0.193098603	0.037410174	0.55156937
## LGLZE.W.PET	0.025995867	0.447275660	0.75516912
## HGLZE.W.PET	0.340680422	0.333656215	-0.03733222
## SZLGE.W.PET	0.094641557	0.538238408	0.74828415
## SZHGE.W.PET	0.371387990	0.322984965	-0.05367908
## LZLGE.W.PET	-0.129607371	-0.072018151	0.35952317
## LZHGE.W.PET	0.088473921	0.324592140	0.19404354
## GLNU_area.W.PET	-0.176849605	0.269995557	0.24926574

## ZSNU.W.PET	-0.112782463	0.246906381	0.08024813
## ZSP.W.PET	0.414473440	0.920001768	0.53867077
## GLNU_norm.W.PET	-0.030920126	0.457442334	0.77618469
## ZSNU_norm.W.PET	0.434129287	0.914867817	0.54489345
## GLVAR_area.W.PET	0.488583600	0.334861926	-0.03939086
## ZSVAR.W.PET	-0.188345523	-0.044751639	0.45852751
## Entropy_area.W.PET	0.254999943	0.954949285	0.74345072
## Min_hist.ADC	0.141802812	0.326991275	0.31515838
## Max_hist.ADC	0.195105062	0.873252742	0.76946320
## Mean_hist.ADC	0.266297345	0.860616180	0.75917839
## Variance_hist.ADC	0.089060187	0.435204284	0.44222054
## Standard_Deviation_hist.ADC	0.175469790	0.713712660	0.66200960
## Skewness_hist.ADC	-0.007030471	0.224649502	0.20750370
## Kurtosis_hist.ADC	0.081125637	0.277903441	0.20980390
## Energy_hist.ADC	0.189103585	0.450756796	0.42057869
## Entropy_hist.ADC	0.231527816	0.947861558	0.81181316
## AUC_hist.ADC	0.228357141	0.972745007	0.83617888
## Volume.ADC	-0.119399391	0.322316935	0.22751679
## X3D_surface.ADC	-0.041943725	0.429121278	0.34008815
## ratio_3ds_vol.ADC	0.227928500	0.643627261	0.60237941
## ratio_3ds_vol_norm.ADC	0.229647382	0.936385188	0.79681647
## irregularity.ADC	0.246048656	0.955045281	0.83522827
## Compactness_v1.ADC	0.231042174	0.686024513	0.62546327
##	GLNU_align.W.PET	RLNU_align.W.PET	RP_align.W.PET
## Failure	-0.1725553209	-0.1913390935	-0.006583887
## Entropy_cooc.W.ADC	0.1494839005	0.1477221303	0.015464351
## GLNU_align.H.PET	0.2991021818	0.2863162805	-0.057791181
## Min_hist.PET	0.1000663220	0.3777587280	0.618886303
## Max_hist.PET	0.2797687193	0.5405300701	0.627799983
## Mean_hist.PET	0.1371032092	0.4358952104	0.620756360
## Variance_hist.PET	0.0701742452	0.4109430286	0.350766744
## Standard_Deviation_hist.PET	0.1680403189	0.4569468798	0.627765272
## Skewness_hist.PET	0.1864695404	0.0206928208	0.515730766
## Kurtosis_hist.PET	0.2255809049	0.0425963099	0.136887543
## Energy_hist.PET	-0.1582426115	-0.1476061712	0.440204226
## Entropy_hist.PET	0.5125170888	0.4812529094	0.866139538
## AUC_hist.PET	0.2864223867	0.2437222963	0.982670203
## H_suv.PET	0.0158324763	0.2866904515	0.657601800
## Volume.PET	0.6493013614	0.6837147620	0.334615443
## X3D_surface.PET	0.8012712012	0.8758885242	0.225298234
## ratio_3ds_vol.PET	-0.2567499961	-0.2866303412	0.556622934
## ratio_3ds_vol_norm.PET	0.1730193137	0.1559695513	0.566118736
## irregularity.PET	0.1324602181	0.0906769660	0.952766484
## tumor_length.PET	0.6712286141	0.7138122256	0.598339531
## Compactness_v1.PET	0.0275813132	0.0578459672	0.554570248
## Compactness_v2.PET	0.2522941947	0.3201112607	0.248945755
## Spherical_disproportion.PET	0.1730193137	0.1559695513	0.566118736
## Sphericity.PET	0.3073349836	0.3382623929	0.246705799
## Asphericity.PET	0.1671350947	0.1508339209	0.544216585
## Center_of_mass.PET	0.5514093556	0.6459247531	0.370249929
## Max_3D_diam.PET	0.7590227507	0.8214470090	0.470755577
## Major_axis_length.PET	0.7296615217	0.8467584867	0.518697926
## Minor_axis_length.PET	0.7717181217	0.7577042321	0.657578026
## Least_axis_length.PET	0.8151375071	0.8329689687	0.561310379

## Elongation.PET	0.1423244148	0.0312340165	0.842095748
## Flatness.PET	0.2384657775	0.1479102455	0.783637422
## Max_cooc.L.PET	-0.0857946380	-0.0908543030	0.461372667
## Average_cooc.L.PET	-0.0296394989	0.0265156298	0.810176982
## Variance_cooc.L.PET	-0.2733176480	-0.2432410512	0.647243500
## Entropy_cooc.L.PET	0.2632187930	0.2537840279	0.974335706
## DAVE_cooc.L.PET	-0.1972587431	-0.1558291544	0.773339725
## DVAR_cooc.L.PET	-0.1878793828	-0.1464395086	0.699415891
## DENT_cooc.L.PET	0.1160192097	0.1146113352	0.969078516
## SAVE_cooc.L.PET	-0.0295338697	0.0266317138	0.809993243
## SVAR_cooc.L.PET	-0.2007129867	-0.1930538220	0.638517906
## SENT_cooc.L.PET	0.1806247309	0.1557158894	0.962645370
## ASM_cooc.L.PET	-0.0853452561	-0.0808483533	0.435868576
## Contrast_cooc.L.PET	-0.3518289577	-0.2901988761	0.573900960
## Dissimilarity_cooc.L.PET	-0.1972587431	-0.1558291544	0.773339725
## Inv_diff_cooc.L.PET	0.4821188422	0.4034729644	0.830907619
## Inv_diff_norm_cooc.L.PET	0.3277641212	0.2861084834	0.980319042
## IDM_cooc.L.PET	0.4799030785	0.3937615880	0.740911945
## IDM_norm_cooc.L.PET	0.3017752773	0.2647441108	0.985159817
## Inv_var_cooc.L.PET	0.4803718944	0.3979138486	0.745827775
## Correlation_cooc.L.PET	0.5200111895	0.4246819797	0.602203442
## Autocorrelation_cooc.L.PET	-0.1656714574	-0.1023752730	0.598109713
## Tendency_cooc.L.PET	-0.2007129867	-0.1930538220	0.638517906
## Shade_cooc.L.PET	-0.1095651226	-0.1630585757	0.304067706
## Prominence_cooc.L.PET	-0.3158100309	-0.3279701769	0.440456516
## IC1_.L.PET	0.2200298328	0.2490894235	-0.329925361
## IC2_.L.PET	0.0198682381	-0.0088128158	0.878497625
## Coarseness_vdif_.L.PET	-0.2520101718	-0.2473367587	0.464856630
## Contrast_vdif_.L.PET	-0.2800588339	-0.2431204640	0.250240064
## Busyness_vdif_.L.PET	0.8812534043	0.9157322360	0.325435632
## Complexity_vdif_.L.PET	-0.2205250681	-0.1735253140	0.740955238
## Strength_vdif_.L.PET	-0.3715012096	-0.3954908956	0.279719175
## SRE_align.L.PET	0.2465875231	0.2183873088	0.989718847
## LRE_align.L.PET	0.3356632778	0.2925463510	0.978295800
## GLNU_align.L.PET	0.9053651253	0.9538610552	0.266640866
## RLNU_align.L.PET	0.8907824143	0.9955546919	0.246228632
## RP_align.L.PET	0.2410290770	0.2134212085	0.989608204
## LGRE_align.L.PET	0.1174947597	0.0085248609	0.621263541
## HGRE_align.L.PET	-0.1641127516	-0.0924580637	0.624942800
## LGSRE_align.L.PET	0.1091138530	0.0033081831	0.626707960
## HGSRE_align.L.PET	-0.1721174997	-0.1004562672	0.623887696
## LGHRE_align.L.PET	0.1508243548	0.0298722166	0.596227419
## HGLRE_align.L.PET	-0.1301571501	-0.0588771491	0.627372961
## GLNU_norm_align.L.PET	0.0739956219	0.0159100446	0.666852582
## RLNU_norm_align.L.PET	0.2211673016	0.1958867559	0.988663308
## GLVAR_align.L.PET	-0.2350917526	-0.1963154652	0.674221329
## RLVAR_align.L.PET	0.3328318027	0.2839193604	0.626243708
## Entropy_align.L.PET	0.2705872036	0.2622206837	0.976929114
## SZSE.L.PET	0.2055743763	0.1897132114	0.971405704
## LZSE.L.PET	0.3798923060	0.3078091793	0.672120874
## LGLZE.L.PET	0.1180050633	0.0091442076	0.633190439
## HGLZE.L.PET	-0.1645927760	-0.0937725027	0.635532015
## SZLGE.L.PET	0.0857183739	-0.0097522489	0.644796680
## SZHGE.L.PET	-0.1859742422	-0.1124088395	0.633891617

## LZLGE.L.PET	0.2333226005	0.0867699248	0.491889405
## LZHGE.L.PET	-0.0364760040	0.0121696223	0.508652694
## GLNU_area.L.PET	0.9071259832	0.9633976361	0.269299057
## ZSNU.L.PET	0.8815658561	0.9916787435	0.249013390
## ZSP.L.PET	0.1905686943	0.1750410797	0.977106842
## GLNU_norm.L.PET	0.0751096658	0.0182158864	0.667187425
## ZSNU_norm.L.PET	0.1660471053	0.1521570858	0.978652440
## GLVAR_area.L.PET	-0.2335620006	-0.1949812033	0.685878337
## ZSVAR.L.PET	0.4493110090	0.3684845240	0.433466606
## Entropy_area.L.PET	0.3011348017	0.2872878122	0.977079472
## Max_cooc.H.PET	-0.0562656131	-0.2672050284	0.198661627
## Average_cooc.H.PET	0.2198239551	0.1273594335	0.938499689
## Variance_cooc.H.PET	0.2985385912	0.4065189341	0.900497439
## Entropy_cooc.H.PET	0.1861886312	0.2728512858	0.876165637
## DAVE_cooc.H.PET	0.1251839737	0.2019789511	0.926728383
## DVAR_cooc.H.PET	0.1148632281	0.1824516404	0.887815023
## DENT_cooc.H.PET	0.3341014405	0.3783139179	0.796573647
## SAVE_cooc.H.PET	0.2508326179	0.1750269745	0.956375425
## SVAR_cooc.H.PET	0.3968371815	0.4410098896	0.859038740
## SENT_cooc.H.PET	0.0378946447	0.1642510657	0.742189064
## ASM_cooc.H.PET	-0.0568864135	-0.2367980949	0.190293396
## Contrast_cooc.H.PET	0.0496305599	0.1539468251	0.841876441
## Dissimilarity_cooc.H.PET	0.1251839737	0.2019789511	0.926728383
## Inv_diff_cooc.H.PET	0.2122881095	-0.0247141510	0.566800924
## Inv_diff_norm_cooc.H.PET	0.2815594298	0.2306221194	0.974624416
## IDM_cooc.H.PET	0.1781216674	-0.0852762060	0.452297998
## IDM_norm_cooc.H.PET	0.2772778740	0.2364127995	0.983122268
## Inv_var_cooc.H.PET	0.0456887799	0.1461817685	0.620519530
## Correlation_cooc.H.PET	0.5172094342	0.4623475080	0.622643002
## Autocorrelation_cooc.H.PET	0.1916039906	0.0574407015	0.859411956
## Tendency_cooc.H.PET	0.4063321472	0.5066415145	0.851634238
## Shade_cooc.H.PET	-0.1799071611	-0.2489754714	-0.447350055
## Prominence_cooc.H.PET	0.4031321429	0.5859239748	0.659069721
## IC1_d.H.PET	-0.4478664215	-0.2602524549	-0.028585723
## IC2_d.H.PET	0.4714741261	0.4362988707	0.753842833
## Coarseness_vdif.H.PET	-0.1302507911	-0.1154412168	0.430929106
## Contrast_vdif.H.PET	-0.0965740163	-0.2108933417	0.213924668
## Busyness_vdif.H.PET	0.5624135244	0.4429058279	0.119774330
## Complexity_vdif.H.PET	-0.1501626676	-0.1185103211	0.684194831
## Strength_vdif.H.PET	-0.1285970944	-0.1460164575	-0.009143538
## SRE_align.H.PET	0.2201662046	0.2640901008	0.996369334
## LRE_align.H.PET	0.2663109138	0.0285653924	0.529088899
## RLNU_align.H.PET	0.8094599701	0.9966903382	0.259505723
## RP_align.H.PET	0.1987353550	0.2621119367	0.991195996
## LGRE_align.H.PET	-0.0806643309	-0.0444135407	0.460662438
## HGRE_align.H.PET	0.2072273344	0.0822250881	0.867114383
## LGSRE_align.H.PET	-0.0834438124	-0.0470718525	0.458344372
## HGSRE_align.H.PET	0.1808992587	0.1313121765	0.950254981
## LGHRE_align.H.PET	-0.0617100244	-0.0310776687	0.471331908
## HGLRE_align.H.PET	0.2034126971	-0.0667928123	0.312055984
## GLNU_norm_align.H.PET	0.0044812213	-0.2376864699	0.406767873
## RLNU_norm_align.H.PET	0.1597375005	0.2702102503	0.960958674
## GLVAR_align.H.PET	0.3146400858	0.4310186512	0.869443476
## RLVAR_align.H.PET	0.2535838662	-0.0683816314	0.151309142

## Entropy_align.H.PET	0.3617185774	0.4496787730	0.930338033
## SZSE.H.PET	0.1883300092	0.3088999732	0.912331530
## LZSE.H.PET	0.0610683464	-0.0844576389	-0.131470356
## LGLZE.H.PET	-0.0810728227	-0.0431540170	0.461768092
## HGLZE.H.PET	0.2737000017	0.1508037800	0.825318213
## SZLGE.H.PET	-0.0867585928	-0.0504149002	0.455240962
## SZHGE.H.PET	0.1563933613	0.1684818422	0.858348683
## LZLGE.H.PET	0.0909831678	-0.0882880202	-0.079346883
## LZHGE.H.PET	0.0404835904	-0.1060601457	-0.134773291
## GLNU_area.H.PET	0.9247990289	0.9634924637	0.282406907
## ZSNU.H.PET	0.6789146987	0.9564991664	0.242311120
## ZSP.H.PET	0.0819558787	0.3036461502	0.766055565
## GLNU_norm.H.PET	0.0034387179	-0.2286210942	0.420084100
## ZSNU_norm.H.PET	0.1122959972	0.3069855774	0.806257874
## GLVAR_area.H.PET	0.3099411428	0.4215801107	0.849640394
## ZSVAR_H.PET	0.0553533950	-0.0964217378	-0.135720339
## Entropy_area.H.PET	0.4025281461	0.4086422661	0.953877757
## Max_cooc.W.PET	-0.1025100935	-0.2408169454	0.262486671
## Average_cooc.W.PET	0.1702524243	0.4733312630	0.613067759
## Variance_cooc.W.PET	0.0466819203	0.3753811287	0.351065663
## Entropy_cooc.W.PET	0.2801253333	0.4212801936	0.913021780
## DAVE_cooc.W.PET	0.0408073057	0.3169091970	0.651373115
## DVAR_cooc.W.PET	-0.0352141214	0.2854226235	0.393084185
## DENT_cooc.W.PET	0.1964375323	0.3492566689	0.906497574
## SAVE_cooc.W.PET	0.1704862658	0.4736101477	0.612336681
## SVAR_cooc.W.PET	0.0855547858	0.4064161908	0.317970761
## SENT_cooc.W.PET	0.2605459090	0.3622659560	0.938649685
## ASM_cooc.W.PET	-0.0952216482	-0.1932836229	0.316487786
## Contrast_cooc.W.PET	-0.0591488701	0.2607027461	0.405833756
## Dissimilarity_cooc.W.PET	0.0408073057	0.3169091970	0.651373115
## Inv_diff_cooc.W.PET	0.2299511604	-0.0052735037	0.657118670
## Inv_diff_norm_cooc.W.PET	0.3254688948	0.2817941471	0.979558476
## IDM_cooc.W.PET	0.1919459712	-0.0747509612	0.506889904
## IDM_norm_cooc.W.PET	0.3007308429	0.2633158520	0.985193121
## Inv_var_cooc.W.PET	0.2222126458	-0.0344927308	0.588254848
## Correlation_cooc.W.PET	0.5221773348	0.4312675728	0.604258953
## Autocorrelation_cooc.W.PET	0.0961739718	0.4568883254	0.344842228
## Tendency_cooc.W.PET	0.0855547858	0.4064161908	0.317970761
## Shade_cooc.W.PET	0.0319203806	0.2057194333	0.084031263
## Prominence_cooc.W.PET	0.0085458388	0.2052073100	0.051246687
## IC1_d.W.PET	-0.3418487831	-0.1984987686	-0.068239136
## IC2_d.W.PET	0.3502753752	0.3338719302	0.832763737
## Coarseness_vdif.W.PET	-0.2732516141	-0.2663922275	0.432103503
## Contrast_vdif.W.PET	-0.2475627015	-0.0206551879	0.578788737
## Busyness_vdif.W.PET	0.4742091319	0.1735015041	0.126853540
## Complexity_vdif.W.PET	0.1270664967	0.4281511399	0.238325221
## Strength_vdif.W.PET	-0.2019382449	-0.1376722920	0.306013436
## SRE_align.W.PET	0.2456482692	0.2509806603	0.999389077
## LRE_align.W.PET	0.3095370291	0.1245726355	0.788141883
## GLNU_align.W.PET	1.0000000000	0.8510110675	0.236391226
## RLNU_align.W.PET	0.8510110675	1.0000000000	0.254002354
## RP_align.W.PET	0.2363912256	0.2540023542	1.000000000
## LGRE_align.W.PET	-0.0154953154	-0.2602243100	0.402313770
## HGRE_align.W.PET	0.1013870408	0.4619199289	0.348361128

## LGSRE_align.W.PET	-0.0185426575	-0.2563086845	0.445519834
## HGSRE_align.W.PET	0.0935126233	0.4552309879	0.344837843
## LGHRE_align.W.PET	0.0004178113	-0.2551019295	0.218968973
## HGLRE_align.W.PET	0.1366025580	0.4892855439	0.361259561
## GLNU_norm_align.W.PET	-0.0292054025	-0.2431829930	0.415984696
## RLNU_norm_align.W.PET	0.2168124819	0.2661811285	0.995014246
## GLVAR_align.W.PET	0.0726254384	0.4125916337	0.350374208
## RLVAR_align.W.PET	0.2100380163	-0.0867144066	0.229293209
## Entropy_align.W.PET	0.3427309288	0.4397554282	0.937646738
## SZSE.W.PET	0.2090285651	0.2738223882	0.972848007
## LZSE.W.PET	0.0745445235	-0.1378758359	0.010833344
## LGLZE.W.PET	-0.0013446412	-0.2528373092	0.424020546
## HGLZE.W.PET	0.1014852914	0.4589335599	0.352390432
## SZLGE.W.PET	-0.0131955444	-0.2288124727	0.518469352
## SZHGE.W.PET	0.0802661977	0.4390973464	0.341941058
## LZLGE.W.PET	-0.0096850914	-0.1552272213	-0.093550407
## LZHGE.W.PET	0.2280440206	0.4475136441	0.332666398
## GLNU_area.W.PET	0.9829114381	0.9114404164	0.264909429
## ZSNU.W.PET	0.7743816025	0.9887105236	0.252292225
## ZSP.W.PET	0.1806782337	0.3079132960	0.930647021
## GLNU_norm.W.PET	-0.0267084300	-0.2399528309	0.434536296
## ZSNU_norm.W.PET	0.1660596491	0.3035575800	0.926048976
## GLVAR_area.W.PET	0.0742950796	0.4086532477	0.353793075
## ZSVAR.W.PET	0.0430073215	-0.1493681773	-0.070457017
## Entropy_area.W.PET	0.3763109378	0.4159311242	0.955679669
## Min_hist.ADC	-0.1745246568	-0.1011319302	0.325425920
## Max_hist.ADC	0.3522179282	0.2924214933	0.868362285
## Mean_hist.ADC	0.1952170554	0.1482389632	0.856679281
## Variance_hist.ADC	0.3115879028	0.2528072781	0.428703427
## Standard_Deviation_hist.ADC	0.3383698290	0.2746476855	0.707620298
## Skewness_hist.ADC	0.1306925851	0.1666043354	0.222523314
## Kurtosis_hist.ADC	0.1040039373	0.1389611289	0.277985431
## Energy_hist.ADC	-0.1059370439	-0.0974469946	0.447443400
## Entropy_hist.ADC	0.3438308905	0.3104891989	0.944136263
## AUC_hist.ADC	0.3011057450	0.2757091131	0.969112060
## Volume.ADC	0.6299919931	0.6656559671	0.321567707
## X3D_surface.ADC	0.4963041053	0.4708879704	0.427034863
## ratio_3ds_vol.ADC	-0.0393992592	-0.0698463013	0.640199945
## ratio_3ds_vol_norm.ADC	0.4060086869	0.3398168133	0.932677314
## irregularity.ADC	0.1822096380	0.1609602157	0.951467180
## Compactness_v1.ADC	-0.0421014468	-0.0304962767	0.682037877
##	LGRE_align.W.PET	HGRE_align.W.PET	LGSRE_align.W.PET
## Failure	0.095513333	-0.115696526	0.0946116920
## Entropy_cooc.W.ADC	-0.063981733	0.066137668	-0.0684025321
## GLNU_align.H.PET	-0.058804922	0.004453862	-0.0658659071
## Min_hist.PET	-0.218487945	0.798539742	-0.1814930154
## Max_hist.PET	-0.266883155	0.883678751	-0.2342934866
## Mean_hist.PET	-0.292085390	0.878732109	-0.2577171208
## Variance_hist.PET	-0.414698556	0.952326043	-0.3957514705
## Standard_Deviation_hist.PET	-0.297795914	0.903646360	-0.2637181608
## Skewness_hist.PET	0.591749795	-0.092807918	0.6080164823
## Kurtosis_hist.PET	0.301278653	-0.112513159	0.3053565442
## Energy_hist.PET	0.479676194	-0.048480932	0.5112783480
## Entropy_hist.PET	0.279926164	0.385444307	0.3081601564

## AUC_hist.PET	0.517458758	0.243393853	0.5533573016
## H_suv.PET	-0.239358676	0.802271214	-0.1991056984
## Volume.PET	-0.122364555	0.394701841	-0.1210450705
## X3D_surface.PET	-0.100574945	0.280719772	-0.0949097668
## ratio_3ds_vol.PET	0.634680987	-0.104477092	0.6598766880
## ratio_3ds_vol_norm.PET	0.420834829	0.122976469	0.4443617609
## irregularity.PET	0.593137246	0.171960184	0.6274697840
## tumor_length.PET	0.107637506	0.385473197	0.1244924688
## Compactness_v1.PET	0.383343929	0.125831404	0.4163027143
## Compactness_v2.PET	-0.123971573	0.314736138	-0.1206389214
## Spherical_disproportion.PET	0.420834829	0.122976469	0.4443617609
## Sphericity.PET	-0.140097031	0.290622570	-0.1391532941
## Asphericity.PET	0.412631803	0.116401690	0.4354333412
## Center_of_mass.PET	0.020464279	0.379364898	0.0264217184
## Max_3D_diam.PET	-0.123690739	0.523291563	-0.1185874952
## Major_axis_length.PET	-0.091100718	0.587266754	-0.0818080702
## Minor_axis_length.PET	0.058425605	0.416056316	0.0768756238
## Least_axis_length.PET	-0.060847509	0.458588960	-0.0465091747
## Elongation.PET	0.500691421	0.034228685	0.5377081494
## Flatness.PET	0.376264390	0.100998854	0.4118665143
## Max_cooc.L.PET	0.475517222	-0.011836160	0.5040612990
## Average_cooc.L.PET	0.327033303	0.235286823	0.3591300410
## Variance_cooc.L.PET	0.496172233	-0.007162733	0.5290577825
## Entropy_cooc.L.PET	0.412154519	0.305981267	0.4472545058
## DAVE_cooc.L.PET	0.460288528	0.083387995	0.5016225002
## DVAR_cooc.L.PET	0.424595682	0.077168599	0.4676291532
## DENT_cooc.L.PET	0.495261408	0.230218586	0.5341708329
## SAVE_cooc.L.PET	0.326656687	0.235390572	0.3587295625
## SVAR_cooc.L.PET	0.521026611	-0.007848935	0.5468496901
## SENT_cooc.L.PET	0.518167104	0.219297711	0.5543541515
## ASM_cooc.L.PET	0.431377048	-0.005999886	0.4618397897
## Contrast_cooc.L.PET	0.389823282	-0.005107758	0.4294919877
## Dissimilarity_cooc.L.PET	0.460288528	0.083387995	0.5016225002
## Inv_diff_cooc.L.PET	0.420920026	0.280452722	0.4468853316
## Inv_diff_norm_cooc.L.PET	0.483165642	0.281074842	0.5171688021
## IDM_cooc.L.PET	0.401891160	0.249836061	0.4256571283
## IDM_norm_cooc.L.PET	0.488889429	0.274583968	0.5236949950
## Inv_var_cooc.L.PET	0.400836242	0.258376495	0.4242531344
## Correlation_cooc.L.PET	0.350455854	0.196475224	0.3543477294
## Autocorrelation_cooc.L.PET	0.251793224	0.138324355	0.2751421655
## Tendency_cooc.L.PET	0.521026611	-0.007848935	0.5468496901
## Shade_cooc.L.PET	0.493240380	-0.087980504	0.4953527807
## Prominence_cooc.L.PET	0.554159879	-0.134981835	0.5708882167
## IC1_.L.PET	-0.435992024	0.128760632	-0.4405612162
## IC2_.L.PET	0.610157494	0.109395194	0.6423061806
## Coarseness_vdif_.L.PET	0.550663467	-0.101709779	0.5785628089
## Contrast_vdif_.L.PET	0.323280651	-0.127220806	0.3517403527
## Busyness_vdif_.L.PET	-0.105897368	0.324135729	-0.0976916481
## Complexity_vdif_.L.PET	0.493953382	0.058041722	0.5398145645
## Strength_vdif_.L.PET	0.607584954	-0.249118929	0.6193310994
## SRE_align.L.PET	0.502905604	0.258828880	0.5396146823
## LRE_align.L.PET	0.474553399	0.281674349	0.5088993070
## GLNU_align.L.PET	-0.155661455	0.355152354	-0.1514297077
## RLNU_align.L.PET	-0.238999986	0.413641125	-0.2367002020

## RP_align.L.PET	0.504244365	0.256373141	0.5410380516
## LGRE_align.L.PET	0.660849606	-0.028765923	0.6951438743
## HGRE_align.L.PET	0.247815751	0.152486228	0.2727522551
## LGSRE_align.L.PET	0.662798394	-0.027910984	0.6978778802
## HGSRE_align.L.PET	0.252211119	0.147538150	0.2773663369
## LGHRE_align.L.PET	0.648659144	-0.031374506	0.6796534211
## HGLRE_align.L.PET	0.228528939	0.172469123	0.2525014821
## GLNU_norm_align.L.PET	0.591258460	0.030549641	0.6256278569
## RLNU_norm_align.L.PET	0.508153895	0.248692810	0.5452662986
## GLVAR_align.L.PET	0.448885027	0.041760254	0.4823095619
## RLVAR_align.L.PET	0.381614189	0.190913604	0.4091127398
## Entropy_align.L.PET	0.415836693	0.309945134	0.4504316765
## SZSE.L.PET	0.502860423	0.255470898	0.5398064499
## LZSE.L.PET	0.282069245	0.210858413	0.3030592875
## LGLZE.L.PET	0.660410243	-0.027583499	0.6962388892
## HGLZE.L.PET	0.252139270	0.155002539	0.2776890572
## SZLGE.L.PET	0.663586275	-0.023924021	0.7013803528
## SZHGE.L.PET	0.264500092	0.149045853	0.2909358125
## LZLGE.L.PET	0.556443720	-0.023978484	0.5780937780
## LZHGE.L.PET	0.143354538	0.156847265	0.1605549232
## GLNU_area.L.PET	-0.160694149	0.361564031	-0.1564547703
## ZSNU.L.PET	-0.243504764	0.417059586	-0.2410606767
## ZSP.L.PET	0.510496533	0.244343995	0.5474812611
## GLNU_norm.L.PET	0.588044518	0.031366125	0.6226271035
## ZSNU_norm.L.PET	0.511900746	0.230285462	0.5490210751
## GLVAR_area.L.PET	0.447879155	0.051955172	0.4815443875
## ZSVAR.L.PET	0.145306529	0.231460771	0.1605747203
## Entropy_area.L.PET	0.408618687	0.320869205	0.4430304013
## Max_cooc.H.PET	0.890048151	-0.446493208	0.8567633594
## Average_cooc.H.PET	0.659121580	0.103053952	0.6863949002
## Variance_cooc.H.PET	0.000830159	0.554452081	0.0467687462
## Entropy_cooc.H.PET	0.207748251	0.498489720	0.2500419957
## DAVE_cooc.H.PET	0.162323836	0.408018628	0.2157392902
## DVAR_cooc.H.PET	0.167366468	0.385333684	0.2124215791
## DENT_cooc.H.PET	0.157838254	0.367001611	0.1926170202
## SAVE_cooc.H.PET	0.559166439	0.171365758	0.5910863628
## SVAR_cooc.H.PET	0.095045231	0.475612203	0.1283178768
## SENT_cooc.H.PET	0.107516362	0.442488899	0.1541928467
## ASM_cooc.H.PET	0.822243976	-0.393078302	0.7865431558
## Contrast_cooc.H.PET	0.059177849	0.423177878	0.1095908551
## Dissimilarity_cooc.H.PET	0.162323836	0.408018628	0.2157392902
## Inv_diff_cooc.H.PET	0.874580683	-0.279560888	0.8646672585
## Inv_diff_norm_cooc.H.PET	0.550195869	0.228253498	0.5820746669
## IDM_cooc.H.PET	0.887779802	-0.376571778	0.8712186748
## IDM_norm_cooc.H.PET	0.523318657	0.248039095	0.5577133637
## Inv_var_cooc_.H.PET	0.270768161	0.336212038	0.3086772263
## Correlation_cooc.H.PET	0.277146732	0.272934534	0.2858303608
## Autocorrelation_cooc.H.PET	0.767970343	-0.019719292	0.7851554923
## Tendency_cooc.H.PET	-0.030825960	0.575821109	0.0085861466
## Shade_cooc.H.PET	0.288664246	-0.356719031	0.2610583501
## Prominence_cooc.H.PET	-0.318673723	0.701418364	-0.2864600311
## IC1_d.H.PET	-0.129812237	0.046037064	-0.0952145993
## IC2_d.H.PET	0.308852250	0.341190084	0.3279203333
## Coarseness_vdif.H.PET	0.440345920	-0.007080573	0.4688442767

## Contrast_vdif.H.PET	0.539572011	-0.354160068	0.5366153911
## Busyness_vdif.H.PET	-0.112319936	0.052818962	-0.1158420771
## Complexity_vdif.H.PET	0.327429498	0.117108582	0.3740101005
## Strength_vdif.H.PET	0.363991261	-0.133468212	0.3221794645
## SRE_align.H.PET	0.341070221	0.393663068	0.3876355582
## LRE_align.H.PET	0.766323664	-0.227664310	0.7491105361
## RLNU_align.H.PET	-0.281445525	0.504639980	-0.2765833288
## RP_align.H.PET	0.308947989	0.420141374	0.3567345813
## LGRE_align.H.PET	0.367564136	0.076984279	0.3987247395
## HGRE_align.H.PET	0.751972758	0.001932046	0.7666175245
## LGSRE_align.H.PET	0.367904975	0.075369609	0.3990631435
## HGSRE_align.H.PET	0.615631727	0.152220952	0.6467987459
## LGHRE_align.H.PET	0.371761774	0.078443052	0.4024002240
## HGLRE_align.H.PET	0.760553764	-0.330919818	0.7246667399
## GLNU_norm_align.H.PET	0.957892135	-0.463962093	0.9460640727
## RLNU_norm_align.H.PET	0.192914091	0.499422927	0.2443786544
## GLVAR_align.H.PET	-0.060851417	0.586178947	-0.0171047059
## RLVAR_align.H.PET	0.673383445	-0.410103936	0.6370185537
## Entropy_align.H.PET	0.121663699	0.595913584	0.1579708632
## SZSE.H.PET	0.128954119	0.545581138	0.1762833979
## LZSE.H.PET	0.219259407	-0.172724111	0.1731354200
## LGLZE.H.PET	0.361049758	0.083783070	0.3920840890
## HGLZE.H.PET	0.676764365	0.021451485	0.6907263823
## SZLGE.H.PET	0.365715711	0.076358189	0.3965877657
## SZHGE.H.PET	0.378360420	0.303418891	0.4142390445
## LZLGE.H.PET	0.284232644	-0.204765334	0.2432341280
## LZHGE.H.PET	0.292021159	-0.204151177	0.2390591724
## GLNU_area.H.PET	-0.188137217	0.314688692	-0.1809695147
## ZSNU.H.PET	-0.325945250	0.599870692	-0.3214359985
## ZSP.H.PET	-0.128790050	0.673827793	-0.0792206453
## GLNU_norm.H.PET	0.915867087	-0.456551507	0.9120336803
## ZSNU_norm.H.PET	-0.054189495	0.655120507	-0.0077423462
## GLVAR_area.H.PET	-0.085232660	0.585233544	-0.0428753063
## ZSVAR.H.PET	0.250830364	-0.194644803	0.2033030094
## Entropy_area.H.PET	0.275216529	0.446166562	0.3105759397
## Max_cooc.W.PET	0.816828416	-0.332706535	0.7925890337
## Average_cooc.W.PET	-0.351898149	0.932570762	-0.3220373941
## Variance_cooc.W.PET	-0.390984985	0.920675560	-0.3706765229
## Entropy_cooc.W.PET	0.031776559	0.646237970	0.0764421314
## DAVE_cooc.W.PET	-0.265933954	0.828075930	-0.2264918562
## DVAR_cooc.W.PET	-0.391234065	0.906405146	-0.3676936037
## DENT_cooc.W.PET	0.046312656	0.636361230	0.0939125245
## SAVE_cooc.W.PET	-0.352828761	0.932785585	-0.3230234015
## SVAR_cooc.W.PET	-0.375083767	0.901150883	-0.3573323345
## SENT_cooc.W.PET	0.151677881	0.562357683	0.1973732584
## ASM_cooc.W.PET	0.721322238	-0.241188668	0.7098597706
## Contrast_cooc.W.PET	-0.398224664	0.889577675	-0.3730728467
## Dissimilarity_cooc.W.PET	-0.265933954	0.828075930	-0.2264918562
## Inv_diff_cooc.W.PET	0.847644585	-0.272013843	0.8501842071
## Inv_diff_norm_cooc.W.PET	0.490421894	0.274827441	0.5240710893
## IDM_cooc.W.PET	0.872348180	-0.380934348	0.8634318061
## IDM_norm_cooc.W.PET	0.490573551	0.272718089	0.5254269106
## Inv_var_cooc.W.PET	0.837800873	-0.339943139	0.8413604640
## Correlation_cooc.W.PET	0.334454680	0.209280025	0.3393377110

## Autocorrelation_cooc.W.PET	-0.470755324	0.998363081	-0.4562103091
## Tendency_cooc.W.PET	-0.375083767	0.901150883	-0.3573323345
## Shade_cooc.W.PET	-0.174319253	0.527253608	-0.1675225580
## Prominence_cooc.W.PET	-0.215004955	0.584555979	-0.2118053405
## IC1_d.W.PET	-0.059684766	-0.058414278	-0.0295336379
## IC2_d.W.PET	0.338147856	0.375913322	0.3624398340
## Coarseness_vdif.W.PET	0.562705228	-0.138827845	0.5877019118
## Contrast_vdif.W.PET	-0.109680482	0.585959250	-0.0655258200
## Busyness_vdif.W.PET	0.562424783	-0.407687485	0.5392057909
## Complexity_vdif.W.PET	-0.350132025	0.875406139	-0.3393967964
## Strength_vdif.W.PET	0.054256391	0.316615869	0.0836862965
## SRE_align.W.PET	0.424653947	0.329733835	0.4664511571
## LRE_align.W.PET	0.723642010	-0.038648655	0.7282703403
## GLNU_align.W.PET	-0.015495315	0.101387041	-0.0185426575
## RLNU_align.W.PET	-0.260224310	0.461919929	-0.2563086845
## RP_align.W.PET	0.402313770	0.348361128	0.4455198344
## LGRE_align.W.PET	1.000000000	-0.473624954	0.9963097418
## HGRE_align.W.PET	-0.473624954	1.000000000	-0.4590148056
## LGSRE_align.W.PET	0.996309742	-0.459014806	1.0000000000
## HGSRE_align.W.PET	-0.473766712	0.999862198	-0.4591044581
## LGHRE_align.W.PET	0.939010181	-0.484920260	0.9073908124
## HGLRE_align.W.PET	-0.471799063	0.997276308	-0.4576406910
## GLNU_norm_align.W.PET	0.947901828	-0.427318354	0.9372290033
## RLNU_norm_align.W.PET	0.329497782	0.405858585	0.3763571732
## GLVAR_align.W.PET	-0.415377974	0.952944006	-0.3965593289
## RLVAR_align.W.PET	0.735522723	-0.396053662	0.7030695770
## Entropy_align.W.PET	0.115548498	0.596225321	0.1546320931
## SZSE.W.PET	0.310974490	0.428881497	0.3564662718
## LZSE.W.PET	0.548069531	-0.333330851	0.4976228914
## LGLZE.W.PET	0.988498600	-0.470863752	0.9875349361
## HGLZE.W.PET	-0.468097734	0.999110514	-0.4530444477
## SZLGE.W.PET	0.952479684	-0.398342734	0.9647469927
## SZHGE.W.PET	-0.463227325	0.995265190	-0.4480409357
## LZLGE.W.PET	0.482436451	-0.273149610	0.4219279487
## LZHGE.W.PET	-0.329972304	0.756054492	-0.3244358964
## GLNU_area.W.PET	-0.092298042	0.195757600	-0.0897364230
## ZSNU.W.PET	-0.292056413	0.529284955	-0.2873281815
## ZSP.W.PET	0.136618225	0.535982280	0.1879681279
## GLNU_norm.W.PET	0.931618120	-0.426543573	0.9259172294
## ZSNU_norm.W.PET	0.138391654	0.551137682	0.1875708958
## GLVAR_area.W.PET	-0.411779358	0.950857517	-0.3929542390
## ZSVAR.W.PET	0.474881457	-0.318143295	0.4222426876
## Entropy_area.W.PET	0.227790368	0.502678834	0.2638770144
## Min_hist.ADC	0.280377481	0.081303990	0.2855599143
## Max_hist.ADC	0.438677453	0.253340085	0.4695596726
## Mean_hist.ADC	0.501726328	0.160228001	0.5348357030
## Variance_hist.ADC	0.321677540	0.093713797	0.3354800258
## Standard_Deviation_hist.ADC	0.419936579	0.177264302	0.4447885567
## Skewness_hist.ADC	0.045770346	0.248842027	0.0478758586
## Kurtosis_hist.ADC	0.077412287	0.179963644	0.0894458445
## Energy_hist.ADC	0.443995350	-0.010504228	0.4739366034
## Entropy_hist.ADC	0.403071390	0.306383148	0.4373546749
## AUC_hist.ADC	0.448963405	0.301459839	0.4853256092
## Volume.ADC	-0.099106569	0.373023225	-0.0976247832

## X3D_surface.ADC	0.043824217	0.240990198	0.0566178620
## ratio_3ds_vol.ADC	0.506980188	0.029603646	0.5323317261
## ratio_3ds_vol_norm.ADC	0.424573641	0.252007519	0.4591581596
## irregularity.ADC	0.500984650	0.243276229	0.5360424776
## Compactness_v1.ADC	0.518734656	0.088601849	0.5540852638
##	HGSRE_align.W.PET	LGHRE_align.W.PET	
## Failure	-0.114489472	0.0894849622	
## Entropy_cooc.W.ADC	0.063543678	-0.0374091945	
## GLNU_align.H.PET	0.000563893	-0.0227976734	
## Min_hist.PET	0.799289473	-0.3288602499	
## Max_hist.PET	0.882952409	-0.3582098295	
## Mean_hist.PET	0.878316512	-0.3868497013	
## Variance_hist.PET	0.955096448	-0.4449843475	
## Standard_Deviation_hist.PET	0.904086422	-0.3892301151	
## Skewness_hist.PET	-0.088910422	0.4900943994	
## Kurtosis_hist.PET	-0.110868193	0.2614742714	
## Energy_hist.PET	-0.048806951	0.3323116148	
## Entropy_hist.PET	0.379849097	0.1655949172	
## AUC_hist.PET	0.239187413	0.3530063199	
## H_suv.PET	0.803578011	-0.3560932259	
## Volume.PET	0.390251964	-0.1203125065	
## X3D_surface.PET	0.274671125	-0.1062383613	
## ratio_3ds_vol.PET	-0.102026221	0.4931892018	
## ratio_3ds_vol_norm.PET	0.119889418	0.3163111148	
## irregularity.PET	0.169507169	0.4231705616	
## tumor_length.PET	0.377401542	0.0523243680	
## Compactness_v1.PET	0.123560701	0.2384036841	
## Compactness_v2.PET	0.312409145	-0.1342397750	
## Spherical_disproportion.PET	0.119889418	0.3163111148	
## Sphericity.PET	0.288817589	-0.1418317600	
## Asphericity.PET	0.113398939	0.3114251131	
## Center_of_mass.PET	0.377158438	0.0154938748	
## Max_3D_diam.PET	0.517044296	-0.1312188599	
## Major_axis_length.PET	0.581101064	-0.1118861168	
## Minor_axis_length.PET	0.407741728	-0.0007384157	
## Least_axis_length.PET	0.450347598	-0.1000378393	
## Elongation.PET	0.029614741	0.3363288332	
## Flatness.PET	0.095223953	0.2258269149	
## Max_cooc.L.PET	-0.012976853	0.3414379787	
## Average_cooc.L.PET	0.230910260	0.1894342906	
## Variance_cooc.L.PET	-0.005291152	0.3439514205	
## Entropy_cooc.L.PET	0.301136374	0.2618742035	
## DAVE_cooc.L.PET	0.084756854	0.2767597891	
## DVAR_cooc.L.PET	0.080766908	0.2373788294	
## DENT_cooc.L.PET	0.227665293	0.3212026006	
## SAVE_cooc.L.PET	0.231013850	0.1891656776	
## SVAR_cooc.L.PET	-0.007421253	0.3955468521	
## SENT_cooc.L.PET	0.215418173	0.3547936999	
## ASM_cooc.L.PET	-0.007313607	0.2947927747	
## Contrast_cooc.L.PET	-0.001194372	0.2156520011	
## Dissimilarity_cooc.L.PET	0.084756854	0.2767597891	
## Inv_diff_cooc.L.PET	0.274043711	0.3013032900	
## Inv_diff_norm_cooc.L.PET	0.276090433	0.3289458875	
## IDM_cooc.L.PET	0.243589570	0.2915672079	

## IDM_norm_cooc.L.PET	0.269850281	0.3311830997
## Inv_var_cooc.L.PET	0.252301122	0.2922802816
## Correlation_cooc.L.PET	0.188119456	0.3198567379
## Autocorrelation_cooc.L.PET	0.134247767	0.1498402649
## Tendency_cooc.L.PET	-0.007421253	0.3955468521
## Shade_cooc.L.PET	-0.081657963	0.4612072396
## Prominence_cooc.L.PET	-0.131900783	0.4594131984
## IC1_.L.PET	0.125627362	-0.3730508378
## IC2_.L.PET	0.107711276	0.4503143942
## Coarseness_vdif_.L.PET	-0.101252668	0.4050970111
## Contrast_vdif_.L.PET	-0.123733618	0.1903670325
## Busyness_vdif_.L.PET	0.319244640	-0.1293501284
## Complexity_vdif_.L.PET	0.060745231	0.2910426290
## Strength_vdif_.L.PET	-0.243648793	0.5077797665
## SRE_align.L.PET	0.254778452	0.3369185053
## LRE_align.L.PET	0.276483749	0.3195174340
## GLNU_align.L.PET	0.348839717	-0.1604107181
## RLNU_align.L.PET	0.406477657	-0.2284528733
## RP_align.L.PET	0.252360178	0.3378110087
## LGRE_align.L.PET	-0.027711032	0.4896741703
## HGRE_align.L.PET	0.148882787	0.1385956296
## LGSRE_align.L.PET	-0.026853908	0.4887341027
## HGSRE_align.L.PET	0.144159327	0.1416723155
## LGHRE_align.L.PET	-0.030357870	0.4899007936
## HGLRE_align.L.PET	0.167939916	0.1250568625
## GLNU_norm_align.L.PET	0.029276445	0.4258022093
## RLNU_norm_align.L.PET	0.244846695	0.3402045730
## GLVAR_align.L.PET	0.041938013	0.2992038032
## RLVAR_align.L.PET	0.185329082	0.2610553480
## Entropy_align.L.PET	0.304810184	0.2661572149
## SZSE.L.PET	0.252511716	0.3361249988
## LZSE.L.PET	0.203489496	0.1876309066
## LGLZE.L.PET	-0.026839673	0.4829449477
## HGLZE.L.PET	0.151640236	0.1406205343
## SZLGE.L.PET	-0.023015975	0.4785224711
## SZHGE.L.PET	0.146799260	0.1488490431
## LZLGE.L.PET	-0.023771648	0.4387894058
## LZHGE.L.PET	0.149507587	0.0705101832
## GLNU_area.L.PET	0.355377292	-0.1649392776
## ZSNU.L.PET	0.410180299	-0.2327565616
## ZSP.L.PET	0.241379506	0.3430248173
## GLNU_norm.L.PET	0.030006451	0.4220650538
## ZSNU_norm.L.PET	0.227090511	0.3438723833
## GLVAR_area.L.PET	0.052189606	0.2976347800
## ZSVAR.L.PET	0.223877044	0.0813293350
## Entropy_area.L.PET	0.315459844	0.2600658209
## Max_cooc.H.PET	-0.447220315	0.9470173871
## Average_cooc.H.PET	0.099154811	0.5144045125
## Variance_cooc.H.PET	0.549368167	-0.1621177095
## Entropy_cooc.H.PET	0.496496743	0.0465895879
## DAVE_cooc.H.PET	0.406142750	-0.0408459288
## DVAR_cooc.H.PET	0.382902751	-0.0099325806
## DENT_cooc.H.PET	0.363722774	0.0353790505
## SAVE_cooc.H.PET	0.167171150	0.4092813723

## SVAR_cooc.H.PET	0.469423425	-0.0213577244
## SENT_cooc.H.PET	0.440518585	-0.0554801509
## ASM_cooc.H.PET	-0.394218119	0.8968652651
## Contrast_cooc.H.PET	0.422313841	-0.1247381442
## Dissimilarity_cooc.H.PET	0.406142750	-0.0408459288
## Inv_diff_cooc.H.PET	-0.284497778	0.8491511443
## Inv_diff_norm_cooc.H.PET	0.223648703	0.3985647087
## IDM_cooc.H.PET	-0.381224659	0.8848564581
## IDM_norm_cooc.H.PET	0.243557873	0.3643785089
## Inv_var_cooc.H.PET	0.335291065	0.1219971789
## Correlation_cooc.H.PET	0.264205976	0.2337634751
## Autocorrelation_cooc.H.PET	-0.023631689	0.6510500783
## Tendency_cooc.H.PET	0.568912186	-0.1678664534
## Shade_cooc.H.PET	-0.348249563	0.3636359910
## Prominence_cooc.H.PET	0.693902767	-0.4062726995
## IC1_d.H.PET	0.051818474	-0.2644746533
## IC2_d.H.PET	0.334019217	0.2268744921
## Coarseness_vdif.H.PET	-0.007808485	0.3113009085
## Contrast_vdif.H.PET	-0.355966441	0.4791947272
## Busyness_vdif.H.PET	0.050526164	-0.1005364222
## Complexity_vdif.H.PET	0.116298738	0.1406817270
## Strength_vdif.H.PET	-0.131680547	0.4990324421
## SRE_align.H.PET	0.390545629	0.1492670802
## LRE_align.H.PET	-0.233297408	0.8003657499
## RLNU_align.H.PET	0.498354672	-0.2785008958
## RP_align.H.PET	0.417415021	0.1148686473
## LGRE_align.H.PET	0.075295432	0.2340529471
## HGRE_align.H.PET	-0.001633375	0.6429925607
## LGSRE_align.H.PET	0.073727300	0.2343638775
## HGSRE_align.H.PET	0.149929949	0.4519572610
## LGHRE_align.H.PET	0.076429064	0.2404466490
## HGLRE_align.H.PET	-0.335679544	0.8654344590
## GLNU_norm_align.H.PET	-0.465783740	0.9271267879
## RLNU_norm_align.H.PET	0.497650407	-0.0044143711
## GLVAR_align.H.PET	0.580358256	-0.2105478281
## RLVAR_align.H.PET	-0.415326358	0.7923447599
## Entropy_align.H.PET	0.591109336	-0.0073984954
## SZSE.H.PET	0.544572274	-0.0404708871
## LZSE.H.PET	-0.173265182	0.4539542812
## LGLZE.H.PET	0.081980076	0.2284833262
## HGLZE.H.PET	0.018820273	0.5887835091
## SZLGE.H.PET	0.074740790	0.2333868148
## SZHGE.H.PET	0.305123224	0.2347279056
## LZLGE.H.PET	-0.206539270	0.4845392567
## LZHGE.H.PET	-0.204973250	0.5421026320
## GLNU_area.H.PET	0.308018380	-0.2026136740
## ZSNU.H.PET	0.595377814	-0.3179906033
## ZSP.H.PET	0.675275112	-0.2926387363
## GLNU_norm.H.PET	-0.459194569	0.8579016640
## ZSNU_norm.H.PET	0.655625510	-0.2056142811
## GLVAR_area.H.PET	0.579551172	-0.2290302278
## ZSVAR.H.PET	-0.195404192	0.4841471974
## Entropy_area.H.PET	0.440343577	0.1327173838
## Max_cooc.W.PET	-0.333311178	0.8465449368

## Average_cooc.W.PET	0.930665734	-0.4248722433
## Variance_cooc.W.PET	0.924573803	-0.4276242350
## Entropy_cooc.W.PET	0.643229456	-0.1243615849
## DAVE_cooc.W.PET	0.830615608	-0.3783652983
## DVAR_cooc.W.PET	0.911430742	-0.4380791704
## DENT_cooc.W.PET	0.635119097	-0.1217493627
## SAVE_cooc.W.PET	0.930882893	-0.4255438199
## SVAR_cooc.W.PET	0.904421390	-0.4047938651
## SENT_cooc.W.PET	0.559280981	-0.0156214489
## ASM_cooc.W.PET	-0.242364844	0.7162179050
## Contrast_cooc.W.PET	0.894773077	-0.4495655725
## Dissimilarity_cooc.W.PET	0.830615608	-0.3783652983
## Inv_diff_cooc.W.PET	-0.277745610	0.7755385435
## Inv_diff_norm_cooc.W.PET	0.269840536	0.3370959750
## IDM_cooc.W.PET	-0.386308388	0.8394861638
## IDM_norm_cooc.W.PET	0.267987484	0.3326655958
## Inv_var_cooc.W.PET	-0.345791281	0.7594486921
## Correlation_cooc.W.PET	0.200956674	0.3013040395
## Autocorrelation_cooc.W.PET	0.998046291	-0.4819589937
## Tendency_cooc.W.PET	0.904421390	-0.4047938651
## Shade_cooc.W.PET	0.532750850	-0.1839835572
## Prominence_cooc.W.PET	0.588839370	-0.2092531336
## IC1_d.W.PET	-0.055338802	-0.1837272202
## IC2_d.W.PET	0.371132433	0.2373978226
## Coarseness_vdif.W.PET	-0.137949791	0.4224173466
## Contrast_vdif.W.PET	0.591395192	-0.2496054059
## Busyness_vdif.W.PET	-0.412418723	0.6199418238
## Complexity_vdif.W.PET	0.877917817	-0.3588260531
## Strength_vdif.W.PET	0.324353982	-0.0489556781
## SRE_align.W.PET	0.326027659	0.2455504763
## LRE_align.W.PET	-0.044589825	0.6698735347
## GLNU_align.W.PET	0.093512623	0.0004178113
## RLNU_align.W.PET	0.455230988	-0.2551019295
## RP_align.W.PET	0.344837843	0.2189689727
## LGRE_align.W.PET	-0.473766712	0.9390101808
## HGRE_align.W.PET	0.999862198	-0.4849202602
## LGSRE_align.W.PET	-0.459104458	0.9073908124
## HGSRE_align.W.PET	1.000000000	-0.4852663937
## LGHRE_align.W.PET	-0.485266394	1.0000000000
## HGLRE_align.W.PET	0.995931091	-0.4811665653
## GLNU_norm_align.W.PET	-0.428788641	0.9141814661
## RLNU_norm_align.W.PET	0.402871300	0.1392300711
## GLVAR_align.W.PET	0.955680503	-0.4452193455
## RLVAR_align.W.PET	-0.401278069	0.8330794129
## Entropy_align.W.PET	0.591757570	-0.0250934826
## SZSE.W.PET	0.426860604	0.1275122908
## LZSE.W.PET	-0.336446609	0.7390423548
## LGLZE.W.PET	-0.471681519	0.9199975577
## HGLZE.W.PET	0.999386827	-0.4814286428
## SZLGE.W.PET	-0.398750950	0.8386371403
## SZHGE.W.PET	0.996479375	-0.4774687018
## LZLGE.W.PET	-0.273268773	0.7281880022
## LZHGE.W.PET	0.748830903	-0.3128781519
## GLNU_area.W.PET	0.188438654	-0.0946304388

## ZSNU.W.PET	0.523729211	-0.2878284810
## ZSP.W.PET	0.534864758	-0.0562112580
## GLNU_norm.W.PET	-0.428459255	0.8788949261
## ZSNU_norm.W.PET	0.550040712	-0.0448611193
## GLVAR_area.W.PET	0.953621287	-0.4419354148
## ZSVAR.W.PET	-0.320294975	0.6861268941
## Entropy_area.W.PET	0.497365165	0.0901381076
## Min_hist.ADC	0.081837123	0.2282139983
## Max_hist.ADC	0.249009613	0.2986070894
## Mean_hist.ADC	0.157668562	0.3453023554
## Variance_hist.ADC	0.091313016	0.2594435242
## Standard_Deviation_hist.ADC	0.173885317	0.3087798254
## Skewness_hist.ADC	0.246165646	0.0256765873
## Kurtosis_hist.ADC	0.178173820	0.0290831876
## Energy_hist.ADC	-0.011763455	0.3086519686
## Entropy_hist.ADC	0.301294480	0.2559484526
## AUC_hist.ADC	0.296755898	0.2876417409
## Volume.ADC	0.368728701	-0.1030639175
## X3D_surface.ADC	0.235756149	-0.0006935942
## ratio_3ds_vol.ADC	0.029601610	0.3752271767
## ratio_3ds_vol_norm.ADC	0.247892014	0.2691875698
## irregularity.ADC	0.240078587	0.3406507910
## Compactness_v1.ADC	0.085993418	0.3597107190
##	HGLRE_align.W.PET	GLNU_norm_align.W.PET
## Failure	-1.214177e-01	0.124874403
## Entropy_cooc.W.ADC	7.766256e-02	-0.054880758
## GLNU_align.H.PET	2.375121e-02	-0.059340216
## Min_hist.PET	7.915661e-01	-0.239882621
## Max_hist.PET	8.834826e-01	-0.268444362
## Mean_hist.PET	8.767221e-01	-0.285946808
## Variance_hist.PET	9.377462e-01	-0.400099685
## Standard_Deviation_hist.PET	8.985282e-01	-0.288481669
## Skewness_hist.PET	-1.101059e-01	0.497367648
## Kurtosis_hist.PET	-1.197814e-01	0.242697744
## Energy_hist.PET	-4.781365e-02	0.596931122
## Entropy_hist.PET	4.087525e-01	0.287941135
## AUC_hist.PET	2.599825e-01	0.539353581
## H_suv.PET	7.929509e-01	-0.209248198
## Volume.PET	4.114795e-01	-0.128964405
## X3D_surface.PET	3.065506e-01	-0.083509205
## ratio_3ds_vol.PET	-1.155715e-01	0.668760723
## ratio_3ds_vol_norm.PET	1.365497e-01	0.452577620
## irregularity.PET	1.808246e-01	0.609518950
## tumor_length.PET	4.196618e-01	0.139533017
## Compactness_v1.PET	1.339641e-01	0.501736011
## Compactness_v2.PET	3.222037e-01	-0.142145018
## Spherical_disproportion.PET	1.365497e-01	0.452577620
## Sphericity.PET	2.961660e-01	-0.180187428
## Asphericity.PET	1.296662e-01	0.444573291
## Center_of_mass.PET	3.894665e-01	0.027104472
## Max_3D_diam.PET	5.483164e-01	-0.133115984
## Major_axis_length.PET	6.119318e-01	-0.081423338
## Minor_axis_length.PET	4.509977e-01	0.057619068
## Least_axis_length.PET	4.932981e-01	-0.065119454

## Elongation.PET	5.363364e-02	0.506246320
## Flatness.PET	1.256631e-01	0.371181938
## Max_cooc.L.PET	-7.558021e-03	0.594565660
## Average_cooc.L.PET	2.522657e-01	0.409555822
## Variance_cooc.L.PET	-1.680522e-02	0.492120363
## Entropy_cooc.L.PET	3.252951e-01	0.429854972
## DAVE_cooc.L.PET	7.514787e-02	0.467688566
## DVAR_cooc.L.PET	5.925022e-02	0.424934733
## DENT_cooc.L.PET	2.393146e-01	0.507917327
## SAVE_cooc.L.PET	2.523701e-01	0.409061868
## SVAR_cooc.L.PET	-1.068199e-02	0.515221679
## SENT_cooc.L.PET	2.348126e-01	0.545265153
## ASM_cooc.L.PET	-9.289104e-04	0.551578786
## Contrast_cooc.L.PET	-2.426928e-02	0.389062331
## Dissimilarity_cooc.L.PET	7.514787e-02	0.467688566
## Inv_diff_cooc.L.PET	3.078346e-01	0.453379272
## Inv_diff_norm_cooc.L.PET	3.012248e-01	0.502625880
## IDM_cooc.L.PET	2.769233e-01	0.441921637
## IDM_norm_cooc.L.PET	2.935655e-01	0.508096964
## Inv_var_cooc.L.PET	2.841569e-01	0.442409144
## Correlation_cooc.L.PET	2.334860e-01	0.370700816
## Autocorrelation_cooc.L.PET	1.541912e-01	0.358004866
## Tendency_cooc.L.PET	-1.068199e-02	0.515221679
## Shade_cooc.L.PET	-1.153108e-01	0.382066201
## Prominence_cooc.L.PET	-1.491539e-01	0.510225485
## IC1_.L.PET	1.422605e-01	-0.413077586
## IC2_.L.PET	1.158455e-01	0.637942580
## Coarseness_vdif_.L.PET	-1.046301e-01	0.675236058
## Contrast_vdif_.L.PET	-1.433988e-01	0.314910153
## Busyness_vdif_.L.PET	3.436835e-01	-0.122976683
## Complexity_vdif_.L.PET	4.427708e-02	0.478629710
## Strength_vdif_.L.PET	-2.734351e-01	0.588881594
## SRE_align.L.PET	2.745969e-01	0.521932042
## LRE_align.L.PET	3.032264e-01	0.490724886
## GLNU_align.L.PET	3.813899e-01	-0.153462474
## RLNU_align.L.PET	4.436079e-01	-0.224257857
## RP_align.L.PET	2.720099e-01	0.523389638
## LGRE_align.L.PET	-3.392991e-02	0.590281128
## HGRE_align.L.PET	1.661355e-01	0.358681502
## LGSRE_align.L.PET	-3.314950e-02	0.593809362
## HGSRE_align.L.PET	1.601230e-01	0.362104976
## LGHRE_align.L.PET	-3.610693e-02	0.572754574
## HGLRE_align.L.PET	1.905559e-01	0.342910519
## GLNU_norm_align.L.PET	3.507325e-02	0.656535193
## RLNU_norm_align.L.PET	2.636624e-01	0.527838614
## GLVAR_align.L.PET	3.936556e-02	0.460963381
## RLVAR_align.L.PET	2.151937e-01	0.465937636
## Entropy_align.L.PET	3.305670e-01	0.441736284
## SZSE.L.PET	2.650436e-01	0.524256595
## LZSE.L.PET	2.471417e-01	0.285990948
## LGLZE.L.PET	-3.143156e-02	0.592905505
## HGLZE.L.PET	1.676249e-01	0.361987321
## SZLGE.L.PET	-2.916261e-02	0.604713482
## SZHGE.L.PET	1.557888e-01	0.371719271

## LZLGE.L.PET	-2.312333e-02	0.474211882
## LZHGE.L.PET	1.913253e-01	0.238696076
## GLNU_area.L.PET	3.868312e-01	-0.157865144
## ZSNU.L.PET	4.452670e-01	-0.228027987
## ZSP.L.PET	2.544005e-01	0.532612847
## GLNU_norm.L.PET	3.627712e-02	0.654247083
## ZSNU_norm.L.PET	2.423001e-01	0.536499076
## GLVAR_area.L.PET	4.932622e-02	0.462774045
## ZSVAR.L.PET	2.677021e-01	0.160370270
## Entropy_area.L.PET	3.427422e-01	0.432137820
## Max_cooc.H.PET	-4.416727e-01	0.942592164
## Average_cooc.H.PET	1.188865e-01	0.667346076
## Variance_cooc.H.PET	5.741823e-01	0.062279804
## Entropy_cooc.H.PET	5.042358e-01	0.180678063
## DAVE_cooc.H.PET	4.132419e-01	0.187082701
## DVAR_cooc.H.PET	3.934426e-01	0.239662794
## DENT_cooc.H.PET	3.794761e-01	0.136663566
## SAVE_cooc.H.PET	1.883284e-01	0.563575202
## SVAR_cooc.H.PET	5.011617e-01	0.146969462
## SENT_cooc.H.PET	4.493587e-01	0.148535924
## ASM_cooc.H.PET	-3.866265e-01	0.927670290
## Contrast_cooc.H.PET	4.239954e-01	0.110364021
## Dissimilarity_cooc.H.PET	4.132419e-01	0.187082701
## Inv_diff_cooc.H.PET	-2.563845e-01	0.920851851
## Inv_diff_norm_cooc.H.PET	2.468692e-01	0.568713675
## IDM_cooc.H.PET	-3.540957e-01	0.936676848
## IDM_norm_cooc.H.PET	2.659571e-01	0.539301677
## Inv_var_cooc_.H.PET	3.384615e-01	0.359347332
## Correlation_cooc.H.PET	3.113858e-01	0.297977507
## Autocorrelation_cooc.H.PET	-3.258606e-03	0.778689658
## Tendency_cooc.H.PET	6.040038e-01	0.030658076
## Shade_cooc.H.PET	-3.928424e-01	0.150815545
## Prominence_cooc.H.PET	7.318159e-01	-0.228174728
## IC1_d.H.PET	1.695584e-02	-0.073035264
## IC2_d.H.PET	3.723869e-01	0.320006115
## Coarseness_vdif.H.PET	-4.632150e-03	0.565196337
## Contrast_vdif.H.PET	-3.457475e-01	0.652090838
## Busyness_vdif.H.PET	6.141038e-02	-0.163241952
## Complexity_vdif.H.PET	1.196137e-01	0.395471676
## Strength_vdif.H.PET	-1.413907e-01	0.448622629
## SRE_align.H.PET	4.044669e-01	0.352772913
## LRE_align.H.PET	-2.005544e-01	0.794998802
## RLNU_align.H.PET	5.298704e-01	-0.261946734
## RP_align.H.PET	4.290419e-01	0.322024021
## LGRE_align.H.PET	8.337008e-02	0.502154825
## HGRE_align.H.PET	1.655159e-02	0.774829809
## LGSRE_align.H.PET	8.155006e-02	0.502130935
## HGSRE_align.H.PET	1.599303e-01	0.621645221
## LGHRE_align.H.PET	8.639530e-02	0.508091212
## HGLRE_align.H.PET	-3.060003e-01	0.811164590
## GLNU_norm_align.H.PET	-4.547914e-01	0.988652408
## RLNU_norm_align.H.PET	5.038773e-01	0.203271613
## GLVAR_align.H.PET	6.090344e-01	0.010511419
## RLVAR_align.H.PET	-3.815623e-01	0.698022398

## Entropy_align.H.PET	6.145400e-01	0.143985692
## SZSE.H.PET	5.459049e-01	0.133396842
## LZSE.H.PET	-1.662993e-01	0.215539524
## LGLZE.H.PET	9.063271e-02	0.497975892
## HGLZE.H.PET	3.257652e-02	0.655010233
## SZLGE.H.PET	8.238134e-02	0.500891018
## SZHGE.H.PET	2.931037e-01	0.344283417
## LZLGE.H.PET	-1.919494e-01	0.299671662
## LZHGE.H.PET	-1.962405e-01	0.320359660
## GLNU_area.H.PET	3.417367e-01	-0.186722067
## ZSNU.H.PET	6.163673e-01	-0.300716657
## ZSP.H.PET	6.629742e-01	-0.122241767
## GLNU_norm.H.PET	-4.435813e-01	0.946193556
## ZSNU_norm.H.PET	6.496098e-01	-0.052559827
## GLVAR_area.H.PET	6.072875e-01	-0.008374395
## ZSVAR_H.PET	-1.871218e-01	0.257604621
## Entropy_area.H.PET	4.697644e-01	0.295443040
## Max_cooc.W.PET	-3.291384e-01	0.922284484
## Average_cooc.W.PET	9.372082e-01	-0.306700974
## Variance_cooc.W.PET	9.014519e-01	-0.384723826
## Entropy_cooc.W.PET	6.562264e-01	0.039468492
## DAVE_cooc.W.PET	8.136517e-01	-0.262089334
## DVAR_cooc.W.PET	8.822043e-01	-0.382476396
## DENT_cooc.W.PET	6.385287e-01	0.043390369
## SAVE_cooc.W.PET	9.374134e-01	-0.307874276
## SVAR_cooc.W.PET	8.848441e-01	-0.370353951
## SENT_cooc.W.PET	5.732788e-01	0.163551636
## ASM_cooc.W.PET	-2.355291e-01	0.860566270
## Contrast_cooc.W.PET	8.644271e-01	-0.388668260
## Dissimilarity_cooc.W.PET	8.136517e-01	-0.262089334
## Inv_diff_cooc.W.PET	-2.458828e-01	0.891745707
## Inv_diff_norm_cooc.W.PET	2.950229e-01	0.510595762
## IDM_cooc.W.PET	-3.555751e-01	0.924160886
## IDM_norm_cooc.W.PET	2.916964e-01	0.509909948
## Inv_var_cooc.W.PET	-3.131301e-01	0.882577587
## Correlation_cooc.W.PET	2.460990e-01	0.353203803
## Autocorrelation_cooc.W.PET	9.964115e-01	-0.423091078
## Tendency_cooc.W.PET	8.848441e-01	-0.370353951
## Shade_cooc.W.PET	5.036895e-01	-0.190795310
## Prominence_cooc.W.PET	5.660077e-01	-0.217308154
## IC1_d.W.PET	-7.554143e-02	0.008513215
## IC2_d.W.PET	3.965961e-01	0.355928482
## Coarseness_vdif.W.PET	-1.437186e-01	0.688090905
## Contrast_vdif.W.PET	5.595865e-01	-0.112432156
## Busyness_vdif.W.PET	-3.844865e-01	0.496265164
## Complexity_vdif.W.PET	8.628304e-01	-0.334539154
## Strength_vdif.W.PET	2.829328e-01	-0.018073516
## SRE_align.W.PET	3.435739e-01	0.438580445
## LRE_align.W.PET	-1.109905e-02	0.756768378
## GLNU_align.W.PET	1.366026e-01	-0.029205403
## RLNU_align.W.PET	4.892855e-01	-0.243182993
## RP_align.W.PET	3.612596e-01	0.415984696
## LGRE_align.W.PET	-4.717991e-01	0.947901828
## HGRE_align.W.PET	9.972763e-01	-0.427318354

## LGSRE_align.W.PET	-4.576407e-01	0.937229003
## HGSRE_align.W.PET	9.959311e-01	-0.428788641
## LGHRE_align.W.PET	-4.811666e-01	0.914181466
## HGLRE_align.W.PET	1.000000e+00	-0.419976022
## GLNU_norm_align.W.PET	-4.199760e-01	1.000000000
## RLNU_norm_align.W.PET	4.161992e-01	0.339384966
## GLVAR_align.W.PET	9.385173e-01	-0.400686057
## RLVAR_align.W.PET	-3.682519e-01	0.789018216
## Entropy_align.W.PET	6.131552e-01	0.135714193
## SZSE.W.PET	4.336215e-01	0.323219651
## LZSE.W.PET	-3.138822e-01	0.598278486
## LGLZE.W.PET	-4.657675e-01	0.945251046
## HGLZE.W.PET	9.946755e-01	-0.425053581
## SZLGE.W.PET	-3.963770e-01	0.906641701
## SZHGE.W.PET	9.865779e-01	-0.424446896
## LZLGE.W.PET	-2.699285e-01	0.509338772
## LZHGE.W.PET	7.900208e-01	-0.257012655
## GLNU_area.W.PET	2.269042e-01	-0.100045452
## ZSNU.W.PET	5.507793e-01	-0.271179711
## ZSP.W.PET	5.365634e-01	0.142667173
## GLNU_norm.W.PET	-4.171274e-01	0.986998145
## ZSNU_norm.W.PET	5.525549e-01	0.145170116
## GLVAR_area.W.PET	9.363627e-01	-0.396346576
## ZSVAR.W.PET	-3.033386e-01	0.523094294
## Entropy_area.W.PET	5.238476e-01	0.245490473
## Min_hist.ADC	7.770103e-02	0.340593559
## Max_hist.ADC	2.705671e-01	0.436036510
## Mean_hist.ADC	1.704136e-01	0.503527439
## Variance_hist.ADC	1.032970e-01	0.304968333
## Standard_Deviation_hist.ADC	1.906948e-01	0.412583424
## Skewness_hist.ADC	2.592117e-01	0.085660169
## Kurtosis_hist.ADC	1.877223e-01	0.060346056
## Energy_hist.ADC	-5.601858e-03	0.567378044
## Entropy_hist.ADC	3.266120e-01	0.407278256
## AUC_hist.ADC	3.199982e-01	0.477537115
## Volume.ADC	3.890762e-01	-0.112026364
## X3D_surface.ADC	2.618068e-01	0.034032179
## ratio_3ds_vol.ADC	2.899540e-02	0.556399325
## ratio_3ds_vol_norm.ADC	2.678094e-01	0.429850322
## irregularity.ADC	2.557377e-01	0.531644632
## Compactness_v1.ADC	9.910918e-02	0.622015195
##	RLNU_norm_align.W.PET	GLVAR_align.W.PET
## Failure	-0.014234263	-0.116074671
## Entropy_cooc.W.ADC	0.009174338	0.054057148
## GLNU_align.H.PET	-0.063049935	0.002267382
## Min_hist.PET	0.674506693	0.781536390
## Max_hist.PET	0.678913633	0.879977123
## Mean_hist.PET	0.677715906	0.844085350
## Variance_hist.PET	0.409986797	0.999953476
## Standard_Deviation_hist.PET	0.684504891	0.923500447
## Skewness_hist.PET	0.494854476	0.034419520
## Kurtosis_hist.PET	0.123807056	-0.063359002
## Energy_hist.PET	0.425668860	-0.005781677
## Entropy_hist.PET	0.855016020	0.355402462

## AUC_hist.PET	0.962027692	0.248734542
## H_suv.PET	0.716666483	0.807639190
## Volume.PET	0.335925558	0.322911077
## X3D_surface.PET	0.225952324	0.273708234
## ratio_3ds_vol.PET	0.534632166	-0.017377836
## ratio_3ds_vol_norm.PET	0.547585311	0.190259461
## irregularity.PET	0.928834328	0.188401862
## tumor_length.PET	0.590989321	0.375528777
## Compactness_v1.PET	0.544399286	0.129229143
## Compactness_v2.PET	0.257252817	0.232448022
## Spherical_disproportion.PET	0.547585311	0.190259461
## Sphericity.PET	0.254509113	0.210712461
## Asphericity.PET	0.525952771	0.184958113
## Center_of_mass.PET	0.369196028	0.485986790
## Max_3D_diam.PET	0.473735804	0.441007390
## Major_axis_length.PET	0.523935946	0.503227667
## Minor_axis_length.PET	0.651647486	0.378094709
## Least_axis_length.PET	0.559947073	0.415661984
## Elongation.PET	0.820598262	0.062977730
## Flatness.PET	0.766737373	0.123903123
## Max_cooc.L.PET	0.444864389	0.029204595
## Average_cooc.L.PET	0.797566716	0.184626809
## Variance_cooc.L.PET	0.636880940	0.039664739
## Entropy_cooc.L.PET	0.959865468	0.291231050
## DAVE_cooc.L.PET	0.771875213	0.101030973
## DVAR_cooc.L.PET	0.707615443	0.136819802
## DENT_cooc.L.PET	0.956143347	0.234038278
## SAVE_cooc.L.PET	0.797393632	0.184665138
## SVAR_cooc.L.PET	0.617242609	0.045116792
## SENT_cooc.L.PET	0.942240378	0.230308092
## ASM_cooc.L.PET	0.422234250	0.031766735
## Contrast_cooc.L.PET	0.582267704	0.025660510
## Dissimilarity_cooc.L.PET	0.771875213	0.101030973
## Inv_diff_cooc.L.PET	0.806766850	0.287343192
## Inv_diff_norm_cooc.L.PET	0.959582107	0.278735662
## IDM_cooc.L.PET	0.717115851	0.266000734
## IDM_norm_cooc.L.PET	0.964993477	0.272441385
## Inv_var_cooc.L.PET	0.721348471	0.272752227
## Correlation_cooc.L.PET	0.558981105	0.212800597
## Autocorrelation_cooc.L.PET	0.582785135	0.080468374
## Tendency_cooc.L.PET	0.617242609	0.045116792
## Shade_cooc.L.PET	0.288920105	0.064319167
## Prominence_cooc.L.PET	0.417669707	-0.046270050
## IC1_.L.PET	-0.303031315	0.066229893
## IC2_.L.PET	0.851595483	0.154611414
## Coarseness_vdif_.L.PET	0.441669146	-0.055091661
## Contrast_vdif_.L.PET	0.254175503	-0.100543042
## Busyness_vdif_.L.PET	0.329663447	0.319047600
## Complexity_vdif_.L.PET	0.745626925	0.098161295
## Strength_vdif_.L.PET	0.257880401	-0.168295619
## SRE_align.L.PET	0.971071198	0.259146146
## LRE_align.L.PET	0.958843019	0.281082588
## GLNU_align.L.PET	0.269267892	0.330217886
## RLNU_align.L.PET	0.253797755	0.363844681

## RP_align.L.PET	0.971075954	0.256721752
## LGRE_align.L.PET	0.605353139	0.079783785
## HGRE_align.L.PET	0.612992035	0.094098895
## LGSRE_align.L.PET	0.611006356	0.079374302
## HGSRE_align.L.PET	0.612062539	0.091123460
## LGHRE_align.L.PET	0.579526728	0.081640954
## HGLRE_align.L.PET	0.615061872	0.106250856
## GLNU_norm_align.L.PET	0.646120160	0.082742329
## RLNU_norm_align.L.PET	0.970582274	0.249460130
## GLVAR_align.L.PET	0.663662885	0.063900499
## RLVAR_align.L.PET	0.606385964	0.215669513
## Entropy_align.L.PET	0.960780429	0.293542355
## SZSE.L.PET	0.952697660	0.257030236
## LZSE.L.PET	0.660627865	0.209971335
## LGLZE.L.PET	0.617098273	0.074976301
## HGLZE.L.PET	0.624256383	0.100476032
## SZLGE.L.PET	0.628729651	0.072518002
## SZHGE.L.PET	0.622914722	0.101750963
## LZLGE.L.PET	0.476619136	0.097219330
## LZHGE.L.PET	0.499913878	0.084449591
## GLNU_area.L.PET	0.272049215	0.333405221
## ZSNU.L.PET	0.256921407	0.363402671
## ZSP.L.PET	0.958768188	0.245910311
## GLNU_norm.L.PET	0.646484430	0.082281251
## ZSNU_norm.L.PET	0.961961450	0.232546837
## GLVAR_area.L.PET	0.675898028	0.074693893
## ZSVAR.L.PET	0.423778484	0.245521897
## Entropy_area.L.PET	0.960767502	0.304514974
## Max_cooc.H.PET	0.118234688	-0.425935164
## Average_cooc.H.PET	0.902362698	0.108403076
## Variance_cooc.H.PET	0.920246872	0.521629208
## Entropy_cooc.H.PET	0.894252051	0.497989055
## DAVE_cooc.H.PET	0.947353668	0.388600868
## DVAR_cooc.H.PET	0.898734876	0.343979377
## DENT_cooc.H.PET	0.805733145	0.335993529
## SAVE_cooc.H.PET	0.928832575	0.175578906
## SVAR_cooc.H.PET	0.861314389	0.443899937
## SENT_cooc.H.PET	0.767992334	0.483215103
## ASM_cooc.H.PET	0.114732280	-0.379179304
## Contrast_cooc.H.PET	0.870733216	0.390463340
## Dissimilarity_cooc.H.PET	0.947353668	0.388600868
## Inv_diff_cooc.H.PET	0.485600509	-0.270829979
## Inv_diff_norm_cooc.H.PET	0.948591717	0.231491053
## IDM_cooc.H.PET	0.365248798	-0.368279426
## IDM_norm_cooc.H.PET	0.960845551	0.250467084
## Inv_var_cooc_.H.PET	0.629339080	0.395317793
## Correlation_cooc.H.PET	0.587979682	0.283967779
## Autocorrelation_cooc.H.PET	0.808894433	-0.010117312
## Tendency_cooc.H.PET	0.864701327	0.545867087
## Shade_cooc.H.PET	-0.464061324	-0.260477148
## Prominence_cooc.H.PET	0.690937226	0.642906525
## IC1_d.H.PET	0.020249078	0.038778304
## IC2_d.H.PET	0.728359134	0.362725938
## Coarseness_vdif.H.PET	0.418677987	0.033957992

## Contrast_vdif.H.PET	0.149568866	-0.368404684
## Busyness_vdif.H.PET	0.116486897	0.025405984
## Complexity_vdif.H.PET	0.689438157	0.141434518
## Strength_vdif.H.PET	-0.030226133	-0.120097496
## SRE_align.H.PET	0.999525070	0.396394655
## LRE_align.H.PET	0.452872911	-0.234457315
## RLNU_align.H.PET	0.275816017	0.452578174
## RP_align.H.PET	0.998884687	0.423708291
## LGRE_align.H.PET	0.452291470	0.100083352
## HGRE_align.H.PET	0.818138449	0.007122037
## LGSRE_align.H.PET	0.450054941	0.098794182
## HGSRE_align.H.PET	0.925251053	0.165721541
## LGHRE_align.H.PET	0.461566935	0.100016613
## HGLRE_align.H.PET	0.228809563	-0.342483589
## GLNU_norm_align.H.PET	0.325036861	-0.442042942
## RLNU_norm_align.H.PET	0.983288731	0.505067921
## GLVAR_align.H.PET	0.891334411	0.538864758
## RLVAR_align.H.PET	0.067704621	-0.415771629
## Entropy_align.H.PET	0.941929883	0.577445855
## SZSE.H.PET	0.938906336	0.555017277
## LZSE.H.PET	-0.164358174	-0.172802107
## LGLZE.H.PET	0.453692400	0.104037201
## HGLZE.H.PET	0.787552730	0.052434376
## SZLGE.H.PET	0.447044311	0.098531393
## SZHGE.H.PET	0.865869657	0.353236417
## LZLGE.H.PET	-0.121332953	-0.204958597
## LZHGE.H.PET	-0.176096918	-0.207478012
## GLNU_area.H.PET	0.286965818	0.278040699
## ZSNU.H.PET	0.267085062	0.543517988
## ZSP.H.PET	0.820133769	0.687499103
## GLNU_norm.H.PET	0.337995514	-0.440728387
## ZSNU_norm.H.PET	0.854101839	0.671474145
## GLVAR_area.H.PET	0.872393076	0.533835276
## ZSVAR.H.PET	-0.173920323	-0.196524694
## Entropy_area.H.PET	0.948019428	0.426669769
## Max_cooc.W.PET	0.198018251	-0.307880147
## Average_cooc.W.PET	0.667315896	0.883535519
## Variance_cooc.W.PET	0.410785785	0.994287395
## Entropy_cooc.W.PET	0.941145149	0.637130821
## DAVE_cooc.W.PET	0.714218666	0.843660771
## DVAR_cooc.W.PET	0.458959009	0.956278247
## DENT_cooc.W.PET	0.940670799	0.642195863
## SAVE_cooc.W.PET	0.666623160	0.883665477
## SVAR_cooc.W.PET	0.372342191	0.986148422
## SENT_cooc.W.PET	0.957388482	0.576728166
## ASM_cooc.W.PET	0.263512935	-0.214567001
## Contrast_cooc.W.PET	0.474241139	0.926757998
## Dissimilarity_cooc.W.PET	0.714218666	0.843660771
## Inv_diff_cooc.W.PET	0.581027457	-0.271975791
## Inv_diff_norm_cooc.W.PET	0.958090143	0.272463631
## IDM_cooc.W.PET	0.421231699	-0.379705270
## IDM_norm_cooc.W.PET	0.964946958	0.270568457
## Inv_var_cooc.W.PET	0.507926744	-0.339094928
## Correlation_cooc.W.PET	0.562828380	0.226151683

## Autocorrelation_cooc.W.PET	0.401723776	0.951417417
## Tendency_cooc.W.PET	0.372342191	0.986148422
## Shade_cooc.W.PET	0.110583884	0.721803979
## Prominence_cooc.W.PET	0.077731194	0.737527068
## IC1_d.W.PET	-0.034895254	-0.092065489
## IC2_d.W.PET	0.815510785	0.414919572
## Coarseness_vdif.W.PET	0.406837132	-0.097197397
## Contrast_vdif.W.PET	0.637851239	0.641427213
## Busyness_vdif.W.PET	0.056028385	-0.413912450
## Complexity_vdif.W.PET	0.283800626	0.938110007
## Strength_vdif.W.PET	0.340368252	0.480152686
## SRE_align.W.PET	0.991218056	0.331311224
## LRE_align.W.PET	0.728499744	-0.044128276
## GLNU_align.W.PET	0.216812482	0.072625438
## RLNU_align.W.PET	0.266181128	0.412591634
## RP_align.W.PET	0.995014246	0.350374208
## LGRE_align.W.PET	0.329497782	-0.415377974
## HGRE_align.W.PET	0.405858585	0.952944006
## LGSRE_align.W.PET	0.376357173	-0.396559329
## HGSRE_align.W.PET	0.402871300	0.955680503
## LGHRE_align.W.PET	0.139230071	-0.445219346
## HGLRE_align.W.PET	0.416199162	0.938517311
## GLNU_norm_align.W.PET	0.339384966	-0.400686057
## RLNU_norm_align.W.PET	1.000000000	0.409458781
## GLVAR_align.W.PET	0.409458781	1.000000000
## RLVAR_align.W.PET	0.144845407	-0.397643635
## Entropy_align.W.PET	0.951954049	0.579314643
## SZSE.W.PET	0.978904071	0.433926590
## LZSE.W.PET	-0.056823982	-0.339773515
## LGLZE.W.PET	0.349238735	-0.418355081
## HGLZE.W.PET	0.410236395	0.961537527
## SZLGE.W.PET	0.454141215	-0.339750463
## SZHGE.W.PET	0.400583074	0.968324466
## LZLGE.W.PET	-0.145000385	-0.268971682
## LZHGE.W.PET	0.361339093	0.670513902
## GLNU_area.W.PET	0.255559236	0.163800316
## ZSNU.W.PET	0.270693873	0.477811791
## ZSP.W.PET	0.957161918	0.543285725
## GLNU_norm.W.PET	0.356220280	-0.402643289
## ZSNU_norm.W.PET	0.954627549	0.560086628
## GLVAR_area.W.PET	0.412584355	0.999540481
## ZSVAR.W.PET	-0.132218104	-0.323160205
## Entropy_area.W.PET	0.956666475	0.485185071
## Min_hist.ADC	0.309689027	0.047024437
## Max_hist.ADC	0.850521733	0.246032101
## Mean_hist.ADC	0.838648095	0.162484837
## Variance_hist.ADC	0.410492047	0.102533757
## Standard_Deviation_hist.ADC	0.687796416	0.184968588
## Skewness_hist.ADC	0.213345621	0.213036634
## Kurtosis_hist.ADC	0.281388948	0.187513553
## Energy_hist.ADC	0.432649279	0.024652045
## Entropy_hist.ADC	0.929321358	0.300689862
## AUC_hist.ADC	0.952395881	0.292478822
## Volume.ADC	0.321853032	0.301571339

## X3D_surface.ADC	0.424393709	0.215202108	
## ratio_3ds_vol.ADC	0.619351675	0.046295106	
## ratio_3ds_vol_norm.ADC	0.916797520	0.252290168	
## irregularity.ADC	0.933138508	0.243763820	
## Compactness_v1.ADC	0.663984949	0.114342609	
##	RLVAR_align.W.PET	Entropy_align.W.PET	SZSE.W.PET
## Failure	0.0564372015	-0.068219834	-0.007654237
## Entropy_cooc.W.ADC	0.0784500842	0.066387811	0.004189867
## GLNU_align.H.PET	0.1214692978	0.010151607	-0.083997835
## Min_hist.PET	-0.3496905537	0.761391514	0.686416060
## Max_hist.PET	-0.3028563620	0.819041216	0.693174304
## Mean_hist.PET	-0.3551932356	0.796449873	0.689667885
## Variance_hist.PET	-0.3981162964	0.579143995	0.434421626
## Standard_Deviation_hist.PET	-0.3317860368	0.818662067	0.697401938
## Skewness_hist.PET	0.2914351767	0.382564931	0.495974718
## Kurtosis_hist.PET	0.1423479329	0.070670928	0.130872477
## Energy_hist.PET	0.3387146332	0.272476125	0.424763447
## Entropy_hist.PET	0.2875525970	0.883157408	0.832262953
## AUC_hist.PET	0.3795649499	0.892329293	0.937522911
## H_suv.PET	-0.3345449184	0.790503001	0.727805700
## Volume.PET	-0.0116251357	0.468683796	0.351709375
## X3D_surface.PET	0.0765023167	0.349464210	0.241256883
## ratio_3ds_vol.PET	0.3471091404	0.339230955	0.526966809
## ratio_3ds_vol_norm.PET	0.3936580035	0.502453157	0.534040440
## irregularity.PET	0.3739843679	0.813968569	0.911256512
## tumor_length.PET	0.2497246648	0.689053451	0.583724557
## Compactness_v1.PET	0.3058401436	0.456777982	0.552892553
## Compactness_v2.PET	-0.1233322899	0.337541393	0.283012808
## Spherical_disproportion.PET	0.3936580035	0.502453157	0.534040440
## Sphericity.PET	-0.1471323490	0.336954480	0.273285488
## Asphericity.PET	0.3894075057	0.481986852	0.513044201
## Center_of_mass.PET	0.1734230224	0.475551657	0.374557800
## Max_3D_diam.PET	0.0162863219	0.636692171	0.487183506
## Major_axis_length.PET	0.0464443925	0.678097443	0.535603212
## Minor_axis_length.PET	0.2057305870	0.771601309	0.643221006
## Least_axis_length.PET	0.1193354710	0.714229830	0.549803770
## Elongation.PET	0.3734129914	0.722071909	0.776503903
## Flatness.PET	0.3041341841	0.716888237	0.712488057
## Max_cooc.L.PET	0.3722479257	0.317384818	0.443552064
## Average_cooc.L.PET	0.2519233644	0.716620602	0.763409439
## Variance_cooc.L.PET	0.2000112660	0.459080829	0.607215187
## Entropy_cooc.L.PET	0.3214966258	0.920404351	0.929296530
## DAVE_cooc.L.PET	0.1345904008	0.597959315	0.747430515
## DVAR_cooc.L.PET	0.0457092904	0.525158525	0.694514936
## DENT_cooc.L.PET	0.2917930112	0.856314545	0.928261027
## SAVE_cooc.L.PET	0.2516043959	0.716557026	0.763224264
## SVAR_cooc.L.PET	0.3049938019	0.470810940	0.581352171
## SENT_cooc.L.PET	0.3843636928	0.859202535	0.908383671
## ASM_cooc.L.PET	0.3497471785	0.303052842	0.420715684
## Contrast_cooc.L.PET	0.0062679815	0.378603493	0.566479049
## Dissimilarity_cooc.L.PET	0.1345904008	0.597959315	0.747430515
## Inv_diff_cooc.L.PET	0.4247289480	0.811151579	0.786552109
## Inv_diff_norm_cooc.L.PET	0.3804744545	0.913019035	0.934077789
## IDM_cooc.L.PET	0.4240285212	0.724799852	0.698280509

## IDM_norm_cooc.L.PET	0.3737028505	0.911080469	0.938745212
## Inv_var_cooc.L.PET	0.4228490721	0.731898431	0.715988085
## Correlation_cooc.L.PET	0.5388202058	0.631900469	0.530421942
## Autocorrelation_cooc.L.PET	0.2259623797	0.498308671	0.547433257
## Tendency_cooc.L.PET	0.3049938019	0.470810940	0.581352171
## Shade_cooc.L.PET	0.2384369858	0.193686605	0.286133427
## Prominence_cooc.L.PET	0.2801590657	0.251740808	0.389844508
## IC1_.L.PET	-0.1951574559	-0.154616589	-0.283623079
## IC2_.L.PET	0.4191500991	0.721813241	0.821916262
## Coarseness_vdif_.L.PET	0.3766416479	0.258991657	0.439171852
## Contrast_vdif_.L.PET	-0.0239094780	0.057975375	0.254310894
## Busyness_vdif_.L.PET	-0.0147128893	0.457709446	0.335527351
## Complexity_vdif_.L.PET	0.0891541382	0.547679905	0.727202221
## Strength_vdif_.L.PET	0.1984076312	0.026830462	0.268347382
## SRE_align.L.PET	0.3564301663	0.899852855	0.946985696
## LRE_align.L.PET	0.3738008552	0.913071158	0.921329379
## GLNU_align.L.PET	-0.0006822394	0.421414504	0.275070815
## RLNU_align.L.PET	-0.0413251611	0.426400826	0.259244641
## RP_align.L.PET	0.3558287566	0.898248195	0.945967332
## LGRE_align.L.PET	0.3200367989	0.465280223	0.605212779
## HGRE_align.L.PET	0.2009441666	0.521339654	0.582359427
## LGSRE_align.L.PET	0.3199730149	0.468734346	0.611214220
## HGSRE_align.L.PET	0.1976969536	0.517114863	0.583376456
## LGHRE_align.L.PET	0.3192533674	0.449435019	0.578058220
## HGLRE_align.L.PET	0.2135828315	0.537313282	0.575720827
## GLNU_norm_align.L.PET	0.4062084511	0.511518880	0.641993468
## RLNU_norm_align.L.PET	0.3528347338	0.892355077	0.943354617
## GLVAR_align.L.PET	0.2095045038	0.508755353	0.631012777
## RLVAR_align.L.PET	0.4184182891	0.588786929	0.590647181
## Entropy_align.L.PET	0.3352804547	0.921989340	0.930303912
## SZSE.L.PET	0.3315738958	0.874265287	0.963144649
## LZSE.L.PET	0.3151955840	0.667141559	0.523102928
## LGLZE.L.PET	0.3224423371	0.474936896	0.615191697
## HGLZE.L.PET	0.1991626384	0.530069277	0.593961743
## SZLGE.L.PET	0.3175687158	0.479040004	0.640007407
## SZHGE.L.PET	0.1812633341	0.519589084	0.618080163
## LZLGE.L.PET	0.3038376611	0.386843779	0.437342786
## LZHGE.L.PET	0.2203622236	0.464271810	0.372765312
## GLNU_area.L.PET	-0.0084302853	0.425181505	0.286939062
## ZSNU.L.PET	-0.0525960952	0.428050894	0.273689967
## ZSP.L.PET	0.3370151109	0.874208278	0.958447396
## GLNU_norm.L.PET	0.4069806884	0.512943393	0.642268337
## ZSNU_norm.L.PET	0.3403836288	0.870149581	0.940614483
## GLVAR_area.L.PET	0.2114136114	0.521568484	0.643892392
## ZSVAR.L.PET	0.2540819308	0.484550563	0.328463612
## Entropy_area.L.PET	0.3370498330	0.930139056	0.928813092
## Max_cooc.H.PET	0.8127205774	-0.049274478	0.115399220
## Average_cooc.H.PET	0.4915388923	0.795917593	0.872273723
## Variance_cooc.H.PET	-0.0033718513	0.959037196	0.898638591
## Entropy_cooc.H.PET	0.0085211822	0.882476145	0.878573368
## DAVE_cooc.H.PET	-0.0204534952	0.894756600	0.927621031
## DVAR_cooc.H.PET	0.0616813362	0.850287231	0.881011140
## DENT_cooc.H.PET	0.0997107927	0.817725133	0.792512086
## SAVE_cooc.H.PET	0.4299288921	0.849697339	0.899331579

## SVAR_cooc.H.PET	0.1779898383	0.918186119	0.835595559
## SENT_cooc.H.PET	0.0158709978	0.754269108	0.743402171
## ASM_cooc.H.PET	0.8013064301	-0.036221346	0.113759700
## Contrast_cooc.H.PET	-0.0958490639	0.823379876	0.856405743
## Dissimilarity_cooc.H.PET	-0.0204534952	0.894756600	0.927621031
## Inv_diff_cooc.H.PET	0.8702889940	0.360317197	0.458789743
## Inv_diff_norm_cooc.H.PET	0.4257230520	0.880721776	0.921575762
## IDM_cooc.H.PET	0.9027821545	0.230985100	0.339288509
## IDM_norm_cooc.H.PET	0.3904346689	0.894808484	0.933868517
## Inv_var_cooc_.H.PET	0.1808994929	0.588658250	0.633040635
## Correlation_cooc.H.PET	0.4614732346	0.674887527	0.559860998
## Autocorrelation_cooc.H.PET	0.6033412571	0.681252407	0.777326170
## Tendency_cooc.H.PET	0.0468310347	0.946576345	0.841091179
## Shade_cooc.H.PET	0.0722940595	-0.544932958	-0.432502170
## Prominence_cooc.H.PET	-0.1491990762	0.841247616	0.675428707
## IC1_d.H.PET	-0.4737652010	-0.102540673	0.042217824
## IC2_d.H.PET	0.4126984912	0.788509713	0.699979427
## Coarseness_vdif.H.PET	0.3407572784	0.290787292	0.418424575
## Contrast_vdif.H.PET	0.4986647073	-0.006689903	0.131767891
## Busyness_vdif.H.PET	-0.0760595688	0.189931682	0.132060557
## Complexity_vdif.H.PET	0.1597253989	0.559553198	0.656574413
## Strength_vdif.H.PET	0.2455374877	-0.109013704	-0.017924919
## SRE_align.H.PET	0.1523123521	0.948958559	0.979575214
## LRE_align.H.PET	0.8940121620	0.377272783	0.411036640
## RLNU_align.H.PET	-0.1236703266	0.450668910	0.284785177
## RP_align.H.PET	0.1100295885	0.950104242	0.979980167
## LGRE_align.H.PET	0.3122877566	0.352744536	0.451293967
## HGRE_align.H.PET	0.5858537207	0.693665558	0.792223680
## LGSRE_align.H.PET	0.3112146591	0.349857938	0.449220011
## HGSRE_align.H.PET	0.3593906229	0.807529975	0.904773765
## LGHRE_align.H.PET	0.3298089894	0.365471314	0.458578889
## HGLRE_align.H.PET	0.9641649971	0.156476090	0.202172946
## GLNU_norm_align.H.PET	0.8109532321	0.124334068	0.303262199
## RLNU_norm_align.H.PET	-0.0159407615	0.949816512	0.967889666
## GLVAR_align.H.PET	-0.0265493827	0.951608749	0.870569306
## RLVAR_align.H.PET	0.9811615754	0.024194199	0.037207910
## Entropy_align.H.PET	0.1117617166	0.998401529	0.926889711
## SZSE.H.PET	-0.0378257769	0.935549141	0.968343361
## LZSE.H.PET	0.5991064609	-0.131049677	-0.155955852
## LGLZE.H.PET	0.3096661230	0.356028481	0.452492457
## HGLZE.H.PET	0.5323083205	0.696451944	0.757345916
## SZLGE.H.PET	0.3096608211	0.347043773	0.447304703
## SZHGE.H.PET	0.1308761696	0.792743724	0.903287188
## LZLGE.H.PET	0.6947086598	-0.097440033	-0.124184354
## LZHGE.H.PET	0.6774142282	-0.154073361	-0.164086318
## GLNU_area.H.PET	-0.0503901035	0.431268070	0.301661446
## ZSNU.H.PET	-0.1993834449	0.443722117	0.291824740
## ZSP.H.PET	-0.3221166982	0.846742812	0.849102429
## GLNU_norm.H.PET	0.8056218890	0.144184349	0.307313971
## ZSNU_norm.H.PET	-0.2111785755	0.881570820	0.871448520
## GLVAR_area.H.PET	-0.0436208838	0.937938927	0.851657989
## ZSVAR_H.PET	0.6419066041	-0.144844206	-0.162031467
## Entropy_area.H.PET	0.2456890033	0.968535525	0.918804700
## Max_cooc.W.PET	0.7217116746	0.031069031	0.201580272

## Average_cooc.W.PET	-0.3219976922	0.816800827	0.676906998
## Variance_cooc.W.PET	-0.3984292651	0.566714923	0.435324437
## Entropy_cooc.W.PET	-0.0604871248	0.987964732	0.929275981
## DAVE_cooc.W.PET	-0.3784526708	0.799078820	0.727054555
## DVAR_cooc.W.PET	-0.4358279854	0.591289287	0.484463524
## DENT_cooc.W.PET	-0.1112565615	0.963044367	0.933212680
## SAVE_cooc.W.PET	-0.3227738272	0.816379249	0.676219762
## SVAR_cooc.W.PET	-0.3640262415	0.535382515	0.396060264
## SENT_cooc.W.PET	0.0509774032	0.974733782	0.938984778
## ASM_cooc.W.PET	0.6675739848	0.111459335	0.265113952
## Contrast_cooc.W.PET	-0.4533572091	0.597771014	0.498738858
## Dissimilarity_cooc.W.PET	-0.3784526708	0.799078820	0.727054555
## Inv_diff_cooc.W.PET	0.8097086693	0.443668950	0.545958173
## Inv_diff_norm_cooc.W.PET	0.3875529899	0.909525837	0.932418630
## IDM_cooc.W.PET	0.8754399810	0.279503175	0.388848569
## IDM_norm_cooc.W.PET	0.3746964017	0.910101012	0.938612499
## Inv_var_cooc.W.PET	0.8189540418	0.365630910	0.475163212
## Correlation_cooc.W.PET	0.5224610703	0.639292826	0.534436823
## Autocorrelation_cooc.W.PET	-0.3903986057	0.591746762	0.423943542
## Tendency_cooc.W.PET	-0.3640262415	0.535382515	0.396060264
## Shade_cooc.W.PET	-0.1808322791	0.209553880	0.128854411
## Prominence_cooc.W.PET	-0.1895299705	0.191821136	0.095571154
## IC1_d.W.PET	-0.3459395382	-0.155541826	-0.019975519
## IC2_d.W.PET	0.3785908937	0.843939300	0.791640236
## Coarseness_vdif.W.PET	0.3560103738	0.205951439	0.404528556
## Contrast_vdif.W.PET	-0.3366627466	0.619752327	0.646643911
## Busyness_vdif.W.PET	0.6687416778	0.015354469	0.016985105
## Complexity_vdif.W.PET	-0.3080381960	0.451591953	0.308435110
## Strength_vdif.W.PET	-0.1843390172	0.306350968	0.359441818
## SRE_align.W.PET	0.2610159407	0.932361897	0.969195608
## LRE_align.W.PET	0.7638024042	0.651603674	0.686329777
## GLNU_align.W.PET	0.2100380163	0.342730929	0.209028565
## RLNU_align.W.PET	-0.0867144066	0.439755428	0.273822388
## RP_align.W.PET	0.2292932094	0.937646738	0.972848007
## LGRE_align.W.PET	0.7355227225	0.115548498	0.310974490
## HGRE_align.W.PET	-0.3960536616	0.596225321	0.428881497
## LGSRE_align.W.PET	0.7030695770	0.154632093	0.356466272
## HGSRE_align.W.PET	-0.4012780694	0.591757570	0.426860604
## LGHRE_align.W.PET	0.8330794129	-0.025093483	0.127512291
## HGLRE_align.W.PET	-0.3682518671	0.613155208	0.433621480
## GLNU_norm_align.W.PET	0.7890182164	0.135714193	0.323219651
## RLNU_norm_align.W.PET	0.1448454068	0.951954049	0.978904071
## GLVAR_align.W.PET	-0.3976436352	0.579314643	0.433926590
## RLVAR_align.W.PET	1.0000000000	0.077387157	0.116479301
## Entropy_align.W.PET	0.0773871565	1.0000000000	0.936306954
## SZSE.W.PET	0.1164793010	0.936306954	1.0000000000
## LZSE.W.PET	0.8614360810	-0.088961423	-0.101968961
## LGLZE.W.PET	0.7667432749	0.141907987	0.326363962
## HGLZE.W.PET	-0.3977737699	0.598793237	0.433615288
## SZLGE.W.PET	0.6820052845	0.242035117	0.452783157
## SZHGE.W.PET	-0.4096522222	0.583967957	0.432187754
## LZLGE.W.PET	0.6847237528	-0.174389451	-0.141097709
## LZHGE.W.PET	-0.0438919479	0.548932860	0.281688179
## GLNU_area.W.PET	0.0895129996	0.389743975	0.266122590

## ZSNU.W.PET	-0.1485962530	0.444916130	0.292313058
## ZSP.W.PET	-0.0736508097	0.938759094	0.973808461
## GLNU_norm.W.PET	0.8007684561	0.154914568	0.337610536
## ZSNU_norm.W.PET	-0.0607652852	0.938362862	0.960011389
## GLVAR_area.W.PET	-0.3930336884	0.581969943	0.436721666
## ZSVAR.W.PET	0.8132829230	-0.151127240	-0.154313927
## Entropy_area.W.PET	0.1991101159	0.987513267	0.930145650
## Min_hist.ADC	0.1534937464	0.224581717	0.305678608
## Max_hist.ADC	0.3232964911	0.808479303	0.835519318
## Mean_hist.ADC	0.3124387025	0.740826061	0.818101207
## Variance_hist.ADC	0.2803666120	0.387798899	0.414553733
## Standard_Deviation_hist.ADC	0.3326254052	0.645782974	0.680058318
## Skewness_hist.ADC	0.1000044304	0.263396734	0.204569130
## Kurtosis_hist.ADC	0.0529526817	0.303125556	0.264386892
## Energy_hist.ADC	0.3624781557	0.308703378	0.426462023
## Entropy_hist.ADC	0.3143807009	0.903877370	0.910577543
## AUC_hist.ADC	0.3373421784	0.902785805	0.928870483
## Volume.ADC	-0.0178618903	0.444099594	0.341978149
## X3D_surface.ADC	0.0983809888	0.494239314	0.439729881
## ratio_3ds_vol.ADC	0.3142115298	0.477835751	0.584503554
## ratio_3ds_vol_norm.ADC	0.2949528913	0.869357985	0.901997387
## irregularity.ADC	0.3492733278	0.848684494	0.901673877
## Compactness_v1.ADC	0.4140750973	0.545628224	0.646824317
##	LZSE.W.PET	LGLZE.W.PET	HGLZE.W.PET
## Failure	0.035724853	0.095129668	-0.115194225
## Entropy_cooc.W.ADC	0.070098779	-0.037086091	0.063941885
## GLNU_align.H.PET	0.106249147	-0.042286905	0.002107242
## Min_hist.PET	-0.350582526	-0.220091936	0.799624263
## Max_hist.PET	-0.338895481	-0.262767639	0.888685990
## Mean_hist.PET	-0.355343303	-0.288194244	0.878562425
## Variance_hist.PET	-0.340073128	-0.417582783	0.960858524
## Standard_Deviation_hist.PET	-0.347799944	-0.292811339	0.910274370
## Skewness_hist.PET	0.104837751	0.565500790	-0.071988566
## Kurtosis_hist.PET	0.031122404	0.282650708	-0.102720508
## Energy_hist.PET	0.101418751	0.492592156	-0.045633786
## Entropy_hist.PET	0.075111010	0.313904748	0.385712807
## AUC_hist.PET	0.134231735	0.540658164	0.247656389
## H_suv.PET	-0.354129178	-0.226496052	0.804343255
## Volume.PET	-0.100661074	-0.114582357	0.393109395
## X3D_surface.PET	-0.045184579	-0.090542241	0.278892156
## ratio_3ds_vol.PET	0.172359605	0.628151558	-0.095565833
## ratio_3ds_vol_norm.PET	0.158032128	0.438407367	0.127205030
## irregularity.PET	0.153587519	0.607051853	0.177510485
## tumor_length.PET	0.062144125	0.133645676	0.383470164
## Compactness_v1.PET	0.039519911	0.404741414	0.126853069
## Compactness_v2.PET	-0.135909084	-0.133540458	0.313208874
## Spherical_disproportion.PET	0.158032128	0.438407367	0.127205030
## Sphericity.PET	-0.130352247	-0.150072596	0.289693957
## Asphericity.PET	0.156780015	0.429742796	0.120592221
## Center_of_mass.PET	0.053120909	0.024370257	0.391428182
## Max_3D_diam.PET	-0.070270134	-0.114032477	0.521414123
## Major_axis_length.PET	-0.054615230	-0.078103589	0.584417120
## Minor_axis_length.PET	0.012854950	0.084763239	0.413890515
## Least_axis_length.PET	-0.020981744	-0.035270227	0.456349569

## Elongation.PET	0.131479300	0.530374558	0.035591307	0.599893768
## Flatness.PET	0.112719710	0.407422630	0.101731055	0.455871252
## Max_cooc.L.PET	0.119830503	0.493485476	-0.008973265	0.575044322
## Average_cooc.L.PET	0.125769685	0.362005405	0.229070020	0.417394613
## Variance_cooc.L.PET	0.131500703	0.497766007	-0.003943905	0.538689249
## Entropy_cooc.L.PET	0.114826119	0.445594827	0.306722783	0.519155490
## DAVE_cooc.L.PET	0.033333724	0.467036759	0.085603735	0.538163926
## DVAR_cooc.L.PET	-0.046333316	0.416102679	0.086097952	0.496018314
## DENT_cooc.L.PET	0.102186217	0.516107639	0.233229164	0.592784239
## SAVE_cooc.L.PET	0.125706633	0.361613434	0.229169475	0.416921494
## SVAR_cooc.L.PET	0.224337055	0.529135816	-0.004754375	0.551215772
## SENT_cooc.L.PET	0.163991227	0.547982593	0.222147177	0.620091320
## ASM_cooc.L.PET	0.096314847	0.453956258	-0.004100731	0.538483111
## Contrast_cooc.L.PET	-0.033658213	0.380847498	-0.002125013	0.446165662
## Dissimilarity_cooc.L.PET	0.033333724	0.467036759	0.085603735	0.538163926
## Inv_diff_cooc.L.PET	0.145421805	0.446073759	0.285923437	0.511237683
## Inv_diff_norm_cooc.L.PET	0.136983440	0.509476196	0.284713615	0.582313376
## IDM_cooc.L.PET	0.141341484	0.424636305	0.256104136	0.487190005
## IDM_norm_cooc.L.PET	0.135281197	0.515109508	0.278040604	0.588495105
## Inv_var_cooc.L.PET	0.134578031	0.425728531	0.264140430	0.496297725
## Correlation_cooc.L.PET	0.309504916	0.381584131	0.199649103	0.381859830
## Autocorrelation_cooc.L.PET	0.154836612	0.287451897	0.128675482	0.319013021
## Tendency_cooc.L.PET	0.224337055	0.529135816	-0.004754375	0.551215772
## Shade_cooc.L.PET	0.209474666	0.453867472	-0.068632145	0.445971077
## Prominence_cooc.L.PET	0.246252292	0.541750365	-0.128740694	0.544504115
## IC1_.L.PET	-0.205188686	-0.405429394	0.118618954	-0.370888751
## IC2_.L.PET	0.208492001	0.624948237	0.116464401	0.680539326
## Coarseness_vdif_.L.PET	0.160547184	0.562368491	-0.098470576	0.628682703
## Contrast_vdif_.L.PET	-0.035701838	0.284533185	-0.123445956	0.310344016
## Busyness_vdif_.L.PET	-0.108381143	-0.100339924	0.326406192	-0.071597032
## Complexity_vdif_.L.PET	-0.017477554	0.489705816	0.063158359	0.573761071
## Strength_vdif_.L.PET	0.149756298	0.555388231	-0.237168100	0.561184180
## SRE_align.L.PET	0.125102045	0.527504521	0.262214923	0.604475787
## LRE_align.L.PET	0.141652873	0.500089403	0.285670155	0.566751539
## GLNU_align.L.PET	-0.093443655	-0.148457510	0.356153073	-0.128442087
## RLNU_align.L.PET	-0.104754555	-0.229836881	0.410647340	-0.212153910
## RP_align.L.PET	0.126292599	0.528869498	0.259716007	0.605460852
## LGRE_align.L.PET	0.067883481	0.638666081	-0.014371485	0.713265649
## HGRE_align.L.PET	0.135225943	0.279621552	0.143197844	0.318711429
## LGSRE_align.L.PET	0.065642875	0.641636785	-0.013788449	0.717991930
## HGSRE_align.L.PET	0.131967489	0.283210383	0.138518964	0.323406434
## LGHRE_align.L.PET	0.076186621	0.623039800	-0.016008741	0.690719787
## HGLRE_align.L.PET	0.148735349	0.263468483	0.162126027	0.297500440
## GLNU_norm_align.L.PET	0.118986230	0.600856357	0.037965448	0.687069246
## RLNU_norm_align.L.PET	0.128511412	0.532832308	0.251896647	0.608894993
## GLVAR_align.L.PET	0.136120058	0.461290635	0.041499684	0.505890557
## RLVAR_align.L.PET	0.118552869	0.408730892	0.195545566	0.482087227
## Entropy_align.L.PET	0.125638142	0.448956529	0.310677623	0.520675432
## SZSE.L.PET	0.080944212	0.524342070	0.258788457	0.617621614
## LZSE.L.PET	0.224493275	0.308304783	0.214010872	0.297729811
## LGLZE.L.PET	0.061988170	0.642241170	-0.014192368	0.719384724
## HGLZE.L.PET	0.132234393	0.281868663	0.146648927	0.321037051
## SZLGE.L.PET	0.040056948	0.648444362	-0.011787628	0.736581042
## SZHGE.L.PET	0.096964543	0.289260042	0.141968284	0.340593383

## LZLGE.L.PET	0.131570224	0.528082373	-0.006936649	0.557642460
## LZHGE.L.PET	0.235792314	0.184877642	0.145124880	0.167111435
## GLNU_area.L.PET	-0.105666852	-0.153904540	0.362130774	-0.129417495
## ZSNU.L.PET	-0.119609377	-0.234951408	0.413628617	-0.211497553
## ZSP.L.PET	0.096971580	0.532582493	0.247611978	0.620742866
## GLNU_norm.L.PET	0.117181587	0.599131318	0.038492965	0.686241904
## ZSNU_norm.L.PET	0.120433152	0.534896792	0.233375896	0.613908977
## GLVAR_area.L.PET	0.135182251	0.459979444	0.052144234	0.505984802
## ZSVAR.L.PET	0.132735597	0.167046894	0.235355594	0.166164909
## Entropy_area.L.PET	0.124856688	0.441688239	0.321854947	0.512282364
## Max_cooc.H.PET	0.724027349	0.875045818	-0.445026913	0.798687257
## Average_cooc.H.PET	0.260389508	0.678764779	0.106778935	0.724841900
## Variance_cooc.H.PET	-0.163944744	0.041198624	0.553909097	0.152342414
## Entropy_cooc.H.PET	-0.110486463	0.210547591	0.502525363	0.303786909
## DAVE_cooc.H.PET	-0.175700586	0.192243166	0.409108708	0.313589539
## DVAR_cooc.H.PET	-0.080413963	0.208943151	0.383862365	0.315378510
## DENT_cooc.H.PET	-0.068593034	0.178660134	0.368290131	0.263903713
## SAVE_cooc.H.PET	0.181739117	0.581826184	0.175563717	0.641261228
## SVAR_cooc.H.PET	-0.014720540	0.138935469	0.475676916	0.221400953
## SENT_cooc.H.PET	-0.137353191	0.134636538	0.446543670	0.255111406
## ASM_cooc.H.PET	0.710711584	0.809336630	-0.393185814	0.737495426
## Contrast_cooc.H.PET	-0.202486981	0.091311185	0.422298893	0.213707110
## Dissimilarity_cooc.H.PET	-0.175700586	0.192243166	0.409108708	0.313589539
## Inv_diff_cooc.H.PET	0.643091720	0.892788166	-0.278145628	0.853153545
## Inv_diff_norm_cooc.H.PET	0.185919300	0.573586455	0.232044634	0.637796286
## IDM_cooc.H.PET	0.690416004	0.904957135	-0.375921351	0.848583061
## IDM_norm_cooc.H.PET	0.152976907	0.547086146	0.251816434	0.617056439
## Inv_var_cooc.H.PET	-0.058185150	0.285279752	0.343263206	0.398162374
## Correlation_cooc.H.PET	0.233197031	0.308250442	0.276137688	0.321987860
## Autocorrelation_cooc.H.PET	0.374488455	0.782957528	-0.016170306	0.801952138
## Tendency_cooc.H.PET	-0.128489979	0.010380092	0.575507929	0.105501441
## Shade_cooc.H.PET	0.200699282	0.241943426	-0.347703967	0.176374639
## Prominence_cooc.H.PET	-0.253242039	-0.283547460	0.697365080	-0.190714030
## IC1_d.H.PET	-0.447288160	-0.136201850	0.044010125	-0.031008313
## IC2_d.H.PET	0.179939796	0.333196153	0.346752783	0.366110718
## Coarseness_vdif.H.PET	0.106089634	0.456386723	-0.004787410	0.537547738
## Contrast_vdif.H.PET	0.410588476	0.575254618	-0.357933741	0.536574289
## Busyness_vdif.H.PET	-0.090609173	-0.118190573	0.054399220	-0.124830471
## Complexity_vdif.H.PET	-0.005114677	0.365963310	0.117395249	0.471048741
## Strength_vdif.H.PET	0.355375487	0.289337363	-0.131206843	0.221360758
## SRE_align.H.PET	-0.057119881	0.360563235	0.397940001	0.464866403
## LRE_align.H.PET	0.771816267	0.797885488	-0.227868477	0.742685511
## RLNU_align.H.PET	-0.160859397	-0.275222148	0.501228021	-0.246953413
## RP_align.H.PET	-0.087021066	0.326926205	0.424561487	0.435564781
## LGRE_align.H.PET	0.065847755	0.392911206	0.077898532	0.482992936
## HGRE_align.H.PET	0.370082358	0.761035703	0.005723978	0.780585202
## LGSRE_align.H.PET	0.065309897	0.393104314	0.076294440	0.483199104
## HGSRE_align.H.PET	0.143656923	0.617981617	0.158238245	0.677977645
## LGHRE_align.H.PET	0.079883070	0.398268750	0.079294150	0.486341189
## HGLRE_align.H.PET	0.869919260	0.782361690	-0.333018372	0.690669691
## GLNU_norm_align.H.PET	0.622929216	0.960494552	-0.462186180	0.909802529
## RLNU_norm_align.H.PET	-0.181821851	0.207084676	0.504233300	0.328448469
## GLVAR_align.H.PET	-0.179998278	-0.019246259	0.584368854	0.090439315
## RLVAR_align.H.PET	0.863379996	0.704204046	-0.411960163	0.602532868

## Entropy_align.H.PET	-0.056224034	0.149093276	0.598327018	0.244436164
## SZSE.H.PET	-0.207922403	0.140338966	0.551162075	0.284920889
## LZSE.H.PET	0.754010918	0.225155049	-0.173621750	0.149316675
## LGLZE.H.PET	0.064208476	0.386808085	0.084426312	0.476989471
## HGLZE.H.PET	0.337438024	0.674106766	0.030097950	0.694572147
## SZLGE.H.PET	0.064563964	0.390863745	0.077202039	0.481136081
## SZHGE.H.PET	-0.047255886	0.356804674	0.317133119	0.461118581
## LZLGE.H.PET	0.793230667	0.301077608	-0.205942323	0.226430218
## LZHGE.H.PET	0.861293278	0.300352610	-0.206139743	0.214061211
## GLNU_area.H.PET	-0.141152970	-0.178803998	0.313670672	-0.147210711
## ZSNU.H.PET	-0.204825777	-0.324080838	0.595963066	-0.286401518
## ZSP.H.PET	-0.413960849	-0.126140334	0.680227469	0.025829502
## GLNU_norm.H.PET	0.621475671	0.945087325	-0.457190427	0.905302090
## ZSNU_norm.H.PET	-0.297131713	-0.048968982	0.661436371	0.095767736
## GLVAR_area.H.PET	-0.207947827	-0.044160093	0.583605145	0.064634404
## ZSVAR.H.PET	0.809707898	0.262666385	-0.196038496	0.185788836
## Entropy_area.H.PET	0.016546459	0.303688631	0.448608363	0.378204458
## Max_cooc.W.PET	0.613007876	0.800098157	-0.331413792	0.762159975
## Average_cooc.W.PET	-0.330325087	-0.339691820	0.931780868	-0.237960453
## Variance_cooc.W.PET	-0.340015793	-0.396304049	0.932112954	-0.316165848
## Entropy_cooc.W.PET	-0.200441435	0.052352235	0.649842647	0.167215663
## DAVE_cooc.W.PET	-0.374143959	-0.262453985	0.834373830	-0.140329506
## DVAR_cooc.W.PET	-0.361734760	-0.395539822	0.916268615	-0.303094436
## DENT_cooc.W.PET	-0.233970879	0.059399469	0.641961490	0.182584460
## SAVE_cooc.W.PET	-0.330589292	-0.340669490	0.931992646	-0.239089373
## SVAR_cooc.W.PET	-0.316026967	-0.381142891	0.913430171	-0.309920270
## SENT_cooc.W.PET	-0.124461593	0.175468293	0.567497137	0.289135679
## ASM_cooc.W.PET	0.506628193	0.717758001	-0.240457851	0.710944134
## Contrast_cooc.W.PET	-0.372577287	-0.401161494	0.897787455	-0.304943107
## Dissimilarity_cooc.W.PET	-0.374143959	-0.262453985	0.834373830	-0.140329506
## Inv_diff_cooc.W.PET	0.550980363	0.873799460	-0.271485880	0.855113645
## Inv_diff_norm_cooc.W.PET	0.144309609	0.516515795	0.278449973	0.588187956
## IDM_cooc.W.PET	0.638267004	0.896889688	-0.381146306	0.852136299
## IDM_norm_cooc.W.PET	0.136290099	0.516620864	0.276185188	0.589835634
## Inv_var_cooc.W.PET	0.540886837	0.871460445	-0.340146300	0.851243778
## Correlation_cooc.W.PET	0.291108272	0.366063831	0.212629478	0.369367776
## Autocorrelation_cooc.W.PET	-0.329729253	-0.468093851	0.997369121	-0.397077383
## Tendency_cooc.W.PET	-0.316026967	-0.381142891	0.913430171	-0.309920270
## Shade_cooc.W.PET	-0.156118220	-0.184271252	0.549542188	-0.154891615
## Prominence_cooc.W.PET	-0.151651420	-0.221803998	0.601849423	-0.198432766
## IC1_d.W.PET	-0.367940612	-0.056540685	-0.065165020	0.033245815
## IC2_d.W.PET	0.162462882	0.360275276	0.384137610	0.412797759
## Coarseness_vdif.W.PET	0.168552336	0.562102034	-0.135615748	0.611710369
## Contrast_vdif.W.PET	-0.320366315	-0.111342257	0.593419348	0.009739858
## Busyness_vdif.W.PET	0.590201014	0.580563842	-0.410675468	0.480159591
## Complexity_vdif.W.PET	-0.263063801	-0.352694926	0.885448223	-0.297407643
## Strength_vdif.W.PET	-0.193098603	0.025995867	0.340680422	0.094641557
## SRE_align.W.PET	0.037410174	0.447275660	0.333656215	0.538238408
## LRE_align.W.PET	0.551569366	0.755169123	-0.037332222	0.748284150
## GLNU_align.W.PET	0.074544524	-0.001344641	0.101485291	-0.013195544
## RLNU_align.W.PET	-0.137875836	-0.252837309	0.458933560	-0.228812473
## RP_align.W.PET	0.010833344	0.424020546	0.352390432	0.518469352
## LGRE_align.W.PET	0.548069531	0.988498600	-0.468097734	0.952479684
## HGRE_align.W.PET	-0.333330851	-0.470863752	0.999110514	-0.398342734

## LGSRE_align.W.PET	0.497622891	0.987534936	-0.453044448	0.964746993
## HGSRE_align.W.PET	-0.336446609	-0.471681519	0.999386827	-0.398750950
## LGHRE_align.W.PET	0.739042355	0.919997558	-0.481428643	0.838637140
## HGLRE_align.W.PET	-0.313882178	-0.465767499	0.994675492	-0.396376982
## GLNU_norm_align.W.PET	0.598278486	0.945251046	-0.425053581	0.906641701
## RLNU_norm_align.W.PET	-0.056823982	0.349238735	0.410236395	0.454141215
## GLVAR_align.W.PET	-0.339773515	-0.418355081	0.961537527	-0.339750463
## RLVAR_align.W.PET	0.861436081	0.766743275	-0.397773770	0.682005284
## Entropy_align.W.PET	-0.088961423	0.141907987	0.598793237	0.242035117
## SZSE.W.PET	-0.101968961	0.326363962	0.433615288	0.452783157
## LZSE.W.PET	1.000000000	0.570137277	-0.336083641	0.448921885
## LGLZE.W.PET	0.570137277	1.000000000	-0.467227540	0.973908949
## HGLZE.W.PET	-0.336083641	-0.467227540	1.000000000	-0.394662992
## SZLGE.W.PET	0.448921885	0.973908949	-0.394662992	1.000000000
## SZHGE.W.PET	-0.347216044	-0.464950474	0.997837025	-0.389483473
## LZLGE.W.PET	0.865286882	0.458623292	-0.273726776	0.353556239
## LZHGE.W.PET	0.048441988	-0.289615180	0.746424302	-0.289314699
## GLNU_area.W.PET	-0.039862823	-0.079468038	0.195393789	-0.065724188
## ZSNU.W.PET	-0.182309041	-0.287928097	0.525981475	-0.253027599
## ZSP.W.PET	-0.260379432	0.147321998	0.541344556	0.287181987
## GLNU_norm.W.PET	0.599192030	0.946613307	-0.425461068	0.917052653
## ZSNU_norm.W.PET	-0.210132468	0.147910795	0.556720064	0.282838346
## GLVAR_area.W.PET	-0.337785150	-0.414451837	0.960018542	-0.335376599
## ZSVAR.W.PET	0.986338861	0.496919727	-0.320951216	0.386185513
## Entropy_area.W.PET	0.004020310	0.256306119	0.505153328	0.338380905
## Min_hist.ADC	0.120029184	0.276019554	0.083167725	0.281750840
## Max_hist.ADC	0.101599458	0.458591454	0.255894470	0.526512942
## Mean_hist.ADC	0.133197997	0.512130661	0.166200450	0.579368204
## Variance_hist.ADC	0.105275241	0.329947661	0.093880950	0.362893319
## Standard_Deviation_hist.ADC	0.107915034	0.433156026	0.179183893	0.486670274
## Skewness_hist.ADC	0.011469854	0.077979640	0.246009831	0.076617365
## Kurtosis_hist.ADC	0.027523102	0.097497280	0.181602789	0.135352464
## Energy_hist.ADC	0.114218220	0.466648593	-0.008999058	0.546618931
## Entropy_hist.ADC	0.086624652	0.432865820	0.308600051	0.510814594
## AUC_hist.ADC	0.101128557	0.478021866	0.303791342	0.554257405
## Volume.ADC	-0.110825654	-0.095827139	0.371387112	-0.077013825
## X3D_surface.ADC	-0.042290712	0.059988852	0.237665897	0.108861915
## ratio_3ds_vol.ADC	0.165670426	0.507509876	0.034904150	0.540280382
## ratio_3ds_vol_norm.ADC	0.065992339	0.446895185	0.256455097	0.526446055
## irregularity.ADC	0.137625549	0.523255476	0.247264724	0.590093511
## Compactness_v1.ADC	0.148402036	0.546317683	0.090255476	0.631015974
##	SZHGE.W.PET	LZLGE.W.PET	LZHGE.W.PET	
## Failure	-0.108313245	0.0338172578	-0.1486578825	
## Entropy_cooc.W.ADC	0.053716471	0.0146321815	0.1433959024	
## GLNU_align.H.PET	-0.012856273	0.0269718153	0.1690093957	
## Min_hist.PET	0.799781187	-0.2967978470	0.5464619366	
## Max_hist.PET	0.884925243	-0.3031990975	0.6588575089	
## Mean_hist.PET	0.874492455	-0.3124193910	0.6412406212	
## Variance_hist.PET	0.967748229	-0.2690592069	0.6693269680	
## Standard_Deviation_hist.PET	0.909453502	-0.3105933258	0.6632609322	
## Skewness_hist.PET	-0.056339300	0.1446513206	-0.1808202632	
## Kurtosis_hist.PET	-0.095581513	0.0783701505	-0.1520348563	
## Energy_hist.PET	-0.044804619	0.0330429934	-0.0196050071	
## Entropy_hist.PET	0.368476825	-0.0524107754	0.4270208925	

## AUC_hist.PET	0.236140525	0.0076637503	0.2816632435
## H_suv.PET	0.803491349	-0.3113595839	0.5619629916
## Volume.PET	0.381590834	-0.1190622154	0.3204334671
## X3D_surface.PET	0.264244613	-0.0752378937	0.2907407487
## ratio_3ds_vol.PET	-0.087304364	0.1306664558	-0.1057413829
## ratio_3ds_vol_norm.PET	0.117110550	0.0714222324	0.2106129150
## irregularity.PET	0.172708600	0.0423890033	0.1819029999
## tumor_length.PET	0.359942804	-0.0225411549	0.4641834322
## Compactness_v1.PET	0.123308726	-0.0370068676	0.1187894591
## Compactness_v2.PET	0.311380648	-0.1228066291	0.1863564924
## Spherical_disproportion.PET	0.117110550	0.0714222324	0.2106129150
## Sphericity.PET	0.288301766	-0.1197349639	0.1680655876
## Asphericity.PET	0.110713422	0.0727804909	0.2044046008
## Center_of_mass.PET	0.387565313	0.0182595928	0.3672164224
## Max_3D_diam.PET	0.505496164	-0.1047181772	0.4691873777
## Major_axis_length.PET	0.567814054	-0.0991151661	0.5351562551
## Minor_axis_length.PET	0.389025729	-0.0771443939	0.4747864400
## Least_axis_length.PET	0.432360526	-0.1164644559	0.5136375393
## Elongation.PET	0.019167760	0.0026262509	0.1543131408
## Flatness.PET	0.082415870	-0.0398485865	0.2520990106
## Max_cooc.L.PET	-0.010777318	0.0517655653	0.0305873326
## Average_cooc.L.PET	0.214910897	-0.0282857701	0.2959842754
## Variance_cooc.L.PET	0.002060541	0.0691398382	-0.0376049186
## Entropy_cooc.L.PET	0.291697339	-0.0232781380	0.3516285122
## DAVE_cooc.L.PET	0.088690746	-0.0278141574	0.0199835660
## DVAR_cooc.L.PET	0.096906441	-0.0506241163	-0.0559651246
## DENT_cooc.L.PET	0.225553006	-0.0109482362	0.2339525204
## SAVE_cooc.L.PET	0.215008000	-0.0283173055	0.2960558632
## SVAR_cooc.L.PET	-0.001948742	0.1329533666	0.0146053541
## SENT_cooc.L.PET	0.210262259	0.0223222464	0.2817535298
## ASM_cooc.L.PET	-0.006695343	0.0201511968	0.0389051843
## Contrast_cooc.L.PET	0.008152846	-0.0415128324	-0.1154778840
## Dissimilarity_cooc.L.PET	0.088690746	-0.0278141574	0.0199835660
## Inv_diff_cooc.L.PET	0.268085244	0.0151148238	0.3819789247
## Inv_diff_norm_cooc.L.PET	0.270762442	0.0025242602	0.3342359247
## IDM_cooc.L.PET	0.238586107	0.0197048676	0.3625405276
## IDM_norm_cooc.L.PET	0.264727366	0.0013909993	0.3229521736
## Inv_var_cooc.L.PET	0.248857120	0.0258406849	0.3386845318
## Correlation_cooc.L.PET	0.178452459	0.1406457573	0.3929937463
## Autocorrelation_cooc.L.PET	0.115533573	0.0019708431	0.2224486583
## Tendency_cooc.L.PET	-0.001948742	0.1329533666	0.0146053541
## Shade_cooc.L.PET	-0.045596149	0.2788215760	-0.1972849004
## Prominence_cooc.L.PET	-0.117041460	0.2201280582	-0.1513803608
## IC1_.L.PET	0.105607178	-0.1601971759	0.1407319473
## IC2_.L.PET	0.113117710	0.0820247018	0.1540684587
## Coarseness_vdif_.L.PET	-0.094266970	0.0745239150	-0.0742260836
## Contrast_vdif_.L.PET	-0.111769674	-0.0122556015	-0.2018281461
## Busyness_vdif_.L.PET	0.312642834	-0.1252371737	0.2936554614
## Complexity_vdif_.L.PET	0.070061223	-0.0435104369	-0.0286610824
## Strength_vdif_.L.PET	-0.214301918	0.1925297877	-0.3263249688
## SRE_align.L.PET	0.251120842	-0.0009645221	0.2879912495
## LRE_align.L.PET	0.269360643	-0.0037144977	0.3632534416
## GLNU_align.L.PET	0.338616727	-0.1192996676	0.3594040858
## RLNU_align.L.PET	0.389754987	-0.1355658608	0.4267607003

## RP_align.L.PET	0.248578223	-0.0006623686	0.2873033261
## LGRE_align.L.PET	-0.007050616	0.0698701060	-0.0596782430
## HGRE_align.L.PET	0.130830837	-0.0110106960	0.2144196471
## LGSRE_align.L.PET	-0.006426222	0.0660277109	-0.0604360621
## HGSRE_align.L.PET	0.127082408	-0.0104026570	0.2012608651
## LGHRE_align.L.PET	-0.008997922	0.0838612732	-0.0551603403
## HGLRE_align.L.PET	0.145790142	-0.0138841401	0.2701473861
## GLNU_norm_align.L.PET	0.037035547	0.0504821838	0.0509529066
## RLNU_norm_align.L.PET	0.240898602	0.0002247099	0.2819265206
## GLVAR_align.L.PET	0.041676322	0.0479357551	0.0410173962
## RLVAR_align.L.PET	0.179601240	-0.0018534173	0.3058681786
## Entropy_align.L.PET	0.295008772	-0.0192026743	0.3634543438
## SZSE.L.PET	0.255781486	-0.0012842808	0.1877642007
## LZSE.L.PET	0.175291245	-0.0111233992	0.5918554757
## LGLZE.L.PET	-0.008203055	0.0525658841	-0.0500208130
## HGLZE.L.PET	0.135128706	-0.0121837251	0.2102904932
## SZLGE.L.PET	-0.003669999	0.0376730735	-0.0795351454
## SZHGE.L.PET	0.137423343	-0.0121483293	0.1264422888
## LZLGE.L.PET	-0.007891981	0.1126776736	0.0571049186
## LZHGE.L.PET	0.106945858	-0.0160006599	0.5178908005
## GLNU_area.L.PET	0.346255113	-0.1212669847	0.3404843579
## ZSNU.L.PET	0.395242371	-0.1366368894	0.3963707808
## ZSP.L.PET	0.243096472	0.0019241191	0.2021520751
## GLNU_norm.L.PET	0.037225396	0.0459426850	0.0539669371
## ZSNU_norm.L.PET	0.224981765	0.0019674074	0.2437245757
## GLVAR_area.L.PET	0.052456510	0.0456375053	0.0480728608
## ZSVAR.L.PET	0.200501990	-0.0373184178	0.5455040820
## Entropy_area.L.PET	0.305172279	-0.0221039125	0.3807325192
## Max_cooc.H.PET	-0.441790615	0.6716593633	-0.2728626407
## Average_cooc.H.PET	0.097089325	0.1268681991	0.1809940446
## Variance_cooc.H.PET	0.536187114	-0.2948841812	0.5380090901
## Entropy_cooc.H.PET	0.495241702	-0.1481436247	0.4180928345
## DAVE_cooc.H.PET	0.400730212	-0.2667548314	0.3285076606
## DVAR_cooc.H.PET	0.373921826	-0.2253086063	0.3462430051
## DENT_cooc.H.PET	0.358188362	-0.1196676631	0.3204362344
## SAVE_cooc.H.PET	0.164598399	0.0522836315	0.2291384685
## SVAR_cooc.H.PET	0.456129248	-0.1553203862	0.5202507603
## SENT_cooc.H.PET	0.435806048	-0.1943097074	0.4180802071
## ASM_cooc.H.PET	-0.391844550	0.6808403802	-0.2247032671
## Contrast_cooc.H.PET	0.415801419	-0.2814733937	0.3187435814
## Dissimilarity_cooc.H.PET	0.400730212	-0.2667548314	0.3285076606
## Inv_diff_cooc.H.PET	-0.288103548	0.4715133402	-0.0363832067
## Inv_diff_norm_cooc.H.PET	0.219598376	0.0515627063	0.2890454795
## IDM_cooc.H.PET	-0.384754146	0.5192693806	-0.1102949837
## IDM_norm_cooc.H.PET	0.239465998	0.0217843954	0.2975451718
## Inv_var_cooc.H.PET	0.340999935	-0.0955914745	0.2775364218
## Correlation_cooc.H.PET	0.253306876	0.0704665717	0.4566869446
## Autocorrelation_cooc.H.PET	-0.024747462	0.2419324874	0.0987108401
## Tendency_cooc.H.PET	0.553306693	-0.2757813400	0.6083713409
## Shade_cooc.H.PET	-0.319743510	0.3343810835	-0.4857635673
## Prominence_cooc.H.PET	0.671732430	-0.3429693756	0.7059337806
## IC1_d.H.PET	0.056717477	-0.3366273831	-0.1826986660
## IC2_d.H.PET	0.328070152	0.0281821082	0.4689925917
## Coarseness_vdif.H.PET	-0.005500801	0.0505366606	0.0246060383

## Contrast_vdif.H.PET	-0.359684122	0.1551861721	-0.1701358087
## Busyness_vdif.H.PET	0.050405497	-0.0850944420	0.0067265728
## Complexity_vdif.H.PET	0.109903598	-0.1180074390	0.1545452923
## Strength_vdif.H.PET	-0.123985353	0.5809239677	-0.1488339758
## SRE_align.H.PET	0.388243613	-0.1464542801	0.3499025731
## LRE_align.H.PET	-0.242725348	0.5986435762	0.0682577743
## RLNU_align.H.PET	0.482132608	-0.1683654952	0.4689940814
## RP_align.H.PET	0.415657664	-0.1661261213	0.3584272644
## LGRE_align.H.PET	0.073640405	-0.0098014645	0.1100773036
## HGRE_align.H.PET	-0.002365362	0.2516963480	0.0935515956
## LGSRE_align.H.PET	0.072179243	-0.0095758566	0.1075211440
## HGSRE_align.H.PET	0.152833319	0.0601551587	0.1443519649
## LGHRE_align.H.PET	0.073981106	-0.0030513808	0.1236388929
## HGLRE_align.H.PET	-0.343324827	0.7205661032	-0.0171575743
## GLNU_norm_align.H.PET	-0.462507626	0.5108446278	-0.2714803442
## RLNU_norm_align.H.PET	0.497130068	-0.2330077371	0.3919085834
## GLVAR_align.H.PET	0.564193755	-0.3069450214	0.5758456840
## RLVAR_align.H.PET	-0.423904243	0.6784481784	-0.0456123776
## Entropy_align.H.PET	0.582794084	-0.1469078242	0.5613772290
## SZSE.H.PET	0.551553762	-0.2017621286	0.3448959525
## LZSE.H.PET	-0.173344122	0.8370047207	-0.0375685591
## LGLZE.H.PET	0.079730592	-0.0118990824	0.1185323634
## HGLZE.H.PET	0.023730334	0.2733372947	0.0871012538
## SZLGE.H.PET	0.073251820	-0.0084883777	0.1059471879
## SZHGE.H.PET	0.329012854	0.0036195634	0.0863144704
## LZLGE.H.PET	-0.210011354	0.7680892748	0.0131996798
## LZHGE.H.PET	-0.205763425	0.9101621380	-0.0221751999
## GLNU_area.H.PET	0.296466152	-0.1589379902	0.2974019428
## ZSNU.H.PET	0.583268193	-0.1770363769	0.4797259769
## ZSP.H.PET	0.685200550	-0.3547592108	0.3820085435
## GLNU_norm.H.PET	-0.460300821	0.4317386824	-0.2156406252
## ZSNU_norm.H.PET	0.662213963	-0.2671493601	0.4399116686
## GLVAR_area.H.PET	0.563401525	-0.3213504247	0.5596804546
## ZSVAR.H.PET	-0.195800441	0.8482468168	-0.0283753196
## Entropy_area.H.PET	0.430102459	-0.1119502582	0.4776817416
## Max_cooc.W.PET	-0.329000684	0.5915563676	-0.1950633280
## Average_cooc.W.PET	0.922673765	-0.3105465928	0.7333814442
## Variance_cooc.W.PET	0.943105335	-0.2654574183	0.6243346429
## Entropy_cooc.W.PET	0.638628801	-0.2516457150	0.5389950894
## DAVE_cooc.W.PET	0.838952614	-0.3217146119	0.5492502591
## DVAR_cooc.W.PET	0.929368684	-0.2777868665	0.5822545845
## DENT_cooc.W.PET	0.636172030	-0.2591300199	0.4863566263
## SAVE_cooc.W.PET	0.922889397	-0.3106476370	0.7334571658
## SVAR_cooc.W.PET	0.923274048	-0.2484647052	0.6274765053
## SENT_cooc.W.PET	0.556327310	-0.1982566884	0.5004231376
## ASM_cooc.W.PET	-0.240455269	0.4730740677	-0.1207805901
## Contrast_cooc.W.PET	0.910808856	-0.2862620702	0.5602960098
## Dissimilarity_cooc.W.PET	0.838952614	-0.3217146119	0.5492502591
## Inv_diff_cooc.W.PET	-0.284751918	0.3562110761	-0.0241927559
## Inv_diff_norm_cooc.W.PET	0.264537216	0.0095717368	0.3301807466
## IDM_cooc.W.PET	-0.392659567	0.4421736401	-0.1021663111
## IDM_norm_cooc.W.PET	0.262890350	0.0025511910	0.3215088536
## Inv_var_cooc.W.PET	-0.352791418	0.3207682529	-0.0780382921
## Correlation_cooc.W.PET	0.191442230	0.1238974875	0.4002215012

## Autocorrelation_cooc.W.PET	0.993292144	-0.2714022138	0.7598627551
## Tendency_cooc.W.PET	0.923274048	-0.2484647052	0.6274765053
## Shade_cooc.W.PET	0.569337793	-0.1098577336	0.3261160764
## Prominence_cooc.W.PET	0.616554382	-0.1075654712	0.3970311539
## IC1_d.W.PET	-0.061228461	-0.2851360915	-0.2069209532
## IC2_d.W.PET	0.372542255	0.0264694030	0.4474249713
## Coarseness_vdif.W.PET	-0.130044247	0.0951143786	-0.1203849186
## Contrast_vdif.W.PET	0.607431506	-0.2615665354	0.3100283938
## Busyness_vdif.W.PET	-0.421696493	0.4655718834	-0.1585103025
## Complexity_vdif.W.PET	0.892512180	-0.2030660108	0.6321937341
## Strength_vdif.W.PET	0.371387990	-0.1296073713	0.0884739206
## SRE_align.W.PET	0.322984965	-0.0720181508	0.3245921401
## LRE_align.W.PET	-0.053679080	0.3595231652	0.1940435416
## GLNU_align.W.PET	0.080266198	-0.0096850914	0.2280440206
## RLNU_align.W.PET	0.439097346	-0.1552272213	0.4475136441
## RP_align.W.PET	0.341941058	-0.0935504072	0.3326663984
## LGRE_align.W.PET	-0.463227325	0.4824364512	-0.3299723039
## HGRE_align.W.PET	0.995265190	-0.2731496099	0.7560544924
## LGSRE_align.W.PET	-0.448040936	0.4219279487	-0.3244358964
## HGSRE_align.W.PET	0.996479375	-0.2732687727	0.7488309026
## LGHRE_align.W.PET	-0.477468702	0.7281880022	-0.3128781519
## HGLRE_align.W.PET	0.986577907	-0.2699285247	0.7900207882
## GLNU_norm_align.W.PET	-0.424446896	0.5093387717	-0.2570126554
## RLNU_norm_align.W.PET	0.400583074	-0.1450003849	0.3613390929
## GLVAR_align.W.PET	0.968324466	-0.2689716818	0.6705139023
## RLVAR_align.W.PET	-0.409652222	0.6847237528	-0.0438919479
## Entropy_align.W.PET	0.583967957	-0.1743894511	0.5489328598
## SZSE.W.PET	0.432187754	-0.1410977089	0.2816881795
## LZSE.W.PET	-0.347216044	0.8652868824	0.0484419877
## LGLZE.W.PET	-0.464950474	0.4586232925	-0.2896151804
## HGLZE.W.PET	0.997837025	-0.2737267759	0.7464243017
## SZLGE.W.PET	-0.389483473	0.3535562391	-0.2893146989
## SZHGE.W.PET	1.000000000	-0.2719281065	0.7090233626
## LZLGE.W.PET	-0.271928106	1.0000000000	-0.1344055540
## LZHGE.W.PET	0.709023363	-0.1344055540	1.0000000000
## GLNU_area.W.PET	0.177303350	-0.0892405666	0.2384636842
## ZSNU.W.PET	0.510661703	-0.1700535947	0.4476877884
## ZSP.W.PET	0.540139372	-0.2679621866	0.3412905224
## GLNU_norm.W.PET	-0.426200516	0.4545068521	-0.2324990163
## ZSNU_norm.W.PET	0.553320519	-0.2355621848	0.4006735130
## GLVAR_area.W.PET	0.966959009	-0.2680551498	0.6699539535
## ZSVAR.W.PET	-0.327100007	0.8857109859	0.0124788058
## Entropy_area.W.PET	0.487892033	-0.1076814189	0.5111012490
## Min_hist.ADC	0.089308282	0.0648590173	0.0568462680
## Max_hist.ADC	0.243258775	-0.0039516611	0.2797497149
## Mean_hist.ADC	0.160981007	0.0176787602	0.1902653394
## Variance_hist.ADC	0.088174461	0.0745826695	0.0788849301
## Standard_Deviation_hist.ADC	0.170410212	0.0432682057	0.1730711336
## Skewness_hist.ADC	0.236194607	-0.0566653271	0.2641135514
## Kurtosis_hist.ADC	0.168930527	-0.0465784904	0.2659744550
## Energy_hist.ADC	-0.011792236	0.0318091772	0.0408444747
## Entropy_hist.ADC	0.294247150	-0.0288170711	0.3360551809
## AUC_hist.ADC	0.289964471	-0.0299028505	0.3380732659
## Volume.ADC	0.360759698	-0.1220485938	0.2934614831

## X3D_surface.ADC	0.221602675	-0.0788574368	0.2509383046
## ratio_3ds_vol.ADC	0.035471802	0.0744057767	0.0498459201
## ratio_3ds_vol_norm.ADC	0.245336922	-0.0441008290	0.2591319856
## irregularity.ADC	0.238095042	0.0136608673	0.2722085268
## Compactness_v1.ADC	0.083231374	0.0363732990	0.1549640156
##	GLNU_area.W.PET	ZSNU.W.PET	ZSP.W.PET
## Failure	-1.749538e-01	-0.1812775712	-0.0335175730
## Entropy_cooc.W.ADC	1.369745e-01	0.1354123209	0.0002846824
## GLNU_align.H.PET	2.709317e-01	0.2584727733	-0.0903678465
## Min_hist.PET	1.917239e-01	0.4360595964	0.7830708934
## Max_hist.PET	3.664403e-01	0.5830523431	0.7814656259
## Mean_hist.PET	2.325512e-01	0.4932738926	0.7891815534
## Variance_hist.PET	1.615837e-01	0.4764930074	0.5440144066
## Standard_Deviation_hist.PET	2.601094e-01	0.5071380094	0.7942704176
## Skewness_hist.PET	1.579745e-01	-0.0003052533	0.4331848310
## Kurtosis_hist.PET	1.897667e-01	0.0128437563	0.0976569277
## Energy_hist.PET	-1.590546e-01	-0.1434483706	0.3658593298
## Entropy_hist.PET	5.214053e-01	0.4604615975	0.7867242797
## AUC_hist.PET	2.928307e-01	0.2289595402	0.8640500012
## H_suv.PET	1.094234e-01	0.3412158978	0.8240810963
## Volume.PET	6.904569e-01	0.6816179609	0.3542648702
## X3D_surface.PET	8.335413e-01	0.8504659464	0.2460688356
## ratio_3ds_vol.PET	-2.701935e-01	-0.2827381212	0.4490869591
## ratio_3ds_vol_norm.PET	1.551020e-01	0.1324449605	0.4641260070
## irregularity.PET	1.384500e-01	0.0854569046	0.8297209029
## tumor_length.PET	6.892196e-01	0.6842259195	0.5519527031
## Compactness_v1.PET	4.546876e-02	0.0678601259	0.5044105450
## Compactness_v2.PET	2.988901e-01	0.3483723942	0.3047191411
## Spherical_disproportion.PET	1.551020e-01	0.1324449605	0.4641260070
## Sphericity.PET	3.492167e-01	0.3583807909	0.2972757624
## Asphericity.PET	1.485706e-01	0.1272875471	0.4441025845
## Center_of_mass.PET	5.764673e-01	0.6397347246	0.3642799997
## Max_3D_diam.PET	8.028917e-01	0.8152181461	0.4918177308
## Major_axis_length.PET	7.806014e-01	0.8491803552	0.5367562876
## Minor_axis_length.PET	7.881376e-01	0.7232402098	0.6179582505
## Least_axis_length.PET	8.408856e-01	0.8015412862	0.5412167773
## Elongation.PET	1.216361e-01	-0.0016059308	0.7097927505
## Flatness.PET	2.232592e-01	0.1108435941	0.6594703312
## Max_cooc.L.PET	-9.093036e-02	-0.0927805042	0.3798986303
## Average_cooc.L.PET	-3.778099e-03	0.0391322961	0.7109570196
## Variance_cooc.L.PET	-2.563948e-01	-0.2190264194	0.5562088347
## Entropy_cooc.L.PET	2.791236e-01	0.2454665743	0.8691443643
## DAVE_cooc.L.PET	-1.668052e-01	-0.1300608866	0.7127784623
## DVAR_cooc.L.PET	-1.509888e-01	-0.1195426570	0.6823389500
## DENT_cooc.L.PET	1.353642e-01	0.1169129567	0.8687815771
## SAVE_cooc.L.PET	-3.660016e-03	0.0392538354	0.7108180321
## SVAR_cooc.L.PET	-1.959408e-01	-0.1783749675	0.5090906059
## SENT_cooc.L.PET	1.862829e-01	0.1439414163	0.8336159462
## ASM_cooc.L.PET	-8.776796e-02	-0.0821247741	0.3637328630
## Contrast_cooc.L.PET	-3.178850e-01	-0.2540971646	0.5561082890
## Dissimilarity_cooc.L.PET	-1.668052e-01	-0.1300608866	0.7127784623
## Inv_diff_cooc.L.PET	4.691636e-01	0.3654015671	0.7137030366
## Inv_diff_norm_cooc.L.PET	3.336823e-01	0.2684210357	0.8614031933
## IDM_cooc.L.PET	4.603986e-01	0.3515078809	0.6285005304

## IDM_norm_cooc.L.PET	3.093581e-01	0.2495036161	0.8666849120
## Inv_var_cooc.L.PET	4.673324e-01	0.3599969566	0.6404015599
## Correlation_cooc.L.PET	4.866669e-01	0.3750501054	0.4288056204
## Autocorrelation_cooc.L.PET	-1.443376e-01	-0.0848502579	0.4953221834
## Tendency_cooc.L.PET	-1.959408e-01	-0.1783749675	0.5090906059
## Shade_cooc.L.PET	-1.278280e-01	-0.1536760950	0.2318548622
## Prominence_cooc.L.PET	-3.212584e-01	-0.3092094642	0.3148398564
## IC1_.L.PET	2.333889e-01	0.2416165264	-0.2209343250
## IC2_.L.PET	1.608328e-02	-0.0142051141	0.7364386927
## Coarseness_vdif_.L.PET	-2.539629e-01	-0.2376118566	0.3628075330
## Contrast_vdif_.L.PET	-2.633944e-01	-0.2205805085	0.2495546253
## Busyness_vdif_.L.PET	9.239949e-01	0.8930293433	0.3513195202
## Complexity_vdif_.L.PET	-1.905151e-01	-0.1473066350	0.7035129733
## Strength_vdif_.L.PET	-3.774615e-01	-0.3747592323	0.2075628478
## SRE_align.L.PET	2.582983e-01	0.2087264747	0.8761619365
## LRE_align.L.PET	3.366926e-01	0.2705041642	0.8547178905
## GLNU_align.L.PET	9.417697e-01	0.9221964206	0.2898519988
## RLNU_align.L.PET	9.393323e-01	0.9726880517	0.2848932109
## RP_align.L.PET	2.525659e-01	0.2039475407	0.8755304524
## LGRE_align.L.PET	9.920133e-02	-0.0106626427	0.5421441345
## HGRE_align.L.PET	-1.373690e-01	-0.0720428688	0.5353050028
## LGSRE_align.L.PET	9.193824e-02	-0.0148256187	0.5479639725
## HGSRE_align.L.PET	-1.444516e-01	-0.0789389529	0.5359621531
## LGHRE_align.L.PET	1.281517e-01	0.0065062110	0.5159926664
## HGLRE_align.L.PET	-1.076990e-01	-0.0433965674	0.5307190516
## GLNU_norm_align.L.PET	6.483539e-02	0.0035067183	0.5671574872
## RLNU_norm_align.L.PET	2.326699e-01	0.1874714886	0.8739577020
## GLVAR_align.L.PET	-2.160239e-01	-0.1744576095	0.5792888010
## RLVAR_align.L.PET	3.166423e-01	0.2494470788	0.5271282653
## Entropy_align.L.PET	2.854661e-01	0.2525514764	0.8669133044
## SZSE.L.PET	2.338777e-01	0.1941299788	0.8851507714
## LZSE.L.PET	3.232972e-01	0.2426218785	0.5063285620
## LGLZE.L.PET	9.996912e-02	-0.0107169856	0.5522640935
## HGLZE.L.PET	-1.377416e-01	-0.0732561327	0.5482130650
## SZLGE.L.PET	7.667932e-02	-0.0222817157	0.5739673524
## SZHGE.L.PET	-1.480744e-01	-0.0826892863	0.5676325300
## LZLGE.L.PET	1.857828e-01	0.0438047989	0.3903176906
## LZHGE.L.PET	-6.002706e-02	-0.0098839660	0.3584033208
## GLNU_area.L.PET	9.497240e-01	0.9360659784	0.3000686273
## ZSNU.L.PET	9.372223e-01	0.9743737825	0.2976604480
## ZSP.L.PET	2.152121e-01	0.1780016299	0.8844165383
## GLNU_norm.L.PET	6.632965e-02	0.0058144619	0.5677360080
## ZSNU_norm.L.PET	1.828175e-01	0.1506382744	0.8764143646
## GLVAR_area.L.PET	-2.147495e-01	-0.1733127752	0.5932074470
## ZSVAR.L.PET	3.941038e-01	0.2978142740	0.3078641684
## Entropy_area.L.PET	3.138042e-01	0.2742770811	0.8645976404
## Max_cooc.H.PET	-1.383054e-01	-0.2908468203	-0.0728153909
## Average_cooc.H.PET	2.074929e-01	0.1087857797	0.7674039383
## Variance_cooc.H.PET	3.549743e-01	0.4098315760	0.9169221869
## Entropy_cooc.H.PET	2.367188e-01	0.2868014339	0.8794996515
## DAVE_cooc.H.PET	1.797106e-01	0.2168218570	0.9410737274
## DVAR_cooc.H.PET	1.625985e-01	0.1975045115	0.8767432467
## DENT_cooc.H.PET	3.635336e-01	0.3825472559	0.7898577887
## SAVE_cooc.H.PET	2.454146e-01	0.1570652565	0.8150931797

## SVAR_cooc.H.PET	4.238510e-01	0.4288590105	0.8230681445
## SENT_cooc.H.PET	7.569100e-02	0.1687550619	0.7648843397
## ASM_cooc.H.PET	-1.312253e-01	-0.2571628643	-0.0621845655
## Contrast_cooc.H.PET	1.116840e-01	0.1788585914	0.8883002237
## Dissimilarity_cooc.H.PET	1.797106e-01	0.2168218570	0.9410737274
## Inv_diff_cooc.H.PET	1.337869e-01	-0.0716754155	0.2692837782
## Inv_diff_norm_cooc.H.PET	2.823891e-01	0.2140165947	0.8368886732
## IDM_cooc.H.PET	8.841591e-02	-0.1357867694	0.1407194307
## IDM_norm_cooc.H.PET	2.827319e-01	0.2217456054	0.8568771455
## Inv_var_cooc_.H.PET	7.491113e-02	0.1579291899	0.6201362618
## Correlation_cooc.H.PET	4.961443e-01	0.4162978889	0.4768406373
## Autocorrelation_cooc.H.PET	1.609738e-01	0.0328057979	0.6448254407
## Tendency_cooc.H.PET	4.546907e-01	0.4979907832	0.8503971675
## Shade_cooc.H.PET	-2.121259e-01	-0.2299533035	-0.4730336065
## Prominence_cooc.H.PET	4.714053e-01	0.5870459885	0.7325411967
## IC1_d.H.PET	-3.699426e-01	-0.2004894572	0.1328490674
## IC2_d.H.PET	4.600670e-01	0.3993539491	0.6296102012
## Coarseness_vdif.H.PET	-1.308511e-01	-0.1124154271	0.3634018285
## Contrast_vdif.H.PET	-1.298976e-01	-0.2235694931	-0.0048208360
## Busyness_vdif.H.PET	5.820773e-01	0.4163331050	0.1404622840
## Complexity_vdif.H.PET	-1.381159e-01	-0.1184762646	0.6351561486
## Strength_vdif.H.PET	-1.476548e-01	-0.1372797875	-0.0727661814
## SRE_align.H.PET	2.584706e-01	0.2676418741	0.9544026489
## LRE_align.H.PET	1.801295e-01	-0.0239014998	0.2343046335
## RLNU_align.H.PET	8.793699e-01	0.9961614699	0.3263154716
## RP_align.H.PET	2.431025e-01	0.2702081158	0.9645723142
## LGRE_align.H.PET	-7.449538e-02	-0.0404470149	0.4049226819
## HGRE_align.H.PET	1.818214e-01	0.0606288004	0.6623221707
## LGSRE_align.H.PET	-7.726073e-02	-0.0428854600	0.4029871583
## HGSRE_align.H.PET	1.885233e-01	0.1250018584	0.8222950610
## LGHRE_align.H.PET	-5.787201e-02	-0.0296432901	0.4096372654
## HGLRE_align.H.PET	9.551302e-02	-0.1178830132	0.0129102196
## GLNU_norm_align.H.PET	-7.356402e-02	-0.2712952313	0.1146959797
## RLNU_norm_align.H.PET	2.185783e-01	0.2883716384	0.9829313917
## GLVAR_align.H.PET	3.720553e-01	0.4331784553	0.8958367068
## RLVAR_align.H.PET	1.225029e-01	-0.1361681383	-0.1481284979
## Entropy_align.H.PET	4.038584e-01	0.4520963853	0.9237816458
## SZSE.H.PET	2.618551e-01	0.3374030594	0.9873139280
## LZSE.H.PET	-2.144334e-02	-0.1041964147	-0.2377630725
## LGLZE.H.PET	-7.457698e-02	-0.0391382070	0.4067464700
## HGLZE.H.PET	2.428048e-01	0.1260103816	0.6517845549
## SZLGE.H.PET	-8.038360e-02	-0.0459013465	0.4010673436
## SZHGE.H.PET	1.964426e-01	0.1872588474	0.8844593704
## LZLGE.H.PET	-1.071280e-02	-0.1202294364	-0.2283539491
## LZHGE.H.PET	-4.162842e-02	-0.1241448867	-0.2689000550
## GLNU_area.H.PET	9.760722e-01	0.9312749529	0.3206768304
## ZSNU.H.PET	7.715641e-01	0.9880959558	0.3471597362
## ZSP.H.PET	1.829212e-01	0.3543079161	0.9391666717
## GLNU_norm.H.PET	-6.974658e-02	-0.2634112895	0.1162156181
## ZSNU_norm.H.PET	1.960568e-01	0.3470639890	0.9443196317
## GLVAR_area.H.PET	3.658237e-01	0.4223553980	0.8828593404
## ZSVAR.H.PET	-2.928171e-02	-0.1164702046	-0.2591546280
## Entropy_area.H.PET	4.198499e-01	0.3924710809	0.8807240282
## Max_cooc.W.PET	-1.616345e-01	-0.2537281480	0.0421541598

## Average_cooc.W.PET	2.631378e-01	0.5244495183	0.7706228189
## Variance_cooc.W.PET	1.360957e-01	0.4404896838	0.5455171611
## Entropy_cooc.W.PET	3.436475e-01	0.4383925301	0.9604461326
## DAVE_cooc.W.PET	1.355777e-01	0.3754326764	0.8327922415
## DVAR_cooc.W.PET	5.664591e-02	0.3570981013	0.6037635219
## DENT_cooc.W.PET	2.648308e-01	0.3747428869	0.9745526724
## SAVE_cooc.W.PET	2.633949e-01	0.5247399864	0.7700692992
## SVAR_cooc.W.PET	1.702785e-01	0.4661301183	0.4973795096
## SENT_cooc.W.PET	3.077468e-01	0.3680735075	0.9477788607
## ASM_cooc.W.PET	-1.405898e-01	-0.2037476631	0.1284935564
## Contrast_cooc.W.PET	3.456135e-02	0.3341215769	0.6223934273
## Dissimilarity_cooc.W.PET	1.355777e-01	0.3754326764	0.8327922415
## Inv_diff_cooc.W.PET	1.611150e-01	-0.0554112114	0.3676397199
## Inv_diff_norm_cooc.W.PET	3.305116e-01	0.2638719502	0.8580747151
## IDM_cooc.W.PET	1.069199e-01	-0.1287325635	0.1946963657
## IDM_norm_cooc.W.PET	3.081511e-01	0.2480244024	0.8662987160
## Inv_var_cooc.W.PET	1.487706e-01	-0.0887499386	0.2896061714
## Correlation_cooc.W.PET	4.906934e-01	0.3820765456	0.4372040256
## Autocorrelation_cooc.W.PET	1.895434e-01	0.5237127599	0.5300365469
## Tendency_cooc.W.PET	1.702785e-01	0.4661301183	0.4973795096
## Shade_cooc.W.PET	7.160979e-02	0.2381463846	0.1801069326
## Prominence_cooc.W.PET	4.932004e-02	0.2425932968	0.1469740772
## IC1_d.W.PET	-2.791051e-01	-0.1541856758	0.0405819055
## IC2_d.W.PET	3.458074e-01	0.3095679071	0.7324621039
## Coarseness_vdif.W.PET	-2.743009e-01	-0.2543765270	0.3263926220
## Contrast_vdif.W.PET	-1.691295e-01	0.0401400313	0.7419907105
## Busyness_vdif.W.PET	3.876099e-01	0.1047638435	-0.1324710270
## Complexity_vdif.W.PET	2.010115e-01	0.4838769528	0.3932786191
## Strength_vdif.W.PET	-1.768496e-01	-0.1127824628	0.4144734403
## SRE_align.W.PET	2.699956e-01	0.2469063809	0.9200017677
## LRE_align.W.PET	2.492657e-01	0.0802481298	0.5386707749
## GLNU_align.W.PET	9.829114e-01	0.7743816025	0.1806782337
## RLNU_align.W.PET	9.114404e-01	0.9887105236	0.3079132960
## RP_align.W.PET	2.649094e-01	0.2522922251	0.9306470211
## LGRE_align.W.PET	-9.229804e-02	-0.2920564133	0.1366182251
## HGRE_align.W.PET	1.957576e-01	0.5292849547	0.5359822795
## LGSRE_align.W.PET	-8.973642e-02	-0.2873281815	0.1879681279
## HGSRE_align.W.PET	1.884387e-01	0.5237292112	0.5348647582
## LGHRE_align.W.PET	-9.463044e-02	-0.2878284810	-0.0562112580
## HGLRE_align.W.PET	2.269042e-01	0.5507793145	0.5365633696
## GLNU_norm_align.W.PET	-1.000455e-01	-0.2711797107	0.1426671727
## RLNU_norm_align.W.PET	2.555592e-01	0.2706938733	0.9571619180
## GLVAR_align.W.PET	1.638003e-01	0.4778117907	0.5432857249
## RLVAR_align.W.PET	8.951300e-02	-0.1485962530	-0.0736508097
## Entropy_align.W.PET	3.897440e-01	0.4449161301	0.9387590935
## SZSE.W.PET	2.661226e-01	0.2923130575	0.9738084608
## LZSE.W.PET	-3.986282e-02	-0.1823090412	-0.2603794322
## LGLZE.W.PET	-7.946804e-02	-0.2879280970	0.1473219982
## HGLZE.W.PET	1.953938e-01	0.5259814751	0.5413445563
## SZLGE.W.PET	-6.572419e-02	-0.2530275989	0.2871819867
## SZHGE.W.PET	1.773033e-01	0.5106617029	0.5401393716
## LZLGE.W.PET	-8.924057e-02	-0.1700535947	-0.2679621866
## LZHGE.W.PET	2.384637e-01	0.4476877884	0.3412905224
## GLNU_area.W.PET	1.000000e+00	0.8547470423	0.2566706466

## ZSNU.W.PET	8.547470e-01	1.0000000000	0.3361447701
## ZSP.W.PET	2.566706e-01	0.3361447701	1.0000000000
## GLNU_norm.W.PET	-9.553022e-02	-0.2688214986	0.1533641396
## ZSNU_norm.W.PET	2.355575e-01	0.3307118312	0.9895552882
## GLVAR_area.W.PET	1.638534e-01	0.4722548115	0.5452597612
## ZSVAR.W.PET	-6.091745e-02	-0.1839162138	-0.3046002205
## Entropy_area.W.PET	4.031483e-01	0.4076284572	0.9037225681
## Min_hist.ADC	-1.566063e-01	-0.0686788796	0.2491267971
## Max_hist.ADC	3.545785e-01	0.2746713845	0.7735757612
## Mean_hist.ADC	1.976371e-01	0.1408105105	0.7473420123
## Variance_hist.ADC	3.048645e-01	0.2426817227	0.3739419894
## Standard_Deviation_hist.ADC	3.362820e-01	0.2603678131	0.6265506948
## Skewness_hist.ADC	1.485142e-01	0.1658808339	0.1862189915
## Kurtosis_hist.ADC	1.094825e-01	0.1220569993	0.2445829378
## Energy_hist.ADC	-1.084415e-01	-0.0972941488	0.3659348047
## Entropy_hist.ADC	3.538579e-01	0.2952632167	0.8546454009
## AUC_hist.ADC	3.170980e-01	0.2628792221	0.8645794950
## Volume.ADC	6.722830e-01	0.6649682066	0.3448178448
## X3D_surface.ADC	5.175056e-01	0.4526370862	0.4256629205
## ratio_3ds_vol.ADC	-4.244604e-02	-0.0707665340	0.5141385076
## ratio_3ds_vol_norm.ADC	4.207189e-01	0.3194655307	0.8414464093
## irregularity.ADC	1.924017e-01	0.1537044487	0.8316898838
## Compactness_v1.ADC	-4.220201e-02	-0.0312596162	0.5763266149
##	GLNU_norm.W.PET	ZSNU_norm.W.PET	GLVAR_area.W.PET
## Failure	0.119495855	-0.053969740	-0.1152007879
## Entropy_cooc.W.ADC	-0.031365186	0.002849008	0.0565164468
## GLNU_align.H.PET	-0.053675990	-0.070875221	0.0035357895
## Min_hist.PET	-0.240830702	0.793258444	0.7778023272
## Max_hist.PET	-0.268202494	0.791140000	0.8814483720
## Mean_hist.PET	-0.283416797	0.799595281	0.8411919603
## Variance_hist.PET	-0.401928094	0.560767774	0.9993957292
## Standard_Deviation_hist.PET	-0.285315295	0.806682715	0.9239326281
## Skewness_hist.PET	0.464821730	0.436725505	0.0453764911
## Kurtosis_hist.PET	0.214632292	0.096710684	-0.0538392774
## Energy_hist.PET	0.611672299	0.372984563	-0.0009637731
## Entropy_hist.PET	0.306537395	0.782094482	0.3590133226
## AUC_hist.PET	0.557436924	0.859116589	0.2531680363
## H_suv.PET	-0.202150332	0.837805667	0.8073168501
## Volume.PET	-0.131220010	0.335684605	0.3237226221
## X3D_surface.PET	-0.077735751	0.235545419	0.2702734999
## ratio_3ds_vol.PET	0.670251697	0.463350396	-0.0109868838
## ratio_3ds_vol_norm.PET	0.465533660	0.468038358	0.1964604574
## irregularity.PET	0.624896895	0.828205803	0.1928068767
## tumor_length.PET	0.151759659	0.547346760	0.3762973209
## Compactness_v1.PET	0.518204444	0.504153837	0.1325420570
## Compactness_v2.PET	-0.146861550	0.292769018	0.2271056370
## Spherical_disproportion.PET	0.465533660	0.468038358	0.1964604574
## Sphericity.PET	-0.185493985	0.284129544	0.2057108261
## Asphericity.PET	0.457131455	0.448233527	0.1911514428
## Center_of_mass.PET	0.034297155	0.368130368	0.4873347697
## Max_3D_diam.PET	-0.130530434	0.479056444	0.4384072132
## Major_axis_length.PET	-0.076197561	0.529107174	0.5006073284
## Minor_axis_length.PET	0.072464293	0.605563734	0.3788031568
## Least_axis_length.PET	-0.047725641	0.528014057	0.4134326949

## Elongation.PET	0.532857772	0.702524425	0.0670616130
## Flatness.PET	0.403756151	0.651552781	0.1244651929
## Max_cooc.L.PET	0.605008602	0.387631565	0.0353554543
## Average_cooc.L.PET	0.452687645	0.701846720	0.1806759043
## Variance_cooc.L.PET	0.514611530	0.551841969	0.0344753077
## Entropy_cooc.L.PET	0.455221900	0.862174613	0.2928388776
## DAVE_cooc.L.PET	0.484442859	0.709351074	0.0984367266
## DVAR_cooc.L.PET	0.428570243	0.680520350	0.1373433617
## DENT_cooc.L.PET	0.527742565	0.865482950	0.2354003881
## SAVE_cooc.L.PET	0.452189806	0.701697686	0.1807062129
## SVAR_cooc.L.PET	0.545441174	0.502261636	0.0394695806
## SENT_cooc.L.PET	0.571480353	0.830393470	0.2333827519
## ASM_cooc.L.PET	0.567973545	0.369048237	0.0372930184
## Contrast_cooc.L.PET	0.396248526	0.556237520	0.0218945938
## Dissimilarity_cooc.L.PET	0.484442859	0.709351074	0.0984367266
## Inv_diff_cooc.L.PET	0.465082153	0.715512306	0.2965518148
## Inv_diff_norm_cooc.L.PET	0.522011213	0.857430936	0.2835532160
## IDM_cooc.L.PET	0.449997777	0.633635152	0.2764686454
## IDM_norm_cooc.L.PET	0.528170029	0.862436953	0.2767841358
## Inv_var_cooc.L.PET	0.451535030	0.639166871	0.2830815483
## Correlation_cooc.L.PET	0.399659580	0.419302321	0.2171625618
## Autocorrelation_cooc.L.PET	0.409697306	0.481844369	0.0734287808
## Tendency_cooc.L.PET	0.545441174	0.502261636	0.0394695806
## Shade_cooc.L.PET	0.358451538	0.247136798	0.0661602149
## Prominence_cooc.L.PET	0.527068735	0.312483643	-0.0519628279
## IC1_.L.PET	-0.424044847	-0.225305018	0.0656938059
## IC2_.L.PET	0.660479242	0.736572098	0.1588930067
## Coarseness_vdif_.L.PET	0.698230366	0.369502314	-0.0507694515
## Contrast_vdif_.L.PET	0.309318806	0.258011064	-0.1032922990
## Busyness_vdif_.L.PET	-0.123488139	0.339106425	0.3176583459
## Complexity_vdif_.L.PET	0.482202751	0.709878644	0.0978957035
## Strength_vdif_.L.PET	0.568561397	0.225979225	-0.1664350926
## SRE_align.L.PET	0.542191904	0.870692452	0.2627512523
## LRE_align.L.PET	0.509523594	0.856493582	0.2861060508
## GLNU_align.L.PET	-0.152696822	0.279966559	0.3307610724
## RLNU_align.L.PET	-0.220294704	0.279507962	0.3604267374
## RP_align.L.PET	0.543750031	0.870611545	0.2602536366
## LGRE_align.L.PET	0.564055177	0.550074633	0.0876810710
## HGRE_align.L.PET	0.409172581	0.526646677	0.0873335818
## LGSRE_align.L.PET	0.568860921	0.555295028	0.0871117633
## HGSRE_align.L.PET	0.412215809	0.526547102	0.0843739637
## LGHRE_align.L.PET	0.542087123	0.526247871	0.0901753527
## HGLRE_align.L.PET	0.394713570	0.525691324	0.0994676856
## GLNU_norm_align.L.PET	0.660333178	0.571675276	0.0911643012
## RLNU_norm_align.L.PET	0.548517434	0.870200340	0.2527410941
## GLVAR_align.L.PET	0.493051004	0.573119903	0.0579145781
## RLVAR_align.L.PET	0.480160325	0.531814412	0.2253889132
## Entropy_align.L.PET	0.469063727	0.860659343	0.2954931808
## SZSE.L.PET	0.543889278	0.862796120	0.2596512927
## LZSE.L.PET	0.298485022	0.563500496	0.2175037343
## LGLZE.L.PET	0.571144669	0.559155405	0.0829899705
## HGLZE.L.PET	0.411257094	0.539885427	0.0940132148
## SZLGE.L.PET	0.587370025	0.573283019	0.0798999793
## SZHGE.L.PET	0.418295499	0.547520559	0.0952613973

## LZLGE.L.PET	0.436112245	0.420451990	0.1071905101
## LZHGE.L.PET	0.286229639	0.400379739	0.0798960493
## GLNU_area.L.PET	-0.156860186	0.285782907	0.3331925778
## ZSNU.L.PET	-0.223833145	0.286849282	0.3590928603
## ZSP.L.PET	0.552861734	0.868122760	0.2482756038
## GLNU_norm.L.PET	0.659442350	0.571861399	0.0906202134
## ZSNU_norm.L.PET	0.557068743	0.872707779	0.2347005943
## GLVAR_area.L.PET	0.494435957	0.588074438	0.0693111534
## ZSVAR.L.PET	0.165183115	0.345143519	0.2568688683
## Entropy_area.L.PET	0.458621776	0.858481433	0.3070586674
## Max_cooc.H.PET	0.919840951	-0.055081526	-0.4223793361
## Average_cooc.H.PET	0.680557852	0.761648334	0.1122705559
## Variance_cooc.H.PET	0.098989254	0.912392115	0.5233185765
## Entropy_cooc.H.PET	0.183979655	0.883890061	0.5000619989
## DAVE_cooc.H.PET	0.214338608	0.935458065	0.3901731969
## DVAR_cooc.H.PET	0.279796090	0.875523631	0.3450422460
## DENT_cooc.H.PET	0.147211906	0.786478377	0.3367140660
## SAVE_cooc.H.PET	0.581068411	0.806331226	0.1796033825
## SVAR_cooc.H.PET	0.182294998	0.816254683	0.4471031688
## SENT_cooc.H.PET	0.167685434	0.774022880	0.4885153326
## ASM_cooc.H.PET	0.893756076	-0.047297836	-0.3756623872
## Contrast_cooc.H.PET	0.137806663	0.886011279	0.3911013299
## Dissimilarity_cooc.H.PET	0.214338608	0.935458065	0.3901731969
## Inv_diff_cooc.H.PET	0.931694811	0.270492761	-0.2658648831
## Inv_diff_norm_cooc.H.PET	0.586895136	0.833296411	0.2356967714
## IDM_cooc.H.PET	0.946587204	0.142290541	-0.3634785076
## IDM_norm_cooc.H.PET	0.558228402	0.852716154	0.2545348774
## Inv_var_cooc.H.PET	0.367047091	0.628990080	0.4015603451
## Correlation_cooc.H.PET	0.328259332	0.469965545	0.2883243983
## Autocorrelation_cooc.H.PET	0.784257086	0.638592917	-0.0062058998
## Tendency_cooc.H.PET	0.069090365	0.845060490	0.5479726387
## Shade_cooc.H.PET	0.124978539	-0.450728809	-0.2632344943
## Prominence_cooc.H.PET	-0.201187233	0.729209039	0.6438089910
## IC1_d.H.PET	-0.092198124	0.139104421	0.0377848254
## IC2_d.H.PET	0.349427386	0.625192706	0.3674079167
## Coarseness_vdif.H.PET	0.573291200	0.370818050	0.0392185057
## Contrast_vdif.H.PET	0.712247960	-0.010384730	-0.3692838150
## Busyness_vdif.H.PET	-0.168356744	0.119179261	0.0240470484
## Complexity_vdif.H.PET	0.427091425	0.639630789	0.1461838722
## Strength_vdif.H.PET	0.326187097	-0.049005742	-0.1194024839
## SRE_align.H.PET	0.369088165	0.949945751	0.3996135495
## LRE_align.H.PET	0.813283224	0.242499483	-0.2301050876
## RLNU_align.H.PET	-0.259121475	0.323602013	0.4478077106
## RP_align.H.PET	0.337687448	0.961335119	0.4266681300
## LGRE_align.H.PET	0.520482450	0.410514139	0.1052413315
## HGRE_align.H.PET	0.778435485	0.660531632	0.0113657718
## LGSRE_align.H.PET	0.520322478	0.408590491	0.1039341491
## HGSRE_align.H.PET	0.624432643	0.819470504	0.1698616993
## LGHRE_align.H.PET	0.527383433	0.415697743	0.1053182165
## HGLRE_align.H.PET	0.808567604	0.025012244	-0.3393373670
## GLNU_norm_align.H.PET	0.983705018	0.112442692	-0.4381924653
## RLNU_norm_align.H.PET	0.215461683	0.982668689	0.5074793699
## GLVAR_align.H.PET	0.045625913	0.890960760	0.5406017427
## RLVAR_align.H.PET	0.711722229	-0.136812250	-0.4117310763

## Entropy_align.H.PET	0.163700002	0.924195773	0.5802202890
## SZSE.H.PET	0.141728421	0.980536054	0.5576807241
## LZSE.H.PET	0.206035787	-0.214097529	-0.1720813899
## LGLZE.H.PET	0.516459719	0.412392600	0.1092518005
## HGLZE.H.PET	0.639720262	0.656096291	0.0580968169
## SZLGE.H.PET	0.518924186	0.406492479	0.1037569526
## SZHGE.H.PET	0.326673827	0.881705490	0.3583092371
## LZLGE.H.PET	0.312585810	-0.195793415	-0.2031315925
## LZHGE.H.PET	0.304182534	-0.237076707	-0.2069593238
## GLNU_area.H.PET	-0.183119817	0.303273092	0.2760521107
## ZSNU.H.PET	-0.298997395	0.345987229	0.5364188726
## ZSP.H.PET	-0.121122731	0.938567959	0.6883540085
## GLNU_norm.H.PET	0.975259089	0.111356238	-0.4381455150
## ZSNU_norm.H.PET	-0.049503437	0.959910596	0.6733041069
## GLVAR_area.H.PET	0.021730829	0.873733742	0.5368278201
## ZSVAR_H.PET	0.256790765	-0.229743913	-0.1957351791
## Entropy_area.H.PET	0.312287750	0.871843809	0.4306734155
## Max_cooc.W.PET	0.886845335	0.065366085	-0.3034719069
## Average_cooc.W.PET	-0.298929226	0.780372699	0.8825383414
## Variance_cooc.W.PET	-0.387716357	0.562971638	0.9941512802
## Entropy_cooc.W.PET	0.054515703	0.960609717	0.6390869592
## DAVE_cooc.W.PET	-0.260860077	0.846072950	0.8433501239
## DVAR_cooc.W.PET	-0.386484637	0.624400751	0.9556603492
## DENT_cooc.W.PET	0.052028590	0.978820140	0.6443201758
## SAVE_cooc.W.PET	-0.300137062	0.779810848	0.8826574329
## SVAR_cooc.W.PET	-0.373085184	0.513384936	0.9864463812
## SENT_cooc.W.PET	0.181999922	0.949292906	0.5804892205
## ASM_cooc.W.PET	0.836484653	0.144265875	-0.2098370922
## Contrast_cooc.W.PET	-0.392099946	0.642076699	0.9254909492
## Dissimilarity_cooc.W.PET	-0.260860077	0.846072950	0.8433501239
## Inv_diff_cooc.W.PET	0.912162616	0.361660509	-0.2670161099
## Inv_diff_norm_cooc.W.PET	0.529733857	0.854158369	0.2772558416
## IDM_cooc.W.PET	0.943235130	0.190535059	-0.3749389651
## IDM_norm_cooc.W.PET	0.529858518	0.862035479	0.2748956218
## Inv_var_cooc.W.PET	0.916246321	0.276865995	-0.3342874126
## Correlation_cooc.W.PET	0.382654127	0.427367397	0.2305607254
## Autocorrelation_cooc.W.PET	-0.422093387	0.544741932	0.9492260058
## Tendency_cooc.W.PET	-0.373085184	0.513384936	0.9864463812
## Shade_cooc.W.PET	-0.194637716	0.190677290	0.7260554559
## Prominence_cooc.W.PET	-0.219817193	0.157370762	0.7409918627
## IC1_d.W.PET	-0.004606932	0.037931758	-0.0937367428
## IC2_d.W.PET	0.381917722	0.735133630	0.4207097785
## Coarseness_vdif.W.PET	0.707287473	0.333458764	-0.0940057302
## Contrast_vdif.W.PET	-0.109546116	0.755008170	0.6400779183
## Busyness_vdif.W.PET	0.511096807	-0.151780710	-0.4160612072
## Complexity_vdif.W.PET	-0.337024642	0.408003496	0.9401769866
## Strength_vdif.W.PET	-0.030920126	0.434129287	0.4885835997
## SRE_align.W.PET	0.457442334	0.914867817	0.3348619256
## LRE_align.W.PET	0.776184694	0.544893449	-0.0393908610
## GLNU_align.W.PET	-0.026708430	0.166059649	0.0742950796
## RLNU_align.W.PET	-0.239952831	0.303557580	0.4086532477
## RP_align.W.PET	0.434536296	0.926048976	0.3537930749
## LGRE_align.W.PET	0.931618120	0.138391654	-0.4117793579
## HGRE_align.W.PET	-0.426543573	0.551137682	0.9508575168

## LGSRE_align.W.PET	0.925917229	0.187570896	-0.3929542390
## HGSRE_align.W.PET	-0.428459255	0.550040712	0.9536212873
## LGHRE_align.W.PET	0.878894926	-0.044861119	-0.4419354148
## HGLRE_align.W.PET	-0.417127374	0.552554901	0.9363626839
## GLNU_norm_align.W.PET	0.986998145	0.145170116	-0.3963465761
## RLNU_norm_align.W.PET	0.356220280	0.954627549	0.4125843545
## GLVAR_align.W.PET	-0.402643289	0.560086628	0.9995404815
## RLVAR_align.W.PET	0.800768456	-0.060765285	-0.3930336884
## Entropy_align.W.PET	0.154914568	0.938362862	0.5819699434
## SZSE.W.PET	0.337610536	0.960011389	0.4367216663
## LZSE.W.PET	0.599192030	-0.210132468	-0.3377851501
## LGLZE.W.PET	0.946613307	0.147910795	-0.4144518372
## HGLZE.W.PET	-0.425461068	0.556720064	0.9600185421
## SZLGE.W.PET	0.917052653	0.282838346	-0.3353765992
## SZHGE.W.PET	-0.426200516	0.553320519	0.9669590092
## LZLGE.W.PET	0.454506852	-0.235562185	-0.2680551498
## LZHGE.W.PET	-0.232499016	0.400673513	0.6699539535
## GLNU_area.W.PET	-0.095530222	0.235557516	0.1638533663
## ZSNU.W.PET	-0.268821499	0.330711831	0.4722548115
## ZSP.W.PET	0.153364140	0.989555288	0.5452597612
## GLNU_norm.W.PET	1.000000000	0.154251319	-0.3988052031
## ZSNU_norm.W.PET	0.154251319	1.000000000	0.5624076585
## GLVAR_area.W.PET	-0.398805203	0.562407659	1.0000000000
## ZSVAR.W.PET	0.523994135	-0.256718322	-0.3216306496
## Entropy_area.W.PET	0.263829179	0.898747436	0.4887018086
## Min_hist.ADC	0.359308448	0.260866840	0.0461926841
## Max_hist.ADC	0.446406933	0.769998512	0.2504797807
## Mean_hist.ADC	0.516688090	0.758695222	0.1672702887
## Variance_hist.ADC	0.303467459	0.360247243	0.1040721769
## Standard_Deviation_hist.ADC	0.416532578	0.613787177	0.1879080978
## Skewness_hist.ADC	0.105740749	0.158232906	0.2128884380
## Kurtosis_hist.ADC	0.067905530	0.261077622	0.1925151741
## Energy_hist.ADC	0.585104839	0.370643207	0.0296369132
## Entropy_hist.ADC	0.425944923	0.846822296	0.3043019819
## AUC_hist.ADC	0.499508158	0.855444784	0.2959365658
## Volume.ADC	-0.118320888	0.325935786	0.3024379009
## X3D_surface.ADC	0.033647774	0.415123752	0.2155809392
## ratio_3ds_vol.ADC	0.572100168	0.514717999	0.0489150069
## ratio_3ds_vol_norm.ADC	0.445409867	0.832329038	0.2567222229
## irregularity.ADC	0.551926774	0.826965218	0.2478596252
## Compactness_v1.ADC	0.644254251	0.580804983	0.1190460252
##	ZSVAR.W.PET	Entropy_area.W.PET	Min_hist.ADC
## Failure	0.0338209203	-0.05028272	0.277412397
## Entropy_cooc.W.ADC	0.0756604024	0.07029155	-0.196528370
## GLNU_align.H.PET	0.1010174765	0.02284149	-0.231707613
## Min_hist.PET	-0.3607629704	0.68010396	0.172450730
## Max_hist.PET	-0.3507633702	0.74468930	0.114279847
## Mean_hist.PET	-0.3643832863	0.71191905	0.157360852
## Variance_hist.PET	-0.3234362733	0.48481085	0.047603966
## Standard_Deviation_hist.PET	-0.3561741435	0.73588947	0.107346152
## Skewness_hist.PET	0.0550710371	0.42816332	0.145968176
## Kurtosis_hist.PET	0.0156687459	0.10309550	0.022155526
## Energy_hist.PET	0.0646615549	0.29680742	0.247607228
## Entropy_hist.PET	0.0011231262	0.91153780	0.155982982

## AUC_hist.PET	0.0463157803	0.93236038	0.324709278
## H_suv.PET	-0.3632913392	0.70633472	0.107237704
## Volume.PET	-0.1201468405	0.46918265	-0.017048501
## X3D_surface.PET	-0.0549790296	0.34486351	-0.135571853
## ratio_3ds_vol.PET	0.1168434979	0.37075791	0.354914971
## ratio_3ds_vol_norm.PET	0.1053226119	0.54010269	0.142314657
## irregularity.PET	0.0671906668	0.85228307	0.408570476
## tumor_length.PET	0.0172957328	0.70743849	0.017788702
## Compactness_v1.PET	0.0003860531	0.47481340	0.243929418
## Compactness_v2.PET	-0.1427212348	0.31682919	0.139017976
## Spherical_disproportion.PET	0.1053226119	0.54010269	0.142314657
## Sphericity.PET	-0.1404523151	0.31840256	0.094856064
## Asphericity.PET	0.1059907143	0.51912651	0.134014247
## Center_of_mass.PET	0.0341187749	0.47358826	-0.039666655
## Max_3D_diam.PET	-0.0973843534	0.62970806	0.060109650
## Major_axis_length.PET	-0.0827714249	0.66987477	0.107912553
## Minor_axis_length.PET	-0.0371046531	0.79061645	0.018591015
## Least_axis_length.PET	-0.0649827177	0.72252888	-0.026825154
## Elongation.PET	0.0455858969	0.76834166	0.218795950
## Flatness.PET	0.0274822933	0.75651772	0.156780843
## Max_cooc.L.PET	0.0802345514	0.34664214	0.222151481
## Average_cooc.L.PET	0.0523716174	0.73545563	0.406460777
## Variance_cooc.L.PET	0.0700442682	0.47917264	0.407416970
## Entropy_cooc.L.PET	0.0298757217	0.95277290	0.305481131
## DAVE_cooc.L.PET	-0.0303254829	0.60848680	0.385737188
## DVAR_cooc.L.PET	-0.0949453584	0.52169966	0.378671643
## DENT_cooc.L.PET	0.0179470447	0.88468803	0.370074722
## SAVE_cooc.L.PET	0.0523195540	0.73536900	0.406399691
## SVAR_cooc.L.PET	0.1556173151	0.50527162	0.413699209
## SENT_cooc.L.PET	0.0748174681	0.89848955	0.348557989
## ASM_cooc.L.PET	0.0611802950	0.32924543	0.193802469
## Contrast_cooc.L.PET	-0.0753015270	0.37316448	0.342574841
## Dissimilarity_cooc.L.PET	-0.0303254829	0.60848680	0.385737188
## Inv_diff_cooc.L.PET	0.0676241768	0.85592317	0.195981941
## Inv_diff_norm_cooc.L.PET	0.0488705504	0.95264908	0.314452347
## IDM_cooc.L.PET	0.0702805814	0.76957366	0.154276981
## IDM_norm_cooc.L.PET	0.0468407671	0.94994504	0.325020310
## Inv_var_cooc.L.PET	0.0700614890	0.77585149	0.152832287
## Correlation_cooc.L.PET	0.2346267452	0.69649585	0.158395556
## Autocorrelation_cooc.L.PET	0.0947087924	0.51605806	0.401232985
## Tendency_cooc.L.PET	0.1556173151	0.50527162	0.413699209
## Shade_cooc.L.PET	0.1769127250	0.22060352	0.196166876
## Prominence_cooc.L.PET	0.1918371131	0.28711446	0.396925335
## IC1_.L.PET	-0.1534563007	-0.17647829	-0.382108545
## IC2_.L.PET	0.1210338934	0.76299273	0.398637787
## Coarseness_vdif_.L.PET	0.1149432792	0.28763323	0.341465610
## Contrast_vdif_.L.PET	-0.0519942917	0.04888512	0.272345119
## Busyness_vdif_.L.PET	-0.1288028179	0.45347078	-0.131006919
## Complexity_vdif_.L.PET	-0.0739092100	0.55109584	0.347483744
## Strength_vdif_.L.PET	0.1152677703	0.04185735	0.410664269
## SRE_align.L.PET	0.0382585038	0.93628965	0.343855065
## LRE_align.L.PET	0.0483311695	0.95263967	0.308270430
## GLNU_align.L.PET	-0.1111338483	0.41608596	-0.109144279
## RLNU_align.L.PET	-0.1188846887	0.41020134	-0.118741844

## RP_align.L.PET	0.0390238798	0.93459008	0.345527005
## LGRE_align.L.PET	0.0126619766	0.50424398	0.186094014
## HGRE_align.L.PET	0.0767099322	0.53216526	0.398465463
## LGSRE_align.L.PET	0.0104813256	0.50743274	0.188932012
## HGSRE_align.L.PET	0.0745000763	0.52760542	0.400566430
## LGHRE_align.L.PET	0.0210539056	0.48918296	0.173778679
## HGLRE_align.L.PET	0.0857560908	0.54946600	0.387823642
## GLNU_norm_align.L.PET	0.0606945226	0.55118844	0.269256761
## RLNU_norm_align.L.PET	0.0405798693	0.92818129	0.351008628
## GLVAR_align.L.PET	0.0730688456	0.52828674	0.403652009
## RLVAR_align.L.PET	0.0597475766	0.62821020	0.139567367
## Entropy_align.L.PET	0.0393420060	0.95482896	0.317311829
## SZSE.L.PET	0.0122007953	0.90557745	0.353320212
## LZSE.L.PET	0.1065085608	0.70916499	0.137941017
## LGLZE.L.PET	0.0054257294	0.51433959	0.191706923
## HGLZE.L.PET	0.0736952964	0.54021053	0.400639130
## SZLGE.L.PET	-0.0105082816	0.51583693	0.206172170
## SZHGE.L.PET	0.0512168566	0.52632724	0.406699197
## LZLGE.L.PET	0.0659518986	0.43031556	0.096445983
## LZHGE.L.PET	0.1382775166	0.48498811	0.284336080
## GLNU_area.L.PET	-0.1191479274	0.41800303	-0.107954023
## ZSNU.L.PET	-0.1281405739	0.40939459	-0.112637676
## ZSP.L.PET	0.0228176415	0.90542642	0.360908291
## GLNU_norm.L.PET	0.0589752423	0.55246471	0.267566625
## ZSNU_norm.L.PET	0.0367791881	0.90023079	0.362946253
## GLVAR_area.L.PET	0.0722876788	0.54023129	0.403914046
## ZSVAR.L.PET	0.0521462519	0.52505458	-0.015362858
## Entropy_area.L.PET	0.0376196848	0.96477422	0.306338312
## Max_cooc.H.PET	0.6731988564	0.05617010	0.301027654
## Average_cooc.H.PET	0.1652356025	0.85779010	0.374242414
## Variance_cooc.H.PET	-0.2241940396	0.93668029	0.227253478
## Entropy_cooc.H.PET	-0.1693550327	0.86891598	0.351010200
## DAVE_cooc.H.PET	-0.2356242983	0.87768758	0.274426047
## DVAR_cooc.H.PET	-0.1394654636	0.83888797	0.311513882
## DENT_cooc.H.PET	-0.1196643822	0.81879719	0.155976352
## SAVE_cooc.H.PET	0.0904557290	0.90180437	0.332524534
## SVAR_cooc.H.PET	-0.0789406060	0.92274810	0.155057697
## SENT_cooc.H.PET	-0.1818354004	0.73174487	0.152223261
## ASM_cooc.H.PET	0.6618944630	0.06250451	0.280516764
## Contrast_cooc.H.PET	-0.2481331926	0.79152315	0.254326426
## Dissimilarity_cooc.H.PET	-0.2356242983	0.87768758	0.274426047
## Inv_diff_cooc.H.PET	0.5544612005	0.47608433	0.328311055
## Inv_diff_norm_cooc.H.PET	0.0948037522	0.92721503	0.342030090
## IDM_cooc.H.PET	0.6074822457	0.35380684	0.306954188
## IDM_norm_cooc.H.PET	0.0630679531	0.93663043	0.338014571
## Inv_var_cooc.H.PET	-0.0940939336	0.58379912	0.181073979
## Correlation_cooc.H.PET	0.1599361358	0.72582148	0.153698255
## Autocorrelation_cooc.H.PET	0.2762792480	0.76254367	0.388896609
## Tendency_cooc.H.PET	-0.1912388009	0.93134491	0.192294333
## Shade_cooc.H.PET	0.2352344494	-0.52791681	-0.073525430
## Prominence_cooc.H.PET	-0.2905295412	0.79534744	0.080119403
## IC1_d.H.PET	-0.4158890598	-0.16412462	0.019059137
## IC2_d.H.PET	0.1027508837	0.82846500	0.213901339
## Coarseness_vdif.H.PET	0.0718049253	0.31398015	0.210371281

## Contrast_vdif.H.PET	0.3566038514	0.06463588	0.351340787
## Busyness_vdif.H.PET	-0.0989373383	0.19080129	-0.147707970
## Complexity_vdif.H.PET	-0.0570229168	0.56681546	0.231942133
## Strength_vdif.H.PET	0.3384690901	-0.08397373	0.170213868
## SRE_align.H.PET	-0.1340480346	0.95602527	0.310315019
## LRE_align.H.PET	0.7037721871	0.49068894	0.237376312
## RLNU_align.H.PET	-0.1699347170	0.42008983	-0.085438094
## RP_align.H.PET	-0.1610091747	0.95000442	0.309570422
## LGRE_align.H.PET	0.0321997273	0.37060740	0.204353416
## HGRE_align.H.PET	0.2732788307	0.76889551	0.387545298
## LGSRE_align.H.PET	0.0319357328	0.36762811	0.204082133
## HGSRE_align.H.PET	0.0516737011	0.85119097	0.378370181
## LGHRE_align.H.PET	0.0441767550	0.38537210	0.204252428
## HGLRE_align.H.PET	0.8149781687	0.27433176	0.212541804
## GLNU_norm_align.H.PET	0.5443798520	0.24258825	0.338874602
## RLNU_norm_align.H.PET	-0.2445839857	0.92941088	0.279094376
## GLVAR_align.H.PET	-0.2366416363	0.92562847	0.201832744
## RLVAR_align.H.PET	0.8212411645	0.14743605	0.095579590
## Entropy_align.H.PET	-0.1179615992	0.98905061	0.218083543
## SZSE.H.PET	-0.2385316125	0.89900460	0.220764169
## LZSE.H.PET	0.8057043363	-0.08837459	-0.070893303
## LGLZE.H.PET	0.0305713276	0.37341445	0.206125140
## HGLZE.H.PET	0.2513207121	0.76717268	0.226877502
## SZLGE.H.PET	0.0320258077	0.36449359	0.205477661
## SZHGE.H.PET	-0.0790414978	0.78323139	0.244595326
## LZLGE.H.PET	0.8288704626	-0.04288127	-0.037616249
## LZHGE.H.PET	0.9124088747	-0.10430493	-0.025858649
## GLNU_area.H.PET	-0.1553442521	0.42094918	-0.130042680
## ZSNU.H.PET	-0.2007891786	0.39493336	-0.036374619
## ZSP.H.PET	-0.4272145249	0.76790119	0.163514372
## GLNU_norm.H.PET	0.5429327157	0.26127385	0.365840953
## ZSNU_norm.H.PET	-0.3170948751	0.81176425	0.164516643
## GLVAR_area.H.PET	-0.2653695647	0.91256140	0.162119272
## ZSVAR.H.PET	0.8646845325	-0.09870245	-0.052817156
## Entropy_area.H.PET	-0.0658598463	0.99280912	0.234163262
## Max_cooc.W.PET	0.5650314803	0.11360902	0.301938650
## Average_cooc.W.PET	-0.3401152507	0.73559381	0.138374565
## Variance_cooc.W.PET	-0.3230139364	0.47249002	0.046572226
## Entropy_cooc.W.PET	-0.2536112887	0.95698816	0.209899840
## DAVE_cooc.W.PET	-0.3800340485	0.71072573	0.132235877
## DVAR_cooc.W.PET	-0.3432503736	0.48994104	0.072424288
## DENT_cooc.W.PET	-0.2817834980	0.92373229	0.221007798
## SAVE_cooc.W.PET	-0.3403126408	0.73510302	0.138022592
## SVAR_cooc.W.PET	-0.3003056233	0.44803373	0.034748289
## SENT_cooc.W.PET	-0.1861562903	0.95863469	0.224617939
## ASM_cooc.W.PET	0.4602439796	0.18282036	0.274581280
## Contrast_cooc.W.PET	-0.3536987175	0.49392588	0.073137085
## Dissimilarity_cooc.W.PET	-0.3800340485	0.71072573	0.132235877
## Inv_diff_cooc.W.PET	0.4536511873	0.55666616	0.334824610
## Inv_diff_norm_cooc.W.PET	0.0559187392	0.95016169	0.317387290
## IDM_cooc.W.PET	0.5482035136	0.40259792	0.311708500
## IDM_norm_cooc.W.PET	0.0478336484	0.94915759	0.326028471
## Inv_var_cooc.W.PET	0.4471496239	0.48424598	0.321012781
## Correlation_cooc.W.PET	0.2166707333	0.70146715	0.154539067

## Autocorrelation_cooc.W.PET	-0.3149348523	0.49911330	0.089516579
## Tendency_cooc.W.PET	-0.3003056233	0.44803373	0.034748289
## Shade_cooc.W.PET	-0.1413154502	0.16373290	-0.043197543
## Prominence_cooc.W.PET	-0.1347455911	0.14463890	-0.040705567
## IC1_d.W.PET	-0.3445706293	-0.19096685	-0.011741980
## IC2_d.W.PET	0.0873473529	0.87070160	0.260035719
## Coarseness_vdif.W.PET	0.1223936310	0.23384031	0.384203478
## Contrast_vdif.W.PET	-0.3237994349	0.53792155	0.158916110
## Busyness_vdif.W.PET	0.5369829035	0.13010521	0.001659561
## Complexity_vdif.W.PET	-0.2460662546	0.37646947	0.028020838
## Strength_vdif.W.PET	-0.1883455229	0.25499994	0.141802812
## SRE_align.W.PET	-0.0447516393	0.95494928	0.326991275
## LRE_align.W.PET	0.4585275146	0.74345072	0.315158377
## GLNU_align.W.PET	0.0430073215	0.37631094	-0.174524657
## RLNU_align.W.PET	-0.1493681773	0.41593112	-0.101131930
## RP_align.W.PET	-0.0704570167	0.95567967	0.325425920
## LGRE_align.W.PET	0.4748814569	0.22779037	0.280377481
## HGRE_align.W.PET	-0.3181432952	0.50267883	0.081303990
## LGSRE_align.W.PET	0.4222426876	0.26387701	0.285559914
## HGSRE_align.W.PET	-0.3202949755	0.49736516	0.081837123
## LGHRE_align.W.PET	0.6861268941	0.09013811	0.228213998
## HGLRE_align.W.PET	-0.3033385573	0.52384756	0.077701031
## GLNU_norm_align.W.PET	0.5230942942	0.24549047	0.340593559
## RLNU_norm_align.W.PET	-0.1322181036	0.95666647	0.309689027
## GLVAR_align.W.PET	-0.3231602053	0.48518507	0.047024437
## RLVAR_align.W.PET	0.8132829230	0.19911012	0.153493746
## Entropy_align.W.PET	-0.1511272402	0.98751327	0.224581717
## SZSE.W.PET	-0.1543139269	0.93014565	0.305678608
## LZSE.W.PET	0.9863388612	0.00402031	0.120029184
## LGLZE.W.PET	0.4969197273	0.25630612	0.276019554
## HGLZE.W.PET	-0.3209512157	0.50515333	0.083167725
## SZLGE.W.PET	0.3861855131	0.33838091	0.281750840
## SZHGE.W.PET	-0.3271000074	0.48789203	0.089308282
## LZLGE.W.PET	0.8857109859	-0.10768142	0.064859017
## LZHGE.W.PET	0.0124788058	0.51110125	0.056846268
## GLNU_area.W.PET	-0.0609174463	0.40314825	-0.156606253
## ZSNU.W.PET	-0.1839162138	0.40762846	-0.068678880
## ZSP.W.PET	-0.3046002205	0.90372257	0.249126797
## GLNU_norm.W.PET	0.5239941346	0.26382918	0.359308448
## ZSNU_norm.W.PET	-0.2567183222	0.89874744	0.260866840
## GLVAR_area.W.PET	-0.3216306496	0.48870181	0.046192684
## ZSVAR.W.PET	1.0000000000	-0.07090269	0.079399293
## Entropy_area.W.PET	-0.0709026853	1.00000000	0.234219685
## Min_hist.ADC	0.0793992934	0.23421968	1.000000000
## Max_hist.ADC	0.0290438338	0.84530598	0.124312793
## Mean_hist.ADC	0.0579691948	0.77371922	0.506486112
## Variance_hist.ADC	0.0762700680	0.42360881	-0.286209229
## Standard_Deviation_hist.ADC	0.0508615810	0.68566863	-0.107612818
## Skewness_hist.ADC	-0.0210576307	0.27742292	0.126090189
## Kurtosis_hist.ADC	0.0087599657	0.30712034	0.074097782
## Energy_hist.ADC	0.0746972512	0.33742099	0.250976273
## Entropy_hist.ADC	0.0096959813	0.93496732	0.141405077
## AUC_hist.ADC	0.0161596919	0.93667252	0.286654892
## Volume.ADC	-0.1287672866	0.44418589	-0.041571052

## X3D_surface.ADC	-0.0652793906	0.50308797	-0.320766354
## ratio_3ds_vol.ADC	0.0896583976	0.51515966	0.611137797
## ratio_3ds_vol_norm.ADC	-0.0120123630	0.90205400	0.206301908
## irregularity.ADC	0.0484946264	0.88559221	0.443197680
## Compactness_v1.ADC	0.0870315911	0.57991095	0.321378325
##	Max_hist.ADC	Mean_hist.ADC	Variance_hist.ADC
## Failure	-0.064850806	0.0305734849	-0.101381575
## Entropy_cooc.W.ADC	0.183875003	0.0227536929	0.287152704
## GLNU_align.H.PET	0.060676783	-0.0907587764	0.149634762
## Min_hist.PET	0.455661442	0.4416839713	0.190536909
## Max_hist.PET	0.520336616	0.4428901187	0.254846243
## Mean_hist.PET	0.463312971	0.4202400612	0.187590541
## Variance_hist.PET	0.245166668	0.1618335111	0.102085794
## Standard_Deviation_hist.PET	0.482615702	0.4063969831	0.202876785
## Skewness_hist.PET	0.580751056	0.5881514135	0.410305846
## Kurtosis_hist.PET	0.309345478	0.2579935034	0.337492012
## Energy_hist.PET	0.335832102	0.3805838243	0.236762844
## Entropy_hist.PET	0.859635517	0.7591158290	0.568674769
## AUC_hist.PET	0.885057107	0.8626903447	0.467724369
## H_suv.PET	0.506921157	0.4278297995	0.215683325
## Volume.PET	0.413986751	0.2295312453	0.297187837
## X3D_surface.PET	0.262175521	0.1410712080	0.307893476
## ratio_3ds_vol.PET	0.436823039	0.5616361178	0.191666722
## ratio_3ds_vol_norm.PET	0.515926348	0.4680288785	0.325535262
## irregularity.PET	0.840678644	0.8880275178	0.418715237
## tumor_length.PET	0.602210361	0.4669121579	0.443933426
## Compactness_v1.PET	0.470516790	0.4600340447	0.307681587
## Compactness_v2.PET	0.261602176	0.2482967459	0.067251372
## Spherical_disproportion.PET	0.515926348	0.4680288785	0.325535262
## Sphericity.PET	0.277828770	0.2444841261	0.079185291
## Asphericity.PET	0.496586833	0.4482328580	0.316956464
## Center_of_mass.PET	0.392623097	0.2803580911	0.349794270
## Max_3D_diam.PET	0.513194312	0.3927102497	0.302430917
## Major_axis_length.PET	0.541524749	0.4221319470	0.354487997
## Minor_axis_length.PET	0.683083285	0.5149793049	0.420116258
## Least_axis_length.PET	0.586294507	0.4069187666	0.356840383
## Elongation.PET	0.737724138	0.7253808103	0.337085349
## Flatness.PET	0.674613708	0.6250306807	0.292855701
## Max_cooc.L.PET	0.377988498	0.3905395013	0.281769558
## Average_cooc.L.PET	0.616592708	0.6676445097	0.218150979
## Variance_cooc.L.PET	0.435310990	0.5668533582	0.105920797
## Entropy_cooc.L.PET	0.851646500	0.8201875320	0.413782071
## DAVE_cooc.L.PET	0.571393990	0.6723028484	0.197915219
## DVAR_cooc.L.PET	0.505950624	0.6291038474	0.159290550
## DENT_cooc.L.PET	0.820305836	0.8448096536	0.379313339
## SAVE_cooc.L.PET	0.616440672	0.6675095331	0.217926157
## SVAR_cooc.L.PET	0.438668573	0.5554855144	0.110799140
## SENT_cooc.L.PET	0.819176923	0.8275373492	0.394416215
## ASM_cooc.L.PET	0.348551987	0.3535224394	0.267706885
## Contrast_cooc.L.PET	0.371316341	0.5085487167	0.083844705
## Dissimilarity_cooc.L.PET	0.571393990	0.6723028484	0.197915219
## Inv_diff_cooc.L.PET	0.823253071	0.7403702098	0.514196229
## Inv_diff_norm_cooc.L.PET	0.890922639	0.8615011422	0.470470309
## IDM_cooc.L.PET	0.755144982	0.6649575185	0.505161660

## IDM_norm_cooc.L.PET	0.886775438	0.8643384319	0.460706298
## Inv_var_cooc.L.PET	0.762582251	0.6692336789	0.512184957
## Correlation_cooc.L.PET	0.592754212	0.5106075745	0.343976044
## Autocorrelation_cooc.L.PET	0.401802637	0.4795176111	0.089784803
## Tendency_cooc.L.PET	0.438668573	0.5554855144	0.110799140
## Shade_cooc.L.PET	0.249197004	0.3410076878	0.091636782
## Prominence_cooc.L.PET	0.268113999	0.4280466712	0.024410349
## IC1_.L.PET	-0.200201597	-0.3980234765	0.027142768
## IC2_.L.PET	0.715463650	0.7903327670	0.329411701
## Coarseness_vdif_.L.PET	0.336495107	0.4302594892	0.198755859
## Contrast_vdif_.L.PET	0.141611089	0.3058309916	-0.001645479
## Busyness_vdif_.L.PET	0.406064108	0.2397258692	0.347101444
## Complexity_vdif_.L.PET	0.563891553	0.6720340016	0.223193020
## Strength_vdif_.L.PET	0.184824523	0.4015758650	0.020234251
## SRE_align.L.PET	0.875767142	0.8676611754	0.444082559
## LRE_align.L.PET	0.887239060	0.8601520364	0.463425679
## GLNU_align.L.PET	0.339593926	0.1943660053	0.295429309
## RLNU_align.L.PET	0.294535550	0.1470185481	0.255706356
## RP_align.L.PET	0.874276024	0.8678574600	0.442036688
## LGRE_align.L.PET	0.587003744	0.5983777755	0.414816541
## HGRE_align.L.PET	0.429139809	0.5039699473	0.099051335
## LGSRE_align.L.PET	0.588797721	0.6005991398	0.414373114
## HGSRE_align.L.PET	0.427042750	0.5039314079	0.097593985
## LGHRE_align.L.PET	0.576427375	0.5855997555	0.413801364
## HGLRE_align.L.PET	0.436619397	0.5025925896	0.104865003
## GLNU_norm_align.L.PET	0.610152039	0.6192309673	0.417690111
## RLNU_norm_align.L.PET	0.868327472	0.8671512426	0.434669420
## GLVAR_align.L.PET	0.463543864	0.5738435660	0.119358181
## RLVAR_align.L.PET	0.600860326	0.5223843130	0.424137187
## Entropy_align.L.PET	0.852198972	0.8252868499	0.411689039
## SZSE.L.PET	0.852402998	0.8440021846	0.436547274
## LZSE.L.PET	0.647480042	0.6101847145	0.337454085
## LGLZE.L.PET	0.596916499	0.6088786278	0.415956659
## HGLZE.L.PET	0.437262760	0.5136798900	0.100673522
## SZLGE.L.PET	0.596460921	0.6102494682	0.410895358
## SZHGE.L.PET	0.434333523	0.5109595971	0.104917126
## LZLGE.L.PET	0.518705574	0.5045623135	0.402514459
## LZHGE.L.PET	0.361228088	0.4132945723	0.065242918
## GLNU_area.L.PET	0.339071585	0.1923930298	0.297636625
## ZSNU.L.PET	0.292944863	0.1459725135	0.255724716
## ZSP.L.PET	0.851787762	0.8519637384	0.430459557
## GLNU_norm.L.PET	0.610031582	0.6175642544	0.417929784
## ZSNU_norm.L.PET	0.845968380	0.8538662437	0.419590956
## GLVAR_area.L.PET	0.473404486	0.5815621289	0.122760054
## ZSVAR.L.PET	0.491084889	0.3787802381	0.328225560
## Entropy_area.L.PET	0.860456684	0.8258826346	0.420527473
## Max_cooc.H.PET	0.264458269	0.3426990003	0.212724247
## Average_cooc.H.PET	0.854252942	0.8695396748	0.449169548
## Variance_cooc.H.PET	0.736532583	0.6866516175	0.314892361
## Entropy_cooc.H.PET	0.710113792	0.7313370534	0.257978877
## DAVE_cooc.H.PET	0.758630188	0.7557866609	0.336113114
## DVAR_cooc.H.PET	0.740868699	0.7368548163	0.337115440
## DENT_cooc.H.PET	0.782262752	0.7123624162	0.465911528
## SAVE_cooc.H.PET	0.869245194	0.8676045164	0.478334499

## SVAR_cooc.H.PET	0.767498098	0.6767663395	0.448005475
## SENT_cooc.H.PET	0.553506523	0.5330432255	0.274271289
## ASM_cooc.H.PET	0.235907567	0.2895696984	0.203907352
## Contrast_cooc.H.PET	0.666223794	0.6683502141	0.278375192
## Dissimilarity_cooc.H.PET	0.758630188	0.7557866609	0.336113114
## Inv_diff_cooc.H.PET	0.599264774	0.6187038539	0.383367756
## Inv_diff_norm_cooc.H.PET	0.878902101	0.8660377283	0.458229596
## IDM_cooc.H.PET	0.506431639	0.5342355079	0.343179611
## IDM_norm_cooc.H.PET	0.880686314	0.8676465654	0.454168150
## Inv_var_cooc.H.PET	0.501987039	0.4744779581	0.331467733
## Correlation_cooc.H.PET	0.588556025	0.5037670614	0.316818997
## Autocorrelation_cooc.H.PET	0.798709206	0.8289994861	0.435039799
## Tendency_cooc.H.PET	0.708647973	0.6351303300	0.306441575
## Shade_cooc.H.PET	-0.282795885	-0.2727615633	-0.092612411
## Prominence_cooc.H.PET	0.516377664	0.4189692239	0.196676421
## IC1_d.H.PET	-0.108562008	-0.0719659775	-0.045422120
## IC2_d.H.PET	0.687175054	0.6346281294	0.366210431
## Coarseness_vdif.H.PET	0.328635380	0.3487634602	0.242351545
## Contrast_vdif.H.PET	0.210931630	0.3045222859	0.125882138
## Busyness_vdif.H.PET	0.215284611	0.0899595582	0.130970601
## Complexity_vdif.H.PET	0.506044391	0.5560592085	0.264095728
## Strength_vdif.H.PET	-0.030438995	0.0486771334	-0.068332650
## SRE_align.H.PET	0.853458487	0.8394922023	0.413308969
## LRE_align.H.PET	0.578729624	0.5661233749	0.404491384
## RLNU_align.H.PET	0.289951753	0.1476362386	0.249899640
## RP_align.H.PET	0.840079939	0.8287682949	0.400914616
## LGRE_align.H.PET	0.357678155	0.3565188768	0.260588555
## HGRE_align.H.PET	0.813426298	0.8354520324	0.439832898
## LGSRE_align.H.PET	0.355476335	0.3547850756	0.259631197
## HGSRE_align.H.PET	0.853888437	0.8761737742	0.434330223
## LGHRE_align.H.PET	0.369873977	0.3657478940	0.267406055
## HGLRE_align.H.PET	0.392535377	0.3966784589	0.295175515
## GLNU_norm_align.H.PET	0.443230214	0.5102063663	0.307605141
## RLNU_norm_align.H.PET	0.792793352	0.7804365941	0.364960815
## GLVAR_align.H.PET	0.714155313	0.6539660738	0.309351226
## RLVAR_align.H.PET	0.275287478	0.2547546914	0.264114309
## Entropy_align.H.PET	0.807534224	0.7342678185	0.393045471
## SZSE.H.PET	0.761853143	0.7232702322	0.370017232
## LZSE.H.PET	-0.024368528	-0.0506574813	0.093851654
## LGLZE.H.PET	0.357519699	0.3562058681	0.259263780
## HGLZE.H.PET	0.823593720	0.7942248853	0.537255477
## SZLGE.H.PET	0.352237736	0.3519661443	0.258087861
## SZHGE.H.PET	0.763080369	0.7678677358	0.401869211
## LZLGE.H.PET	0.027330693	-0.0006083989	0.120451234
## LZHGE.H.PET	-0.036686679	-0.0448878522	0.072457431
## GLNU_area.H.PET	0.337142769	0.1861143865	0.279126573
## ZSNU.H.PET	0.252057357	0.1259219750	0.223726381
## ZSP.H.PET	0.587242076	0.5589159545	0.254679489
## GLNU_norm.H.PET	0.432967239	0.5103244600	0.274077731
## ZSNU_norm.H.PET	0.638614918	0.6023457408	0.284834400
## GLVAR_area.H.PET	0.703155089	0.6242907253	0.324016797
## ZSVAR.H.PET	-0.027987464	-0.0482858541	0.089277507
## Entropy_area.H.PET	0.862397518	0.7878065949	0.447110772
## Max_cooc.W.PET	0.274640573	0.3424900686	0.202559047

## Average_cooc.W.PET	0.466338304	0.3882250276	0.181392040
## Variance_cooc.W.PET	0.236998692	0.1652324812	0.096755347
## Entropy_cooc.W.PET	0.764396218	0.7061478435	0.350558970
## DAVE_cooc.W.PET	0.472734615	0.4328184518	0.176581008
## DVAR_cooc.W.PET	0.260300674	0.2141125438	0.091636935
## DENT_cooc.W.PET	0.745025990	0.7085103681	0.336011786
## SAVE_cooc.W.PET	0.465761506	0.3876243488	0.180906375
## SVAR_cooc.W.PET	0.221891112	0.1410913064	0.100482126
## SENT_cooc.W.PET	0.780833279	0.7357510293	0.374689542
## ASM_cooc.W.PET	0.295398268	0.3351749951	0.235795692
## Contrast_cooc.W.PET	0.254971845	0.2132640010	0.078033370
## Dissimilarity_cooc.W.PET	0.472734615	0.4328184518	0.176581008
## Inv_diff_cooc.W.PET	0.666493263	0.6847153145	0.405313136
## Inv_diff_norm_cooc.W.PET	0.890496394	0.8627870767	0.470122157
## IDM_cooc.W.PET	0.547694066	0.5729165882	0.358037296
## IDM_norm_cooc.W.PET	0.886747883	0.8652128363	0.460514103
## Inv_var_cooc.W.PET	0.613350183	0.6359414008	0.389080160
## Correlation_cooc.W.PET	0.593229784	0.5089384461	0.343658088
## Autocorrelation_cooc.W.PET	0.246789492	0.1573082522	0.092511594
## Tendency_cooc.W.PET	0.221891112	0.1410913064	0.100482126
## Shade_cooc.W.PET	0.060948726	0.0106032649	0.056584367
## Prominence_cooc.W.PET	0.031342045	-0.0270840126	0.047745550
## IC1_d.W.PET	-0.107890032	-0.1062074976	-0.015051687
## IC2_d.W.PET	0.725557993	0.7085108015	0.373981162
## Coarseness_vdif.W.PET	0.305900866	0.4311337117	0.160627124
## Contrast_vdif.W.PET	0.335191002	0.3618380183	0.084750037
## Busyness_vdif.W.PET	0.239978817	0.1739369810	0.239343812
## Complexity_vdif.W.PET	0.197415949	0.1137521939	0.117827358
## Strength_vdif.W.PET	0.195105062	0.2662973446	0.089060187
## SRE_align.W.PET	0.873252742	0.8606161801	0.435204284
## LRE_align.W.PET	0.769463204	0.7591783859	0.442220545
## GLNU_align.W.PET	0.352217928	0.1952170554	0.311587903
## RLNU_align.W.PET	0.292421493	0.1482389632	0.252807278
## RP_align.W.PET	0.868362285	0.8566792812	0.428703427
## LGRE_align.W.PET	0.438677453	0.5017263281	0.321677540
## HGRE_align.W.PET	0.253340085	0.1602280013	0.093713797
## LGSRE_align.W.PET	0.469559673	0.5348357030	0.335480026
## HGSRE_align.W.PET	0.249009613	0.1576685622	0.091313016
## LGHRE_align.W.PET	0.298607089	0.3453023554	0.259443524
## HGLRE_align.W.PET	0.270567111	0.1704136002	0.103296998
## GLNU_norm_align.W.PET	0.436036510	0.5035274387	0.304968333
## RLNU_norm_align.W.PET	0.850521733	0.8386480948	0.410492047
## GLVAR_align.W.PET	0.246032101	0.1624848369	0.102533757
## RLVAR_align.W.PET	0.323296491	0.3124387025	0.280366612
## Entropy_align.W.PET	0.808479303	0.7408260611	0.387798899
## SZSE.W.PET	0.835519318	0.8181012068	0.414553733
## LZSE.W.PET	0.101599458	0.1331979972	0.105275241
## LGLZE.W.PET	0.458591454	0.5121306607	0.329947661
## HGLZE.W.PET	0.255894470	0.1662004495	0.093880950
## SZLGE.W.PET	0.526512942	0.5793682038	0.362893319
## SZHGE.W.PET	0.243258775	0.1609810070	0.088174461
## LZLGE.W.PET	-0.003951661	0.0176787602	0.074582669
## LZHGE.W.PET	0.279749715	0.1902653394	0.078884930
## GLNU_area.W.PET	0.354578515	0.1976370514	0.304864480

## ZSNU.W.PET	0.274671385	0.1408105105	0.242681723
## ZSP.W.PET	0.773575761	0.7473420123	0.373941989
## GLNU_norm.W.PET	0.446406933	0.5166880902	0.303467459
## ZSNU_norm.W.PET	0.769998512	0.7586952217	0.360247243
## GLVAR_area.W.PET	0.250479781	0.1672702887	0.104072177
## ZSVAR.W.PET	0.029043834	0.0579691948	0.076270068
## Entropy_area.W.PET	0.845305981	0.7737192247	0.423608808
## Min_hist.ADC	0.124312793	0.5064861117	-0.286209229
## Max_hist.ADC	1.000000000	0.8261070228	0.689525908
## Mean_hist.ADC	0.826107023	1.0000000000	0.395658280
## Variance_hist.ADC	0.689525908	0.3956582798	1.000000000
## Standard_Deviation_hist.ADC	0.874825944	0.6376550222	0.932848417
## Skewness_hist.ADC	0.188829034	-0.0751519735	-0.009853263
## Kurtosis_hist.ADC	0.284436519	0.2549291501	-0.158263150
## Energy_hist.ADC	0.330951114	0.3637824662	0.229463585
## Entropy_hist.ADC	0.925817346	0.8039604592	0.564709905
## AUC_hist.ADC	0.881743871	0.7962203979	0.450758592
## Volume.ADC	0.407541840	0.2187897588	0.292830143
## X3D_surface.ADC	0.657495233	0.2665967694	0.577508705
## ratio_3ds_vol.ADC	0.381459867	0.6416985135	0.081742559
## ratio_3ds_vol_norm.ADC	0.870771206	0.8030382883	0.497788939
## irregularity.ADC	0.784494775	0.8411482576	0.358818666
## Compactness_v1.ADC	0.554002635	0.5769737779	0.318402299
##	Standard_Deviation_hist.ADC	Skewness_hist.ADC	
## Failure		-0.077942278	0.1255455578
## Entropy_cooc.W.ADC		0.223362823	-0.0339810154
## GLNU_align.H.PET		0.082091891	-0.0024759333
## Min_hist.PET		0.351801233	0.1415201588
## Max_hist.PET		0.407010913	0.2125482762
## Mean_hist.PET		0.350737242	0.1902566829
## Variance_hist.PET		0.184602114	0.2125328153
## Standard_Deviation_hist.PET		0.366990028	0.2247090182
## Skewness_hist.PET		0.514953629	-0.0271233417
## Kurtosis_hist.PET		0.303987195	-0.0608995534
## Energy_hist.PET		0.328597063	0.0890997222
## Entropy_hist.PET		0.775226026	0.1854818934
## AUC_hist.PET		0.736095982	0.2338006187
## H_suv.PET		0.389698890	0.2164696370
## Volume.PET		0.357960621	0.2755789731
## X3D_surface.PET		0.301072862	0.0649589419
## ratio_3ds_vol.PET		0.358174737	0.0132544342
## ratio_3ds_vol_norm.PET		0.450924034	0.1633360099
## irregularity.PET		0.691316987	0.1684544460
## tumor_length.PET		0.549176900	0.2004235195
## Compactness_v1.PET		0.423808703	0.1820403756
## Compactness_v2.PET		0.144485907	0.1197257502
## Spherical_disproportion.PET		0.450924034	0.1633360099
## Sphericity.PET		0.165894666	0.1161057954
## Asphericity.PET		0.435568547	0.1588669299
## Center_of_mass.PET		0.402493667	0.1358576704
## Max_3D_diam.PET		0.412427493	0.2474961335
## Major_axis_length.PET		0.460116901	0.2644736710
## Minor_axis_length.PET		0.568674494	0.2534568760
## Least_axis_length.PET		0.484414841	0.2691844573

## Elongation.PET	0.588112027	0.0968817721
## Flatness.PET	0.529990471	0.1643026094
## Max_cooc.L.PET	0.370117462	0.1211821615
## Average_cooc.L.PET	0.479140626	0.2224620599
## Variance_cooc.L.PET	0.331628584	0.0889973145
## Entropy_cooc.L.PET	0.691555697	0.2564776084
## DAVE_cooc.L.PET	0.446150495	0.0980129806
## DVAR_cooc.L.PET	0.373805875	0.0355704624
## DENT_cooc.L.PET	0.663362006	0.2020823841
## SAVE_cooc.L.PET	0.478929754	0.2224053852
## SVAR_cooc.L.PET	0.335837243	0.1371234898
## SENT_cooc.L.PET	0.674118405	0.2311288200
## ASM_cooc.L.PET	0.347378799	0.1186893586
## Contrast_cooc.L.PET	0.280229433	0.0005549591
## Dissimilarity_cooc.L.PET	0.446150495	0.0980129806
## Inv_diff_cooc.L.PET	0.711606740	0.2244508413
## Inv_diff_norm_cooc.L.PET	0.738478021	0.2395053843
## IDM_cooc.L.PET	0.667517887	0.2000312808
## IDM_norm_cooc.L.PET	0.732777261	0.2377571021
## Inv_var_cooc.L.PET	0.674075665	0.2041051678
## Correlation_cooc.L.PET	0.505948963	0.2745048059
## Autocorrelation_cooc.L.PET	0.299930862	0.1900815312
## Tendency_cooc.L.PET	0.335837243	0.1371234898
## Shade_cooc.L.PET	0.196185878	-0.0241721999
## Prominence_cooc.L.PET	0.195398287	0.0383203543
## IC1_.L.PET	-0.133278677	0.0541088820
## IC2_.L.PET	0.596216728	0.1486194524
## Coarseness_vdif_.L.PET	0.316959763	0.0779766190
## Contrast_vdif_.L.PET	0.097675348	-0.1014563264
## Busyness_vdif_.L.PET	0.380993009	0.1810623390
## Complexity_vdif_.L.PET	0.449016074	0.0323011792
## Strength_vdif_.L.PET	0.135210407	-0.1102553761
## SRE_align.L.PET	0.721086667	0.2283816436
## LRE_align.L.PET	0.733234329	0.2325608946
## GLNU_align.L.PET	0.315111689	0.1606353350
## RLNU_align.L.PET	0.278462728	0.1594254465
## RP_align.L.PET	0.719489754	0.2271417630
## LGRE_align.L.PET	0.541610351	0.0621796968
## HGRE_align.L.PET	0.316335647	0.1820674988
## LGSRE_align.L.PET	0.542802371	0.0656626625
## HGSRE_align.L.PET	0.314610419	0.1794250764
## LGHRE_align.L.PET	0.533445867	0.0484530540
## HGLRE_align.L.PET	0.322573357	0.1921001466
## GLNU_norm_align.L.PET	0.559799584	0.1195190414
## RLNU_norm_align.L.PET	0.713405205	0.2234940068
## GLVAR_align.L.PET	0.350703037	0.1238521949
## RLVAR_align.L.PET	0.551043812	0.2018785193
## Entropy_align.L.PET	0.691801922	0.2591581207
## SZSE.L.PET	0.705953454	0.2323312240
## LZSE.L.PET	0.526276362	0.1450556671
## LGLZE.L.PET	0.546715716	0.0650065056
## HGLZE.L.PET	0.321554766	0.1794827056
## SZLGE.L.PET	0.545471705	0.0756846539
## SZHGE.L.PET	0.322432526	0.1760304974

## LZLGE.L.PET	0.490307777	0.0163159749
## LZHGE.L.PET	0.252904314	0.1625009320
## GLNU_area.L.PET	0.317667181	0.1619280566
## ZSNU.L.PET	0.279348612	0.1590315903
## ZSP.L.PET	0.704053807	0.2249949489
## GLNU_norm.L.PET	0.559949694	0.1208273081
## ZSNU_norm.L.PET	0.697488520	0.2155746285
## GLVAR_area.L.PET	0.357745525	0.1275265671
## ZSVAR.L.PET	0.422310036	0.1509792947
## Entropy_area.L.PET	0.698508263	0.2640891472
## Max_cooc.H.PET	0.260855898	0.0187115604
## Average_cooc.H.PET	0.714001873	0.2015597664
## Variance_cooc.H.PET	0.576279312	0.2628739215
## Entropy_cooc.H.PET	0.517740487	0.1983281884
## DAVE_cooc.H.PET	0.601319189	0.1818972094
## DVAR_cooc.H.PET	0.591048182	0.2133132947
## DENT_cooc.H.PET	0.662661018	0.0702526425
## SAVE_cooc.H.PET	0.741738295	0.1800990527
## SVAR_cooc.H.PET	0.669555392	0.2194545676
## SENT_cooc.H.PET	0.467291201	0.1531411902
## ASM_cooc.H.PET	0.246389758	0.0791227603
## Contrast_cooc.H.PET	0.521857306	0.1626100475
## Dissimilarity_cooc.H.PET	0.601319189	0.1818972094
## Inv_diff_cooc.H.PET	0.536944739	0.1577789251
## Inv_diff_norm_cooc.H.PET	0.728950206	0.2329170849
## IDM_cooc.H.PET	0.465142781	0.1283171210
## IDM_norm_cooc.H.PET	0.727835350	0.2312649749
## Inv_var_cooc_.H.PET	0.460432221	0.1734506290
## Correlation_cooc.H.PET	0.489820504	0.2862248412
## Autocorrelation_cooc.H.PET	0.678548600	0.1871611348
## Tendency_cooc.H.PET	0.554132267	0.2935266309
## Shade_cooc.H.PET	-0.239947784	-0.1176189090
## Prominence_cooc.H.PET	0.390224180	0.2569357213
## IC1_d.H.PET	-0.084447219	-0.0665842535
## IC2_d.H.PET	0.575181024	0.2622246044
## Coarseness_vdif.H.PET	0.326752016	0.1116737852
## Contrast_vdif.H.PET	0.199664276	0.1110715576
## Busyness_vdif.H.PET	0.176486026	0.1649668360
## Complexity_vdif.H.PET	0.446028657	0.0750206222
## Strength_vdif.H.PET	-0.043610031	0.0141798588
## SRE_align.H.PET	0.691161593	0.2185526766
## LRE_align.H.PET	0.539967733	0.1367406236
## RLNU_align.H.PET	0.271229270	0.1724519633
## RP_align.H.PET	0.677650934	0.2145392990
## LGRE_align.H.PET	0.348688325	0.1449556524
## HGRE_align.H.PET	0.685210385	0.1889509279
## LGSRE_align.H.PET	0.346995147	0.1438721846
## HGSRE_align.H.PET	0.703390997	0.1800404747
## LGHRE_align.H.PET	0.358962340	0.1498056270
## HGLRE_align.H.PET	0.377339135	0.1120450364
## GLNU_norm_align.H.PET	0.416507440	0.0831575798
## RLNU_norm_align.H.PET	0.632612141	0.1974296396
## GLVAR_align.H.PET	0.559992184	0.2596713647
## RLVAR_align.H.PET	0.293798045	0.0603285303

## Entropy_align.H.PET	0.648078766	0.2687493701
## SZSE.H.PET	0.616738822	0.1822153404
## LZSE.H.PET	0.043035103	-0.1057267290
## LGLZE.H.PET	0.348016481	0.1477087351
## HGLZE.H.PET	0.743984365	0.0942776996
## SZLGE.H.PET	0.344530337	0.1447891058
## SZHGE.H.PET	0.635685768	0.0845312650
## LZLGE.H.PET	0.081701962	-0.0835777875
## LZHGE.H.PET	0.023062023	-0.0601891977
## GLNU_area.H.PET	0.313634211	0.1607789828
## ZSNU.H.PET	0.237925083	0.1669848457
## ZSP.H.PET	0.461210454	0.1374985677
## GLNU_norm.H.PET	0.392068839	0.1169673161
## ZSNU_norm.H.PET	0.503896957	0.1385568240
## GLVAR_area.H.PET	0.565297524	0.2560978159
## ZSVAR_H.PET	0.036112949	-0.0916535962
## Entropy_area.H.PET	0.706289800	0.2833427824
## Max_cooc.W.PET	0.263553294	0.0694655342
## Average_cooc.W.PET	0.346086166	0.2530282639
## Variance_cooc.W.PET	0.181215864	0.1936051715
## Entropy_cooc.W.PET	0.602150949	0.2376078099
## DAVE_cooc.W.PET	0.354339482	0.1683436047
## DVAR_cooc.W.PET	0.192182946	0.1509215084
## DENT_cooc.W.PET	0.585883228	0.2041776350
## SAVE_cooc.W.PET	0.345479764	0.2528356925
## SVAR_cooc.W.PET	0.173421342	0.2067591824
## SENT_cooc.W.PET	0.632745561	0.2361720536
## ASM_cooc.W.PET	0.300167462	0.1138110429
## Contrast_cooc.W.PET	0.185020978	0.1417201118
## Dissimilarity_cooc.W.PET	0.354339482	0.1683436047
## Inv_diff_cooc.W.PET	0.587868370	0.1678277145
## Inv_diff_norm_cooc.W.PET	0.738235120	0.2390318840
## IDM_cooc.W.PET	0.498075400	0.1405326761
## IDM_norm_cooc.W.PET	0.732716488	0.2369328703
## Inv_var_cooc.W.PET	0.550643996	0.1481814325
## Correlation_cooc.W.PET	0.505688176	0.2766689437
## Autocorrelation_cooc.W.PET	0.174730500	0.2521891179
## Tendency_cooc.W.PET	0.173421342	0.2067591824
## Shade_cooc.W.PET	0.067441596	0.1081203231
## Prominence_cooc.W.PET	0.047923138	0.1309406920
## IC1_d.W.PET	-0.075078932	-0.0324349535
## IC2_d.W.PET	0.608571591	0.2257599076
## Coarseness_vdif.W.PET	0.280152156	0.0475418431
## Contrast_vdif.W.PET	0.256144701	0.0938379921
## Busyness_vdif.W.PET	0.263413996	0.1127991946
## Complexity_vdif.W.PET	0.159264945	0.2033138175
## Strength_vdif.W.PET	0.175469790	-0.0070304711
## SRE_align.W.PET	0.713712660	0.2246495015
## LRE_align.W.PET	0.662009602	0.2075036951
## GLNU_align.W.PET	0.338369829	0.1306925851
## RLNU_align.W.PET	0.274647686	0.1666043354
## RP_align.W.PET	0.707620298	0.2225233138
## LGRE_align.W.PET	0.419936579	0.0457703460
## HGRE_align.W.PET	0.177264302	0.2488420272

## LGSRE_align.W.PET	0.444788557	0.0478758586	
## HGSRE_align.W.PET	0.173885317	0.2461656461	
## LGHRE_align.W.PET	0.308779825	0.0256765873	
## HGLRE_align.W.PET	0.190694846	0.2592117359	
## GLNU_norm_align.W.PET	0.412583424	0.0856601689	
## RLNU_norm_align.W.PET	0.687796416	0.2133456206	
## GLVAR_align.W.PET	0.184968588	0.2130366343	
## RLVAR_align.W.PET	0.332625405	0.1000044304	
## Entropy_align.W.PET	0.645782974	0.2633967342	
## SZSE.W.PET	0.680058318	0.2045691301	
## LZSE.W.PET	0.107915034	0.0114698539	
## LGLZE.W.PET	0.433156026	0.0779796399	
## HGLZE.W.PET	0.179183893	0.2460098306	
## SZLGE.W.PET	0.486670274	0.0766173653	
## SZHGE.W.PET	0.170410212	0.2361946066	
## LZLGE.W.PET	0.043268206	-0.0566653271	
## LZHGE.W.PET	0.173071134	0.2641135514	
## GLNU_area.W.PET	0.336281955	0.1485142238	
## ZSNU.W.PET	0.260367813	0.1658808339	
## ZSP.W.PET	0.626550695	0.1862189915	
## GLNU_norm.W.PET	0.416532578	0.1057407492	
## ZSNU_norm.W.PET	0.613787177	0.1582329064	
## GLVAR_area.W.PET	0.187908098	0.2128884380	
## ZSVAR.W.PET	0.050861581	-0.0210576307	
## Entropy_area.W.PET	0.685668635	0.2774229209	
## Min_hist.ADC	-0.107612818	0.1260901892	
## Max_hist.ADC	0.874825944	0.1888290340	
## Mean_hist.ADC	0.637655022	-0.0751519735	
## Variance_hist.ADC	0.932848417	-0.0098532628	
## Standard_Deviation_hist.ADC	1.000000000	0.0709715537	
## Skewness_hist.ADC	0.070971554	1.0000000000	
## Kurtosis_hist.ADC	-0.027158033	0.2680096696	
## Energy_hist.ADC	0.322870057	0.1428213874	
## Entropy_hist.ADC	0.796448063	0.1918269781	
## AUC_hist.ADC	0.718985062	0.3885686149	
## Volume.ADC	0.351635214	0.2647539940	
## X3D_surface.ADC	0.606374474	0.2455100066	
## ratio_3ds_vol.ADC	0.313377759	0.1217908487	
## ratio_3ds_vol_norm.ADC	0.746544580	0.2198926707	
## irregularity.ADC	0.643514697	0.2664637993	
## Compactness_v1.ADC	0.485490151	0.1846672020	
##	Kurtosis_hist.ADC	Energy_hist.ADC	Entropy_hist.ADC
## Failure	-0.048133649	0.083821650	-0.092255190
## Entropy_cooc.W.ADC	0.023599552	-0.059103980	0.164269117
## GLNU_align.H.PET	-0.005532774	0.029024161	0.048122708
## Min_hist.PET	0.166240311	0.099611369	0.556745219
## Max_hist.PET	0.234366594	0.109365131	0.592725649
## Mean_hist.PET	0.192259229	0.095457885	0.562063723
## Variance_hist.PET	0.186328136	0.026873272	0.300574806
## Standard_Deviation_hist.PET	0.257887178	0.135256039	0.568947241
## Skewness_hist.PET	0.216891247	0.292930772	0.525313124
## Kurtosis_hist.PET	0.018032520	0.132809242	0.196046446
## Energy_hist.PET	0.088806348	0.981472663	0.351141715
## Entropy_hist.PET	0.190330614	0.272425911	0.898023645

## AUC_hist.PET	0.269691635	0.497087691	0.948069593
## H_suv.PET	0.235616299	0.239928472	0.570074062
## Volume.PET	0.068999899	-0.171856833	0.400895462
## X3D_surface.PET	0.106731297	0.086517077	0.300887697
## ratio_3ds_vol.PET	0.227665354	0.649366343	0.459747488
## ratio_3ds_vol_norm.PET	0.336798845	0.631474425	0.558337318
## irregularity.PET	0.252743693	0.467818338	0.896465036
## tumor_length.PET	0.262711314	0.305350785	0.664093177
## Compactness_v1.PET	0.108006708	0.911540779	0.483278640
## Compactness_v2.PET	0.028724192	-0.260761482	0.245617157
## Spherical_disproportion.PET	0.336798845	0.631474425	0.558337318
## Sphericity.PET	-0.008706688	-0.405027255	0.252638931
## Asphericity.PET	0.333984225	0.629469651	0.537466155
## Center_of_mass.PET	0.210699247	0.154460462	0.407424985
## Max_3D_diam.PET	0.156189342	-0.170497236	0.520121244
## Major_axis_length.PET	0.184505456	-0.033662100	0.551892303
## Minor_axis_length.PET	0.232423577	0.125564109	0.724783151
## Least_axis_length.PET	0.191644108	0.003653650	0.637914116
## Elongation.PET	0.204651580	0.490895455	0.826867046
## Flatness.PET	0.158483878	0.383964963	0.791732754
## Max_cooc.L.PET	0.110346794	0.989199535	0.392593930
## Average_cooc.L.PET	0.160387723	0.378305158	0.718124751
## Variance_cooc.L.PET	0.127846498	0.349843324	0.512457136
## Entropy_cooc.L.PET	0.276652126	0.379231475	0.940817514
## DAVE_cooc.L.PET	0.141995627	0.385796373	0.639101241
## DVAR_cooc.L.PET	0.172641415	0.418353508	0.549473333
## DENT_cooc.L.PET	0.249186571	0.425045682	0.897159525
## SAVE_cooc.L.PET	0.160328884	0.377238566	0.717986437
## SVAR_cooc.L.PET	0.157020613	0.332467412	0.530405417
## SENT_cooc.L.PET	0.279031954	0.505487508	0.909311954
## ASM_cooc.L.PET	0.103723543	0.993051920	0.368614163
## Contrast_cooc.L.PET	0.064283087	0.330067995	0.414904896
## Dissimilarity_cooc.L.PET	0.141995627	0.385796373	0.639101241
## Inv_diff_cooc.L.PET	0.267446441	0.522648407	0.858466446
## Inv_diff_norm_cooc.L.PET	0.280822084	0.453768864	0.957891317
## IDM_cooc.L.PET	0.243003754	0.573265079	0.775295443
## IDM_norm_cooc.L.PET	0.277898508	0.453612613	0.956155543
## Inv_var_cooc.L.PET	0.250345958	0.569996830	0.783244065
## Correlation_cooc.L.PET	0.282858019	0.300348630	0.672670429
## Autocorrelation_cooc.L.PET	0.077029010	0.325097437	0.498930670
## Tendency_cooc.L.PET	0.157020613	0.332467412	0.530405417
## Shade_cooc.L.PET	0.226684730	0.123773829	0.267273909
## Prominence_cooc.L.PET	0.131771020	0.271398994	0.331002748
## IC1_.L.PET	-0.064983526	0.018773729	-0.222216166
## IC2_.L.PET	0.259292417	0.538206449	0.791712022
## Coarseness_vdif_.L.PET	0.086427387	0.928672505	0.357029345
## Contrast_vdif_.L.PET	-0.040626327	0.236966941	0.124245336
## Busyness_vdif_.L.PET	0.123225042	-0.064522162	0.391307066
## Complexity_vdif_.L.PET	0.146803463	0.443272995	0.606999526
## Strength_vdif_.L.PET	0.024618592	0.321480607	0.167075052
## SRE_align.L.PET	0.269228244	0.463512758	0.946886709
## LRE_align.L.PET	0.281629739	0.440829288	0.953681999
## GLNU_align.L.PET	0.155772107	-0.055081174	0.338670877
## RLNU_align.L.PET	0.132208905	-0.107854714	0.311991764

## RP_align.L.PET	0.268613640	0.464010915	0.945622284
## LGRE_align.L.PET	0.184247637	0.654398663	0.582157428
## HGRE_align.L.PET	0.087002318	0.336612290	0.518812259
## LGSRE_align.L.PET	0.185684244	0.665160999	0.585432946
## HGSRE_align.L.PET	0.085678735	0.338171032	0.516036855
## LGHRE_align.L.PET	0.177254231	0.610049351	0.566116129
## HGLRE_align.L.PET	0.093109033	0.328924467	0.528612691
## GLNU_norm_align.L.PET	0.163286261	0.893338167	0.615090240
## RLNU_norm_align.L.PET	0.266323897	0.466491869	0.940579144
## GLVAR_align.L.PET	0.130841214	0.354872560	0.548056397
## RLVAR_align.L.PET	0.206978868	0.805618832	0.627221361
## Entropy_align.L.PET	0.277776810	0.394393068	0.940785281
## SZSE.L.PET	0.246467517	0.468941582	0.924017814
## LZSE.L.PET	0.255411810	0.270942871	0.680483510
## LGLZE.L.PET	0.187433360	0.666791929	0.593768915
## HGLZE.L.PET	0.092146152	0.338430440	0.528482377
## SZLGE.L.PET	0.182111577	0.698679066	0.599129468
## SZHGE.L.PET	0.082305640	0.344649266	0.524351306
## LZLGE.L.PET	0.159086792	0.467999044	0.489709964
## LZHGE.L.PET	0.122650245	0.244652314	0.435444971
## GLNU_area.L.PET	0.146470348	-0.061769178	0.340615850
## ZSNU.L.PET	0.114747904	-0.117293512	0.312734498
## ZSP.L.PET	0.245372898	0.467925238	0.925643081
## GLNU_norm.L.PET	0.163254612	0.896871310	0.616043532
## ZSNU_norm.L.PET	0.242168620	0.470613608	0.921441253
## GLVAR_area.L.PET	0.137923222	0.362174224	0.559353992
## ZSVAR.L.PET	0.219050352	0.317298076	0.481921125
## Entropy_area.L.PET	0.286990437	0.390360995	0.946919446
## Max_cooc.H.PET	0.034640822	0.420215637	0.217873083
## Average_cooc.H.PET	0.238681814	0.438667316	0.907711272
## Variance_cooc.H.PET	0.251224555	0.316831588	0.844668163
## Entropy_cooc.H.PET	0.286755574	0.279091406	0.786433156
## DAVE_cooc.H.PET	0.207820623	0.356533084	0.836823014
## DVAR_cooc.H.PET	0.175843523	0.368716833	0.807632155
## DENT_cooc.H.PET	0.159031202	0.191516732	0.819159452
## SAVE_cooc.H.PET	0.238790097	0.418014936	0.928161059
## SVAR_cooc.H.PET	0.193631451	0.316096130	0.872187850
## SENT_cooc.H.PET	0.299168393	0.585823628	0.676668743
## ASM_cooc.H.PET	0.011184706	0.513798360	0.198284011
## Contrast_cooc.H.PET	0.154937934	0.328544932	0.738897838
## Dissimilarity_cooc.H.PET	0.207820623	0.356533084	0.836823014
## Inv_diff_cooc.H.PET	0.143862605	0.473795608	0.601843657
## Inv_diff_norm_cooc.H.PET	0.275573558	0.469809841	0.945559342
## IDM_cooc.H.PET	0.103336384	0.448238847	0.495667191
## IDM_norm_cooc.H.PET	0.276422414	0.461962872	0.949710455
## Inv_var_cooc_.H.PET	0.239300719	0.878074698	0.551304584
## Correlation_cooc.H.PET	0.293582190	0.298813432	0.683839825
## Autocorrelation_cooc.H.PET	0.209515464	0.439833254	0.839725520
## Tendency_cooc.H.PET	0.280772697	0.282041361	0.826273104
## Shade_cooc.H.PET	-0.007034910	-0.170364973	-0.416808020
## Prominence_cooc.H.PET	0.228232921	0.162727902	0.641252769
## IC1_d.H.PET	-0.099714394	0.368482868	-0.143806484
## IC2_d.H.PET	0.317217682	0.355861457	0.777004005
## Coarseness_vdif.H.PET	0.099714023	0.991857603	0.351991300

## Contrast_vdif.H.PET	-0.043172581	0.291438913	0.173003708
## Busyness_vdif.H.PET	-0.034782563	-0.402765143	0.156299073
## Complexity_vdif.H.PET	0.189166167	0.674269190	0.593350748
## Strength_vdif.H.PET	-0.030922022	0.135914127	-0.054571821
## SRE_align.H.PET	0.278161760	0.435798213	0.932121984
## LRE_align.H.PET	0.129697393	0.326885710	0.590661070
## RLNU_align.H.PET	0.136528133	-0.095839026	0.308683444
## RP_align.H.PET	0.274874390	0.430693764	0.920040215
## LGRE_align.H.PET	0.112543619	0.987513514	0.389535780
## HGRE_align.H.PET	0.215842022	0.433794495	0.845893026
## LGSRE_align.H.PET	0.111643886	0.987747780	0.386905449
## HGSRE_align.H.PET	0.247773733	0.428992115	0.897142650
## LGHRE_align.H.PET	0.116947518	0.986519555	0.403629445
## HGLRE_align.H.PET	0.058367247	0.258112197	0.387086106
## GLNU_norm_align.H.PET	0.055927130	0.467730660	0.411975565
## RLNU_norm_align.H.PET	0.268930708	0.401761775	0.876304774
## GLVAR_align.H.PET	0.242681635	0.291950727	0.822271432
## RLVAR_align.H.PET	0.035282442	0.218896591	0.260067496
## Entropy_align.H.PET	0.306802354	0.307537225	0.904733675
## SZSE.H.PET	0.258624891	0.363651861	0.848410624
## LZSE.H.PET	-0.060598193	-0.062386306	-0.035689424
## LGLZE.H.PET	0.112177518	0.985602297	0.390678155
## HGLZE.H.PET	0.186886099	0.358410754	0.844598621
## SZLGE.H.PET	0.109221612	0.986391687	0.383933960
## SZHGE.H.PET	0.228529886	0.315249046	0.809880937
## LZLGE.H.PET	-0.033064677	0.070882272	0.017679031
## LZHGE.H.PET	-0.050102733	-0.014929395	-0.050461155
## GLNU_area.H.PET	0.117533202	-0.112362780	0.345614195
## ZSNU.H.PET	0.107381535	-0.101208109	0.273108135
## ZSP.H.PET	0.205654328	0.251772270	0.674045741
## GLNU_norm.H.PET	0.068445847	0.476135963	0.417442187
## ZSNU_norm.H.PET	0.233031175	0.294575135	0.729263395
## GLVAR_area.H.PET	0.228042895	0.278165086	0.811400987
## ZSVAR.H.PET	-0.051097268	-0.038329015	-0.041518098
## Entropy_area.H.PET	0.305672447	0.350996118	0.942569157
## Max_cooc.W.PET	0.046313842	0.643376469	0.244802012
## Average_cooc.W.PET	0.226198763	0.109530248	0.558550142
## Variance_cooc.W.PET	0.179431741	0.036439560	0.295586386
## Entropy_cooc.W.PET	0.295262486	0.278061281	0.860375819
## DAVE_cooc.W.PET	0.216398607	0.146138598	0.561227275
## DVAR_cooc.W.PET	0.158564361	0.037972840	0.315490944
## DENT_cooc.W.PET	0.283719680	0.292960932	0.835177229
## SAVE_cooc.W.PET	0.226039507	0.107514800	0.557946375
## SVAR_cooc.W.PET	0.185503004	0.033929221	0.275757770
## SENT_cooc.W.PET	0.317656931	0.404302317	0.885349717
## ASM_cooc.W.PET	0.053946774	0.816911214	0.282004735
## Contrast_cooc.W.PET	0.147381639	0.038505419	0.320659301
## Dissimilarity_cooc.W.PET	0.216398607	0.146138598	0.561227275
## Inv_diff_cooc.W.PET	0.148934966	0.491567801	0.678492319
## Inv_diff_norm_cooc.W.PET	0.279972672	0.456021005	0.957017092
## IDM_cooc.W.PET	0.102552970	0.460867436	0.542972303
## IDM_norm_cooc.W.PET	0.277587457	0.454630359	0.955887774
## Inv_var_cooc.W.PET	0.129309994	0.493012042	0.615594014
## Correlation_cooc.W.PET	0.284727344	0.297767098	0.674605985

## Autocorrelation_cooc.W.PET	0.173748990	-0.003487047	0.304068823
## Tendency_cooc.W.PET	0.185503004	0.033929221	0.275757770
## Shade_cooc.W.PET	0.105577329	0.037642968	0.062481967
## Prominence_cooc.W.PET	0.078568914	0.011092874	0.030961995
## IC1_d.W.PET	-0.114508153	0.430223737	-0.151132613
## IC2_d.W.PET	0.323867756	0.419300840	0.817403857
## Coarseness_vdif.W.PET	0.054469680	0.860162256	0.313001016
## Contrast_vdif.W.PET	0.123991570	0.281290854	0.441313324
## Busyness_vdif.W.PET	-0.009183698	-0.072600651	0.217462918
## Complexity_vdif.W.PET	0.162327976	0.019970445	0.206801877
## Strength_vdif.W.PET	0.081125637	0.189103585	0.231527816
## SRE_align.W.PET	0.277903441	0.450756796	0.947861558
## LRE_align.W.PET	0.209803896	0.420578690	0.811813158
## GLNU_align.W.PET	0.104003937	-0.105937044	0.343830891
## RLNU_align.W.PET	0.138961129	-0.097446995	0.310489199
## RP_align.W.PET	0.277985431	0.447443400	0.944136263
## LGRE_align.W.PET	0.077412287	0.443995350	0.403071390
## HGRE_align.W.PET	0.179963644	-0.010504228	0.306383148
## LGSRE_align.W.PET	0.089445844	0.473936603	0.437354675
## HGSRE_align.W.PET	0.178173820	-0.011763455	0.301294480
## LGHRE_align.W.PET	0.029083188	0.308651969	0.255948453
## HGLRE_align.W.PET	0.187722302	-0.005601858	0.326611964
## GLNU_norm_align.W.PET	0.060346056	0.567378044	0.407278256
## RLNU_norm_align.W.PET	0.281388948	0.432649279	0.929321358
## GLVAR_align.W.PET	0.187513553	0.024652045	0.300689862
## RLVAR_align.W.PET	0.052952682	0.362478156	0.314380701
## Entropy_align.W.PET	0.303125556	0.308703378	0.903877370
## SZSE.W.PET	0.264386892	0.426462023	0.910577543
## LZSE.W.PET	0.027523102	0.114218220	0.086624652
## LGLZE.W.PET	0.097497280	0.466648593	0.432865820
## HGLZE.W.PET	0.181602789	-0.008999058	0.308600051
## SZLGE.W.PET	0.135352464	0.546618931	0.510814594
## SZHGE.W.PET	0.168930527	-0.011792236	0.294247150
## LZLGE.W.PET	-0.046578490	0.031809177	-0.028817071
## LZHGE.W.PET	0.265974455	0.040844475	0.336055181
## GLNU_area.W.PET	0.109482470	-0.108441506	0.353857910
## ZSNU.W.PET	0.122056999	-0.097294149	0.295263217
## ZSP.W.PET	0.244582938	0.365934805	0.854645401
## GLNU_norm.W.PET	0.067905530	0.585104839	0.425944923
## ZSNU_norm.W.PET	0.261077622	0.370643207	0.846822296
## GLVAR_area.W.PET	0.192515174	0.029636913	0.304301982
## ZSVAR.W.PET	0.008759966	0.074697251	0.009695981
## Entropy_area.W.PET	0.307120342	0.337420987	0.934967321
## Min_hist.ADC	0.074097782	0.250976273	0.141405077
## Max_hist.ADC	0.284436519	0.330951114	0.925817346
## Mean_hist.ADC	0.254929150	0.363782466	0.803960459
## Variance_hist.ADC	-0.158263150	0.229463585	0.564709905
## Standard_Deviation_hist.ADC	-0.027158033	0.322870057	0.796448063
## Skewness_hist.ADC	0.268009670	0.142821387	0.191826978
## Kurtosis_hist.ADC	1.000000000	0.105375870	0.249264791
## Energy_hist.ADC	0.105375870	1.000000000	0.351668566
## Entropy_hist.ADC	0.249264791	0.351668566	1.000000000
## AUC_hist.ADC	0.293381385	0.462919705	0.936565250
## Volume.ADC	0.060179396	-0.179469666	0.383662424

## X3D_surface.ADC	0.179018413	0.040006993	0.586983219
## ratio_3ds_vol.ADC	0.059938060	0.542419780	0.414238285
## ratio_3ds_vol_norm.ADC	0.245745118	0.349675251	0.921920008
## irregularity.ADC	0.228783826	0.487599559	0.842480054
## Compactness_v1.ADC	0.177841989	0.942832813	0.601785891
##	AUC_hist.ADC	Volume.ADC	X3D_surface.ADC
## Failure	-1.019534e-05	-0.131876806	-0.2027498620
## Entropy_cooc.W.ADC	3.055174e-02	0.097170014	0.2646027604
## GLNU_align.H.PET	-2.906271e-02	0.112978457	0.2165523335
## Min_hist.PET	5.265655e-01	0.347484769	0.2849254395
## Max_hist.PET	5.593282e-01	0.470126324	0.3853260654
## Mean_hist.PET	5.401826e-01	0.387463455	0.3189685469
## Variance_hist.PET	2.926237e-01	0.299595113	0.2144343843
## Standard_Deviation_hist.PET	5.573881e-01	0.370043786	0.3486487153
## Skewness_hist.PET	4.826272e-01	0.126165014	0.2499303913
## Kurtosis_hist.PET	1.293619e-01	0.144877554	0.1697525762
## Energy_hist.PET	4.488323e-01	-0.216985853	0.0313783228
## Entropy_hist.PET	8.578253e-01	0.547763687	0.5443955671
## AUC_hist.PET	9.759292e-01	0.320605819	0.4439317219
## H_suv.PET	5.954468e-01	0.272963572	0.3676725134
## Volume.PET	3.952732e-01	0.975462522	0.6191208598
## X3D_surface.PET	2.361773e-01	0.397757251	0.3521683203
## ratio_3ds_vol.PET	5.237002e-01	-0.272042918	-0.0158535590
## ratio_3ds_vol_norm.PET	5.712582e-01	-0.048099872	0.2383484493
## irregularity.PET	9.264725e-01	0.190200583	0.3192684764
## tumor_length.PET	6.041579e-01	0.378534996	0.4779921945
## Compactness_v1.PET	5.732400e-01	0.051712450	0.2078447109
## Compactness_v2.PET	2.428236e-01	0.487920717	0.2569599284
## Spherical_disproportion.PET	5.712582e-01	-0.048099872	0.2383484493
## Sphericity.PET	2.456675e-01	0.551765259	0.2875294348
## Asphericity.PET	5.499152e-01	-0.059733593	0.2286844052
## Center_of_mass.PET	3.818201e-01	0.345048417	0.3770560876
## Max_3D_diam.PET	4.869579e-01	0.765283122	0.5080438347
## Major_axis_length.PET	5.300900e-01	0.728965598	0.5050823788
## Minor_axis_length.PET	6.840986e-01	0.653583738	0.6218813344
## Least_axis_length.PET	5.954642e-01	0.683440902	0.6063196215
## Elongation.PET	8.269561e-01	0.111155944	0.3386450729
## Flatness.PET	7.859793e-01	0.153857614	0.3668589660
## Max_cooc.L.PET	4.772234e-01	-0.161373058	0.0855929888
## Average_cooc.L.PET	7.986853e-01	0.082711084	0.1925688536
## Variance_cooc.L.PET	6.067296e-01	-0.178508594	-0.0130750635
## Entropy_cooc.L.PET	9.635887e-01	0.335086594	0.4378905907
## DAVE_cooc.L.PET	7.239319e-01	-0.039393016	0.1027026371
## DVAR_cooc.L.PET	6.331020e-01	-0.100054491	0.0348906559
## DENT_cooc.L.PET	9.427080e-01	0.219637379	0.3432312931
## SAVE_cooc.L.PET	7.984753e-01	0.082956723	0.1925512559
## SVAR_cooc.L.PET	6.165551e-01	-0.155236398	0.0088171067
## SENT_cooc.L.PET	9.514492e-01	0.211207088	0.3553955090
## ASM_cooc.L.PET	4.523203e-01	-0.162797899	0.0855642443
## Contrast_cooc.L.PET	5.093693e-01	-0.191401863	-0.0461092697
## Dissimilarity_cooc.L.PET	7.239319e-01	-0.039393016	0.1027026371
## Inv_diff_cooc.L.PET	8.446453e-01	0.402880241	0.4955344663
## Inv_diff_norm_cooc.L.PET	9.734727e-01	0.356463967	0.4569749079
## IDM_cooc.L.PET	7.595750e-01	0.365890624	0.4667325920

## IDM_norm_cooc.L.PET	9.762717e-01	0.340747212	0.4441934910
## Inv_var_cooc.L.PET	7.644135e-01	0.378283266	0.4838052390
## Correlation_cooc.L.PET	6.493212e-01	0.332452866	0.3931371603
## Autocorrelation_cooc.L.PET	5.964870e-01	-0.074746372	0.0381372066
## Tendency_cooc.L.PET	6.165551e-01	-0.155236398	0.0088171067
## Shade_cooc.L.PET	2.612729e-01	-0.139094852	-0.0010215917
## Prominence_cooc.L.PET	4.080223e-01	-0.300055042	-0.1218792939
## IC1_.L.PET	-2.892924e-01	0.195560063	0.1828526314
## IC2_.L.PET	8.516144e-01	0.023575264	0.1882194826
## Coarseness_vdif_.L.PET	4.683128e-01	-0.274345209	-0.0418395763
## Contrast_vdif_.L.PET	2.060916e-01	-0.210763995	-0.1454784943
## Busyness_vdif_.L.PET	3.628229e-01	0.733334834	0.5516487824
## Complexity_vdif_.L.PET	6.786091e-01	-0.080174261	0.0980887538
## Strength_vdif_.L.PET	2.402342e-01	-0.313251815	-0.2109439135
## SRE_align.L.PET	9.756102e-01	0.303497612	0.4164371550
## LRE_align.L.PET	9.696074e-01	0.353074775	0.4495817814
## GLNU_align.L.PET	2.952883e-01	0.666755833	0.4714161831
## RLNU_align.L.PET	2.754289e-01	0.662780070	0.4784992312
## RP_align.L.PET	9.750860e-01	0.298961639	0.4131215386
## LGRE_align.L.PET	6.000749e-01	0.038660959	0.2164072131
## HGRE_align.L.PET	6.188618e-01	-0.055549291	0.0604359450
## LGSRE_align.L.PET	6.055909e-01	0.033899017	0.2161781409
## HGSRE_align.L.PET	6.167145e-01	-0.060529658	0.0562665286
## LGHRE_align.L.PET	5.750550e-01	0.057731266	0.2163394133
## HGLRE_align.L.PET	6.256062e-01	-0.035618759	0.0773067031
## GLNU_norm_align.L.PET	6.677549e-01	0.009754547	0.2211414809
## RLNU_norm_align.L.PET	9.726347e-01	0.283377723	0.4016223384
## GLVAR_align.L.PET	6.424590e-01	-0.139919839	0.0268985433
## RLVAR_align.L.PET	6.535039e-01	0.190813108	0.3448887457
## Entropy_align.L.PET	9.680659e-01	0.332672826	0.4326998706
## SZSE.L.PET	9.567839e-01	0.295309298	0.4084843980
## LZSE.L.PET	6.705135e-01	0.262300307	0.3285681961
## LGLZE.L.PET	6.120842e-01	0.047668420	0.2241807580
## HGLZE.L.PET	6.271051e-01	-0.054210015	0.0628550779
## SZLGE.L.PET	6.242117e-01	0.041740525	0.2259810908
## SZHGE.L.PET	6.218794e-01	-0.053304747	0.0634371350
## LZLGE.L.PET	4.733993e-01	0.083959325	0.2045705651
## LZHGE.L.PET	5.153083e-01	-0.048305706	0.0557656827
## GLNU_area.L.PET	2.983263e-01	0.677876714	0.4810773390
## ZSNU.L.PET	2.780394e-01	0.670727261	0.4848970336
## ZSP.L.PET	9.605243e-01	0.279682260	0.3964935849
## GLNU_norm.L.PET	6.686305e-01	0.011429812	0.2237344362
## ZSNU_norm.L.PET	9.588330e-01	0.243982777	0.3747108467
## GLVAR_area.L.PET	6.527428e-01	-0.133954896	0.0320208629
## ZSVAR.L.PET	4.523457e-01	0.259778784	0.3204058260
## Entropy_area.L.PET	9.698891e-01	0.353760633	0.4480755372
## Max_cooc.H.PET	2.682908e-01	-0.158407707	-0.0472962157
## Average_cooc.H.PET	9.382302e-01	0.249269185	0.3579955642
## Variance_cooc.H.PET	8.662278e-01	0.396098270	0.4436002033
## Entropy_cooc.H.PET	8.236062e-01	0.320465334	0.3587134757
## DAVE_cooc.H.PET	8.720729e-01	0.294118449	0.3748204091
## DVAR_cooc.H.PET	8.560235e-01	0.288704773	0.3545279925
## DENT_cooc.H.PET	7.420299e-01	0.417311522	0.4768466075
## SAVE_cooc.H.PET	9.438849e-01	0.289424149	0.4003779584

## SVAR_cooc.H.PET	8.413356e-01	0.455011697	0.5195856932
## SENT_cooc.H.PET	6.837225e-01	0.018959077	0.2521280440
## ASM_cooc.H.PET	2.713849e-01	-0.164939031	-0.0455987825
## Contrast_cooc.H.PET	7.851363e-01	0.252695195	0.3201368953
## Dissimilarity_cooc.H.PET	8.720729e-01	0.294118449	0.3748204091
## Inv_diff_cooc.H.PET	6.390709e-01	0.076465182	0.1979105913
## Inv_diff_norm_cooc.H.PET	9.702867e-01	0.307740644	0.4205942108
## IDM_cooc.H.PET	5.346263e-01	0.019654703	0.1374051793
## IDM_norm_cooc.H.PET	9.739101e-01	0.313831562	0.4249242547
## Inv_var_cooc.H.PET	5.999644e-01	0.001836996	0.2172767564
## Correlation_cooc.H.PET	6.623263e-01	0.347585860	0.4029553378
## Autocorrelation_cooc.H.PET	8.751578e-01	0.188435817	0.2963383093
## Tendency_cooc.H.PET	8.325621e-01	0.438194379	0.4706422734
## Shade_cooc.H.PET	-4.265894e-01	-0.203229297	-0.1585813160
## Prominence_cooc.H.PET	6.324493e-01	0.450191214	0.4329301461
## IC1_d.H.PET	-8.404178e-02	-0.202062850	-0.1236251619
## IC2_d.H.PET	7.693221e-01	0.335681667	0.4100342491
## Coarseness_vdif.H.PET	4.438196e-01	-0.196310523	0.0554795983
## Contrast_vdif.H.PET	2.786802e-01	-0.117674452	-0.1049929741
## Busyness_vdif.H.PET	1.946598e-01	0.670446101	0.4648309683
## Complexity_vdif.H.PET	6.371897e-01	-0.161898334	0.0943340019
## Strength_vdif.H.PET	1.426023e-02	-0.152703129	-0.1327765500
## SRE_align.H.PET	9.562412e-01	0.325698052	0.4278462768
## LRE_align.H.PET	6.012580e-01	0.133759414	0.2174150804
## RLNU_align.H.PET	2.755824e-01	0.668297284	0.4667409229
## RP_align.H.PET	9.453077e-01	0.319023208	0.4189428055
## LGRE_align.H.PET	4.746269e-01	-0.136339763	0.1037352034
## HGRE_align.H.PET	8.829595e-01	0.223447538	0.3242205556
## LGSRE_align.H.PET	4.721304e-01	-0.138621248	0.1017146052
## HGSRE_align.H.PET	9.302393e-01	0.263089395	0.3623082986
## LGHRE_align.H.PET	4.876827e-01	-0.124804181	0.1149604065
## HGLRE_align.H.PET	4.095691e-01	0.034852422	0.1181703853
## GLNU_norm_align.H.PET	4.723411e-01	-0.082529623	0.0398537928
## RLNU_norm_align.H.PET	8.991927e-01	0.310819852	0.4047406994
## GLVAR_align.H.PET	8.355505e-01	0.407043132	0.4471066140
## RLVAR_align.H.PET	2.593631e-01	0.008980953	0.1029952125
## Entropy_align.H.PET	9.006291e-01	0.448956139	0.5001703792
## SZSE.H.PET	8.497056e-01	0.342325029	0.4380066021
## LZSE.H.PET	-8.184794e-02	-0.069793396	-0.0147445921
## LGLZE.H.PET	4.757940e-01	-0.134843595	0.1042604272
## HGLZE.H.PET	8.214065e-01	0.262101861	0.3772101830
## SZLGE.H.PET	4.691204e-01	-0.140313446	0.0996226824
## SZHGE.H.PET	8.006394e-01	0.272763564	0.3754331061
## LZLGE.H.PET	-1.664797e-02	-0.084483387	0.0091850428
## LZHGE.H.PET	-6.736716e-02	-0.095911482	-0.0457875075
## GLNU_area.H.PET	3.172319e-01	0.698344118	0.5173390753
## ZSNU.H.PET	2.424317e-01	0.649681744	0.4231957442
## ZSP.H.PET	6.726388e-01	0.300190021	0.3493851712
## GLNU_norm.H.PET	4.904030e-01	-0.097476213	0.0256295873
## ZSNU_norm.H.PET	7.217127e-01	0.294565887	0.3818919139
## GLVAR_area.H.PET	8.148927e-01	0.419927124	0.4514335854
## ZSVAR.H.PET	-7.736348e-02	-0.080718065	-0.0260028194
## Entropy_area.H.PET	9.440691e-01	0.451517898	0.5109270878
## Max_cooc.W.PET	3.254915e-01	-0.185882234	-0.0262102918

## Average_cooc.W.PET	5.537187e-01	0.402289155	0.3451781311
## Variance_cooc.W.PET	2.879659e-01	0.264817040	0.1961532503
## Entropy_cooc.W.PET	8.583142e-01	0.421712454	0.4666188441
## DAVE_cooc.W.PET	5.626333e-01	0.294476509	0.2915732075
## DVAR_cooc.W.PET	3.151242e-01	0.234343942	0.1767590204
## DENT_cooc.W.PET	8.382404e-01	0.367564675	0.4267462534
## SAVE_cooc.W.PET	5.529387e-01	0.402729744	0.3450915105
## SVAR_cooc.W.PET	2.647371e-01	0.272389568	0.2012241216
## SENT_cooc.W.PET	8.912470e-01	0.339108859	0.4394285781
## ASM_cooc.W.PET	3.767116e-01	-0.197903362	-0.0009875281
## Contrast_cooc.W.PET	3.225148e-01	0.221554986	0.1652576963
## Dissimilarity_cooc.W.PET	5.626333e-01	0.294476509	0.2915732075
## Inv_diff_cooc.W.PET	7.204323e-01	0.111304662	0.2411131002
## Inv_diff_norm_cooc.W.PET	9.734439e-01	0.352141176	0.4534739018
## IDM_cooc.W.PET	5.867536e-01	0.042271213	0.1645910956
## IDM_norm_cooc.W.PET	9.762999e-01	0.338859061	0.4427663522
## Inv_var_cooc.W.PET	6.575141e-01	0.074029932	0.2075932591
## Correlation_cooc.W.PET	6.494647e-01	0.336108211	0.3974459481
## Autocorrelation_cooc.W.PET	2.986322e-01	0.360413601	0.2330670397
## Tendency_cooc.W.PET	2.647371e-01	0.272389568	0.2012241216
## Shade_cooc.W.PET	5.955744e-02	0.097224108	0.0594697076
## Prominence_cooc.W.PET	3.450168e-02	0.130717038	0.0442562937
## IC1_d.W.PET	-9.250094e-02	-0.156989469	-0.0808565013
## IC2_d.W.PET	8.245144e-01	0.261492379	0.3680567250
## Coarseness_vdif.W.PET	4.336924e-01	-0.291131655	-0.0855910793
## Contrast_vdif.W.PET	4.824309e-01	0.002893692	0.0923432060
## Busyness_vdif.W.PET	2.370156e-01	0.222044480	0.2121975161
## Complexity_vdif.W.PET	2.009854e-01	0.314340659	0.1738883769
## Strength_vdif.W.PET	2.283571e-01	-0.119399391	-0.0419437254
## SRE_align.W.PET	9.727450e-01	0.322316935	0.4291212781
## LRE_align.W.PET	8.361789e-01	0.227516787	0.3400881495
## GLNU_align.W.PET	3.011057e-01	0.629991993	0.4963041053
## RLNU_align.W.PET	2.757091e-01	0.665655967	0.4708879704
## RP_align.W.PET	9.691121e-01	0.321567707	0.4270348628
## LGRE_align.W.PET	4.489634e-01	-0.099106569	0.0438242167
## HGRE_align.W.PET	3.014598e-01	0.373023225	0.2409901983
## LGSRE_align.W.PET	4.853256e-01	-0.097624783	0.0566178620
## HGSRE_align.W.PET	2.967559e-01	0.368728701	0.2357561488
## LGHRE_align.W.PET	2.876417e-01	-0.103063918	-0.0006935942
## HGLRE_align.W.PET	3.199982e-01	0.389076189	0.2618067857
## GLNU_norm_align.W.PET	4.775371e-01	-0.112026364	0.0340321791
## RLNU_norm_align.W.PET	9.523959e-01	0.321853032	0.4243937095
## GLVAR_align.W.PET	2.924788e-01	0.301571339	0.2152021083
## RLVAR_align.W.PET	3.373422e-01	-0.017861890	0.0983809888
## Entropy_align.W.PET	9.027858e-01	0.444099594	0.4942393136
## SZSE.W.PET	9.288705e-01	0.341978149	0.4397298810
## LZSE.W.PET	1.011286e-01	-0.110825654	-0.0422907120
## LGLZE.W.PET	4.780219e-01	-0.095827139	0.0599888517
## HGLZE.W.PET	3.037913e-01	0.371387112	0.2376658967
## SZLGE.W.PET	5.542574e-01	-0.077013825	0.1088619146
## SZHGE.W.PET	2.899645e-01	0.360759698	0.2216026746
## LZLGE.W.PET	-2.990285e-02	-0.122048594	-0.0788574368
## LZHGE.W.PET	3.380733e-01	0.293461483	0.2509383046
## GLNU_area.W.PET	3.170980e-01	0.672283023	0.5175056414

## ZSNU.W.PET	2.628792e-01	0.664968207	0.4526370862
## ZSP.W.PET	8.645795e-01	0.344817845	0.4256629205
## GLNU_norm.W.PET	4.995082e-01	-0.118320888	0.0336477736
## ZSNU_norm.W.PET	8.554448e-01	0.325935786	0.4151237523
## GLVAR_area.W.PET	2.959366e-01	0.302437901	0.2155809392
## ZSVAR.W.PET	1.615969e-02	-0.128767287	-0.0652793906
## Entropy_area.W.PET	9.366725e-01	0.444185889	0.5030879740
## Min_hist.ADC	2.866549e-01	-0.041571052	-0.3207663536
## Max_hist.ADC	8.817439e-01	0.407541840	0.6574952330
## Mean_hist.ADC	7.962204e-01	0.218789759	0.2665967694
## Variance_hist.ADC	4.507586e-01	0.292830143	0.5775087054
## Standard_Deviation_hist.ADC	7.189851e-01	0.351635214	0.6063744736
## Skewness_hist.ADC	3.885686e-01	0.264753994	0.2455100066
## Kurtosis_hist.ADC	2.933814e-01	0.060179396	0.1790184133
## Energy_hist.ADC	4.629197e-01	-0.179469666	0.0400069926
## Entropy_hist.ADC	9.365652e-01	0.383662424	0.5869832189
## AUC_hist.ADC	1.000000e+00	0.383842285	0.5169683225
## Volume.ADC	3.838423e-01	1.000000000	0.6293236411
## X3D_surface.ADC	5.169683e-01	0.629323641	1.0000000000
## ratio_3ds_vol.ADC	5.990113e-01	-0.051944310	-0.2101681392
## ratio_3ds_vol_norm.ADC	9.366639e-01	0.494369268	0.5609701284
## irregularity.ADC	9.355037e-01	0.235651691	0.2559814827
## Compactness_v1.ADC	6.860774e-01	-0.097454369	0.1451803673
##	ratio_3ds_vol.ADC	ratio_3ds_vol_norm.ADC	
## Failure	0.2147901905		-0.05065018
## Entropy_cooc.W.ADC	-0.2298464511		0.07014422
## GLNU_align.H.PET	-0.2262413052		-0.03482347
## Min_hist.PET	0.2415827759		0.50778399
## Max_hist.PET	0.1925412266		0.54810318
## Mean_hist.PET	0.2186128926		0.51003144
## Variance_hist.PET	0.0472288985		0.25209590
## Standard_Deviation_hist.PET	0.2097357262		0.52167878
## Skewness_hist.PET	0.3575448304		0.55151237
## Kurtosis_hist.PET	0.0393223743		0.20580615
## Energy_hist.PET	0.5283292817		0.34605196
## Entropy_hist.PET	0.4479903608		0.89160978
## AUC_hist.PET	0.6537282954		0.94084677
## H_suv.PET	0.2670139651		0.53011431
## Volume.PET	-0.0294879173		0.50708349
## X3D_surface.PET	-0.0412367824		0.26732348
## ratio_3ds_vol.PET	0.6075347686		0.45679079
## ratio_3ds_vol_norm.PET	0.3983759687		0.48336839
## irregularity.PET	0.7030668820		0.89424048
## tumor_length.PET	0.2012504150		0.58017540
## Compactness_v1.PET	0.4927090779		0.48220993
## Compactness_v2.PET	0.0185701110		0.26689866
## Spherical_disproportion.PET	0.3983759687		0.48336839
## Sphericity.PET	0.0088688629		0.30696781
## Asphericity.PET	0.3845770771		0.46149478
## Center_of_mass.PET	0.1093855514		0.40367977
## Max_3D_diam.PET	0.0959527394		0.55539477
## Major_axis_length.PET	0.1506414737		0.56989955
## Minor_axis_length.PET	0.1926168763		0.71134290
## Least_axis_length.PET	0.1023930356		0.62366504

## Elongation.PET	0.5564386454	0.78171031
## Flatness.PET	0.4636325856	0.72443539
## Max_cooc.L.PET	0.4972221781	0.37802287
## Average_cooc.L.PET	0.6416224176	0.69913107
## Variance_cooc.L.PET	0.6516290870	0.52358187
## Entropy_cooc.L.PET	0.6021909624	0.91686296
## DAVE_cooc.L.PET	0.6792215064	0.65505523
## DVAR_cooc.L.PET	0.6249855890	0.56761555
## DENT_cooc.L.PET	0.6853030845	0.89276375
## SAVE_cooc.L.PET	0.6413236789	0.69900987
## SVAR_cooc.L.PET	0.6265344726	0.52796829
## SENT_cooc.L.PET	0.6886251819	0.89772115
## ASM_cooc.L.PET	0.4693101067	0.35024506
## Contrast_cooc.L.PET	0.6036819361	0.44607796
## Dissimilarity_cooc.L.PET	0.6792215064	0.65505523
## Inv_diff_cooc.L.PET	0.4771497669	0.83553961
## Inv_diff_norm_cooc.L.PET	0.6252664714	0.94285475
## IDM_cooc.L.PET	0.4262118844	0.75279777
## IDM_norm_cooc.L.PET	0.6381577101	0.94220620
## Inv_var_cooc.L.PET	0.4175829790	0.76034905
## Correlation_cooc.L.PET	0.3226855168	0.62753555
## Autocorrelation_cooc.L.PET	0.5623481795	0.47788881
## Tendency_cooc.L.PET	0.6265344726	0.52796829
## Shade_cooc.L.PET	0.2987555019	0.28877609
## Prominence_cooc.L.PET	0.5414621525	0.33579224
## IC1_.L.PET	-0.5200240868	-0.27893327
## IC2_.L.PET	0.7529004950	0.78929771
## Coarseness_vdif_.L.PET	0.6110022889	0.36418921
## Contrast_vdif_.L.PET	0.4449125324	0.18264234
## Busyness_vdif_.L.PET	-0.0109886914	0.46937629
## Complexity_vdif_.L.PET	0.6543059709	0.61926911
## Strength_vdif_.L.PET	0.5145088527	0.22147657
## SRE_align.L.PET	0.6631847630	0.93620408
## LRE_align.L.PET	0.6274424620	0.93939826
## GLNU_align.L.PET	-0.0461060380	0.37704790
## RLNU_align.L.PET	-0.0724745780	0.34532413
## RP_align.L.PET	0.6653218358	0.93498861
## LGRE_align.L.PET	0.5027250703	0.59130372
## HGRE_align.L.PET	0.5796501346	0.50506777
## LGSRE_align.L.PET	0.5086895883	0.59385577
## HGSRE_align.L.PET	0.5822521351	0.50368759
## LGHRE_align.L.PET	0.4760106542	0.57782017
## HGLRE_align.L.PET	0.5670363964	0.50906811
## GLNU_norm_align.L.PET	0.5845237002	0.61262476
## RLNU_norm_align.L.PET	0.6721422743	0.93021044
## GLVAR_align.L.PET	0.6415742690	0.54407593
## RLVAR_align.L.PET	0.4358902383	0.60033634
## Entropy_align.L.PET	0.6186994950	0.91909111
## SZSE.L.PET	0.6539380047	0.91753771
## LZSE.L.PET	0.4052044993	0.65191470
## LGLZE.L.PET	0.5106909321	0.60373158
## HGLZE.L.PET	0.5838718718	0.51458730
## SZLGE.L.PET	0.5249438507	0.61014918
## SZHGE.L.PET	0.5809148088	0.51509048

## LZLGE.L.PET	0.3695161123	0.49492476
## LZHGE.L.PET	0.4640498310	0.40365733
## GLNU_area.L.PET	-0.0469711547	0.38198625
## ZSNU.L.PET	-0.0723905429	0.34931781
## ZSP.L.PET	0.6666982736	0.91917870
## GLNU_norm.L.PET	0.5831154395	0.61288115
## ZSNU_norm.L.PET	0.6791595712	0.91165280
## GLVAR_area.L.PET	0.6462926369	0.55576059
## ZSVAR.L.PET	0.1985703172	0.44269323
## Entropy_area.L.PET	0.6071246695	0.92443876
## Max_cooc.H.PET	0.4069189647	0.23679857
## Average_cooc.H.PET	0.6842390929	0.90435594
## Variance_cooc.H.PET	0.4856480663	0.82189722
## Entropy_cooc.H.PET	0.5346119087	0.78465645
## DAVE_cooc.H.PET	0.5763389793	0.83514064
## DVAR_cooc.H.PET	0.5774727164	0.80985085
## DENT_cooc.H.PET	0.3402103718	0.73713798
## SAVE_cooc.H.PET	0.6599407325	0.92083700
## SVAR_cooc.H.PET	0.4173144453	0.82234257
## SENT_cooc.H.PET	0.4478177239	0.60714034
## ASM_cooc.H.PET	0.4152636194	0.21363982
## Contrast_cooc.H.PET	0.5355387810	0.74199626
## Dissimilarity_cooc.H.PET	0.5763389793	0.83514064
## Inv_diff_cooc.H.PET	0.5531090317	0.60247057
## Inv_diff_norm_cooc.H.PET	0.6571583699	0.93286329
## IDM_cooc.H.PET	0.5041334774	0.50040563
## IDM_norm_cooc.H.PET	0.6547375500	0.93722453
## Inv_var_cooc_.H.PET	0.4708634241	0.51656625
## Correlation_cooc.H.PET	0.3093457322	0.63206362
## Autocorrelation_cooc.H.PET	0.6795579455	0.83927335
## Tendency_cooc.H.PET	0.4152325475	0.79156588
## Shade_cooc.H.PET	-0.2248324666	-0.37562146
## Prominence_cooc.H.PET	0.2222367514	0.59339360
## IC1_d.H.PET	0.0242226430	-0.12016830
## IC2_d.H.PET	0.4463273781	0.73941489
## Coarseness_vdif.H.PET	0.4883773590	0.33680615
## Contrast_vdif.H.PET	0.4590445126	0.22760175
## Busyness_vdif.H.PET	-0.0620033554	0.34907143
## Complexity_vdif.H.PET	0.5761802929	0.55288489
## Strength_vdif.H.PET	0.2010030071	-0.01655186
## SRE_align.H.PET	0.6211964290	0.92060139
## LRE_align.H.PET	0.4779414971	0.57740588
## RLNU_align.H.PET	-0.0697154605	0.33401391
## RP_align.H.PET	0.6158930894	0.90861800
## LGRE_align.H.PET	0.4662513428	0.36704017
## HGRE_align.H.PET	0.6803544952	0.85471994
## LGSRE_align.H.PET	0.4655670695	0.36448538
## HGSRE_align.H.PET	0.6880944039	0.91051692
## LGHRE_align.H.PET	0.4699556412	0.38048859
## HGLRE_align.H.PET	0.3662494107	0.37211756
## GLNU_norm_align.H.PET	0.5383300253	0.43556707
## RLNU_norm_align.H.PET	0.5724652752	0.86313698
## GLVAR_align.H.PET	0.4431689081	0.79199162
## RLVAR_align.H.PET	0.2245530310	0.23724383

## Entropy_align.H.PET	0.4690050809	0.86727038
## SZSE.H.PET	0.4758561546	0.82903831
## LZSE.H.PET	-0.0614550962	-0.08016196
## LGLZE.H.PET	0.4655356441	0.36813748
## HGLZE.H.PET	0.5478008336	0.81951347
## SZLGE.H.PET	0.4634974889	0.36212014
## SZHGE.H.PET	0.5029651681	0.81128528
## LZLGE.H.PET	-0.0053694137	-0.03026605
## LZHGE.H.PET	-0.0155115237	-0.08207542
## GLNU_area.H.PET	-0.0497253969	0.41095421
## ZSNU.H.PET	-0.0738258584	0.28688447
## ZSP.H.PET	0.3504826590	0.65424265
## GLNU_norm.H.PET	0.5574387616	0.43800690
## ZSNU_norm.H.PET	0.3747274715	0.70015384
## GLVAR_area.H.PET	0.4125000070	0.77763813
## ZSVAR_H.PET	-0.0482042592	-0.08066913
## Entropy_area.H.PET	0.5216108477	0.91311984
## Max_cooc.W.PET	0.4591657838	0.26060462
## Average_cooc.W.PET	0.1999700978	0.50587112
## Variance_cooc.W.PET	0.0608956995	0.25284341
## Entropy_cooc.W.PET	0.4487291607	0.82892463
## DAVE_cooc.W.PET	0.2721207305	0.52835738
## DVAR_cooc.W.PET	0.1112523209	0.28022531
## DENT_cooc.W.PET	0.4658570695	0.81092109
## SAVE_cooc.W.PET	0.1990731095	0.50529747
## SVAR_cooc.W.PET	0.0336184473	0.23174567
## SENT_cooc.W.PET	0.5197961272	0.85601305
## ASM_cooc.W.PET	0.4902057914	0.28576410
## Contrast_cooc.W.PET	0.1263002910	0.28508233
## Dissimilarity_cooc.W.PET	0.2721207305	0.52835738
## Inv_diff_cooc.W.PET	0.6005080100	0.68415614
## Inv_diff_norm_cooc.W.PET	0.6289351399	0.94227462
## IDM_cooc.W.PET	0.5360210396	0.55175593
## IDM_norm_cooc.W.PET	0.6398057887	0.94213736
## Inv_var_cooc.W.PET	0.5729204424	0.62586476
## Correlation_cooc.W.PET	0.3167948157	0.62798530
## Autocorrelation_cooc.W.PET	0.0294160127	0.24817448
## Tendency_cooc.W.PET	0.0336184473	0.23174567
## Shade_cooc.W.PET	-0.0138874021	0.05000656
## Prominence_cooc.W.PET	-0.0343162041	0.01590141
## IC1_d.W.PET	-0.0064109755	-0.13387282
## IC2_d.W.PET	0.5479635239	0.78576244
## Coarseness_vdif.W.PET	0.6355424379	0.33620985
## Contrast_vdif.W.PET	0.3740970248	0.42510288
## Busyness_vdif.W.PET	0.1299132187	0.26911967
## Complexity_vdif.W.PET	0.0109912462	0.16908013
## Strength_vdif.W.PET	0.2279284996	0.22964738
## SRE_align.W.PET	0.6436272615	0.93638519
## LRE_align.W.PET	0.6023794148	0.79681647
## GLNU_align.W.PET	-0.0393992592	0.40600869
## RLNU_align.W.PET	-0.0698463013	0.33981681
## RP_align.W.PET	0.6401999446	0.93267731
## LGRE_align.W.PET	0.5069801878	0.42457364
## HGRE_align.W.PET	0.0296036459	0.25200752

## LGSRE_align.W.PET	0.5323317261	0.45915816
## HGSRE_align.W.PET	0.0296016098	0.24789201
## LGHRE_align.W.PET	0.3752271767	0.26918757
## HGLRE_align.W.PET	0.0289953968	0.26780936
## GLNU_norm_align.W.PET	0.5563993253	0.42985032
## RLNU_norm_align.W.PET	0.6193516748	0.91679752
## GLVAR_align.W.PET	0.0462951059	0.25229017
## RLVAR_align.W.PET	0.3142115298	0.29495289
## Entropy_align.W.PET	0.4778357505	0.86935799
## SZSE.W.PET	0.5845035535	0.90199739
## LZSE.W.PET	0.1656704258	0.06599234
## LGLZE.W.PET	0.5075098762	0.44689519
## HGLZE.W.PET	0.0349041498	0.25645510
## SZLGE.W.PET	0.5402803824	0.52644605
## SZHGE.W.PET	0.0354718020	0.24533692
## LZLGE.W.PET	0.0744057767	-0.04410083
## LZHGE.W.PET	0.0498459201	0.25913199
## GLNU_area.W.PET	-0.0424460439	0.42071894
## ZSNU.W.PET	-0.0707665340	0.31946553
## ZSP.W.PET	0.5141385076	0.84144641
## GLNU_norm.W.PET	0.5721001683	0.44540987
## ZSNU_norm.W.PET	0.5147179988	0.83232904
## GLVAR_area.W.PET	0.0489150069	0.25672222
## ZSVAR.W.PET	0.0896583976	-0.01201236
## Entropy_area.W.PET	0.5151596628	0.90205400
## Min_hist.ADC	0.6111377974	0.20630191
## Max_hist.ADC	0.3814598669	0.87077121
## Mean_hist.ADC	0.6416985135	0.80303829
## Variance_hist.ADC	0.0817425594	0.49778894
## Standard_Deviation_hist.ADC	0.3133777593	0.74654458
## Skewness_hist.ADC	0.1217908487	0.21989267
## Kurtosis_hist.ADC	0.0599380600	0.24574512
## Energy_hist.ADC	0.5424197796	0.34967525
## Entropy_hist.ADC	0.4142382851	0.92192001
## AUC_hist.ADC	0.5990112667	0.93666386
## Volume.ADC	-0.0519443097	0.49436927
## X3D_surface.ADC	-0.2101681392	0.56097013
## ratio_3ds_vol.ADC	1.0000000000	0.56579031
## ratio_3ds_vol_norm.ADC	0.5657903134	1.00000000
## irregularity.ADC	0.8089840239	0.88059246
## Compactness_v1.ADC	0.6151628012	0.54329420
##	irregularity.ADC	Compactness_v1.ADC
## Failure	0.082113289	0.0671061142
## Entropy_cooc.W.ADC	-0.063044124	-0.0375497609
## GLNU_align.H.PET	-0.103656135	0.0200176349
## Min_hist.PET	0.489784558	0.2617661177
## Max_hist.PET	0.491974339	0.2670005124
## Mean_hist.PET	0.491089370	0.2590771018
## Variance_hist.PET	0.244018158	0.1162359498
## Standard_Deviation_hist.PET	0.499289142	0.2909719288
## Skewness_hist.PET	0.480476663	0.3872715179
## Kurtosis_hist.PET	0.088230083	0.1303695358
## Energy_hist.PET	0.470383895	0.9265473714
## Entropy_hist.PET	0.796296906	0.4867140367

## AUC_hist.PET	0.953975127	0.7208280637
## H_suv.PET	0.542058719	0.3855563818
## Volume.PET	0.250602322	-0.0886808935
## X3D_surface.PET	0.144979492	0.1293841952
## ratio_3ds_vol.PET	0.593478622	0.7136789866
## ratio_3ds_vol_norm.PET	0.541765678	0.7096782613
## irregularity.PET	0.945275233	0.6934203813
## tumor_length.PET	0.514987347	0.4444149816
## Compactness_v1.PET	0.552300711	0.9016830763
## Compactness_v2.PET	0.206119861	-0.1334639891
## Spherical_disproportion.PET	0.541765678	0.7096782613
## Sphericity.PET	0.207629055	-0.2595621254
## Asphericity.PET	0.520383575	0.7011014937
## Center_of_mass.PET	0.315297017	0.2302468935
## Max_3D_diam.PET	0.394639811	-0.0118475811
## Major_axis_length.PET	0.442726332	0.1174244754
## Minor_axis_length.PET	0.559160051	0.2988935122
## Least_axis_length.PET	0.462851852	0.1710551822
## Elongation.PET	0.805512124	0.6848382421
## Flatness.PET	0.738347964	0.5874850287
## Max_cooc.L.PET	0.479927067	0.9397680370
## Average_cooc.L.PET	0.831556038	0.5890898119
## Variance_cooc.L.PET	0.696547782	0.5121920388
## Entropy_cooc.L.PET	0.939254317	0.6314789392
## DAVE_cooc.L.PET	0.796312982	0.5696769042
## DVAR_cooc.L.PET	0.708578347	0.5668854917
## DENT_cooc.L.PET	0.954046123	0.6641497411
## SAVE_cooc.L.PET	0.831363240	0.5881880948
## SVAR_cooc.L.PET	0.690612304	0.5044884875
## SENT_cooc.L.PET	0.950946759	0.7273994503
## ASM_cooc.L.PET	0.449807040	0.9339686252
## Contrast_cooc.L.PET	0.612136982	0.4552353836
## Dissimilarity_cooc.L.PET	0.796312982	0.5696769042
## Inv_diff_cooc.L.PET	0.779256400	0.6853217751
## Inv_diff_norm_cooc.L.PET	0.945333877	0.6871597874
## IDM_cooc.L.PET	0.690474202	0.6931020609
## IDM_norm_cooc.L.PET	0.953217473	0.6894011212
## Inv_var_cooc.L.PET	0.691560704	0.6911737507
## Correlation_cooc.L.PET	0.580782787	0.4573566444
## Autocorrelation_cooc.L.PET	0.649138201	0.4850883814
## Tendency_cooc.L.PET	0.690612304	0.5044884875
## Shade_cooc.L.PET	0.308297097	0.2050330182
## Prominence_cooc.L.PET	0.503367417	0.3928776500
## IC1_.L.PET	-0.432849074	-0.1109317051
## IC2_.L.PET	0.910794839	0.7342223935
## Coarseness_vdif_.L.PET	0.523046749	0.8988354775
## Contrast_vdif_.L.PET	0.304332827	0.2626030186
## Busyness_vdif_.L.PET	0.232149014	0.0009284763
## Complexity_vdif_.L.PET	0.749533191	0.5996920470
## Strength_vdif_.L.PET	0.351450507	0.3545032191
## SRE_align.L.PET	0.963253897	0.6991603676
## LRE_align.L.PET	0.944976460	0.6767636766
## GLNU_align.L.PET	0.179463334	0.0044714614
## RLNU_align.L.PET	0.159003468	-0.0407012701

## RP_align.L.PET	0.963806862	0.6997914306
## LGRE_align.L.PET	0.593100980	0.7146542055
## HGRE_align.L.PET	0.671899669	0.4984949416
## LGSRE_align.L.PET	0.598934311	0.7252985009
## HGSRE_align.L.PET	0.671358699	0.4988751738
## LGHRE_align.L.PET	0.566661060	0.6700922855
## HGLRE_align.L.PET	0.671992630	0.4952588391
## GLNU_norm_align.L.PET	0.661182544	0.9240839442
## RLNU_norm_align.L.PET	0.965026124	0.7021968879
## GLVAR_align.L.PET	0.718927817	0.5294710770
## RLVAR_align.L.PET	0.598050636	0.8422716976
## Entropy_align.L.PET	0.947249910	0.6445355627
## SZSE.L.PET	0.944493189	0.6942235464
## LZSE.L.PET	0.646210195	0.4491546271
## LGLZE.L.PET	0.605010822	0.7274199178
## HGLZE.L.PET	0.680082072	0.5032981504
## SZLGE.L.PET	0.618143704	0.7554394689
## SZHGE.L.PET	0.674602720	0.5041069154
## LZLGE.L.PET	0.459778530	0.5256732037
## LZHGE.L.PET	0.555171330	0.3960134150
## GLNU_area.L.PET	0.181084357	-0.0015500108
## ZSNU.L.PET	0.160909187	-0.0488051253
## ZSP.L.PET	0.953150445	0.6971892875
## GLNU_norm.L.PET	0.661270446	0.9271115106
## ZSNU_norm.L.PET	0.958176469	0.7036359829
## GLVAR_area.L.PET	0.729047947	0.5381888161
## ZSVAR.L.PET	0.392464150	0.3964874256
## Entropy_area.L.PET	0.943604632	0.6402513636
## Max_cooc.H.PET	0.325834608	0.4399594019
## Average_cooc.H.PET	0.945281503	0.6721450751
## Variance_cooc.H.PET	0.821169501	0.5351740378
## Entropy_cooc.H.PET	0.811964950	0.5014257374
## DAVE_cooc.H.PET	0.864831671	0.5724455030
## DVAR_cooc.H.PET	0.847759556	0.5740405907
## DENT_cooc.H.PET	0.699182276	0.4216927632
## SAVE_cooc.H.PET	0.944951818	0.6550354334
## SVAR_cooc.H.PET	0.776014960	0.5294351862
## SENT_cooc.H.PET	0.660881555	0.7063447215
## ASM_cooc.H.PET	0.323579588	0.5087241042
## Contrast_cooc.H.PET	0.787500445	0.5189586309
## Dissimilarity_cooc.H.PET	0.864831671	0.5724455030
## Inv_diff_cooc.H.PET	0.657311904	0.6016244574
## Inv_diff_norm_cooc.H.PET	0.954940734	0.7029975849
## IDM_cooc.H.PET	0.560668781	0.5468648142
## IDM_norm_cooc.H.PET	0.957807899	0.6974885165
## Inv_var_cooc_.H.PET	0.573049948	0.8921723705
## Correlation_cooc.H.PET	0.587334061	0.4615732700
## Autocorrelation_cooc.H.PET	0.894763660	0.6557198886
## Tendency_cooc.H.PET	0.765913941	0.4959699001
## Shade_cooc.H.PET	-0.414028583	-0.2814866176
## Prominence_cooc.H.PET	0.549945767	0.3320290290
## IC1_d.H.PET	-0.075935235	0.2507015448
## IC2_d.H.PET	0.718916312	0.5417764989
## Coarseness_vdif.H.PET	0.451368901	0.9320472282

## Contrast_vdif.H.PET	0.354990380	0.3261625879
## Busyness_vdif.H.PET	0.085994238	-0.3531007132
## Complexity_vdif.H.PET	0.674936357	0.7651529502
## Strength_vdif.H.PET	0.072607968	0.1139584318
## SRE_align.H.PET	0.935978797	0.6671634597
## LRE_align.H.PET	0.618526918	0.4754209234
## RLNU_align.H.PET	0.161920491	-0.0274479993
## RP_align.H.PET	0.926793496	0.6594268556
## LGRE_align.H.PET	0.466277241	0.9361896212
## HGRE_align.H.PET	0.899277546	0.6486117402
## LGSRE_align.H.PET	0.464180498	0.9355994794
## HGSRE_align.H.PET	0.940352771	0.6562257514
## LGHRE_align.H.PET	0.477240462	0.9396523562
## HGLRE_align.H.PET	0.431803517	0.3594524799
## GLNU_norm_align.H.PET	0.527827321	0.5431979493
## RLNU_norm_align.H.PET	0.879240559	0.6199544676
## GLVAR_align.H.PET	0.784682818	0.5053330588
## RLVAR_align.H.PET	0.266024540	0.2750927084
## Entropy_align.H.PET	0.842956386	0.5442460738
## SZSE.H.PET	0.806437378	0.5700387726
## LZSE.H.PET	-0.061356913	-0.0568687296
## LGLZE.H.PET	0.466934724	0.9347842955
## HGLZE.H.PET	0.817682507	0.5751711340
## SZLGE.H.PET	0.461182628	0.9330958852
## SZHGE.H.PET	0.783563469	0.5200525611
## LZLGE.H.PET	-0.003872697	0.0715915180
## LZHGE.H.PET	-0.041373277	-0.0165318367
## GLNU_area.H.PET	0.192043422	-0.0438110685
## ZSNU.H.PET	0.140980897	-0.0349421821
## ZSP.H.PET	0.636735221	0.4223448226
## GLNU_norm.H.PET	0.546970010	0.5578356933
## ZSNU_norm.H.PET	0.678842941	0.4765636210
## GLVAR_area.H.PET	0.761352439	0.4858715481
## ZSVAR.H.PET	-0.056722763	-0.0366645149
## Entropy_area.H.PET	0.890835915	0.5904719740
## Max_cooc.W.PET	0.373506240	0.6280441356
## Average_cooc.W.PET	0.493457840	0.2697763413
## Variance_cooc.W.PET	0.245658464	0.1221718014
## Entropy_cooc.W.PET	0.808038993	0.5060400095
## DAVE_cooc.W.PET	0.532370278	0.3037674007
## DVAR_cooc.W.PET	0.291827094	0.1345651593
## DENT_cooc.W.PET	0.800447767	0.5121340196
## SAVE_cooc.W.PET	0.492670721	0.2679254728
## SVAR_cooc.W.PET	0.214597161	0.1111654147
## SENT_cooc.W.PET	0.848305554	0.6170838830
## ASM_cooc.W.PET	0.410953658	0.7771571949
## Contrast_cooc.W.PET	0.304497615	0.1389058746
## Dissimilarity_cooc.W.PET	0.532370278	0.3037674007
## Inv_diff_cooc.W.PET	0.736557351	0.6399636010
## Inv_diff_norm_cooc.W.PET	0.946526870	0.6891592160
## IDM_cooc.W.PET	0.611586653	0.5719064142
## IDM_norm_cooc.W.PET	0.953781818	0.6902345019
## Inv_var_cooc.W.PET	0.676129369	0.6180926426
## Correlation_cooc.W.PET	0.578726004	0.4551130051

## Autocorrelation_cooc.W.PET	0.239853680	0.0935132143
## Tendency_cooc.W.PET	0.214597161	0.1111654147
## Shade_cooc.W.PET	0.044139128	0.0439294376
## Prominence_cooc.W.PET	0.019499223	0.0138078326
## IC1_d.W.PET	-0.102878533	0.2926973262
## IC2_d.W.PET	0.804144316	0.6157581233
## Coarseness_vdif.W.PET	0.508439933	0.8326744488
## Contrast_vdif.W.PET	0.504054920	0.3924326721
## Busyness_vdif.W.PET	0.209856442	0.0068111081
## Complexity_vdif.W.PET	0.161287323	0.0763544871
## Strength_vdif.W.PET	0.246048656	0.2310421736
## SRE_align.W.PET	0.955045281	0.6860245133
## LRE_align.W.PET	0.835228269	0.6254632746
## GLNU_align.W.PET	0.182209638	-0.0421014468
## RLNU_align.W.PET	0.160960216	-0.0304962767
## RP_align.W.PET	0.951467180	0.6820378769
## LGRE_align.W.PET	0.500984650	0.5187346564
## HGRE_align.W.PET	0.243276229	0.0886018493
## LGSRE_align.W.PET	0.536042478	0.5540852638
## HGSRE_align.W.PET	0.240078587	0.0859934180
## LGHRE_align.W.PET	0.340650791	0.3597107190
## HGLRE_align.W.PET	0.255737659	0.0991091796
## GLNU_norm_align.W.PET	0.531644632	0.6220151951
## RLNU_norm_align.W.PET	0.933138508	0.6639849490
## GLVAR_align.W.PET	0.243763820	0.1143426085
## RLVAR_align.W.PET	0.349273328	0.4140750973
## Entropy_align.W.PET	0.848684494	0.5456282241
## SZSE.W.PET	0.901673877	0.6468243167
## LZSE.W.PET	0.137625549	0.1484020364
## LGLZE.W.PET	0.523255476	0.5463176833
## HGLZE.W.PET	0.247264724	0.0902554763
## SZLGE.W.PET	0.590093511	0.6310159743
## SZHGE.W.PET	0.238095042	0.0832313737
## LZLGE.W.PET	0.013660867	0.0363732990
## LZHGE.W.PET	0.272208527	0.1549640156
## GLNU_area.W.PET	0.192401655	-0.0422020070
## ZSNU.W.PET	0.153704449	-0.0312596162
## ZSP.W.PET	0.831689884	0.5763266149
## GLNU_norm.W.PET	0.551926774	0.6442542507
## ZSNU_norm.W.PET	0.826965218	0.5808049832
## GLVAR_area.W.PET	0.247859625	0.1190460252
## ZSVAR.W.PET	0.048494626	0.0870315911
## Entropy_area.W.PET	0.885592211	0.5799109494
## Min_hist.ADC	0.443197680	0.3213783253
## Max_hist.ADC	0.784494775	0.5540026345
## Mean_hist.ADC	0.841148258	0.5769737779
## Variance_hist.ADC	0.358818666	0.3184022988
## Standard_Deviation_hist.ADC	0.643514697	0.4854901507
## Skewness_hist.ADC	0.266463799	0.1846672020
## Kurtosis_hist.ADC	0.228783826	0.1778419886
## Energy_hist.ADC	0.487599559	0.9428328125
## Entropy_hist.ADC	0.842480054	0.6017858910
## AUC_hist.ADC	0.935503749	0.6860774104
## Volume.ADC	0.235651691	-0.0974543687

## X3D_surface.ADC	0.255981483	0.1451803673
## ratio_3ds_vol.ADC	0.808984024	0.6151628012
## ratio_3ds_vol_norm.ADC	0.880592464	0.5432941979
## irregularity.ADC	1.000000000	0.6976800156
## Compactness_v1.ADC	0.697680016	1.0000000000
##	Compactness_v2.ADC	Spherical_disproportion.ADC
## Failure	0.1293286251	-0.05065018
## Entropy_cooc.W.ADC	-0.1176510859	0.07014422
## GLNU_align.H.PET	-0.0519909312	-0.03482347
## Min_hist.PET	0.3487952131	0.50778399
## Max_hist.PET	0.3176091014	0.54810318
## Mean_hist.PET	0.3482700986	0.51003144
## Variance_hist.PET	0.1555412272	0.25209590
## Standard_Deviation_hist.PET	0.3523665930	0.52167878
## Skewness_hist.PET	0.3185351242	0.55151237
## Kurtosis_hist.PET	-0.0115640450	0.20580615
## Energy_hist.PET	0.4997095168	0.34605196
## Entropy_hist.PET	0.5417762555	0.89160978
## AUC_hist.PET	0.7593415425	0.94084677
## H_suv.PET	0.4196349100	0.53011431
## Volume.PET	-0.0714575072	0.50708349
## X3D_surface.PET	0.0533875925	0.26732348
## ratio_3ds_vol.PET	0.5779284354	0.45679079
## ratio_3ds_vol_norm.PET	0.5531808034	0.48336839
## irregularity.PET	0.7672130559	0.89424048
## tumor_length.PET	0.4111766188	0.58017540
## Compactness_v1.PET	0.5265002494	0.48220993
## Compactness_v2.PET	0.0938786297	0.26689866
## Spherical_disproportion.PET	0.5531808034	0.48336839
## Sphericity.PET	0.0320702206	0.30696781
## Asphericity.PET	0.5384257426	0.46149478
## Center_of_mass.PET	0.1848345653	0.40367977
## Max_3D_diam.PET	0.1408258547	0.55539477
## Major_axis_length.PET	0.2178016154	0.56989955
## Minor_axis_length.PET	0.3486736365	0.71134290
## Least_axis_length.PET	0.2683882745	0.62366504
## Elongation.PET	0.7103750796	0.78171031
## Flatness.PET	0.6770945289	0.72443539
## Max_cooc.L.PET	0.5013546448	0.37802287
## Average_cooc.L.PET	0.7509258045	0.69913107
## Variance_cooc.L.PET	0.6732412743	0.52358187
## Entropy_cooc.L.PET	0.7633651835	0.91686296
## DAVE_cooc.L.PET	0.7002475459	0.65505523
## DVAR_cooc.L.PET	0.6323281709	0.56761555
## DENT_cooc.L.PET	0.7845169296	0.89276375
## SAVE_cooc.L.PET	0.7506509330	0.69900987
## SVAR_cooc.L.PET	0.6885106515	0.52796829
## SENT_cooc.L.PET	0.7888311249	0.89772115
## ASM_cooc.L.PET	0.4814677914	0.35024506
## Contrast_cooc.L.PET	0.5582764867	0.44607796
## Dissimilarity_cooc.L.PET	0.7002475459	0.65505523
## Inv_diff_cooc.L.PET	0.5891853638	0.83553961
## Inv_diff_norm_cooc.L.PET	0.7470787529	0.94285475
## IDM_cooc.L.PET	0.5193113686	0.75279777

## IDM_norm_cooc.L.PET	0.7583370388	0.94220620
## Inv_var_cooc.L.PET	0.5165164370	0.76034905
## Correlation_cooc.L.PET	0.4910039612	0.62753555
## Autocorrelation_cooc.L.PET	0.6487794367	0.47788881
## Tendency_cooc.L.PET	0.6885106515	0.52796829
## Shade_cooc.L.PET	0.2858372831	0.28877609
## Prominence_cooc.L.PET	0.5657735384	0.33579224
## IC1_.L.PET	-0.3743320754	-0.27893327
## IC2_.L.PET	0.7951591933	0.78929771
## Coarseness_vdif_.L.PET	0.5493128857	0.36418921
## Contrast_vdif_.L.PET	0.2617087962	0.18264234
## Busyness_vdif_.L.PET	-0.0388245732	0.46937629
## Complexity_vdif_.L.PET	0.6555177435	0.61926911
## Strength_vdif_.L.PET	0.3356777385	0.22147657
## SRE_align.L.PET	0.7743707624	0.93620408
## LRE_align.L.PET	0.7476249552	0.93939826
## GLNU_align.L.PET	-0.0306343207	0.37704790
## RLNU_align.L.PET	-0.0335368979	0.34532413
## RP_align.L.PET	0.7762741268	0.93498861
## LGRE_align.L.PET	0.4879739844	0.59130372
## HGRE_align.L.PET	0.6513603216	0.50506777
## LGSRE_align.L.PET	0.4957575067	0.59385577
## HGSRE_align.L.PET	0.6499865316	0.50368759
## LGHRE_align.L.PET	0.4547408091	0.57782017
## HGLRE_align.L.PET	0.6551002108	0.50906811
## GLNU_norm_align.L.PET	0.5826527552	0.61262476
## RLNU_norm_align.L.PET	0.7819508977	0.93021044
## GLVAR_align.L.PET	0.7036216877	0.54407593
## RLVAR_align.L.PET	0.5110536433	0.60033634
## Entropy_align.L.PET	0.7705744357	0.91909111
## SZSE.L.PET	0.7532607250	0.91753771
## LZSE.L.PET	0.5287167245	0.65191470
## LGLZE.L.PET	0.4935155727	0.60373158
## HGLZE.L.PET	0.6568392200	0.51458730
## SZLGE.L.PET	0.5050394945	0.61014918
## SZHGE.L.PET	0.6421949877	0.51509048
## LZLGE.L.PET	0.3596958256	0.49492476
## LZHGE.L.PET	0.5746496465	0.40365733
## GLNU_area.L.PET	-0.0347462042	0.38198625
## ZSNU.L.PET	-0.0369065531	0.34931781
## ZSP.L.PET	0.7669759889	0.91917870
## GLNU_norm.L.PET	0.5834155268	0.61288115
## ZSNU_norm.L.PET	0.7865563885	0.91165280
## GLVAR_area.L.PET	0.7072489556	0.55576059
## ZSVAR.L.PET	0.3048058652	0.44269323
## Entropy_area.L.PET	0.7615186522	0.92443876
## Max_cooc.H.PET	0.3687452945	0.23679857
## Average_cooc.H.PET	0.7745517850	0.90435594
## Variance_cooc.H.PET	0.6174471516	0.82189722
## Entropy_cooc.H.PET	0.6461198819	0.78465645
## DAVE_cooc.H.PET	0.6546429913	0.83514064
## DVAR_cooc.H.PET	0.6430921444	0.80985085
## DENT_cooc.H.PET	0.5561956196	0.73713798
## SAVE_cooc.H.PET	0.7575980397	0.92083700

## SVAR_cooc.H.PET	0.5800530694	0.82234257
## SENT_cooc.H.PET	0.5829606881	0.60714034
## ASM_cooc.H.PET	0.3794217428	0.21363982
## Contrast_cooc.H.PET	0.5904466705	0.74199626
## Dissimilarity_cooc.H.PET	0.6546429913	0.83514064
## Inv_diff_cooc.H.PET	0.6012948646	0.60247057
## Inv_diff_norm_cooc.H.PET	0.7730286451	0.93286329
## IDM_cooc.H.PET	0.5322251203	0.50040563
## IDM_norm_cooc.H.PET	0.7708800655	0.93722453
## Inv_var_cooc_.H.PET	0.5310344549	0.51656625
## Correlation_cooc.H.PET	0.4954667016	0.63206362
## Autocorrelation_cooc.H.PET	0.7558755381	0.83927335
## Tendency_cooc.H.PET	0.5767870247	0.79156588
## Shade_cooc.H.PET	-0.3238896475	-0.37562146
## Prominence_cooc.H.PET	0.3970600222	0.59339360
## IC1_d.H.PET	-0.0530635822	-0.12016830
## IC2_d.H.PET	0.5864348204	0.73941489
## Coarseness_vdif.H.PET	0.4901919145	0.33680615
## Contrast_vdif.H.PET	0.3270426442	0.22760175
## Busyness_vdif.H.PET	-0.2507571701	0.34907143
## Complexity_vdif.H.PET	0.6145719601	0.55288489
## Strength_vdif.H.PET	0.1145608442	-0.01655186
## SRE_align.H.PET	0.7311589940	0.92060139
## LRE_align.H.PET	0.5552850531	0.57740588
## RLNU_align.H.PET	-0.0183730221	0.33401391
## RP_align.H.PET	0.7219158397	0.90861800
## LGRE_align.H.PET	0.4909372501	0.36704017
## HGRE_align.H.PET	0.7409937838	0.85471994
## LGSRE_align.H.PET	0.4896070191	0.36448538
## HGSRE_align.H.PET	0.7410051939	0.91051692
## LGHRE_align.H.PET	0.4989402104	0.38048859
## HGLRE_align.H.PET	0.4368953719	0.37211756
## GLNU_norm_align.H.PET	0.5153781730	0.43556707
## RLNU_norm_align.H.PET	0.6753984840	0.86313698
## GLVAR_align.H.PET	0.5863360565	0.79199162
## RLVAR_align.H.PET	0.2988580348	0.23724383
## Entropy_align.H.PET	0.6424788819	0.86727038
## SZSE.H.PET	0.5993114736	0.82903831
## LZSE.H.PET	0.0002372882	-0.08016196
## LGLZE.H.PET	0.4900096103	0.36813748
## HGLZE.H.PET	0.6666170853	0.81951347
## SZLGE.H.PET	0.4852747454	0.36212014
## SZHGE.H.PET	0.5666232076	0.81128528
## LZLGE.H.PET	0.0703361024	-0.03026605
## LZHGE.H.PET	0.0336722857	-0.08207542
## GLNU_area.H.PET	-0.0498271752	0.41095421
## ZSNU.H.PET	-0.0124933280	0.28688447
## ZSP.H.PET	0.4552670699	0.65424265
## GLNU_norm.H.PET	0.5497298950	0.43800690
## ZSNU_norm.H.PET	0.5040770403	0.70015384
## GLVAR_area.H.PET	0.5552420351	0.77763813
## ZSVAR_H.PET	0.0103389327	-0.08066913
## Entropy_area.H.PET	0.6782482252	0.91311984
## Max_cooc.W.PET	0.4235456958	0.26060462

## Average_cooc.W.PET	0.3548334126	0.50587112
## Variance_cooc.W.PET	0.1532218497	0.25284341
## Entropy_cooc.W.PET	0.6025123094	0.82892463
## DAVE_cooc.W.PET	0.3786981748	0.52835738
## DVAR_cooc.W.PET	0.1862014816	0.28022531
## DENT_cooc.W.PET	0.5950175100	0.81092109
## SAVE_cooc.W.PET	0.3539347246	0.50529747
## SVAR_cooc.W.PET	0.1295309982	0.23174567
## SENT_cooc.W.PET	0.6505751544	0.85601305
## ASM_cooc.W.PET	0.4679792533	0.28576410
## Contrast_cooc.W.PET	0.2009684059	0.28508233
## Dissimilarity_cooc.W.PET	0.3786981748	0.52835738
## Inv_diff_cooc.W.PET	0.6497207886	0.68415614
## Inv_diff_norm_cooc.W.PET	0.7491330787	0.94227462
## IDM_cooc.W.PET	0.5634223434	0.55175593
## IDM_norm_cooc.W.PET	0.7587593501	0.94213736
## Inv_var_cooc.W.PET	0.6014765359	0.62586476
## Correlation_cooc.W.PET	0.4878630683	0.62798530
## Autocorrelation_cooc.W.PET	0.1562184160	0.24817448
## Tendency_cooc.W.PET	0.1295309982	0.23174567
## Shade_cooc.W.PET	0.0006405914	0.05000656
## Prominence_cooc.W.PET	-0.0172217886	0.01590141
## IC1_d.W.PET	-0.0591400746	-0.13387282
## IC2_d.W.PET	0.6636822278	0.78576244
## Coarseness_vdif.W.PET	0.5239938508	0.33620985
## Contrast_vdif.W.PET	0.4102270337	0.42510288
## Busyness_vdif.W.PET	0.1598907065	0.26911967
## Complexity_vdif.W.PET	0.0825729618	0.16908013
## Strength_vdif.W.PET	0.1662854519	0.22964738
## SRE_align.W.PET	0.7554887749	0.93638519
## LRE_align.W.PET	0.7151278747	0.79681647
## GLNU_align.W.PET	-0.0526848752	0.40600869
## RLNU_align.W.PET	-0.0254616636	0.33981681
## RP_align.W.PET	0.7507776465	0.93267731
## LGRE_align.W.PET	0.4899006308	0.42457364
## HGRE_align.W.PET	0.1569346009	0.25200752
## LGSRE_align.W.PET	0.5157647180	0.45915816
## HGSRE_align.W.PET	0.1535586303	0.24789201
## LGHRE_align.W.PET	0.3681185112	0.26918757
## HGLRE_align.W.PET	0.1712923503	0.26780936
## GLNU_norm_align.W.PET	0.5290583044	0.42985032
## RLNU_norm_align.W.PET	0.7296178165	0.91679752
## GLVAR_align.W.PET	0.1545090425	0.25229017
## RLVAR_align.W.PET	0.3834006323	0.29495289
## Entropy_align.W.PET	0.6442337866	0.86935799
## SZSE.W.PET	0.6862487915	0.90199739
## LZSE.W.PET	0.2212461890	0.06599234
## LGLZE.W.PET	0.5107808305	0.44689519
## HGLZE.W.PET	0.1567943494	0.25645510
## SZLGE.W.PET	0.5465666264	0.52644605
## SZHGE.W.PET	0.1458326815	0.24533692
## LZLGE.W.PET	0.0993369420	-0.04410083
## LZHGE.W.PET	0.2569277036	0.25913199
## GLNU_area.W.PET	-0.0558163908	0.42071894

## ZSNU.W.PET	-0.0217276184		0.31946553
## ZSP.W.PET	0.6171032042		0.84144641
## GLNU_norm.W.PET	0.5509765922		0.44540987
## ZSNU_norm.W.PET	0.6216038584		0.83232904
## GLVAR_area.W.PET	0.1551856659		0.25672222
## ZSVAR.W.PET	0.1395480741		-0.01201236
## Entropy_area.W.PET	0.6818280452		0.90205400
## Min_hist.ADC	0.4698850395		0.20630191
## Max_hist.ADC	0.5943464147		0.87077121
## Mean_hist.ADC	0.6698334326		0.80303829
## Variance_hist.ADC	0.2028673865		0.49778894
## Standard_Deviation_hist.ADC	0.4385335139		0.74654458
## Skewness_hist.ADC	0.2319940673		0.21989267
## Kurtosis_hist.ADC	0.1984511256		0.24574512
## Energy_hist.ADC	0.5245918311		0.34967525
## Entropy_hist.ADC	0.6567772353		0.92192001
## AUC_hist.ADC	0.7354611743		0.93666386
## Volume.ADC	-0.0813218361		0.49436927
## X3D_surface.ADC	0.0692437984		0.56097013
## ratio_3ds_vol.ADC	0.6304137486		0.56579031
## ratio_3ds_vol_norm.ADC	0.5163724948		1.00000000
## irregularity.ADC	0.7924733785		0.88059246
## Compactness_v1.ADC	0.7493857847		0.54329420
##	Sphericity.ADC	Asphericity.ADC	Center_of_mass.ADC
## Failure	0.054207441	-0.106267471	-0.161026830
## Entropy_cooc.W.ADC	-0.027319343	0.112009270	0.208391489
## GLNU_align.H.PET	-0.046761023	-0.013979093	0.152000585
## Min_hist.PET	0.489316373	0.379313590	0.109291676
## Max_hist.PET	0.483288508	0.444817355	0.211426941
## Mean_hist.PET	0.489029854	0.383156015	0.128051332
## Variance_hist.PET	0.239805631	0.186453737	0.090005672
## Standard_Deviation_hist.PET	0.494686489	0.400090807	0.162187291
## Skewness_hist.PET	0.468108232	0.478763577	0.283953036
## Kurtosis_hist.PET	0.086360486	0.244879518	0.291816575
## Energy_hist.PET	0.495749320	0.213651793	0.020832550
## Entropy_hist.PET	0.769808003	0.753839257	0.490196334
## AUC_hist.PET	0.945958762	0.710172781	0.328993160
## H_suv.PET	0.536509746	0.392750923	0.168793714
## Volume.PET	0.150066821	0.628141736	0.586219597
## X3D_surface.PET	0.159570805	0.278708584	0.328048668
## ratio_3ds_vol.PET	0.615770073	0.253601054	-0.035756657
## ratio_3ds_vol_norm.PET	0.611014871	0.295896115	0.129746542
## irregularity.PET	0.936127304	0.644291215	0.232446388
## tumor_length.PET	0.557071098	0.453127291	0.347509824
## Compactness_v1.PET	0.569832196	0.355194871	0.136833351
## Compactness_v2.PET	0.180789786	0.238308581	0.142017901
## Spherical_disproportion.PET	0.611014871	0.295896115	0.129746542
## Sphericity.PET	0.148154535	0.312907642	0.206759363
## Asphericity.PET	0.591164597	0.278470503	0.121884908
## Center_of_mass.PET	0.307955677	0.374202994	0.396773585
## Max_3D_diam.PET	0.337781463	0.551807301	0.399786771
## Major_axis_length.PET	0.402324254	0.533753017	0.413674209
## Minor_axis_length.PET	0.552967323	0.642068001	0.459846804
## Least_axis_length.PET	0.452404022	0.581991769	0.458133198

## Elongation.PET	0.841746828	0.554119511	0.201072022
## Flatness.PET	0.784114322	0.509216285	0.228553087
## Max_cooc.L.PET	0.511640843	0.249176599	0.069390586
## Average_cooc.L.PET	0.833990623	0.429912452	0.095611698
## Variance_cooc.L.PET	0.696540447	0.273698162	-0.029130068
## Entropy_cooc.L.PET	0.939918626	0.670199396	0.296546359
## DAVE_cooc.L.PET	0.776574282	0.408834800	0.045787050
## DVAR_cooc.L.PET	0.695100952	0.342393198	0.006809134
## DENT_cooc.L.PET	0.943718347	0.635027916	0.235000456
## SAVE_cooc.L.PET	0.833753437	0.429827295	0.095590066
## SVAR_cooc.L.PET	0.708461642	0.270216786	-0.002757786
## SENT_cooc.L.PET	0.948707737	0.644708167	0.245000656
## ASM_cooc.L.PET	0.484734048	0.229318108	0.060047097
## Contrast_cooc.L.PET	0.583759711	0.242342009	-0.067110567
## Dissimilarity_cooc.L.PET	0.776574282	0.408834800	0.045787050
## Inv_diff_cooc.L.PET	0.783729001	0.678348790	0.392013613
## Inv_diff_norm_cooc.L.PET	0.940874013	0.712754854	0.338538944
## IDM_cooc.L.PET	0.697867452	0.625292098	0.379880811
## IDM_norm_cooc.L.PET	0.948238419	0.706311454	0.326835387
## Inv_var_cooc.L.PET	0.699239062	0.635098226	0.386271643
## Correlation_cooc.L.PET	0.620452089	0.479287460	0.297834810
## Autocorrelation_cooc.L.PET	0.662597247	0.230078882	-0.012357052
## Tendency_cooc.L.PET	0.708461642	0.270216786	-0.002757786
## Shade_cooc.L.PET	0.324075616	0.189686281	0.032763365
## Prominence_cooc.L.PET	0.534463145	0.114329543	-0.078888406
## IC1_.L.PET	-0.390225824	-0.111017161	0.108031678
## IC2_.L.PET	0.908325875	0.516419675	0.123783624
## Coarseness_vdif_.L.PET	0.540775585	0.201163975	-0.017069493
## Contrast_vdif_.L.PET	0.257673214	0.093452296	-0.115723226
## Busyness_vdif_.L.PET	0.158693835	0.573563501	0.515312196
## Complexity_vdif_.L.PET	0.732777630	0.392334205	0.039565564
## Strength_vdif_.L.PET	0.334930708	0.095801732	-0.093556885
## SRE_align.L.PET	0.956385872	0.692172984	0.302699908
## LRE_align.L.PET	0.939474971	0.707807662	0.333596870
## GLNU_align.L.PET	0.135528487	0.451843899	0.431311589
## RLNU_align.L.PET	0.118592620	0.414783664	0.416148431
## RP_align.L.PET	0.957127889	0.689886084	0.299946138
## LGRE_align.L.PET	0.602602548	0.465222969	0.233019465
## HGRE_align.L.PET	0.676750994	0.260252495	-0.007492869
## LGSRE_align.L.PET	0.609092797	0.464971882	0.229547508
## HGSRE_align.L.PET	0.675213159	0.259447993	-0.009775711
## LGHRE_align.L.PET	0.573712224	0.463535287	0.245685975
## HGLRE_align.L.PET	0.681031479	0.262525332	0.001594996
## GLNU_norm_align.L.PET	0.674761593	0.462480282	0.208279746
## RLNU_norm_align.L.PET	0.958829578	0.681820935	0.290129445
## GLVAR_align.L.PET	0.727110802	0.281589741	-0.017353032
## RLVAR_align.L.PET	0.620145305	0.479339467	0.268416079
## Entropy_align.L.PET	0.946105058	0.669872701	0.291867810
## SZSE.L.PET	0.933682393	0.682021330	0.297172682
## LZSE.L.PET	0.658276980	0.484300301	0.248927134
## LGLZE.L.PET	0.612353194	0.476926166	0.231071867
## HGLZE.L.PET	0.685285800	0.267832284	-0.004528408
## SZLGE.L.PET	0.623464346	0.480389481	0.220189490
## SZHGE.L.PET	0.675900981	0.275769541	0.001542611

## LZLGE.L.PET	0.470273029	0.408668485	0.273351103
## LZHGE.L.PET	0.576586988	0.180511664	-0.025917357
## GLNU_area.L.PET	0.134242243	0.459789328	0.439248915
## ZSNU.L.PET	0.117446373	0.421025511	0.424390035
## ZSP.L.PET	0.943753097	0.676919978	0.289024655
## GLNU_norm.L.PET	0.675179113	0.462926055	0.208294226
## ZSNU_norm.L.PET	0.953743569	0.658812992	0.273789533
## GLVAR_area.L.PET	0.735841320	0.292397479	-0.016472199
## ZSVAR.L.PET	0.409797361	0.366794368	0.255612205
## Entropy_area.L.PET	0.942287496	0.680215575	0.303559066
## Max_cooc.H.PET	0.350991798	0.119335238	0.068831623
## Average_cooc.H.PET	0.940222154	0.655910616	0.296055679
## Variance_cooc.H.PET	0.802566699	0.627329542	0.252157221
## Entropy_cooc.H.PET	0.800636837	0.572453335	0.222905130
## DAVE_cooc.H.PET	0.831581562	0.628322943	0.225172554
## DVAR_cooc.H.PET	0.811692794	0.607567431	0.227093577
## DENT_cooc.H.PET	0.725630165	0.550127087	0.349314874
## SAVE_cooc.H.PET	0.936512862	0.681030644	0.326846893
## SVAR_cooc.H.PET	0.777874676	0.646275470	0.371695165
## SENT_cooc.H.PET	0.693772262	0.409811690	0.103361360
## ASM_cooc.H.PET	0.346399314	0.096829931	0.056771944
## Contrast_cooc.H.PET	0.745347172	0.554331589	0.175672602
## Dissimilarity_cooc.H.PET	0.831581562	0.628322943	0.225172554
## Inv_diff_cooc.H.PET	0.677194843	0.415468522	0.236103283
## Inv_diff_norm_cooc.H.PET	0.953282241	0.690286676	0.316435424
## IDM_cooc.H.PET	0.582122094	0.335463616	0.202767952
## IDM_norm_cooc.H.PET	0.954179344	0.695277494	0.314641990
## Inv_var_cooc.H.PET	0.604063707	0.371464711	0.127554717
## Correlation_cooc.H.PET	0.628580445	0.479107364	0.287444702
## Autocorrelation_cooc.H.PET	0.896225670	0.593893816	0.275692458
## Tendency_cooc.H.PET	0.761689228	0.610673401	0.270933363
## Shade_cooc.H.PET	-0.405870424	-0.256672601	-0.082799433
## Prominence_cooc.H.PET	0.551066595	0.468207987	0.214289348
## IC1_d.H.PET	-0.090365057	-0.079822373	-0.116488176
## IC2_d.H.PET	0.740196583	0.556710809	0.289983086
## Coarseness_vdif.H.PET	0.484867988	0.209306498	0.033429777
## Contrast_vdif.H.PET	0.323835698	0.114381336	0.008353753
## Busyness_vdif.H.PET	-0.066600270	0.548406551	0.452690359
## Complexity_vdif.H.PET	0.687728984	0.342087236	0.020007838
## Strength_vdif.H.PET	0.062712799	-0.058665147	-0.085235372
## SRE_align.H.PET	0.922674629	0.691418445	0.285114123
## LRE_align.H.PET	0.634743359	0.399244473	0.271984315
## RLNU_align.H.PET	0.126412247	0.392523953	0.398929193
## RP_align.H.PET	0.911791559	0.681302694	0.273511168
## LGRE_align.H.PET	0.500156188	0.241642753	0.057960291
## HGRE_align.H.PET	0.892096340	0.619523933	0.293100326
## LGSRE_align.H.PET	0.498088155	0.239457939	0.056588825
## HGSRE_align.H.PET	0.921037345	0.677957121	0.292908648
## LGHRE_align.H.PET	0.511537392	0.252869743	0.067123069
## HGLRE_align.H.PET	0.459786463	0.224334499	0.178472181
## GLNU_norm_align.H.PET	0.539285113	0.274092469	0.147573640
## RLNU_norm_align.H.PET	0.861411703	0.649445989	0.246377805
## GLVAR_align.H.PET	0.769003386	0.606360359	0.247697171
## RLVAR_align.H.PET	0.303268987	0.141137799	0.172812083

## Entropy_align.H.PET	0.840615845	0.664366283	0.309783406
## SZSE.H.PET	0.794806586	0.646311383	0.260757771
## LZSE.H.PET	-0.034853958	-0.096023233	0.072811206
## LGLZE.H.PET	0.500259499	0.242920473	0.057084414
## HGLZE.H.PET	0.828007794	0.609504895	0.375211066
## SZLGE.H.PET	0.494217569	0.238680792	0.054833432
## SZHGE.H.PET	0.765870534	0.637206153	0.274589197
## LZLGE.H.PET	0.035546422	-0.064958250	0.077742959
## LZHGE.H.PET	-0.015417079	-0.108920167	0.037938535
## GLNU_area.H.PET	0.129409298	0.505014878	0.476530201
## ZSNU.H.PET	0.113043423	0.331843034	0.355136806
## ZSP.H.PET	0.620215725	0.511007569	0.176561877
## GLNU_norm.H.PET	0.561562723	0.262663466	0.121284752
## ZSNU_norm.H.PET	0.673894130	0.541971971	0.195694004
## GLVAR_area.H.PET	0.742856769	0.603130444	0.252762324
## ZSVAR_H.PET	-0.028596893	-0.099449679	0.060626911
## Entropy_area.H.PET	0.883985574	0.702770640	0.346618538
## Max_cooc.W.PET	0.399331883	0.135679480	0.036452113
## Average_cooc.W.PET	0.489161332	0.379288486	0.150948757
## Variance_cooc.W.PET	0.238509165	0.189139017	0.084372466
## Entropy_cooc.W.PET	0.797460692	0.637471844	0.273486151
## DAVE_cooc.W.PET	0.514913567	0.395654974	0.120233751
## DVAR_cooc.W.PET	0.273821921	0.202820056	0.055780048
## DENT_cooc.W.PET	0.785207323	0.620857038	0.244593605
## SAVE_cooc.W.PET	0.488297582	0.378932943	0.150879786
## SVAR_cooc.W.PET	0.212035613	0.178052939	0.097762904
## SENT_cooc.W.PET	0.842327414	0.653117524	0.265732970
## ASM_cooc.W.PET	0.441445097	0.154718068	0.044463839
## Contrast_cooc.W.PET	0.285928056	0.201004512	0.041713698
## Dissimilarity_cooc.W.PET	0.514913567	0.395654974	0.120233751
## Inv_diff_cooc.W.PET	0.746906319	0.484613129	0.258092065
## Inv_diff_norm_cooc.W.PET	0.941986324	0.711245936	0.336328972
## IDM_cooc.W.PET	0.626299731	0.378831618	0.218158806
## IDM_norm_cooc.W.PET	0.948536220	0.706045327	0.325667122
## Inv_var_cooc.W.PET	0.685867937	0.445351351	0.244117512
## Correlation_cooc.W.PET	0.618850469	0.480850989	0.299140506
## Autocorrelation_cooc.W.PET	0.238528709	0.179473117	0.087215153
## Tendency_cooc.W.PET	0.212035613	0.178052939	0.097762904
## Shade_cooc.W.PET	0.033011418	0.048132444	0.065480677
## Prominence_cooc.W.PET	0.005718182	0.016366533	0.065603628
## IC1_d.W.PET	-0.107176085	-0.080150668	-0.075650926
## IC2_d.W.PET	0.816965102	0.570901958	0.249201900
## Coarseness_vdif.W.PET	0.510701549	0.177110406	-0.041221419
## Contrast_vdif.W.PET	0.486962493	0.276153962	-0.013173206
## Busyness_vdif.W.PET	0.194779467	0.255931039	0.329491282
## Complexity_vdif.W.PET	0.149953962	0.131848148	0.101336197
## Strength_vdif.W.PET	0.238471456	0.164953665	0.016693362
## SRE_align.W.PET	0.944954631	0.699531891	0.300288614
## LRE_align.W.PET	0.847225479	0.568134365	0.301951554
## GLNU_align.W.PET	0.124308968	0.501858518	0.478172559
## RLNU_align.W.PET	0.123124828	0.403642200	0.405799543
## RP_align.W.PET	0.940467877	0.697061449	0.295191451
## LGRE_align.W.PET	0.518004665	0.271421687	0.148703370
## HGRE_align.W.PET	0.240223582	0.183508288	0.088587442

## LGSRE_align.W.PET	0.551865272	0.298927289	0.153275355
## HGSRE_align.W.PET	0.236153457	0.180359677	0.086123313
## LGHRE_align.W.PET	0.363422363	0.149310912	0.129832268
## HGLRE_align.W.PET	0.256757003	0.194966513	0.098187642
## GLNU_norm_align.W.PET	0.546582936	0.267872267	0.129285763
## RLNU_norm_align.W.PET	0.920136554	0.687418589	0.281715631
## GLVAR_align.W.PET	0.239256343	0.186950346	0.090440367
## RLVAR_align.W.PET	0.387240780	0.174079522	0.165102725
## Entropy_align.W.PET	0.842884208	0.665724986	0.303717721
## SZSE.W.PET	0.884933779	0.691162604	0.287605829
## LZSE.W.PET	0.175356604	-0.023078783	0.039201531
## LGLZE.W.PET	0.542461280	0.287733664	0.146933615
## HGLZE.W.PET	0.242396239	0.188395328	0.090141846
## SZLGE.W.PET	0.604778961	0.363288501	0.154366820
## SZHGE.W.PET	0.230336058	0.180660922	0.084014373
## LZLGE.W.PET	0.040837942	-0.090220913	0.040907234
## LZHGE.W.PET	0.306868044	0.150646276	0.061533807
## GLNU_area.W.PET	0.128855350	0.519968475	0.485998452
## ZSNU.W.PET	0.118718813	0.376433969	0.386655847
## ZSP.W.PET	0.812166579	0.651645269	0.263013135
## GLNU_norm.W.PET	0.568657141	0.275692726	0.124248340
## ZSNU_norm.W.PET	0.812361078	0.638260696	0.243869862
## GLVAR_area.W.PET	0.242038529	0.191609257	0.089216334
## ZSVAR.W.PET	0.085816692	-0.074010501	0.017619905
## Entropy_area.W.PET	0.881218013	0.687753287	0.329742672
## Min_hist.ADC	0.420443810	0.003786271	-0.283656740
## Max_hist.ADC	0.800983111	0.704150153	0.515239662
## Mean_hist.ADC	0.834279623	0.576519920	0.180752837
## Variance_hist.ADC	0.360341514	0.479715902	0.745007739
## Standard_Deviation_hist.ADC	0.634424103	0.646530965	0.695732605
## Skewness_hist.ADC	0.231138522	0.170781616	0.140947968
## Kurtosis_hist.ADC	0.261402157	0.167800494	-0.188825933
## Energy_hist.ADC	0.510996075	0.209964047	0.021824827
## Entropy_hist.ADC	0.876581891	0.721040549	0.423886098
## AUC_hist.ADC	0.920060691	0.724199638	0.377956777
## Volume.ADC	0.138578347	0.617290022	0.575105579
## X3D_surface.ADC	0.274198158	0.632571104	0.716856699
## ratio_3ds_vol.ADC	0.678076443	0.363104503	-0.079994092
## ratio_3ds_vol_norm.ADC	0.795700378	0.900062083	0.469558182
## irregularity.ADC	0.940004692	0.624832581	0.207008027
## Compactness_v1.ADC	0.760041009	0.301785013	0.076199847
##	Max_3D_diam.ADC	Major_axis_length.ADC	
## Failure	-0.203049050	-0.164756314	
## Entropy_cooc.W.ADC	0.269702128	0.270929848	
## GLNU_align.H.PET	0.193604435	0.166028122	
## Min_hist.PET	0.407182769	0.476292535	
## Max_hist.PET	0.493274481	0.557596934	
## Mean_hist.PET	0.435010147	0.495515814	
## Variance_hist.PET	0.268151912	0.302929615	
## Standard_Deviation_hist.PET	0.461288135	0.510027451	
## Skewness_hist.PET	0.348867499	0.447030898	
## Kurtosis_hist.PET	0.180421051	0.270700309	
## Energy_hist.PET	0.122259363	0.217254441	
## Entropy_hist.PET	0.698858147	0.761185313	

## AUC_hist.PET	0.642737643	0.731115489
## H_suv.PET	0.465467792	0.503636477
## Volume.PET	0.591459261	0.539115326
## X3D_surface.PET	0.381366976	0.352301982
## ratio_3ds_vol.PET	0.123548009	0.232050129
## ratio_3ds_vol_norm.PET	0.355166482	0.439882784
## irregularity.PET	0.532974864	0.638369757
## tumor_length.PET	0.594277149	0.636969276
## Compactness_v1.PET	0.305295473	0.388056299
## Compactness_v2.PET	0.288360325	0.272125633
## Spherical_disproportion.PET	0.355166482	0.439882784
## Sphericity.PET	0.307607303	0.275733627
## Asphericity.PET	0.340928844	0.424411845
## Center_of_mass.PET	0.425471071	0.411858775
## Max_3D_diam.PET	0.552814065	0.547122840
## Major_axis_length.PET	0.556060097	0.563876100
## Minor_axis_length.PET	0.714317148	0.729204052
## Least_axis_length.PET	0.672223573	0.657443543
## Elongation.PET	0.532757383	0.614910640
## Flatness.PET	0.539942430	0.592327371
## Max_cooc.L.PET	0.179347263	0.279819676
## Average_cooc.L.PET	0.381802320	0.440131233
## Variance_cooc.L.PET	0.152038837	0.204673443
## Entropy_cooc.L.PET	0.642290361	0.709863731
## DAVE_cooc.L.PET	0.281874737	0.339999418
## DVAR_cooc.L.PET	0.206878617	0.271934973
## DENT_cooc.L.PET	0.552054884	0.629781228
## SAVE_cooc.L.PET	0.381760053	0.440003764
## SVAR_cooc.L.PET	0.175639135	0.228553385
## SENT_cooc.L.PET	0.561687507	0.647293607
## ASM_cooc.L.PET	0.172037632	0.264582077
## Contrast_cooc.L.PET	0.094054204	0.139136479
## Dissimilarity_cooc.L.PET	0.281874737	0.339999418
## Inv_diff_cooc.L.PET	0.653459502	0.752368348
## Inv_diff_norm_cooc.L.PET	0.657563480	0.746983685
## IDM_cooc.L.PET	0.603319418	0.704912628
## IDM_norm_cooc.L.PET	0.647230715	0.735541032
## Inv_var_cooc.L.PET	0.619396431	0.718435412
## Correlation_cooc.L.PET	0.519381075	0.579216563
## Autocorrelation_cooc.L.PET	0.192462820	0.237989078
## Tendency_cooc.L.PET	0.175639135	0.228553385
## Shade_cooc.L.PET	0.079196905	0.127641723
## Prominence_cooc.L.PET	0.006154059	0.059707355
## IC1_.L.PET	0.082355433	0.033435820
## IC2_.L.PET	0.392373046	0.491298534
## Coarseness_vdif_.L.PET	0.065082064	0.168159582
## Contrast_vdif_.L.PET	-0.086453633	-0.047678124
## Busyness_vdif_.L.PET	0.546399623	0.501016937
## Complexity_vdif_.L.PET	0.265301468	0.332783979
## Strength_vdif_.L.PET	-0.126510589	-0.043078532
## SRE_align.L.PET	0.622750790	0.710580771
## LRE_align.L.PET	0.650376478	0.738699211
## GLNU_align.L.PET	0.471090284	0.439320735
## RLNU_align.L.PET	0.468141197	0.408754491

## RP_align.L.PET	0.619734949	0.707420366
## LGRE_align.L.PET	0.346142765	0.458452134
## HGRE_align.L.PET	0.213879899	0.255690202
## LGSRE_align.L.PET	0.346857667	0.459092180
## HGSRE_align.L.PET	0.209696806	0.251732297
## LGHRE_align.L.PET	0.341531670	0.453528859
## HGLRE_align.L.PET	0.230379296	0.271115322
## GLNU_norm_align.L.PET	0.354668771	0.477678865
## RLNU_norm_align.L.PET	0.609154374	0.696438900
## GLVAR_align.L.PET	0.196087376	0.243400037
## RLVAR_align.L.PET	0.459093039	0.557800545
## Entropy_align.L.PET	0.636858405	0.706940657
## SZSE.L.PET	0.610060447	0.696255445
## LZSE.L.PET	0.467025769	0.532307660
## LGLZE.L.PET	0.355861757	0.470416811
## HGLZE.L.PET	0.219639769	0.261873815
## SZLGE.L.PET	0.359027838	0.473603223
## SZHGE.L.PET	0.219682860	0.263032305
## LZLGE.L.PET	0.308202040	0.409392129
## LZHGE.L.PET	0.179817361	0.210241221
## GLNU_area.L.PET	0.478978191	0.442944243
## ZSNU.L.PET	0.473205709	0.409479435
## ZSP.L.PET	0.600989398	0.686582620
## GLNU_norm.L.PET	0.356878790	0.479082128
## ZSNU_norm.L.PET	0.582048249	0.667377348
## GLVAR_area.L.PET	0.204363537	0.253650880
## ZSVAR.L.PET	0.395399876	0.461354534
## Entropy_area.L.PET	0.651173556	0.722260954
## Max_cooc.H.PET	0.017034230	0.087487529
## Average_cooc.H.PET	0.563419601	0.657367409
## Variance_cooc.H.PET	0.617277865	0.672958294
## Entropy_cooc.H.PET	0.529913155	0.600633882
## DAVE_cooc.H.PET	0.558519287	0.623997861
## DVAR_cooc.H.PET	0.532454071	0.603375483
## DENT_cooc.H.PET	0.625519365	0.678472846
## SAVE_cooc.H.PET	0.603807910	0.694559107
## SVAR_cooc.H.PET	0.678543657	0.739021234
## SENT_cooc.H.PET	0.418528299	0.504838566
## ASM_cooc.H.PET	0.007914982	0.077437720
## Contrast_cooc.H.PET	0.483680868	0.541053057
## Dissimilarity_cooc.H.PET	0.558519287	0.623997861
## Inv_diff_cooc.H.PET	0.332541407	0.414931756
## Inv_diff_norm_cooc.H.PET	0.624797460	0.715037615
## IDM_cooc.H.PET	0.250280654	0.325539386
## IDM_norm_cooc.H.PET	0.630045070	0.718948807
## Inv_var_cooc_.H.PET	0.336175078	0.439306187
## Correlation_cooc.H.PET	0.533109377	0.586222072
## Autocorrelation_cooc.H.PET	0.492317644	0.589164545
## Tendency_cooc.H.PET	0.634262063	0.684039672
## Shade_cooc.H.PET	-0.274503542	-0.309857343
## Prominence_cooc.H.PET	0.548590782	0.572328274
## IC1_d.H.PET	-0.138337282	-0.122294553
## IC2_d.H.PET	0.563432461	0.636828381
## Coarseness_vdif.H.PET	0.142712268	0.234931817

## Contrast_vdif.H.PET	-0.038807926	0.016723653
## Busyness_vdif.H.PET	0.390435794	0.288096278
## Complexity_vdif.H.PET	0.262777474	0.361435492
## Strength_vdif.H.PET	-0.136861502	-0.111475269
## SRE_align.H.PET	0.629851833	0.713624152
## LRE_align.H.PET	0.347598010	0.410821657
## RLNU_align.H.PET	0.457319379	0.405666012
## RP_align.H.PET	0.619297182	0.702807334
## LGRE_align.H.PET	0.194505293	0.288165188
## HGRE_align.H.PET	0.511841352	0.603569568
## LGSRE_align.H.PET	0.192075132	0.285743797
## HGSRE_align.H.PET	0.560890232	0.653451494
## LGHRE_align.H.PET	0.207713636	0.300855197
## HGLRE_align.H.PET	0.204779353	0.252030999
## GLNU_norm_align.H.PET	0.144659594	0.224001438
## RLNU_norm_align.H.PET	0.596280437	0.674120277
## GLVAR_align.H.PET	0.614715512	0.667979912
## RLVAR_align.H.PET	0.155028261	0.181211213
## Entropy_align.H.PET	0.681274423	0.747367920
## SZSE.H.PET	0.618199258	0.688464500
## LZSE.H.PET	-0.022992204	-0.034850186
## LGLZE.H.PET	0.195740648	0.290463734
## HGLZE.H.PET	0.553900828	0.630331332
## SZLGE.H.PET	0.189920135	0.284630359
## SZHGE.H.PET	0.556432521	0.630502840
## LZLGE.H.PET	0.014660323	0.017096892
## LZHGE.H.PET	-0.050870494	-0.057625735
## GLNU_area.H.PET	0.508905129	0.442048134
## ZSNU.H.PET	0.410014682	0.366868549
## ZSP.H.PET	0.496182365	0.552969085
## GLNU_norm.H.PET	0.136016198	0.211759046
## ZSNU_norm.H.PET	0.536864567	0.597993045
## GLVAR_area.H.PET	0.614208605	0.666532081
## ZSVAR.H.PET	-0.030185437	-0.037728541
## Entropy_area.H.PET	0.700190507	0.772150812
## Max_cooc.W.PET	0.040581407	0.120682449
## Average_cooc.W.PET	0.454888455	0.503293536
## Variance_cooc.W.PET	0.253326256	0.289800732
## Entropy_cooc.W.PET	0.642765834	0.705947674
## DAVE_cooc.W.PET	0.414022737	0.464827091
## DVAR_cooc.W.PET	0.244273125	0.288018875
## DENT_cooc.W.PET	0.604317991	0.672430965
## SAVE_cooc.W.PET	0.454654169	0.502887535
## SVAR_cooc.W.PET	0.250803350	0.283742866
## SENT_cooc.W.PET	0.626499948	0.704968800
## ASM_cooc.W.PET	0.070597351	0.157739378
## Contrast_cooc.W.PET	0.237102144	0.279462790
## Dissimilarity_cooc.W.PET	0.414022737	0.464827091
## Inv_diff_cooc.W.PET	0.391227178	0.472123097
## Inv_diff_norm_cooc.W.PET	0.654425448	0.744130658
## IDM_cooc.W.PET	0.286828415	0.360963213
## IDM_norm_cooc.W.PET	0.646013769	0.734427609
## Inv_var_cooc.W.PET	0.343847962	0.420723317
## Correlation_cooc.W.PET	0.523576024	0.583651070

## Autocorrelation_cooc.W.PET	0.282192339	0.320589761
## Tendency_cooc.W.PET	0.250803350	0.283742866
## Shade_cooc.W.PET	0.068181535	0.077205954
## Prominence_cooc.W.PET	0.045195853	0.050681646
## IC1_d.W.PET	-0.112035127	-0.105875591
## IC2_d.W.PET	0.543488461	0.633343445
## Coarseness_vdif.W.PET	0.013721991	0.113892267
## Contrast_vdif.W.PET	0.220705361	0.277551624
## Busyness_vdif.W.PET	0.220975341	0.165099439
## Complexity_vdif.W.PET	0.198706119	0.236969295
## Strength_vdif.W.PET	0.051234447	0.136219885
## SRE_align.W.PET	0.634348030	0.720790361
## LRE_align.W.PET	0.515856271	0.594503465
## GLNU_align.W.PET	0.491767153	0.434932935
## RLNU_align.W.PET	0.461552056	0.407172755
## RP_align.W.PET	0.631711734	0.717874467
## LGRE_align.W.PET	0.147414398	0.223726063
## HGRE_align.W.PET	0.287162814	0.322525192
## LGSRE_align.W.PET	0.169144871	0.248315437
## HGSRE_align.W.PET	0.281390100	0.316865235
## LGHRE_align.W.PET	0.064481357	0.123077728
## HGLRE_align.W.PET	0.310242422	0.344848659
## GLNU_norm_align.W.PET	0.138209725	0.224067588
## RLNU_norm_align.W.PET	0.626352947	0.709805105
## GLVAR_align.W.PET	0.268809532	0.303496062
## RLVAR_align.W.PET	0.167356813	0.210325779
## Entropy_align.W.PET	0.676408955	0.742740664
## SZSE.W.PET	0.634991457	0.717246567
## LZSE.W.PET	-0.007901487	0.008364028
## LGLZE.W.PET	0.170835192	0.247959645
## HGLZE.W.PET	0.285746921	0.321388215
## SZLGE.W.PET	0.237457915	0.322245032
## SZHGE.W.PET	0.268895565	0.305308875
## LZLGE.W.PET	-0.079430413	-0.072382606
## LZHGE.W.PET	0.308087493	0.337962107
## GLNU_area.W.PET	0.511575307	0.450312948
## ZSNU.W.PET	0.441980872	0.392005529
## ZSP.W.PET	0.607354212	0.681926007
## GLNU_norm.W.PET	0.144196319	0.231400603
## ZSNU_norm.W.PET	0.598081914	0.672946631
## GLVAR_area.W.PET	0.270613060	0.306212648
## ZSVAR.W.PET	-0.045581329	-0.037306786
## Entropy_area.W.PET	0.691276673	0.761056870
## Min_hist.ADC	-0.208294762	-0.078009850
## Max_hist.ADC	0.797943266	0.855426300
## Mean_hist.ADC	0.470495187	0.583812294
## Variance_hist.ADC	0.606600702	0.641433077
## Standard_Deviation_hist.ADC	0.703874603	0.758775281
## Skewness_hist.ADC	0.226095182	0.203940132
## Kurtosis_hist.ADC	0.247853486	0.230384895
## Energy_hist.ADC	0.125952097	0.220514463
## Entropy_hist.ADC	0.783349749	0.854130866
## AUC_hist.ADC	0.691888110	0.751440764
## Volume.ADC	0.599886779	0.541341528

## X3D_surface.ADC	0.949630457	0.870602043
## ratio_3ds_vol.ADC	-0.072065098	0.054763689
## ratio_3ds_vol_norm.ADC	0.725702237	0.783256155
## irregularity.ADC	0.452557955	0.550662215
## Compactness_v1.ADC	0.293039114	0.399692193
##	Minor_axis_length.ADC	Least_axis_length.ADC
## Failure	-0.1949022961	-0.197847578
## Entropy_cooc.W.ADC	0.2526520258	0.243986020
## GLNU_align.H.PET	0.1974024377	0.195503488
## Min_hist.PET	0.3861568858	0.392240350
## Max_hist.PET	0.4816305928	0.469732884
## Mean_hist.PET	0.4125785096	0.427336289
## Variance_hist.PET	0.2474689620	0.269453652
## Standard_Deviation_hist.PET	0.4497279136	0.454459841
## Skewness_hist.PET	0.3896974521	0.273020822
## Kurtosis_hist.PET	0.2269955968	0.087673240
## Energy_hist.PET	0.1339499168	0.105084357
## Entropy_hist.PET	0.6932361645	0.671867068
## AUC_hist.PET	0.6649443362	0.613102432
## H_suv.PET	0.4575269819	0.477730655
## Volume.PET	0.5539943972	0.544334121
## X3D_surface.PET	0.3829825047	0.350951897
## ratio_3ds_vol.PET	0.1696125499	0.103863155
## ratio_3ds_vol_norm.PET	0.4071615918	0.339743287
## irregularity.PET	0.5582243367	0.501139242
## tumor_length.PET	0.6162910542	0.561058523
## Compactness_v1.PET	0.3104205883	0.286388284
## Compactness_v2.PET	0.2831453884	0.274702683
## Spherical_disproportion.PET	0.4071615918	0.339743287
## Sphericity.PET	0.2877840068	0.298570212
## Asphericity.PET	0.3930077661	0.326080037
## Center_of_mass.PET	0.4271151454	0.395680908
## Max_3D_diam.PET	0.5313149163	0.526707265
## Major_axis_length.PET	0.5361398996	0.534949181
## Minor_axis_length.PET	0.7235738175	0.674880966
## Least_axis_length.PET	0.6721383421	0.642587087
## Elongation.PET	0.5789993413	0.501824017
## Flatness.PET	0.5754288321	0.521003176
## Max_cooc.L.PET	0.1939601904	0.157170093
## Average_cooc.L.PET	0.3960413246	0.398551014
## Variance_cooc.L.PET	0.1804552116	0.168453154
## Entropy_cooc.L.PET	0.6655679111	0.633029349
## DAVE_cooc.L.PET	0.3087063687	0.293161524
## DVAR_cooc.L.PET	0.2603196220	0.198539206
## DENT_cooc.L.PET	0.5773653653	0.540936929
## SAVE_cooc.L.PET	0.3959904802	0.398532203
## SVAR_cooc.L.PET	0.2044397664	0.190230181
## SENT_cooc.L.PET	0.5872182723	0.546624568
## ASM_cooc.L.PET	0.1850671286	0.154793362
## Contrast_cooc.L.PET	0.1180340018	0.111160264
## Dissimilarity_cooc.L.PET	0.3087063687	0.293161524
## Inv_diff_cooc.L.PET	0.6751580253	0.598629534
## Inv_diff_norm_cooc.L.PET	0.6825140152	0.625830272
## IDM_cooc.L.PET	0.6245431851	0.542572796

## IDM_norm_cooc.L.PET	0.6725693017	0.618265264
## Inv_var_cooc.L.PET	0.6398977929	0.559724916
## Correlation_cooc.L.PET	0.5345627085	0.485684317
## Autocorrelation_cooc.L.PET	0.2028418376	0.220740635
## Tendency_cooc.L.PET	0.2044397664	0.190230181
## Shade_cooc.L.PET	0.0934920621	0.053161653
## Prominence_cooc.L.PET	0.0326938058	0.016299882
## IC1_.L.PET	0.0549859266	0.093413288
## IC2_.L.PET	0.4284873787	0.377806635
## Coarseness_vdif_.L.PET	0.0833862069	0.048359031
## Contrast_vdif_.L.PET	-0.0857955986	-0.098093024
## Busyness_vdif_.L.PET	0.5245372248	0.495294620
## Complexity_vdif_.L.PET	0.2951590378	0.265779845
## Strength_vdif_.L.PET	-0.1080776636	-0.162401106
## SRE_align.L.PET	0.6488222407	0.597595801
## LRE_align.L.PET	0.6771106613	0.619080014
## GLNU_align.L.PET	0.4647746632	0.421765083
## RLNU_align.L.PET	0.4463348581	0.441931510
## RP_align.L.PET	0.6458764156	0.595148788
## LGRE_align.L.PET	0.3854477813	0.276720418
## HGRE_align.L.PET	0.2242731210	0.244125131
## LGSRE_align.L.PET	0.3860556715	0.278799288
## HGSRE_align.L.PET	0.2204355017	0.239578958
## LGHRE_align.L.PET	0.3813011757	0.267177999
## HGLRE_align.L.PET	0.2394228343	0.262071783
## GLNU_norm_align.L.PET	0.3796693951	0.302949301
## RLNU_norm_align.L.PET	0.6356401509	0.586407333
## GLVAR_align.L.PET	0.2226669924	0.220659751
## RLVAR_align.L.PET	0.4777080742	0.414492511
## Entropy_align.L.PET	0.6602671877	0.626318471
## SZSE.L.PET	0.6329541667	0.585274447
## LZSE.L.PET	0.4976190048	0.442407888
## LGLZE.L.PET	0.3956961532	0.285735651
## HGLZE.L.PET	0.2310829110	0.248585321
## SZLGE.L.PET	0.3963020995	0.292460592
## SZHGE.L.PET	0.2308703709	0.244859187
## LZLGE.L.PET	0.3528495776	0.228773204
## LZHGE.L.PET	0.1895916744	0.217966824
## GLNU_area.L.PET	0.4692082988	0.431382159
## ZSNU.L.PET	0.4484638542	0.448920996
## ZSP.L.PET	0.6244442927	0.578576283
## GLNU_norm.L.PET	0.3814139189	0.306142379
## ZSNU_norm.L.PET	0.6075789022	0.564233953
## GLVAR_area.L.PET	0.2322023014	0.227687036
## ZSVAR.L.PET	0.4265327102	0.356320459
## Entropy_area.L.PET	0.6748182631	0.637183062
## Max_cooc.H.PET	0.0363828304	-0.011195405
## Average_cooc.H.PET	0.5946621295	0.532287795
## Variance_cooc.H.PET	0.6271845673	0.611645977
## Entropy_cooc.H.PET	0.5452396387	0.506583073
## DAVE_cooc.H.PET	0.5755552268	0.551049472
## DVAR_cooc.H.PET	0.5399442102	0.525350066
## DENT_cooc.H.PET	0.6466491846	0.624789446
## SAVE_cooc.H.PET	0.6301050576	0.571654081

## SVAR_cooc.H.PET	0.6741990530	0.664188736
## SENT_cooc.H.PET	0.4399880983	0.408126971
## ASM_cooc.H.PET	0.0247492382	-0.009527745
## Contrast_cooc.H.PET	0.4937268512	0.485537229
## Dissimilarity_cooc.H.PET	0.5755552268	0.551049472
## Inv_diff_cooc.H.PET	0.3630922758	0.299253801
## Inv_diff_norm_cooc.H.PET	0.6518611826	0.595693301
## IDM_cooc.H.PET	0.2803855212	0.219076008
## IDM_norm_cooc.H.PET	0.6568516693	0.601958979
## Inv_var_cooc_.H.PET	0.3458529750	0.316532836
## Correlation_cooc.H.PET	0.5495736912	0.504991016
## Autocorrelation_cooc.H.PET	0.5259449541	0.458745082
## Tendency_cooc.H.PET	0.6432065082	0.625090475
## Shade_cooc.H.PET	-0.2756583469	-0.276869986
## Prominence_cooc.H.PET	0.5438872913	0.552857976
## IC1_d.H.PET	-0.1516212802	-0.120808449
## IC2_d.H.PET	0.5752484409	0.526761906
## Coarseness_vdif.H.PET	0.1551138649	0.128508305
## Contrast_vdif.H.PET	-0.0259437205	-0.054453842
## Busyness_vdif.H.PET	0.3353296024	0.363729678
## Complexity_vdif.H.PET	0.2941270662	0.257554779
## Strength_vdif.H.PET	-0.1398492019	-0.134706999
## SRE_align.H.PET	0.6512399757	0.607447415
## LRE_align.H.PET	0.3759086007	0.317639441
## RLNU_align.H.PET	0.4325363324	0.434768044
## RP_align.H.PET	0.6392456737	0.598300265
## LGRE_align.H.PET	0.2011410084	0.180333313
## HGRE_align.H.PET	0.5424005937	0.480025574
## LGSRE_align.H.PET	0.1987017344	0.177981075
## HGSRE_align.H.PET	0.5889089770	0.529077204
## LGHRE_align.H.PET	0.2148655247	0.192981781
## HGLRE_align.H.PET	0.2326704888	0.185463172
## GLNU_norm_align.H.PET	0.1783393218	0.116516741
## RLNU_norm_align.H.PET	0.6127335165	0.578853545
## GLVAR_align.H.PET	0.6185003418	0.611442618
## RLVAR_align.H.PET	0.1837028737	0.132799662
## Entropy_align.H.PET	0.6906411015	0.664180796
## SZSE.H.PET	0.6286379289	0.601048228
## LZSE.H.PET	-0.0123779065	-0.026004460
## LGLZE.H.PET	0.2011633854	0.181180792
## HGLZE.H.PET	0.5862463882	0.532195579
## SZLGE.H.PET	0.1953545329	0.175298566
## SZHGE.H.PET	0.5783623768	0.526132256
## LZLGE.H.PET	0.0254038928	0.002312997
## LZHGE.H.PET	-0.0410270168	-0.054639188
## GLNU_area.H.PET	0.4894879264	0.473139483
## ZSNU.H.PET	0.3801158975	0.395801643
## ZSP.H.PET	0.4973551026	0.488169473
## GLNU_norm.H.PET	0.1730943878	0.111256634
## ZSNU_norm.H.PET	0.5399726165	0.528239656
## GLVAR_area.H.PET	0.6171785791	0.615191471
## ZSVAR_H.PET	-0.0214331645	-0.037807704
## Entropy_area.H.PET	0.7165339796	0.676219373
## Max_cooc.W.PET	0.0531049374	0.020472314

## Average_cooc.W.PET	0.4343334742	0.455837936
## Variance_cooc.W.PET	0.2348046113	0.250328354
## Entropy_cooc.W.PET	0.6507330350	0.628460655
## DAVE_cooc.W.PET	0.4070889118	0.410116755
## DVAR_cooc.W.PET	0.2232174788	0.243650684
## DENT_cooc.W.PET	0.6124647549	0.588253191
## SAVE_cooc.W.PET	0.4340705675	0.455631415
## SVAR_cooc.W.PET	0.2326802170	0.246118180
## SENT_cooc.W.PET	0.6390844271	0.605824649
## ASM_cooc.W.PET	0.0848798024	0.054808199
## Contrast_cooc.W.PET	0.2191764371	0.238806749
## Dissimilarity_cooc.W.PET	0.4070889118	0.410116755
## Inv_diff_cooc.W.PET	0.4245415475	0.360922727
## Inv_diff_norm_cooc.W.PET	0.6796261030	0.622761556
## IDM_cooc.W.PET	0.3185679262	0.257568756
## IDM_norm_cooc.W.PET	0.6714309489	0.617002305
## Inv_var_cooc.W.PET	0.3773517862	0.311563499
## Correlation_cooc.W.PET	0.5382339705	0.489758792
## Autocorrelation_cooc.W.PET	0.2491850952	0.289528257
## Tendency_cooc.W.PET	0.2326802170	0.246118180
## Shade_cooc.W.PET	0.0668461821	0.063062521
## Prominence_cooc.W.PET	0.0393333396	0.048019139
## IC1_d.W.PET	-0.1237305773	-0.089234177
## IC2_d.W.PET	0.5593550887	0.506019776
## Coarseness_vdif.W.PET	0.0276026919	-0.005358964
## Contrast_vdif.W.PET	0.2253897763	0.222431473
## Busyness_vdif.W.PET	0.2314399530	0.212877896
## Complexity_vdif.W.PET	0.1853843094	0.194785521
## Strength_vdif.W.PET	0.0654725768	-0.006807614
## SRE_align.W.PET	0.6584641994	0.609310251
## LRE_align.W.PET	0.5487137307	0.487953062
## GLNU_align.W.PET	0.4846255507	0.442890507
## RLNU_align.W.PET	0.4389155129	0.436458441
## RP_align.W.PET	0.6549547496	0.607421174
## LGRE_align.W.PET	0.1878132506	0.114649624
## HGRE_align.W.PET	0.2561866083	0.297390937
## LGSRE_align.W.PET	0.2117569186	0.135312293
## HGSRE_align.W.PET	0.2506068913	0.291379403
## LGHRE_align.W.PET	0.0959773234	0.038237339
## HGLRE_align.W.PET	0.2788288469	0.321511504
## GLNU_norm_align.W.PET	0.1686003427	0.111130553
## RLNU_norm_align.W.PET	0.6479602499	0.603815453
## GLVAR_align.W.PET	0.2480697123	0.270101328
## RLVAR_align.W.PET	0.1968982751	0.146801388
## Entropy_align.W.PET	0.6864905048	0.659829636
## SZSE.W.PET	0.6503332706	0.609767120
## LZSE.W.PET	0.0126718525	-0.021650356
## LGLZE.W.PET	0.2152051486	0.140555248
## HGLZE.W.PET	0.2560699603	0.294174885
## SZLGE.W.PET	0.2816773083	0.205414615
## SZHGE.W.PET	0.2397397679	0.275564717
## LZLGE.W.PET	-0.0692829452	-0.083543753
## LZHGE.W.PET	0.2919802749	0.319620999
## GLNU_area.W.PET	0.4978280742	0.467330271

## ZSNU.W.PET	0.4150478754	0.421103816
## ZSP.W.PET	0.6169328873	0.589051614
## GLNU_norm.W.PET	0.1757516542	0.117803997
## ZSNU_norm.W.PET	0.6073810698	0.578825380
## GLVAR_area.W.PET	0.2510086378	0.271188123
## ZSVAR.W.PET	-0.0292609389	-0.059993385
## Entropy_area.W.PET	0.7075064429	0.670924201
## Min_hist.ADC	-0.2092282338	-0.255832442
## Max_hist.ADC	0.8082863584	0.775828504
## Mean_hist.ADC	0.4905558369	0.410066505
## Variance_hist.ADC	0.5758543811	0.576862919
## Standard_Deviation_hist.ADC	0.6878574233	0.679844842
## Skewness_hist.ADC	0.2134032544	0.291646218
## Kurtosis_hist.ADC	0.3150951115	0.238687598
## Energy_hist.ADC	0.1393341264	0.113718035
## Entropy_hist.ADC	0.8028969842	0.757374712
## AUC_hist.ADC	0.7078764796	0.681184073
## Volume.ADC	0.5607363703	0.558930431
## X3D_surface.ADC	0.9100475593	0.935607369
## ratio_3ds_vol.ADC	-0.0616656941	-0.103708246
## ratio_3ds_vol_norm.ADC	0.7241492596	0.663469900
## irregularity.ADC	0.4763973637	0.434159686
## Compactness_v1.ADC	0.3234690989	0.294802760
##	Elongation.ADC	Flatness.ADC
## Failure	-0.083330417	-0.0894104372
## Entropy_cooc.W.ADC	0.061416693	0.0656434655
## GLNU_align.H.PET	0.041545956	0.0658392013
## Min_hist.PET	0.405554162	0.4118104298
## Max_hist.PET	0.444151986	0.4435154671
## Mean_hist.PET	0.414100594	0.4349889932
## Variance_hist.PET	0.192950094	0.2200820679
## Standard_Deviation_hist.PET	0.452639015	0.4643937386
## Skewness_hist.PET	0.452364104	0.3329457100
## Kurtosis_hist.PET	0.114371420	-0.0081474494
## Energy_hist.PET	0.321771237	0.2928343813
## Entropy_hist.PET	0.754875736	0.7646314013
## AUC_hist.PET	0.859021987	0.8162825959
## H_suv.PET	0.489485409	0.5128308503
## Volume.PET	0.331641968	0.3679264130
## X3D_surface.PET	0.285493088	0.2735382849
## ratio_3ds_vol.PET	0.451336105	0.3604247244
## ratio_3ds_vol_norm.PET	0.536385044	0.4727207170
## irregularity.PET	0.804757709	0.7452997348
## tumor_length.PET	0.585357888	0.5582185773
## Compactness_v1.PET	0.430665925	0.4228250835
## Compactness_v2.PET	0.205125153	0.2101530549
## Spherical_disproportion.PET	0.536385044	0.4727207170
## Sphericity.PET	0.202867973	0.2271337997
## Asphericity.PET	0.517886459	0.4545484074
## Center_of_mass.PET	0.391146609	0.3665711496
## Max_3D_diam.PET	0.415663685	0.4426302414
## Major_axis_length.PET	0.446400579	0.4768651838
## Minor_axis_length.PET	0.643239116	0.6265326764
## Least_axis_length.PET	0.568582834	0.5756363146

## Elongation.PET	0.777963320	0.7008571900	0.543576254
## Flatness.PET	0.742310246	0.7017416449	0.435288161
## Max_cooc.L.PET	0.350695911	0.3221288941	0.966303602
## Average_cooc.L.PET	0.683147177	0.6819243009	0.400413889
## Variance_cooc.L.PET	0.544041340	0.5071537442	0.339653178
## Entropy_cooc.L.PET	0.870708102	0.8495325461	0.454520892
## DAVE_cooc.L.PET	0.645232732	0.6105596659	0.397034893
## DVAR_cooc.L.PET	0.594594414	0.5043335458	0.435099967
## DENT_cooc.L.PET	0.838915847	0.8015546766	0.481656460
## SAVE_cooc.L.PET	0.683031049	0.6818273183	0.399387581
## SVAR_cooc.L.PET	0.556511653	0.5221326520	0.326691941
## SENT_cooc.L.PET	0.843031782	0.8047594950	0.561759842
## ASM_cooc.L.PET	0.334577425	0.3132845106	0.969288350
## Contrast_cooc.L.PET	0.450949521	0.4150450437	0.314245274
## Dissimilarity_cooc.L.PET	0.645232732	0.6105596659	0.397034893
## Inv_diff_cooc.L.PET	0.732986043	0.6798970208	0.599943114
## Inv_diff_norm_cooc.L.PET	0.861568342	0.8163306781	0.528890707
## IDM_cooc.L.PET	0.649936696	0.5931348285	0.641987705
## IDM_norm_cooc.L.PET	0.864772630	0.8204090158	0.526475727
## Inv_var_cooc.L.PET	0.658589148	0.6043163615	0.643795248
## Correlation_cooc.L.PET	0.585647285	0.5582506736	0.364145793
## Autocorrelation_cooc.L.PET	0.490167598	0.4995855027	0.315556036
## Tendency_cooc.L.PET	0.556511653	0.5221326520	0.326691941
## Shade_cooc.L.PET	0.263727781	0.2019654179	0.138026623
## Prominence_cooc.L.PET	0.369597444	0.3258614860	0.246550814
## IC1_.L.PET	-0.248804291	-0.1587070174	0.056099342
## IC2_.L.PET	0.752388263	0.6859595171	0.556124601
## Coarseness_vdif_.L.PET	0.336341078	0.2881536535	0.883882706
## Contrast_vdif_.L.PET	0.124607830	0.0808714442	0.198847670
## Busyness_vdif_.L.PET	0.347695054	0.3459848861	0.047348236
## Complexity_vdif_.L.PET	0.608119935	0.5565733551	0.454325704
## Strength_vdif_.L.PET	0.151201944	0.0549707003	0.274382773
## SRE_align.L.PET	0.863832370	0.8194275511	0.530961692
## LRE_align.L.PET	0.861906212	0.8141792816	0.515314430
## GLNU_align.L.PET	0.301966294	0.2842855694	0.042691506
## RLNU_align.L.PET	0.288153150	0.3097367987	-0.016295077
## RP_align.L.PET	0.863605882	0.8193558761	0.530816257
## LGRE_align.L.PET	0.520397162	0.4132135714	0.678006976
## HGRE_align.L.PET	0.513384392	0.5226980524	0.331447462
## LGSRE_align.L.PET	0.525027823	0.4190721221	0.688067425
## HGSRE_align.L.PET	0.511695388	0.5196761179	0.332411754
## LGHRE_align.L.PET	0.499624424	0.3882074653	0.636271180
## HGLRE_align.L.PET	0.518972527	0.5336561311	0.326311105
## GLNU_norm_align.L.PET	0.533596522	0.4651817489	0.903430395
## RLNU_norm_align.L.PET	0.862124140	0.8183013048	0.531139008
## GLVAR_align.L.PET	0.575266988	0.5547478418	0.350011396
## RLVAR_align.L.PET	0.536097764	0.4968133729	0.840851302
## Entropy_align.L.PET	0.869701387	0.8456095361	0.467075332
## SZSE.L.PET	0.838963907	0.7981978670	0.533412081
## LZSE.L.PET	0.622903885	0.5776977901	0.331349314
## LGLZE.L.PET	0.529769691	0.4215658646	0.692001853
## HGLZE.L.PET	0.523725682	0.5300064203	0.335274505
## SZLGE.L.PET	0.534343575	0.4320824021	0.722037209
## SZHGE.L.PET	0.517337311	0.5196455021	0.342342068

## LZLGE.L.PET	0.430765858	0.3125338732	0.498122373
## LZHGE.L.PET	0.437756985	0.4602733644	0.240790297
## GLNU_area.L.PET	0.303228343	0.2911940283	0.035904723
## ZSNU.L.PET	0.289166694	0.3160792291	-0.026674377
## ZSP.L.PET	0.845293383	0.8044268134	0.529805857
## GLNU_norm.L.PET	0.534738857	0.4684877496	0.906964273
## ZSNU_norm.L.PET	0.848980237	0.8085584115	0.527520074
## GLVAR_area.L.PET	0.585254231	0.5619053752	0.359491386
## ZSVAR.L.PET	0.411424837	0.3663924470	0.376476212
## Entropy_area.L.PET	0.871703444	0.8455388583	0.467391050
## Max_cooc.H.PET	0.199101169	0.1551296229	0.389977560
## Average_cooc.H.PET	0.830606643	0.7737935468	0.494457171
## Variance_cooc.H.PET	0.757880245	0.7488954466	0.395847963
## Entropy_cooc.H.PET	0.708032646	0.6778538514	0.355609668
## DAVE_cooc.H.PET	0.767563886	0.7422452735	0.422050014
## DVAR_cooc.H.PET	0.716964453	0.7039040632	0.429042060
## DENT_cooc.H.PET	0.708010993	0.7099749640	0.262331178
## SAVE_cooc.H.PET	0.839955016	0.7870417711	0.478991027
## SVAR_cooc.H.PET	0.739707505	0.7484275021	0.387863380
## SENT_cooc.H.PET	0.609681941	0.5775923861	0.628050900
## ASM_cooc.H.PET	0.180684697	0.1539075432	0.475365214
## Contrast_cooc.H.PET	0.673253129	0.6623491267	0.382205386
## Dissimilarity_cooc.H.PET	0.767563886	0.7422452735	0.422050014
## Inv_diff_cooc.H.PET	0.554612068	0.5012193743	0.488043340
## Inv_diff_norm_cooc.H.PET	0.859604457	0.8123142188	0.537090945
## IDM_cooc.H.PET	0.461829295	0.4100884165	0.450090082
## IDM_norm_cooc.H.PET	0.864334936	0.8177568628	0.530893631
## Inv_var_cooc.H.PET	0.470884570	0.4508361186	0.895587978
## Correlation_cooc.H.PET	0.604756778	0.5803078569	0.365440708
## Autocorrelation_cooc.H.PET	0.769965424	0.7084239091	0.481918724
## Tendency_cooc.H.PET	0.735823608	0.7286808115	0.367697802
## Shade_cooc.H.PET	-0.351976695	-0.3585008716	-0.189207973
## Prominence_cooc.H.PET	0.554010168	0.5781108229	0.242022985
## IC1_d.H.PET	-0.133023016	-0.1021784034	0.347344713
## IC2_d.H.PET	0.673205358	0.6377996548	0.420928062
## Coarseness_vdif.H.PET	0.322557265	0.3015901636	0.962490451
## Contrast_vdif.H.PET	0.166345020	0.1157169579	0.256872638
## Busyness_vdif.H.PET	0.156930533	0.2004406732	-0.295606825
## Complexity_vdif.H.PET	0.555614049	0.5077518009	0.677533617
## Strength_vdif.H.PET	-0.060946000	-0.0567230502	0.101483597
## SRE_align.H.PET	0.844488940	0.8057772492	0.509847326
## LRE_align.H.PET	0.547064621	0.4994922898	0.349468277
## RLNU_align.H.PET	0.271347535	0.2994161308	-0.006494801
## RP_align.H.PET	0.831559822	0.7944686798	0.503317427
## LGRE_align.H.PET	0.342332814	0.3326490088	0.966360824
## HGRE_align.H.PET	0.775708324	0.7181147442	0.480401296
## LGSRE_align.H.PET	0.339961127	0.3303008578	0.966223822
## HGSRE_align.H.PET	0.820429826	0.7610194231	0.488427593
## LGHRE_align.H.PET	0.356190196	0.3458045952	0.967176204
## HGLRE_align.H.PET	0.365971379	0.3309853431	0.257880272
## GLNU_norm_align.H.PET	0.399787697	0.3399678732	0.451465451
## RLNU_norm_align.H.PET	0.789406332	0.7572338621	0.474182024
## GLVAR_align.H.PET	0.724696897	0.7281293424	0.371369068
## RLVAR_align.H.PET	0.262294383	0.2242001584	0.215394810

## Entropy_align.H.PET	0.794588658	0.7831497180	0.398328962
## SZSE.H.PET	0.749184921	0.7285179657	0.444582498
## LZSE.H.PET	-0.027977090	-0.0407162632	-0.079132553
## LGLZE.H.PET	0.340336729	0.3318091034	0.964475536
## HGLZE.H.PET	0.768669839	0.7300547727	0.412337835
## SZLGE.H.PET	0.334225443	0.3255364171	0.964372978
## SZHGE.H.PET	0.726037599	0.6699464652	0.386537919
## LZLGE.H.PET	0.020266454	-0.0015775379	0.051933142
## LZHGE.H.PET	-0.038886283	-0.0504008268	-0.035517259
## GLNU_area.H.PET	0.335782438	0.3456130877	-0.006171150
## ZSNU.H.PET	0.219025610	0.2587362021	-0.025968413
## ZSP.H.PET	0.582005349	0.5729418863	0.319869733
## GLNU_norm.H.PET	0.419948180	0.3580790479	0.460179201
## ZSNU_norm.H.PET	0.631899167	0.6231708092	0.365311032
## GLVAR_area.H.PET	0.709545588	0.7210415834	0.354969266
## ZSVAR_H.PET	-0.034780046	-0.0505640961	-0.055542344
## Entropy_area.H.PET	0.837781071	0.8144368017	0.441823216
## Max_cooc.W.PET	0.218133514	0.1938692329	0.607547040
## Average_cooc.W.PET	0.425830392	0.4612614936	0.177740980
## Variance_cooc.W.PET	0.193131817	0.2096853344	0.085056870
## Entropy_cooc.W.PET	0.756485649	0.7444082674	0.367068280
## DAVE_cooc.W.PET	0.461500600	0.4638212121	0.206604412
## DVAR_cooc.W.PET	0.206619343	0.2244235014	0.079761067
## DENT_cooc.W.PET	0.734094555	0.7149372759	0.375832877
## SAVE_cooc.W.PET	0.425258705	0.4607303262	0.175792382
## SVAR_cooc.W.PET	0.176492312	0.1927350891	0.085307202
## SENT_cooc.W.PET	0.783567349	0.7570753087	0.485298394
## ASM_cooc.W.PET	0.255771255	0.2350683889	0.777982683
## Contrast_cooc.W.PET	0.219042447	0.2349512913	0.075584177
## Dissimilarity_cooc.W.PET	0.461500600	0.4638212121	0.206604412
## Inv_diff_cooc.W.PET	0.636427295	0.5819302895	0.513443380
## Inv_diff_norm_cooc.W.PET	0.861211139	0.8155750754	0.530411194
## IDM_cooc.W.PET	0.513018313	0.4604685137	0.466361126
## IDM_norm_cooc.W.PET	0.864653329	0.8199714371	0.527267681
## Inv_var_cooc.W.PET	0.583775388	0.5245657164	0.509112147
## Correlation_cooc.W.PET	0.585242262	0.5584219015	0.362370880
## Autocorrelation_cooc.W.PET	0.166899073	0.2220027531	0.046877695
## Tendency_cooc.W.PET	0.176492312	0.1927350891	0.085307202
## Shade_cooc.W.PET	0.041164775	0.0310299512	0.068530667
## Prominence_cooc.W.PET	0.006954413	0.0143809184	0.038174816
## IC1_d.W.PET	-0.130132065	-0.0828264368	0.410248954
## IC2_d.W.PET	0.713487165	0.6635301813	0.474354433
## Coarseness_vdif.W.PET	0.290264837	0.2371803776	0.808064450
## Contrast_vdif.W.PET	0.392789721	0.3741130784	0.293108054
## Busyness_vdif.W.PET	0.294675555	0.2953916343	-0.041034824
## Complexity_vdif.W.PET	0.107842551	0.1240430960	0.066810973
## Strength_vdif.W.PET	0.159998808	0.0588161956	0.190638682
## SRE_align.W.PET	0.861120837	0.8182509333	0.523123241
## LRE_align.W.PET	0.750754438	0.7012446914	0.465534124
## GLNU_align.W.PET	0.338238761	0.3237046714	-0.008014787
## RLNU_align.W.PET	0.279935291	0.3030689124	-0.006563928
## RP_align.W.PET	0.856765416	0.8149387099	0.519891347
## LGRE_align.W.PET	0.405897693	0.3326771526	0.431162064
## HGRE_align.W.PET	0.175086207	0.2303957060	0.041449024

## LGSRE_align.W.PET	0.441731148	0.3636806245	0.464253055
## HGSRE_align.W.PET	0.170784864	0.2250104652	0.039418272
## LGHRE_align.W.PET	0.256311990	0.2037539029	0.285723390
## HGLRE_align.W.PET	0.193065774	0.2524858394	0.049449946
## GLNU_norm_align.W.PET	0.390321544	0.3359703223	0.546124375
## RLNU_norm_align.W.PET	0.842562300	0.8026889845	0.506975348
## GLVAR_align.W.PET	0.192824482	0.2200691444	0.076748662
## RLVAR_align.W.PET	0.310272517	0.2732937266	0.353817334
## Entropy_align.W.PET	0.796277340	0.7833075530	0.398964910
## SZSE.W.PET	0.810975785	0.7763927476	0.503567178
## LZSE.W.PET	0.104207354	0.0726752440	0.098426532
## LGLZE.W.PET	0.439033576	0.3659488579	0.458924613
## HGLZE.W.PET	0.179418451	0.2303623367	0.043246059
## SZLGE.W.PET	0.508264917	0.4326481716	0.551024020
## SZHGE.W.PET	0.166120505	0.2129711963	0.037369603
## LZLGE.W.PET	-0.020527651	-0.0300821995	0.002537919
## LZHGE.W.PET	0.242469925	0.2884250831	0.100729791
## GLNU_area.W.PET	0.343322841	0.3401071188	-0.004788066
## ZSNU.W.PET	0.253596492	0.2844008250	-0.012849813
## ZSP.W.PET	0.753012762	0.7288272690	0.441729365
## GLNU_norm.W.PET	0.410263386	0.3540740711	0.564042991
## ZSNU_norm.W.PET	0.747251858	0.7205034583	0.447081034
## GLVAR_area.W.PET	0.197367437	0.2226387667	0.082749954
## ZSVAR.W.PET	0.028375022	-0.0006107057	0.058923889
## Entropy_area.W.PET	0.833488392	0.8129156396	0.427161332
## Min_hist.ADC	0.047966020	-0.0067966075	0.207131711
## Max_hist.ADC	0.802609873	0.7957349459	0.451615831
## Mean_hist.ADC	0.679980951	0.5914028944	0.433603478
## Variance_hist.ADC	0.401618622	0.4338087352	0.270979722
## Standard_Deviation_hist.ADC	0.639539224	0.6591160141	0.383402497
## Skewness_hist.ADC	0.218599490	0.3353086496	0.192296198
## Kurtosis_hist.ADC	0.391515983	0.2859991436	0.270330882
## Energy_hist.ADC	0.330050261	0.3107295970	0.965361970
## Entropy_hist.ADC	0.872812520	0.8489168291	0.448786923
## AUC_hist.ADC	0.868977926	0.8583582140	0.552172383
## Volume.ADC	0.326710723	0.3724493181	-0.053902640
## X3D_surface.ADC	0.524083724	0.5980785554	0.206625830
## ratio_3ds_vol.ADC	0.376556385	0.3059287624	0.473476282
## ratio_3ds_vol_norm.ADC	0.823952464	0.7714361744	0.454377433
## irregularity.ADC	0.779383271	0.7356561329	0.520373179
## Compactness_v1.ADC	0.561962364	0.5438235376	0.931435793
##	Average_cooc.L.ADC	Variance_cooc.L.ADC	
## Failure	-0.064180948	0.2276031466	
## Entropy_cooc.W.ADC	-0.003638295	-0.0948312291	
## GLNU_align.H.PET	-0.079868241	-0.1674984083	
## Min_hist.PET	0.467296788	0.2514183392	
## Max_hist.PET	0.447809249	0.2056786237	
## Mean_hist.PET	0.441613009	0.2346427074	
## Variance_hist.PET	0.165436750	0.0944048855	
## Standard_Deviation_hist.PET	0.433078355	0.2134420489	
## Skewness_hist.PET	0.508560869	0.2865630194	
## Kurtosis_hist.PET	0.127205014	0.0471115129	
## Energy_hist.PET	0.348115326	0.4125546100	
## Entropy_hist.PET	0.721266897	0.4627487268	

## AUC_hist.PET	0.837981453	0.5631777484
## H_suv.PET	0.456827738	0.2357312220
## Volume.PET	0.162297639	0.0407356831
## X3D_surface.PET	0.176281009	0.0630267797
## ratio_3ds_vol.PET	0.540747171	0.4587767559
## ratio_3ds_vol_norm.PET	0.474284667	0.3504888895
## irregularity.PET	0.846264330	0.6025943027
## tumor_length.PET	0.474207946	0.2640032864
## Compactness_v1.PET	0.399021172	0.4093434228
## Compactness_v2.PET	0.173275268	0.0382178854
## Spherical_disproportion.PET	0.474284667	0.3504888895
## Sphericity.PET	0.179752166	0.0229661274
## Asphericity.PET	0.455176544	0.3386914012
## Center_of_mass.PET	0.282060286	0.2021475939
## Max_3D_diam.PET	0.338805601	0.1404023753
## Major_axis_length.PET	0.357367455	0.2273998745
## Minor_axis_length.PET	0.511347301	0.2057234727
## Least_axis_length.PET	0.415909487	0.1321693624
## Elongation.PET	0.771934489	0.4081830615
## Flatness.PET	0.694638980	0.3342727634
## Max_cooc.L.PET	0.347583415	0.4049769769
## Average_cooc.L.PET	0.669778550	0.5644214026
## Variance_cooc.L.PET	0.583551137	0.5348812574
## Entropy_cooc.L.PET	0.817681922	0.5336479986
## DAVE_cooc.L.PET	0.691683272	0.5333738795
## DVAR_cooc.L.PET	0.641006418	0.4450787171
## DENT_cooc.L.PET	0.838673641	0.5786285694
## SAVE_cooc.L.PET	0.669678652	0.5641949893
## SVAR_cooc.L.PET	0.561129508	0.5492449756
## SENT_cooc.L.PET	0.829524768	0.5850460453
## ASM_cooc.L.PET	0.322157669	0.3813521935
## Contrast_cooc.L.PET	0.540564206	0.4399991629
## Dissimilarity_cooc.L.PET	0.691683272	0.5333738795
## Inv_diff_cooc.L.PET	0.697234398	0.4284298604
## Inv_diff_norm_cooc.L.PET	0.837068235	0.5462801508
## IDM_cooc.L.PET	0.617804726	0.3809203909
## IDM_norm_cooc.L.PET	0.842126444	0.5553103769
## Inv_var_cooc.L.PET	0.618513979	0.3821732069
## Correlation_cooc.L.PET	0.486059554	0.3598805270
## Autocorrelation_cooc.L.PET	0.476741800	0.5115405438
## Tendency_cooc.L.PET	0.561129508	0.5492449756
## Shade_cooc.L.PET	0.312199304	0.2644082932
## Prominence_cooc.L.PET	0.416966766	0.4773074080
## IC1_.L.PET	-0.399367972	-0.3992167043
## IC2_.L.PET	0.793763369	0.6273373574
## Coarseness_vdif_.L.PET	0.386300699	0.4834903963
## Contrast_vdif_.L.PET	0.314462217	0.2533396115
## Busyness_vdif_.L.PET	0.231794670	0.0249679534
## Complexity_vdif_.L.PET	0.694720858	0.4795518862
## Strength_vdif_.L.PET	0.347741974	0.3669136311
## SRE_align.L.PET	0.848465671	0.5714574122
## LRE_align.L.PET	0.842672947	0.5387921006
## GLNU_align.L.PET	0.190241852	0.0005529781
## RLNU_align.L.PET	0.163206940	0.0009011942

## RP_align.L.PET	0.849061103	0.5726544464
## LGRE_align.L.PET	0.570435680	0.3907543939
## HGRE_align.L.PET	0.503031863	0.5010608358
## LGSRE_align.L.PET	0.573609791	0.3953604289
## HGSRE_align.L.PET	0.502460170	0.5023430936
## LGHRE_align.L.PET	0.554118401	0.3697354478
## HGLRE_align.L.PET	0.504142532	0.4937477398
## GLNU_norm_align.L.PET	0.559379457	0.4787772745
## RLNU_norm_align.L.PET	0.849640747	0.5766135609
## GLVAR_align.L.PET	0.590163128	0.5345013142
## RLVAR_align.L.PET	0.491356599	0.3696109727
## Entropy_align.L.PET	0.821886558	0.5445976141
## SZSE.L.PET	0.816781070	0.5799180899
## LZSE.L.PET	0.623095377	0.2959837075
## LGLZE.L.PET	0.580927466	0.3934202391
## HGLZE.L.PET	0.514059414	0.5031276294
## SZLGE.L.PET	0.581868038	0.4093781885
## SZHGE.L.PET	0.504908643	0.5103152035
## LZLGE.L.PET	0.475332601	0.2755809691
## LZHGE.L.PET	0.439179088	0.3633539517
## GLNU_area.L.PET	0.188509274	0.0077903148
## ZSNU.L.PET	0.160367809	0.0102519288
## ZSP.L.PET	0.828032223	0.5878326851
## GLNU_norm.L.PET	0.558318133	0.4785097814
## ZSNU_norm.L.PET	0.836777861	0.5930187382
## GLVAR_area.L.PET	0.598428917	0.5366377692
## ZSVAR.L.PET	0.374190527	0.1234492135
## Entropy_area.L.PET	0.821541902	0.5326676350
## Max_cooc.H.PET	0.223006890	0.3562632866
## Average_cooc.H.PET	0.829616264	0.5963660418
## Variance_cooc.H.PET	0.724466623	0.4134843907
## Entropy_cooc.H.PET	0.723172327	0.4334749955
## DAVE_cooc.H.PET	0.781266047	0.4594588455
## DVAR_cooc.H.PET	0.728732223	0.4766304242
## DENT_cooc.H.PET	0.683990727	0.3732614630
## SAVE_cooc.H.PET	0.843233023	0.5988058678
## SVAR_cooc.H.PET	0.699982742	0.4412086654
## SENT_cooc.H.PET	0.610938087	0.3781495295
## ASM_cooc.H.PET	0.178900455	0.3671761223
## Contrast_cooc.H.PET	0.698119065	0.4139824246
## Dissimilarity_cooc.H.PET	0.781266047	0.4594588455
## Inv_diff_cooc.H.PET	0.524926778	0.5001765529
## Inv_diff_norm_cooc.H.PET	0.838563703	0.5727866795
## IDM_cooc.H.PET	0.434470262	0.4563265098
## IDM_norm_cooc.H.PET	0.845092859	0.5680033636
## Inv_var_cooc_.H.PET	0.462980501	0.4052481799
## Correlation_cooc.H.PET	0.497452394	0.3398536223
## Autocorrelation_cooc.H.PET	0.772703223	0.6028832342
## Tendency_cooc.H.PET	0.673916977	0.3762109805
## Shade_cooc.H.PET	-0.379992728	-0.2316853196
## Prominence_cooc.H.PET	0.487689160	0.2214887368
## IC1_d.H.PET	-0.084373544	-0.0282458367
## IC2_d.H.PET	0.631964157	0.4303190879
## Coarseness_vdif.H.PET	0.321967782	0.3920619504

## Contrast_vdif.H.PET	0.206096236	0.3820189518
## Busyness_vdif.H.PET	0.080107005	-0.0853899858
## Complexity_vdif.H.PET	0.611213089	0.4475940841
## Strength_vdif.H.PET	0.010061273	0.1251484014
## SRE_align.H.PET	0.840699596	0.5249051255
## LRE_align.H.PET	0.503932600	0.4600962042
## RLNU_align.H.PET	0.152282759	0.0194680328
## RP_align.H.PET	0.832829347	0.5186355147
## LGRE_align.H.PET	0.325651610	0.3897186471
## HGRE_align.H.PET	0.772074791	0.5890474408
## LGSRE_align.H.PET	0.323779211	0.3889587348
## HGSRE_align.H.PET	0.834354739	0.5762926594
## LGHRE_align.H.PET	0.335736921	0.3938191174
## HGLRE_align.H.PET	0.322933431	0.3665596602
## GLNU_norm_align.H.PET	0.403626472	0.4699136899
## RLNU_norm_align.H.PET	0.799226361	0.4756311590
## GLVAR_align.H.PET	0.692808963	0.3866931669
## RLVAR_align.H.PET	0.195908241	0.2455985808
## Entropy_align.H.PET	0.748669734	0.4265038039
## SZSE.H.PET	0.744287542	0.4256334216
## LZSE.H.PET	-0.056000084	0.0243229181
## LGLZE.H.PET	0.325086607	0.3905993315
## HGLZE.H.PET	0.758189721	0.5322815679
## SZLGE.H.PET	0.319688051	0.3888799550
## SZHGE.H.PET	0.761316502	0.4410053380
## LZLGE.H.PET	-0.014695625	0.0588482053
## LZHGE.H.PET	-0.060082416	0.0495046002
## GLNU_area.H.PET	0.202408589	0.0015913526
## ZSNU.H.PET	0.112492031	0.0442914818
## ZSP.H.PET	0.596726729	0.3202585315
## GLNU_norm.H.PET	0.410185387	0.4777625398
## ZSNU_norm.H.PET	0.643908782	0.3319515670
## GLVAR_area.H.PET	0.668052939	0.3697441955
## ZSVAR.H.PET	-0.059107642	0.0308095424
## Entropy_area.H.PET	0.784847639	0.4648078477
## Max_cooc.W.PET	0.239267561	0.3778381054
## Average_cooc.W.PET	0.402650085	0.2210855096
## Variance_cooc.W.PET	0.175602592	0.1030946362
## Entropy_cooc.W.PET	0.731949730	0.3940317764
## DAVE_cooc.W.PET	0.474732142	0.2381469164
## DVAR_cooc.W.PET	0.228879932	0.1203373033
## DENT_cooc.W.PET	0.735749448	0.3969652493
## SAVE_cooc.W.PET	0.402109591	0.2203670027
## SVAR_cooc.W.PET	0.144446149	0.0903896117
## SENT_cooc.W.PET	0.769966319	0.4485877927
## ASM_cooc.W.PET	0.250551753	0.4117675482
## Contrast_cooc.W.PET	0.241111310	0.1266821556
## Dissimilarity_cooc.W.PET	0.474732142	0.2381469164
## Inv_diff_cooc.W.PET	0.607283389	0.5292019329
## Inv_diff_norm_cooc.W.PET	0.837683562	0.5485622741
## IDM_cooc.W.PET	0.482289604	0.4790586740
## IDM_norm_cooc.W.PET	0.843023968	0.5558364151
## Inv_var_cooc.W.PET	0.552396935	0.5057839976
## Correlation_cooc.W.PET	0.485199568	0.3567125685

## Autocorrelation_cooc.W.PET	0.136996725	0.1026951845
## Tendency_cooc.W.PET	0.144446149	0.0903896117
## Shade_cooc.W.PET	0.010080684	0.0045381216
## Prominence_cooc.W.PET	-0.034238711	-0.0060167060
## IC1_d.W.PET	-0.129796933	-0.0535830654
## IC2_d.W.PET	0.714837658	0.5004113910
## Coarseness_vdif.W.PET	0.380010753	0.4824101053
## Contrast_vdif.W.PET	0.441937995	0.2898851466
## Busyness_vdif.W.PET	0.141657741	0.1649332551
## Complexity_vdif.W.PET	0.087331443	0.0485711559
## Strength_vdif.W.PET	0.268157017	0.2073290326
## SRE_align.W.PET	0.850955931	0.5496438508
## LRE_align.W.PET	0.709064791	0.5430626465
## GLNU_align.W.PET	0.210502050	-0.0181395978
## RLNU_align.W.PET	0.158678466	0.0100474385
## RP_align.W.PET	0.849499627	0.5448458843
## LGRE_align.W.PET	0.419910835	0.4278618377
## HGRE_align.W.PET	0.142644465	0.0917799634
## LGSRE_align.W.PET	0.459378619	0.4428049449
## HGSRE_align.W.PET	0.139680592	0.0910984385
## LGHRE_align.W.PET	0.253521982	0.3463361585
## HGLRE_align.W.PET	0.155067965	0.0932334057
## GLNU_norm_align.W.PET	0.399463119	0.4797057671
## RLNU_norm_align.W.PET	0.841189518	0.5219303095
## GLVAR_align.W.PET	0.165703425	0.0929174313
## RLVAR_align.W.PET	0.244277608	0.3171767120
## Entropy_align.W.PET	0.756227668	0.4270411869
## SZSE.W.PET	0.810542332	0.5117523909
## LZSE.W.PET	0.082104159	0.1594394788
## LGLZE.W.PET	0.432790507	0.4268826108
## HGLZE.W.PET	0.148818222	0.0937908337
## SZLGE.W.PET	0.509857013	0.4492377389
## SZHGE.W.PET	0.140308330	0.0962513276
## LZLGE.W.PET	-0.028317557	0.1157977018
## LZHGE.W.PET	0.201415587	0.0543538976
## GLNU_area.W.PET	0.212768455	-0.0072453848
## ZSNU.W.PET	0.140264179	0.0301921779
## ZSP.W.PET	0.762506749	0.4506893585
## GLNU_norm.W.PET	0.410453650	0.4930788148
## ZSNU_norm.W.PET	0.772891868	0.4386574511
## GLVAR_area.W.PET	0.170564612	0.0920968384
## ZSVAR.W.PET	0.012131094	0.1029049371
## Entropy_area.W.PET	0.781373368	0.4591650180
## Min_hist.ADC	0.245270207	0.5677535529
## Max_hist.ADC	0.706547760	0.3865877168
## Mean_hist.ADC	0.885110471	0.5348135805
## Variance_hist.ADC	0.321637229	0.3980265461
## Standard_Deviation_hist.ADC	0.575134787	0.5111979785
## Skewness_hist.ADC	-0.213310505	0.1085873120
## Kurtosis_hist.ADC	0.242681561	-0.2968320125
## Energy_hist.ADC	0.328900275	0.4350158886
## Entropy_hist.ADC	0.796583393	0.4112393649
## AUC_hist.ADC	0.761189072	0.5142850185
## Volume.ADC	0.156580533	0.0201052195

## X3D_surface.ADC	0.219300462	-0.0719869092	
## ratio_3ds_vol.ADC	0.613078754	0.7565528373	
## ratio_3ds_vol_norm.ADC	0.797088343	0.4631039166	
## irregularity.ADC	0.814670061	0.6660801483	
## Compactness_v1.ADC	0.541104678	0.5278460925	
##	Entropy_cooc.L.ADC	DAVE_cooc.L.ADC	DVAR_cooc.L.ADC
## Failure	0.0003803249	0.158079426	0.240393085
## Entropy_cooc.W.ADC	0.0384070222	-0.097556299	-0.110683098
## GLNU_align.H.PET	-0.0557058100	-0.174544008	-0.198442967
## Min_hist.PET	0.5433890672	0.400203126	0.250019645
## Max_hist.PET	0.5452270590	0.346989744	0.193844714
## Mean_hist.PET	0.5378011618	0.385421223	0.237986903
## Variance_hist.PET	0.2656638703	0.174077189	0.100439544
## Standard_Deviation_hist.PET	0.5310356348	0.351583183	0.215150911
## Skewness_hist.PET	0.5263535735	0.347676244	0.251814993
## Kurtosis_hist.PET	0.1476686900	0.016887158	-0.010140757
## Energy_hist.PET	0.4193578007	0.454582458	0.437358278
## Entropy_hist.PET	0.8682968024	0.598619091	0.418885094
## AUC_hist.PET	0.9767374379	0.745003141	0.545339969
## H_suv.PET	0.5412405568	0.371806956	0.249412591
## Volume.PET	0.3131380925	0.084384917	-0.023990813
## X3D_surface.PET	0.2226780226	0.071113205	0.013525292
## ratio_3ds_vol.PET	0.5589396965	0.561148759	0.515967452
## ratio_3ds_vol_norm.PET	0.5547107452	0.436582198	0.370526817
## irregularity.PET	0.9615326823	0.778789025	0.595834958
## tumor_length.PET	0.5875472774	0.339465478	0.216458139
## Compactness_v1.PET	0.5215628600	0.476026020	0.413690882
## Compactness_v2.PET	0.2351205246	0.122160312	0.017863250
## Spherical_disproportion.PET	0.5547107452	0.436582198	0.370526817
## Sphericity.PET	0.2378400057	0.102778504	-0.012635010
## Asphericity.PET	0.5327465693	0.420098912	0.359539738
## Center_of_mass.PET	0.3653766686	0.207802920	0.156937023
## Max_3D_diam.PET	0.4610098003	0.240823905	0.093671434
## Major_axis_length.PET	0.5105205488	0.324742378	0.191557082
## Minor_axis_length.PET	0.6340401963	0.328528707	0.156336444
## Least_axis_length.PET	0.5374387517	0.242114963	0.065389599
## Elongation.PET	0.8272094378	0.599619217	0.413310864
## Flatness.PET	0.7674798444	0.516301418	0.298011138
## Max_cooc.L.PET	0.4415325689	0.442194331	0.418013166
## Average_cooc.L.PET	0.8064370005	0.725466317	0.584502975
## Variance_cooc.L.PET	0.6454751782	0.646584053	0.556299955
## Entropy_cooc.L.PET	0.9632580128	0.724715426	0.522916321
## DAVE_cooc.L.PET	0.7489685287	0.690167734	0.563315915
## DVAR_cooc.L.PET	0.6513955811	0.592657054	0.481053034
## DENT_cooc.L.PET	0.9564257130	0.768078690	0.580153108
## SAVE_cooc.L.PET	0.8062836360	0.725268446	0.584263837
## SVAR_cooc.L.PET	0.6568677668	0.645382951	0.555394180
## SENT_cooc.L.PET	0.9588646713	0.769202194	0.586280464
## ASM_cooc.L.PET	0.4110194424	0.414650007	0.396509214
## Contrast_cooc.L.PET	0.5404274857	0.561385338	0.482781798
## Dissimilarity_cooc.L.PET	0.7489685287	0.690167734	0.563315915
## Inv_diff_cooc.L.PET	0.8325747785	0.572239976	0.389477392
## Inv_diff_norm_cooc.L.PET	0.9774932894	0.732312852	0.527314056
## IDM_cooc.L.PET	0.7415725487	0.500134196	0.339058317

## IDM_norm_cooc.L.PET	0.9814946135	0.742958023	0.539050902
## Inv_var_cooc.L.PET	0.7451792350	0.497623598	0.339831964
## Correlation_cooc.L.PET	0.6498054136	0.448958612	0.312275012
## Autocorrelation_cooc.L.PET	0.6066524671	0.619427051	0.537078698
## Tendency_cooc.L.PET	0.6568677668	0.645382951	0.555394180
## Shade_cooc.L.PET	0.3281224574	0.280422611	0.252872165
## Prominence_cooc.L.PET	0.4683553916	0.519102413	0.485083275
## IC1_.L.PET	-0.3865734133	-0.493490938	-0.440993988
## IC2_.L.PET	0.8942391573	0.800791175	0.650747975
## Coarseness_vdif_.L.PET	0.4634121975	0.535733569	0.520988055
## Contrast_vdif_.L.PET	0.2354685363	0.329820412	0.290474291
## Busyness_vdif_.L.PET	0.2935655168	0.049264268	-0.050157749
## Complexity_vdif_.L.PET	0.7045657534	0.639841679	0.514808636
## Strength_vdif_.L.PET	0.3133120580	0.420019164	0.391843075
## SRE_align.L.PET	0.9833847654	0.759991078	0.560116071
## LRE_align.L.PET	0.9744189767	0.729582954	0.521683806
## GLNU_align.L.PET	0.2438717910	0.031898735	-0.059455305
## RLNU_align.L.PET	0.2245856690	0.039535441	-0.047503494
## RP_align.L.PET	0.9832546516	0.761483735	0.562044242
## LGRE_align.L.PET	0.6100016073	0.469795452	0.362435402
## HGRE_align.L.PET	0.6243970819	0.628919880	0.539483615
## LGSRE_align.L.PET	0.6144202230	0.475730689	0.368389614
## HGSRE_align.L.PET	0.6229784658	0.629511446	0.541267774
## LGHRE_align.L.PET	0.5890529903	0.443850990	0.336865334
## HGLRE_align.L.PET	0.6281912646	0.624253228	0.530266522
## GLNU_norm_align.L.PET	0.6544083154	0.556978482	0.467240496
## RLNU_norm_align.L.PET	0.9819513443	0.765962346	0.568537237
## GLVAR_align.L.PET	0.6698288102	0.657174108	0.558535471
## RLVAR_align.L.PET	0.6110420149	0.456526893	0.349496666
## Entropy_align.L.PET	0.9681906831	0.738492936	0.536920154
## SZSE.L.PET	0.9638221335	0.752627467	0.563119170
## LZSE.L.PET	0.6711512669	0.463073079	0.296270994
## LGLZE.L.PET	0.6203097963	0.477503476	0.368097090
## HGLZE.L.PET	0.6338541334	0.632865147	0.540874072
## SZLGE.L.PET	0.6293086900	0.494427734	0.387349544
## SZHGE.L.PET	0.6305105033	0.629318315	0.541915250
## LZLGE.L.PET	0.4925218929	0.337899398	0.239142392
## LZHGE.L.PET	0.5119115198	0.506495203	0.415022518
## GLNU_area.L.PET	0.2470225414	0.037317867	-0.053707746
## ZSNU.L.PET	0.2278698061	0.046049500	-0.040519139
## ZSP.L.PET	0.9710227983	0.764844669	0.574532648
## GLNU_norm.L.PET	0.6545826861	0.557143852	0.467176054
## ZSNU_norm.L.PET	0.9732799173	0.775094737	0.584768822
## GLVAR_area.L.PET	0.6799117771	0.662693679	0.562659847
## ZSVAR.L.PET	0.4195856543	0.219452498	0.102924431
## Entropy_area.L.PET	0.9672165297	0.726790178	0.522744930
## Max_cooc.H.PET	0.3141307653	0.356698368	0.345783185
## Average_cooc.H.PET	0.9640899441	0.764889167	0.576155468
## Variance_cooc.H.PET	0.8376826354	0.612370919	0.421497289
## Entropy_cooc.H.PET	0.8173996442	0.625674607	0.440664309
## DAVE_cooc.H.PET	0.8601056932	0.658528375	0.475223959
## DVAR_cooc.H.PET	0.8391792346	0.659811240	0.495125208
## DENT_cooc.H.PET	0.7762982577	0.528319551	0.344815166
## SAVE_cooc.H.PET	0.9712250794	0.759085331	0.572281211

## SVAR_cooc.H.PET	0.8439628098	0.601873886	0.410348655
## SENT_cooc.H.PET	0.6719786034	0.518827944	0.400508950
## ASM_cooc.H.PET	0.2926804015	0.356344476	0.357126949
## Contrast_cooc.H.PET	0.7654070278	0.601678943	0.442283163
## Dissimilarity_cooc.H.PET	0.8601056932	0.658528375	0.475223959
## Inv_diff_cooc.H.PET	0.6707897541	0.578231280	0.473876034
## Inv_diff_norm_cooc.H.PET	0.9807299815	0.755036488	0.555590128
## IDM_cooc.H.PET	0.5686426546	0.510208210	0.431515095
## IDM_norm_cooc.H.PET	0.9830160954	0.753962819	0.552297366
## Inv_var_cooc.H.PET	0.5656101218	0.485747519	0.424307729
## Correlation_cooc.H.PET	0.6566127639	0.448537389	0.295941528
## Autocorrelation_cooc.H.PET	0.9109861072	0.744994052	0.575671398
## Tendency_cooc.H.PET	0.8018121971	0.563365762	0.372546192
## Shade_cooc.H.PET	-0.4156674046	-0.335093289	-0.231925351
## Prominence_cooc.H.PET	0.5893149652	0.383592682	0.221657559
## IC1_d.H.PET	-0.1292757516	-0.062143056	0.003947839
## IC2_d.H.PET	0.7725468014	0.567518162	0.399499526
## Coarseness_vdif.H.PET	0.4051274967	0.425484191	0.410575307
## Contrast_vdif.H.PET	0.2997991037	0.409457675	0.423542529
## Busyness_vdif.H.PET	0.0993694062	-0.089521509	-0.163082364
## Complexity_vdif.H.PET	0.6445840157	0.580397592	0.496702246
## Strength_vdif.H.PET	0.0181970839	0.109588508	0.116500543
## SRE_align.H.PET	0.9554022199	0.722251792	0.519860901
## LRE_align.H.PET	0.6384345703	0.529507545	0.426998806
## RLNU_align.H.PET	0.2272041867	0.058130232	-0.022456044
## RP_align.H.PET	0.9441944892	0.716586682	0.515996453
## LGRE_align.H.PET	0.4300160367	0.430074298	0.406143116
## HGRE_align.H.PET	0.9143625206	0.743005719	0.570596410
## LGSRE_align.H.PET	0.4275995061	0.428654687	0.405502438
## HGSRE_align.H.PET	0.9562331943	0.757402002	0.567489172
## LGHRE_align.H.PET	0.4428693458	0.437451572	0.409482764
## HGLRE_align.H.PET	0.4403296156	0.393720535	0.334755305
## GLNU_norm_align.H.PET	0.5141874182	0.505095750	0.449909581
## RLNU_norm_align.H.PET	0.8933138308	0.672219180	0.479420338
## GLVAR_align.H.PET	0.8056600909	0.579318595	0.392603550
## RLVAR_align.H.PET	0.2837187551	0.243128779	0.214292668
## Entropy_align.H.PET	0.8845544271	0.620094756	0.414584219
## SZSE.H.PET	0.8427560104	0.600776071	0.414898988
## LZSE.H.PET	-0.0429902809	-0.025468751	-0.009877852
## LGLZE.H.PET	0.4311966846	0.430914232	0.406460638
## HGLZE.H.PET	0.8701951444	0.645270970	0.475880767
## SZLGE.H.PET	0.4249887966	0.426783651	0.404510812
## SZHGE.H.PET	0.8298151016	0.597413173	0.416947075
## LZLGE.H.PET	0.0154569041	0.028128405	0.038361913
## LZHGE.H.PET	-0.0395432887	-0.001691507	0.024076724
## GLNU_area.H.PET	0.2539099796	0.031348752	-0.065443332
## ZSNU.H.PET	0.2073677729	0.080483680	0.012691504
## ZSP.H.PET	0.6633820526	0.466987985	0.316326030
## GLNU_norm.H.PET	0.5233961777	0.523862772	0.469291074
## ZSNU_norm.H.PET	0.7150806332	0.500004232	0.330212468
## GLVAR_area.H.PET	0.7875084729	0.557512207	0.372274364
## ZSVAR.H.PET	-0.0415733686	-0.017706904	0.004174122
## Entropy_area.H.PET	0.9279691779	0.653602615	0.445606329
## Max_cooc.W.PET	0.3384115429	0.390459083	0.379080729

## Average_cooc.W.PET	0.5244341621	0.363700414	0.227684006
## Variance_cooc.W.PET	0.2662092027	0.175860260	0.103545035
## Entropy_cooc.W.PET	0.8418522035	0.588505018	0.389498450
## DAVE_cooc.W.PET	0.5450314139	0.386320721	0.250973085
## DVAR_cooc.W.PET	0.2987078262	0.214716392	0.134435070
## DENT_cooc.W.PET	0.8269759791	0.587328939	0.395477939
## SAVE_cooc.W.PET	0.5237369069	0.362949619	0.226931872
## SVAR_cooc.W.PET	0.2412236476	0.149857127	0.084187504
## SENT_cooc.W.PET	0.8784458622	0.636840838	0.444972708
## ASM_cooc.W.PET	0.3658953435	0.418752179	0.415037847
## Contrast_cooc.W.PET	0.3073556078	0.227728929	0.144489300
## Dissimilarity_cooc.W.PET	0.5450314139	0.386320721	0.250973085
## Inv_diff_cooc.W.PET	0.7466560340	0.630945162	0.506452518
## Inv_diff_norm_cooc.W.PET	0.9779217842	0.734635974	0.530012512
## IDM_cooc.W.PET	0.6168967166	0.546776519	0.456329090
## IDM_norm_cooc.W.PET	0.9816401444	0.743809157	0.539935401
## Inv_var_cooc.W.PET	0.6834945050	0.590059344	0.486960688
## Correlation_cooc.W.PET	0.6492097902	0.445585825	0.308124447
## Autocorrelation_cooc.W.PET	0.2679857909	0.189950016	0.115842390
## Tendency_cooc.W.PET	0.2412236476	0.149857127	0.084187504
## Shade_cooc.W.PET	0.0439202618	0.005152664	-0.006348787
## Prominence_cooc.W.PET	0.0146598397	-0.001748117	-0.004305320
## IC1_d.W.PET	-0.1533552916	-0.092452518	-0.024512777
## IC2_d.W.PET	0.8385133361	0.652015364	0.482869986
## Coarseness_vdif.W.PET	0.4384022398	0.542118374	0.527709821
## Contrast_vdif.W.PET	0.4789574998	0.411328175	0.310580072
## Busyness_vdif.W.PET	0.2311863887	0.135063092	0.082621194
## Complexity_vdif.W.PET	0.1731797459	0.104259160	0.051095753
## Strength_vdif.W.PET	0.2656124449	0.212107955	0.163102271
## SRE_align.W.PET	0.9761096643	0.743702922	0.540579012
## LRE_align.W.PET	0.8579879266	0.681276156	0.518584190
## GLNU_align.W.PET	0.2453557746	0.007293542	-0.094789594
## RLNU_align.W.PET	0.2259790802	0.048714446	-0.034774244
## RP_align.W.PET	0.9719038276	0.740299507	0.537107795
## LGRE_align.W.PET	0.4957322286	0.465227304	0.402834705
## HGRE_align.W.PET	0.2685839068	0.188080640	0.110984507
## LGSRE_align.W.PET	0.5297925071	0.489177310	0.419788354
## HGSRE_align.W.PET	0.2645653428	0.186502710	0.110812188
## LGHRE_align.W.PET	0.3395585684	0.345140716	0.312928633
## HGLRE_align.W.PET	0.2842059575	0.193458486	0.110634519
## GLNU_norm_align.W.PET	0.5111475379	0.512535657	0.463854787
## RLNU_norm_align.W.PET	0.9519709420	0.719825105	0.518594898
## GLVAR_align.W.PET	0.2653691871	0.173095402	0.099271595
## RLVAR_align.W.PET	0.3552803520	0.324248852	0.290827235
## Entropy_align.W.PET	0.8864738987	0.624289792	0.417697225
## SZSE.W.PET	0.9280873673	0.694640445	0.501124602
## LZSE.W.PET	0.1287794007	0.153116830	0.154903952
## LGLZE.W.PET	0.5166313968	0.472872917	0.406951683
## HGLZE.W.PET	0.2720967520	0.189782317	0.111290807
## SZLGE.W.PET	0.5856817524	0.514501181	0.438304107
## SZHGE.W.PET	0.2619126281	0.186568621	0.111363223
## LZLGE.W.PET	0.0120408849	0.065400100	0.080225453
## LZHGE.W.PET	0.2869624135	0.178468012	0.091381701
## GLNU_area.W.PET	0.2564547638	0.019483447	-0.082344191

## ZSNU.W.PET	0.2199600627	0.065370760	-0.009966646
## ZSP.W.PET	0.8598656666	0.629657419	0.441144749
## GLNU_norm.W.PET	0.5313388618	0.534440155	0.484990734
## ZSNU_norm.W.PET	0.8543113636	0.627349517	0.440275445
## GLVAR_area.W.PET	0.2683482913	0.173449525	0.098810344
## ZSVAR.W.PET	0.0418767966	0.076713557	0.098827885
## Entropy_area.W.PET	0.9217651396	0.653657812	0.443261441
## Min_hist.ADC	0.3561125549	0.591108259	0.606324782
## Max_hist.ADC	0.8505940561	0.502416040	0.327117275
## Mean_hist.ADC	0.8572432261	0.678030037	0.529307049
## Variance_hist.ADC	0.4868261667	0.285126671	0.263927489
## Standard_Deviation_hist.ADC	0.7480441455	0.500000738	0.400145581
## Skewness_hist.ADC	0.1748893744	0.118574950	0.105210221
## Kurtosis_hist.ADC	0.1479426681	-0.075484150	-0.109277160
## Energy_hist.ADC	0.4225467494	0.471388591	0.465608039
## Entropy_hist.ADC	0.9409827948	0.586642710	0.351460935
## AUC_hist.ADC	0.9447191552	0.688297630	0.489946683
## Volume.ADC	0.2991518231	0.062967741	-0.045478190
## X3D_surface.ADC	0.3758803166	-0.046386912	-0.179925296
## ratio_3ds_vol.ADC	0.6606321050	0.878513495	0.844234308
## ratio_3ds_vol_norm.ADC	0.9175642231	0.634087954	0.436639064
## irregularity.ADC	0.9474591136	0.847813621	0.685428201
## Compactness_v1.ADC	0.6647845875	0.620996918	0.539373909
##	DENT_cooc.L.ADC	SAVE_cooc.L.ADC	SVAR_cooc.L.ADC
## Failure	0.05285941	-0.064243148	0.210197242
## Entropy_cooc.W.ADC	-0.01201071	-0.003619899	-0.070068893
## GLNU_align.H.PET	-0.09729218	-0.079941473	-0.141089079
## Min_hist.PET	0.51917320	0.467338522	0.236715308
## Max_hist.PET	0.50834207	0.447831243	0.203016678
## Mean_hist.PET	0.51286938	0.441650694	0.219866254
## Variance_hist.PET	0.24943572	0.165452858	0.088461591
## Standard_Deviation_hist.PET	0.50387144	0.433076033	0.206395754
## Skewness_hist.PET	0.50150170	0.508441030	0.304705014
## Kurtosis_hist.PET	0.11108630	0.127106004	0.082999475
## Energy_hist.PET	0.45841829	0.347310770	0.389187795
## Entropy_hist.PET	0.82708591	0.721229777	0.474586562
## AUC_hist.PET	0.95981377	0.837783710	0.553076671
## H_suv.PET	0.52449888	0.456738866	0.225055935
## Volume.PET	0.25819267	0.162495897	0.072811135
## X3D_surface.PET	0.17854727	0.176235276	0.089975654
## ratio_3ds_vol.PET	0.59894762	0.540323862	0.422563953
## ratio_3ds_vol_norm.PET	0.55730421	0.473841860	0.342622737
## irregularity.PET	0.95690785	0.846101615	0.584938448
## tumor_length.PET	0.53993514	0.474055938	0.289007538
## Compactness_v1.PET	0.53950865	0.398293652	0.394286522
## Compactness_v2.PET	0.20633759	0.173574447	0.034761688
## Spherical_disproportion.PET	0.55730421	0.473841860	0.342622737
## Sphericity.PET	0.20222637	0.180189085	0.026607479
## Asphericity.PET	0.53596548	0.454729408	0.331094178
## Center_of_mass.PET	0.33303515	0.281993620	0.228260980
## Max_3D_diam.PET	0.41088519	0.339063053	0.153667142
## Major_axis_length.PET	0.47184360	0.357504248	0.233506361
## Minor_axis_length.PET	0.57455295	0.511375591	0.227429085
## Least_axis_length.PET	0.47277994	0.416021229	0.158972881

## Elongation.PET	0.80871887	0.771716958	0.393401019
## Flatness.PET	0.73333890	0.694494987	0.333130408
## Max_cooc.L.PET	0.47125647	0.346768178	0.390221516
## Average_cooc.L.PET	0.82560359	0.669657373	0.527330900
## Variance_cooc.L.PET	0.68409019	0.583438479	0.498395388
## Entropy_cooc.L.PET	0.94428724	0.817589829	0.521505142
## DAVE_cooc.L.PET	0.77575133	0.691562750	0.493851845
## DVAR_cooc.L.PET	0.67547342	0.640834136	0.407369409
## DENT_cooc.L.PET	0.95284878	0.838551181	0.556522625
## SAVE_cooc.L.PET	0.82542070	0.669558451	0.527107560
## SVAR_cooc.L.PET	0.69103834	0.561027170	0.521276049
## SENT_cooc.L.PET	0.95615348	0.829322480	0.565261161
## ASM_cooc.L.PET	0.44032674	0.321329304	0.366873772
## Contrast_cooc.L.PET	0.58089695	0.540450572	0.394899777
## Dissimilarity_cooc.L.PET	0.77575133	0.691562750	0.493851845
## Inv_diff_cooc.L.PET	0.79674700	0.696953700	0.437345846
## Inv_diff_norm_cooc.L.PET	0.95573268	0.836908970	0.537897652
## IDM_cooc.L.PET	0.70653079	0.617448473	0.393678663
## IDM_norm_cooc.L.PET	0.96223653	0.841970373	0.544917265
## Inv_var_cooc.L.PET	0.70892191	0.618160378	0.396689602
## Correlation_cooc.L.PET	0.62099087	0.485930241	0.375157898
## Autocorrelation_cooc.L.PET	0.64225359	0.476617132	0.470549922
## Tendency_cooc.L.PET	0.69103834	0.561027170	0.521276049
## Shade_cooc.L.PET	0.33731791	0.312195392	0.273594885
## Prominence_cooc.L.PET	0.51230706	0.416879628	0.453812180
## IC1_.L.PET	-0.43688266	-0.399547426	-0.349235025
## IC2_.L.PET	0.91631147	0.793528952	0.591392821
## Coarseness_vdif_.L.PET	0.51519113	0.385566986	0.449134457
## Contrast_vdif_.L.PET	0.27760724	0.314357750	0.211047442
## Busyness_vdif_.L.PET	0.23192988	0.231908316	0.064904067
## Complexity_vdif_.L.PET	0.72829702	0.694539916	0.441283157
## Strength_vdif_.L.PET	0.36047761	0.347572625	0.331710117
## SRE_align.L.PET	0.96927164	0.848304751	0.557383108
## LRE_align.L.PET	0.95295740	0.842527924	0.529012934
## GLNU_align.L.PET	0.18776844	0.190333280	0.032354307
## RLNU_align.L.PET	0.17487154	0.163341068	0.025291446
## RP_align.L.PET	0.96969675	0.848900147	0.558144921
## LGRE_align.L.PET	0.60206184	0.569998409	0.396161466
## HGRE_align.L.PET	0.66028214	0.502903362	0.454967459
## LGSRE_align.L.PET	0.60738038	0.573163687	0.399937914
## HGSRE_align.L.PET	0.65943879	0.502330232	0.455989691
## LGHRE_align.L.PET	0.57767893	0.553716518	0.378072328
## HGLRE_align.L.PET	0.66160766	0.504020631	0.448822283
## GLNU_norm_align.L.PET	0.66233898	0.558717275	0.472848617
## RLNU_norm_align.L.PET	0.97035334	0.849478499	0.560672485
## GLVAR_align.L.PET	0.70537101	0.590046976	0.496246327
## RLVAR_align.L.PET	0.59964592	0.490746426	0.372808703
## Entropy_align.L.PET	0.95206797	0.821782692	0.529639773
## SZSE.L.PET	0.95104880	0.816605583	0.567903343
## LZSE.L.PET	0.64862459	0.623035279	0.287598814
## LGLZE.L.PET	0.61238803	0.580481585	0.397243446
## HGLZE.L.PET	0.66876303	0.513932065	0.457825718
## SZLGE.L.PET	0.62414953	0.581393142	0.410602537
## SZHGE.L.PET	0.66434705	0.504771815	0.468407699

## LZLGE.L.PET	0.47326845	0.475036572	0.290465991
## LZHGE.L.PET	0.54221922	0.439111985	0.316050956
## GLNU_area.L.PET	0.19108429	0.188606598	0.039680663
## ZSNU.L.PET	0.17840294	0.160510333	0.034896637
## ZSP.L.PET	0.96031124	0.827862174	0.573592309
## GLNU_norm.L.PET	0.66249441	0.557652099	0.472459603
## ZSNU_norm.L.PET	0.96555195	0.836609116	0.575765801
## GLVAR_area.L.PET	0.71512360	0.598308006	0.498095340
## ZSVAR.L.PET	0.38670713	0.373997671	0.135200763
## Entropy_area.L.PET	0.94811255	0.821440402	0.519873949
## Max_cooc.H.PET	0.34451764	0.222704985	0.350056583
## Average_cooc.H.PET	0.95508278	0.829477982	0.584680002
## Variance_cooc.H.PET	0.81563517	0.724395298	0.394103496
## Entropy_cooc.H.PET	0.80628635	0.723146866	0.411266785
## DAVE_cooc.H.PET	0.84787612	0.781180318	0.434480810
## DVAR_cooc.H.PET	0.83146528	0.728620475	0.451019017
## DENT_cooc.H.PET	0.73142284	0.684012726	0.373107701
## SAVE_cooc.H.PET	0.95761671	0.843115965	0.591354280
## SVAR_cooc.H.PET	0.80720261	0.699896429	0.440301452
## SENT_cooc.H.PET	0.66703856	0.610573957	0.363433227
## ASM_cooc.H.PET	0.33054488	0.178499468	0.359731722
## Contrast_cooc.H.PET	0.76047225	0.698034933	0.383782959
## Dissimilarity_cooc.H.PET	0.84787612	0.781180318	0.434480810
## Inv_diff_cooc.H.PET	0.67843784	0.524665170	0.496884472
## Inv_diff_norm_cooc.H.PET	0.96533563	0.838393723	0.561870843
## IDM_cooc.H.PET	0.58121447	0.434205544	0.453731215
## IDM_norm_cooc.H.PET	0.96681904	0.844931669	0.556391607
## Inv_var_cooc.H.PET	0.57740451	0.462297607	0.392465635
## Correlation_cooc.H.PET	0.62551101	0.497325018	0.351221933
## Autocorrelation_cooc.H.PET	0.90843334	0.772550137	0.593615852
## Tendency_cooc.H.PET	0.77248621	0.673859072	0.364408137
## Shade_cooc.H.PET	-0.40785442	-0.379949758	-0.214297660
## Prominence_cooc.H.PET	0.55722343	0.487678179	0.211395558
## IC1_d.H.PET	-0.11094721	-0.084755570	-0.037880771
## IC2_d.H.PET	0.74953628	0.631829868	0.431594332
## Coarseness_vdif.H.PET	0.43987561	0.321143333	0.374535629
## Contrast_vdif.H.PET	0.34740401	0.205916725	0.343091512
## Busyness_vdif.H.PET	0.05246325	0.080503933	-0.045117190
## Complexity_vdif.H.PET	0.66607064	0.610777630	0.414795625
## Strength_vdif.H.PET	0.05433391	0.009962010	0.117313389
## SRE_align.H.PET	0.93719978	0.840557449	0.509405108
## LRE_align.H.PET	0.63820322	0.503800974	0.462325530
## RLNU_align.H.PET	0.18105135	0.152402750	0.039633815
## RP_align.H.PET	0.92688537	0.832689266	0.501711046
## LGRE_align.H.PET	0.45826951	0.324828827	0.373736001
## HGRE_align.H.PET	0.91167006	0.771926431	0.577025658
## LGSRE_align.H.PET	0.45604697	0.322955660	0.372960189
## HGSRE_align.H.PET	0.94813157	0.834225265	0.560493607
## LGHRE_align.H.PET	0.47010943	0.334918129	0.378057715
## HGLRE_align.H.PET	0.44908914	0.322812829	0.369899630
## GLNU_norm_align.H.PET	0.53953550	0.403338868	0.462805449
## RLNU_norm_align.H.PET	0.87568660	0.799100453	0.457275356
## GLVAR_align.H.PET	0.78076787	0.692748918	0.369482764
## RLVAR_align.H.PET	0.28665870	0.195777438	0.256555037

## Entropy_align.H.PET	0.85192496	0.748611952	0.419224451
## SZSE.H.PET	0.81348928	0.744171951	0.418807515
## LZSE.H.PET	-0.04609375	-0.055956722	0.039421620
## LGLZE.H.PET	0.45918978	0.324265338	0.374786407
## HGLZE.H.PET	0.84362072	0.758094227	0.545691051
## SZLGE.H.PET	0.45325431	0.318864365	0.373372691
## SZHGE.H.PET	0.80061234	0.761252725	0.441344436
## LZLGE.H.PET	0.01513763	-0.014764993	0.067572999
## LZHGE.H.PET	-0.03355985	-0.060078518	0.059772944
## GLNU_area.H.PET	0.19603723	0.202558243	0.036349325
## ZSNU.H.PET	0.16938438	0.112606707	0.056153862
## ZSP.H.PET	0.63764452	0.596667761	0.312541396
## GLNU_norm.H.PET	0.55292232	0.409894926	0.463404140
## ZSNU_norm.H.PET	0.68659935	0.643822622	0.322863862
## GLVAR_area.H.PET	0.75986703	0.667995766	0.355804004
## ZSVAR.H.PET	-0.04218896	-0.059086674	0.042904795
## Entropy_area.H.PET	0.89606622	0.784763509	0.460903569
## Max_cooc.W.PET	0.37680855	0.238760082	0.364944665
## Average_cooc.W.PET	0.50060952	0.402664331	0.208505164
## Variance_cooc.W.PET	0.25018332	0.175613196	0.099673870
## Entropy_cooc.W.PET	0.81065125	0.731912956	0.383625871
## DAVE_cooc.W.PET	0.52631163	0.474737181	0.223417108
## DVAR_cooc.W.PET	0.28759114	0.228908461	0.108679763
## DENT_cooc.W.PET	0.79957057	0.735700362	0.385124583
## SAVE_cooc.W.PET	0.49984461	0.402125552	0.207814614
## SVAR_cooc.W.PET	0.22306481	0.144448083	0.091402466
## SENT_cooc.W.PET	0.85431746	0.769824695	0.438161965
## ASM_cooc.W.PET	0.40750936	0.249882406	0.398750208
## Contrast_cooc.W.PET	0.29830745	0.241144721	0.111977047
## Dissimilarity_cooc.W.PET	0.52631163	0.474737181	0.223417108
## Inv_diff_cooc.W.PET	0.75171748	0.607030346	0.522025571
## Inv_diff_norm_cooc.W.PET	0.95677949	0.837522700	0.539795423
## IDM_cooc.W.PET	0.62855140	0.482028220	0.473661630
## IDM_norm_cooc.W.PET	0.96261360	0.842867283	0.545186167
## Inv_var_cooc.W.PET	0.69216585	0.552125314	0.498565932
## Correlation_cooc.W.PET	0.61934580	0.485071758	0.372588948
## Autocorrelation_cooc.W.PET	0.25351857	0.137033145	0.090773364
## Tendency_cooc.W.PET	0.22306481	0.144448083	0.091402466
## Shade_cooc.W.PET	0.03552991	0.010041302	0.013358301
## Prominence_cooc.W.PET	0.01161377	-0.034265585	-0.003438328
## IC1_d.W.PET	-0.13755621	-0.130252488	-0.060794270
## IC2_d.W.PET	0.82650698	0.714674846	0.492799352
## Coarseness_vdif.W.PET	0.49705209	0.379343391	0.439680817
## Contrast_vdif.W.PET	0.48645452	0.441816682	0.266353634
## Busyness_vdif.W.PET	0.21387163	0.141784350	0.199107142
## Complexity_vdif.W.PET	0.15936926	0.087330320	0.045831705
## Strength_vdif.W.PET	0.25807814	0.268058491	0.223087621
## SRE_align.W.PET	0.95902147	0.850805026	0.535355699
## LRE_align.W.PET	0.85063576	0.708907016	0.537043212
## GLNU_align.W.PET	0.18464760	0.210649310	0.023256017
## RLNU_align.W.PET	0.17808964	0.158801601	0.032277845
## RP_align.W.PET	0.95480944	0.849350935	0.529905097
## LGRE_align.W.PET	0.51421364	0.419646588	0.425504787
## HGRE_align.W.PET	0.25450751	0.142689375	0.077316526

## LGSRE_align.W.PET	0.54740447	0.459097729	0.439195231
## HGSRE_align.W.PET	0.25102251	0.139725902	0.076406369
## LGHRE_align.W.PET	0.35919184	0.253334131	0.350266969
## HGLRE_align.W.PET	0.26796307	0.155111578	0.079703507
## GLNU_norm_align.W.PET	0.54073681	0.399079987	0.470902476
## RLNU_norm_align.W.PET	0.93409902	0.841050344	0.505928916
## GLVAR_align.W.PET	0.24897735	0.165721628	0.086916594
## RLVAR_align.W.PET	0.36596067	0.244030238	0.322798432
## Entropy_align.W.PET	0.85480318	0.756171403	0.417932518
## SZSE.W.PET	0.90628450	0.810396064	0.500243949
## LZSE.W.PET	0.14512366	0.082041306	0.157557804
## LGLZE.W.PET	0.53310154	0.432507605	0.423362262
## HGLZE.W.PET	0.25768458	0.148863585	0.080037931
## SZLGE.W.PET	0.59816734	0.509518057	0.442894098
## SZHGE.W.PET	0.24834056	0.140353922	0.083106158
## LZLGE.W.PET	0.02640009	-0.028340320	0.126232588
## LZHGE.W.PET	0.27412120	0.201434238	0.035962810
## GLNU_area.W.PET	0.19530692	0.212917659	0.032508901
## ZSNU.W.PET	0.17621992	0.140382308	0.048312716
## ZSP.W.PET	0.83455385	0.762397676	0.440133783
## GLNU_norm.W.PET	0.56183813	0.410057374	0.480020925
## ZSNU_norm.W.PET	0.83069546	0.772781028	0.423970398
## GLVAR_area.W.PET	0.25177850	0.170579413	0.086293234
## ZSVAR.W.PET	0.05575446	0.012079452	0.104042984
## Entropy_area.W.PET	0.89116098	0.781301140	0.452491993
## Min_hist.ADC	0.43988673	0.245167955	0.505430779
## Max_hist.ADC	0.79259709	0.706442373	0.418036803
## Mean_hist.ADC	0.84746867	0.885052250	0.521715982
## Variance_hist.ADC	0.42702862	0.321492365	0.472697591
## Standard_Deviation_hist.ADC	0.69509344	0.574990978	0.564934562
## Skewness_hist.ADC	0.19120881	-0.213481532	0.112166768
## Kurtosis_hist.ADC	0.14824939	0.242656326	-0.337281451
## Energy_hist.ADC	0.46905538	0.328079265	0.408767508
## Entropy_hist.ADC	0.87666927	0.796482191	0.432152018
## AUC_hist.ADC	0.92357351	0.760999467	0.510889651
## Volume.ADC	0.24161501	0.156782461	0.053870899
## X3D_surface.ADC	0.27301514	0.219289486	0.004179831
## ratio_3ds_vol.ADC	0.76887375	0.612829779	0.667397303
## ratio_3ds_vol_norm.ADC	0.88326983	0.797005949	0.466203412
## irregularity.ADC	0.97273493	0.814498207	0.626746714
## Compactness_v1.ADC	0.69204779	0.540401342	0.505303054
##	SENT_cooc.L.ADC	ASM_cooc.L.ADC	Contrast_cooc.L.ADC
## Failure	0.069214284	0.043748474	0.237377762
## Entropy_cooc.W.ADC	0.073799269	-0.017563834	-0.137427026
## GLNU_align.H.PET	0.034407159	0.056877231	-0.204676085
## Min_hist.PET	0.392656608	0.117362083	0.252231179
## Max_hist.PET	0.438423144	0.139301883	0.185713812
## Mean_hist.PET	0.419176306	0.116736186	0.237719104
## Variance_hist.PET	0.267453755	0.048975475	0.095642016
## Standard_Deviation_hist.PET	0.430028895	0.162183982	0.202136245
## Skewness_hist.PET	0.333730537	0.304065435	0.210583526
## Kurtosis_hist.PET	0.124251154	0.150352822	-0.037844143
## Energy_hist.PET	0.280750704	0.977595196	0.411643989
## Entropy_hist.PET	0.679946431	0.295037999	0.378605249

## AUC_hist.PET	0.737933594	0.505869533	0.514585536
## H_suv.PET	0.426657694	0.264794560	0.229549098
## Volume.PET	0.426979398	-0.133255224	-0.034815901
## X3D_surface.PET	0.190362258	0.116359400	-0.004223981
## ratio_3ds_vol.PET	0.301890112	0.633882907	0.480591693
## ratio_3ds_vol_norm.PET	0.405962975	0.643822963	0.323491062
## irregularity.PET	0.680743853	0.465810702	0.565714819
## tumor_length.PET	0.492416874	0.336410997	0.175732662
## Compactness_v1.PET	0.435375019	0.918973921	0.390599734
## Compactness_v2.PET	0.269433918	-0.253795808	0.041228676
## Spherical_disproportion.PET	0.405962975	0.643822963	0.323491062
## Sphericity.PET	0.267095225	-0.398114810	0.012373706
## Asphericity.PET	0.389377295	0.641826404	0.312579253
## Center_of_mass.PET	0.318954899	0.180089481	0.119284335
## Max_3D_diam.PET	0.458607916	-0.144852976	0.093769175
## Major_axis_length.PET	0.503486169	-0.010472779	0.185531522
## Minor_axis_length.PET	0.569400152	0.163150687	0.132133324
## Least_axis_length.PET	0.512167962	0.041503413	0.056652998
## Elongation.PET	0.562617684	0.501429141	0.389287418
## Flatness.PET	0.553653334	0.397052697	0.294691369
## Max_cooc.L.PET	0.330286115	0.991209552	0.386060977
## Average_cooc.L.PET	0.615645008	0.361205084	0.575146863
## Variance_cooc.L.PET	0.424202719	0.316360573	0.547998534
## Entropy_cooc.L.PET	0.747672419	0.387405175	0.493328338
## DAVE_cooc.L.PET	0.490376129	0.363991021	0.553330618
## DVAR_cooc.L.PET	0.390058321	0.403519731	0.472069692
## DENT_cooc.L.PET	0.696846647	0.422988170	0.554571402
## SAVE_cooc.L.PET	0.615531758	0.360126745	0.574942790
## SVAR_cooc.L.PET	0.471577424	0.299201777	0.541839053
## SENT_cooc.L.PET	0.704127929	0.506045693	0.555020476
## ASM_cooc.L.PET	0.307102886	0.996907474	0.364778988
## Contrast_cooc.L.PET	0.291805598	0.300743440	0.483950734
## Dissimilarity_cooc.L.PET	0.490376129	0.363991021	0.553330618
## Inv_diff_cooc.L.PET	0.649918983	0.548202328	0.354830244
## Inv_diff_norm_cooc.L.PET	0.741500825	0.464769825	0.496051190
## IDM_cooc.L.PET	0.579113652	0.601180591	0.304773199
## IDM_norm_cooc.L.PET	0.741895657	0.462733534	0.508376091
## Inv_var_cooc.L.PET	0.589688552	0.599613406	0.302003036
## Correlation_cooc.L.PET	0.575385757	0.314673261	0.281024799
## Autocorrelation_cooc.L.PET	0.481400123	0.295806088	0.537503690
## Tendency_cooc.L.PET	0.471577424	0.299201777	0.541839053
## Shade_cooc.L.PET	0.194906758	0.110064863	0.211034323
## Prominence_cooc.L.PET	0.302501219	0.230547816	0.469104844
## IC1_.L.PET	-0.150659002	0.068794299	-0.459266670
## IC2_.L.PET	0.605124855	0.520880226	0.627554665
## Coarseness_vdif_.L.PET	0.301782372	0.911698310	0.497924289
## Contrast_vdif_.L.PET	-0.003095190	0.208500040	0.314532307
## Busyness_vdif_.L.PET	0.300868666	-0.022699904	-0.065983437
## Complexity_vdif_.L.PET	0.403546421	0.428100161	0.503441000
## Strength_vdif_.L.PET	0.074772642	0.286032812	0.398239491
## SRE_align.L.PET	0.735654202	0.469204623	0.530596121
## LRE_align.L.PET	0.728400034	0.451175316	0.492582751
## GLNU_align.L.PET	0.250584196	-0.015753029	-0.069453378
## RLNU_align.L.PET	0.236324016	-0.071454835	-0.052805482

## RP_align.L.PET	0.734303196	0.469329999	0.532600711
## LGRE_align.L.PET	0.390623335	0.662746564	0.329498336
## HGRE_align.L.PET	0.484521026	0.309357870	0.539553627
## LGSRE_align.L.PET	0.394617096	0.673303700	0.335345672
## HGSRE_align.L.PET	0.482716966	0.310568905	0.541246512
## LGHRE_align.L.PET	0.373443940	0.619237160	0.304694582
## HGLRE_align.L.PET	0.489803232	0.303233007	0.530591071
## GLNU_norm_align.L.PET	0.464360345	0.900803642	0.431275699
## RLNU_norm_align.L.PET	0.730192384	0.470565667	0.539212750
## GLVAR_align.L.PET	0.465276465	0.324130322	0.551554312
## RLVAR_align.L.PET	0.485652722	0.828328822	0.315747586
## Entropy_align.L.PET	0.747924390	0.401049757	0.509090909
## SZSE.L.PET	0.740657949	0.473810385	0.533462355
## LZSE.L.PET	0.446800073	0.283603073	0.277207734
## LGLZE.L.PET	0.398015642	0.675898427	0.335306405
## HGLZE.L.PET	0.487946232	0.311967475	0.539618965
## SZLGE.L.PET	0.413739946	0.707388329	0.354962589
## SZHGE.L.PET	0.494583572	0.318929928	0.538433691
## LZLGE.L.PET	0.298853763	0.479043939	0.208014986
## LZHGE.L.PET	0.358954720	0.222556333	0.421803472
## GLNU_area.L.PET	0.257290505	-0.022714930	-0.063312863
## ZSNU.L.PET	0.244995752	-0.081736537	-0.045177918
## ZSP.L.PET	0.736508918	0.471123994	0.545284692
## GLNU_norm.L.PET	0.465583187	0.904657541	0.431306346
## ZSNU_norm.L.PET	0.724601387	0.471605584	0.556448712
## GLVAR_area.L.PET	0.474122451	0.332378078	0.554050392
## ZSVAR.L.PET	0.311097492	0.343720070	0.081917681
## Entropy_area.L.PET	0.749750815	0.399224942	0.493894593
## Max_cooc.H.PET	0.260125245	0.393521733	0.325052420
## Average_cooc.H.PET	0.718587132	0.435791638	0.547154020
## Variance_cooc.H.PET	0.634416723	0.334874212	0.404164269
## Entropy_cooc.H.PET	0.601311481	0.285467522	0.427908325
## DAVE_cooc.H.PET	0.605736756	0.365726260	0.456675805
## DVAR_cooc.H.PET	0.621859638	0.375662526	0.473083155
## DENT_cooc.H.PET	0.575751619	0.214166445	0.326753571
## SAVE_cooc.H.PET	0.711576788	0.418230427	0.539985502
## SVAR_cooc.H.PET	0.655756710	0.337798575	0.387768637
## SENT_cooc.H.PET	0.436983414	0.603894772	0.362791288
## ASM_cooc.H.PET	0.274351463	0.485894719	0.337256666
## Contrast_cooc.H.PET	0.534673789	0.334635758	0.428397753
## Dissimilarity_cooc.H.PET	0.605736756	0.365726260	0.456675805
## Inv_diff_cooc.H.PET	0.546658057	0.459477189	0.444507393
## Inv_diff_norm_cooc.H.PET	0.741163550	0.475529169	0.524805327
## IDM_cooc.H.PET	0.471053528	0.430244569	0.404629512
## IDM_norm_cooc.H.PET	0.738780325	0.468527226	0.522157053
## Inv_var_cooc_.H.PET	0.417701712	0.894411763	0.382033457
## Correlation_cooc.H.PET	0.575444700	0.316855329	0.272103774
## Autocorrelation_cooc.H.PET	0.686056680	0.430126566	0.547535166
## Tendency_cooc.H.PET	0.631561324	0.304927308	0.354904493
## Shade_cooc.H.PET	-0.263354129	-0.175924298	-0.240828683
## Prominence_cooc.H.PET	0.474384083	0.191303711	0.215861025
## IC1_d.H.PET	-0.132645022	0.379152795	-0.003784848
## IC2_d.H.PET	0.604754768	0.368462930	0.373418447
## Coarseness_vdif.H.PET	0.293153232	0.991868739	0.380857009

## Contrast_vdif.H.PET	0.252777779	0.256417526	0.419669750
## Busyness_vdif.H.PET	0.150185603	-0.377371681	-0.163022429
## Complexity_vdif.H.PET	0.374145311	0.672456037	0.463272505
## Strength_vdif.H.PET	0.008109681	0.107220911	0.126645255
## SRE_align.H.PET	0.698336299	0.447523247	0.493022867
## LRE_align.H.PET	0.518551082	0.314200914	0.397398987
## RLNU_align.H.PET	0.250260080	-0.060100722	-0.027276607
## RP_align.H.PET	0.686421202	0.442387929	0.490675127
## LGRE_align.H.PET	0.334101855	0.992920306	0.375411238
## HGRE_align.H.PET	0.694833709	0.425647981	0.541494702
## LGSRE_align.H.PET	0.332006328	0.993050218	0.374781232
## HGSRE_align.H.PET	0.698320912	0.427927372	0.538647683
## LGHRE_align.H.PET	0.345128249	0.992338328	0.378512619
## HGLRE_align.H.PET	0.387555541	0.238557828	0.313172827
## GLNU_norm_align.H.PET	0.406747429	0.440943652	0.426434256
## RLNU_norm_align.H.PET	0.636979371	0.415911694	0.456220140
## GLVAR_align.H.PET	0.614643549	0.312177467	0.375966233
## RLVAR_align.H.PET	0.265326986	0.206038002	0.190613452
## Entropy_align.H.PET	0.690906351	0.330153918	0.388934771
## SZSE.H.PET	0.616390881	0.387046901	0.387132745
## LZSE.H.PET	-0.022057237	-0.069801701	-0.011895002
## LGLZE.H.PET	0.336085148	0.991105789	0.375809563
## HGLZE.H.PET	0.629070862	0.362025979	0.435925480
## SZLGE.H.PET	0.331489760	0.991693001	0.373632217
## SZHGE.H.PET	0.558630300	0.331623975	0.384852733
## LZLGE.H.PET	0.030750828	0.065129187	0.032237955
## LZHGE.H.PET	-0.006254822	-0.027793857	0.020733132
## GLNU_area.H.PET	0.255642893	-0.072507020	-0.075008250
## ZSNU.H.PET	0.252447183	-0.070580780	0.012712703
## ZSP.H.PET	0.468895867	0.274619684	0.296981707
## GLNU_norm.H.PET	0.422000012	0.447610262	0.449248220
## ZSNU_norm.H.PET	0.502108744	0.319712359	0.310195928
## GLVAR_area.H.PET	0.608440639	0.299832612	0.353951261
## ZSVAR.H.PET	-0.014039315	-0.046506941	0.000371300
## Entropy_area.H.PET	0.728343579	0.370622999	0.414991527
## Max_cooc.W.PET	0.282523166	0.621081663	0.358478893
## Average_cooc.W.PET	0.449542169	0.133808362	0.221017577
## Variance_cooc.W.PET	0.253538503	0.057226135	0.097688018
## Entropy_cooc.W.PET	0.635971473	0.301335534	0.367425125
## DAVE_cooc.W.PET	0.403390852	0.165433326	0.240650244
## DVAR_cooc.W.PET	0.246794466	0.054317471	0.130896540
## DENT_cooc.W.PET	0.601189773	0.314194796	0.373137902
## SAVE_cooc.W.PET	0.449027038	0.131790439	0.220328907
## SVAR_cooc.W.PET	0.247113272	0.056565943	0.076818817
## SENT_cooc.W.PET	0.640997660	0.425069978	0.415109106
## ASM_cooc.W.PET	0.312427226	0.799584701	0.388309077
## Contrast_cooc.W.PET	0.247341268	0.052586426	0.143153318
## Dissimilarity_cooc.W.PET	0.403390852	0.165433326	0.240650244
## Inv_diff_cooc.W.PET	0.588481083	0.479023284	0.478434703
## Inv_diff_norm_cooc.W.PET	0.741163662	0.466561079	0.498891953
## IDM_cooc.W.PET	0.502455049	0.443301986	0.430672986
## IDM_norm_cooc.W.PET	0.740925668	0.463640407	0.509401356
## Inv_var_cooc.W.PET	0.540295555	0.479574575	0.458037086
## Correlation_cooc.W.PET	0.575632081	0.312914875	0.276936788

## Autocorrelation_cooc.W.PET	0.300129869	0.018187057	0.116069534
## Tendency_cooc.W.PET	0.247113272	0.056565943	0.076818817
## Shade_cooc.W.PET	0.070341970	0.050728824	-0.015467178
## Prominence_cooc.W.PET	0.069624783	0.022058119	-0.010949462
## IC1_d.W.PET	-0.108844286	0.444213888	-0.031329458
## IC2_d.W.PET	0.612297332	0.424916698	0.454251619
## Coarseness_vdif.W.PET	0.257151435	0.836211017	0.515453073
## Contrast_vdif.W.PET	0.301281374	0.281329217	0.305188662
## Busyness_vdif.W.PET	0.269544668	-0.081051344	0.069170534
## Complexity_vdif.W.PET	0.204339528	0.039796103	0.048499591
## Strength_vdif.W.PET	0.103456933	0.191374542	0.146577592
## SRE_align.W.PET	0.721887190	0.460086565	0.511990271
## LRE_align.W.PET	0.673654898	0.415286936	0.488065877
## GLNU_align.W.PET	0.234671836	-0.069444867	-0.106876693
## RLNU_align.W.PET	0.242637801	-0.061136610	-0.040059481
## RP_align.W.PET	0.715696502	0.457204638	0.509230661
## LGRE_align.W.PET	0.362766391	0.420834604	0.379206744
## HGRE_align.W.PET	0.298718281	0.011395316	0.112117482
## LGSRE_align.W.PET	0.377194278	0.452352256	0.395014510
## HGSRE_align.W.PET	0.294935497	0.009793440	0.112025204
## LGHRE_align.W.PET	0.281748280	0.281901290	0.294144332
## HGLRE_align.W.PET	0.312432998	0.017678057	0.111331506
## GLNU_norm_align.W.PET	0.401833992	0.541876606	0.438658413
## RLNU_norm_align.W.PET	0.691428608	0.444553078	0.491525603
## GLVAR_align.W.PET	0.267116488	0.046879947	0.094468860
## RLVAR_align.W.PET	0.327926863	0.347373647	0.264871075
## Entropy_align.W.PET	0.685889379	0.330874458	0.393429102
## SZSE.W.PET	0.687613807	0.441884362	0.472737774
## LZSE.W.PET	0.126013851	0.093975329	0.143558878
## LGLZE.W.PET	0.392427958	0.446813388	0.380892532
## HGLZE.W.PET	0.297840985	0.012851895	0.112312454
## SZLGE.W.PET	0.428935321	0.534825087	0.406602227
## SZHGE.W.PET	0.289209589	0.008845626	0.113129916
## LZLGE.W.PET	0.037836064	0.009956451	0.078335653
## LZHGE.W.PET	0.270373953	0.063348308	0.087984345
## GLNU_area.W.PET	0.251645928	-0.069522685	-0.093733912
## ZSNU.W.PET	0.248848049	-0.063328103	-0.013393797
## ZSP.W.PET	0.620432721	0.385131018	0.417259403
## GLNU_norm.W.PET	0.424594078	0.559886793	0.459705905
## ZSNU_norm.W.PET	0.596328701	0.390419474	0.415819477
## GLVAR_area.W.PET	0.267383664	0.052336084	0.093313421
## ZSVAR.W.PET	0.057589663	0.058174050	0.087479893
## Entropy_area.W.PET	0.721108926	0.356673671	0.416156224
## Min_hist.ADC	0.292628835	0.189779877	0.633680326
## Max_hist.ADC	0.698770797	0.371821416	0.268781150
## Mean_hist.ADC	0.456436042	0.366837463	0.496459877
## Variance_hist.ADC	0.410244005	0.260142923	0.183748154
## Standard_Deviation_hist.ADC	0.586569763	0.349428496	0.328759674
## Skewness_hist.ADC	0.661563807	0.143836312	0.087037219
## Kurtosis_hist.ADC	0.119588417	0.158191736	-0.170759381
## Energy_hist.ADC	0.319623132	0.991155651	0.437625377
## Entropy_hist.ADC	0.731374279	0.389164405	0.313512546
## AUC_hist.ADC	0.793010429	0.478789743	0.457081529
## Volume.ADC	0.412169372	-0.139262078	-0.056578936

## X3D_surface.ADC	0.496931309	0.120069144	-0.230606278
## ratio_3ds_vol.ADC	0.372947474	0.463611515	0.857694445
## ratio_3ds_vol_norm.ADC	0.694935745	0.373610795	0.398090585
## irregularity.ADC	0.699143357	0.465812162	0.668947386
## Compactness_v1.ADC	0.501870187	0.938324776	0.510729015
##	Dissimilarity_cooc.L.ADC	Inv_diff_cooc.L.ADC	
## Failure	0.158079426	-0.069465885	
## Entropy_cooc.W.ADC	-0.097556299	0.097608298	
## GLNU_align.H.PET	-0.174544008	0.058258421	
## Min_hist.PET	0.400203126	0.443309361	
## Max_hist.PET	0.346989744	0.509952281	
## Mean_hist.PET	0.385421223	0.457917191	
## Variance_hist.PET	0.174077189	0.242940837	
## Standard_Deviation_hist.PET	0.351583183	0.503731223	
## Skewness_hist.PET	0.347676244	0.523177906	
## Kurtosis_hist.PET	0.016887158	0.217439831	
## Energy_hist.PET	0.454582458	0.425784469	
## Entropy_hist.PET	0.598619091	0.798599027	
## AUC_hist.PET	0.745003141	0.892178529	
## H_suv.PET	0.371806956	0.544776835	
## Volume.PET	0.084384917	0.380816233	
## X3D_surface.PET	0.071113205	0.263852091	
## ratio_3ds_vol.PET	0.561148759	0.478977550	
## ratio_3ds_vol_norm.PET	0.436582198	0.577280756	
## irregularity.PET	0.778789025	0.827440222	
## tumor_length.PET	0.339465478	0.618956070	
## Compactness_v1.PET	0.476026020	0.548293119	
## Compactness_v2.PET	0.122160312	0.196458491	
## Spherical_disproportion.PET	0.436582198	0.577280756	
## Sphericity.PET	0.102778504	0.188949696	
## Asphericity.PET	0.420098912	0.559070683	
## Center_of_mass.PET	0.207802920	0.395505454	
## Max_3D_diam.PET	0.240823905	0.439414601	
## Major_axis_length.PET	0.324742378	0.464449464	
## Minor_axis_length.PET	0.328528707	0.683740815	
## Least_axis_length.PET	0.242114963	0.584054537	
## Elongation.PET	0.599619217	0.798534768	
## Flatness.PET	0.516301418	0.741167810	
## Max_cooc.L.PET	0.442194331	0.469322374	
## Average_cooc.L.PET	0.725466317	0.649179654	
## Variance_cooc.L.PET	0.646584053	0.475907277	
## Entropy_cooc.L.PET	0.724715426	0.869527744	
## DAVE_cooc.L.PET	0.690167734	0.600664463	
## DVAR_cooc.L.PET	0.592657054	0.561091664	
## DENT_cooc.L.PET	0.768078690	0.834381783	
## SAVE_cooc.L.PET	0.725268446	0.648910915	
## SVAR_cooc.L.PET	0.645382951	0.483945488	
## SENT_cooc.L.PET	0.769202194	0.849428609	
## ASM_cooc.L.PET	0.414650007	0.449581635	
## Contrast_cooc.L.PET	0.561385338	0.398984939	
## Dissimilarity_cooc.L.PET	0.690167734	0.600664463	
## Inv_diff_cooc.L.PET	0.572239976	0.820229298	
## Inv_diff_norm_cooc.L.PET	0.732312852	0.891973427	
## IDM_cooc.L.PET	0.500134196	0.757152847	

## IDM_norm_cooc.L.PET	0.742958023	0.889942877
## Inv_var_cooc.L.PET	0.497623598	0.767558136
## Correlation_cooc.L.PET	0.448958612	0.608354076
## Autocorrelation_cooc.L.PET	0.619427051	0.442277760
## Tendency_cooc.L.PET	0.645382951	0.483945488
## Shade_cooc.L.PET	0.280422611	0.252489935
## Prominence_cooc.L.PET	0.519102413	0.305552109
## IC1_.L.PET	-0.493490938	-0.133575437
## IC2_.L.PET	0.800791175	0.727959250
## Coarseness_vdif_.L.PET	0.535733569	0.409573529
## Contrast_vdif_.L.PET	0.329820412	0.117866375
## Busyness_vdif_.L.PET	0.049264268	0.397814287
## Complexity_vdif_.L.PET	0.639841679	0.585564718
## Strength_vdif_.L.PET	0.420019164	0.151242191
## SRE_align.L.PET	0.759991078	0.882448865
## LRE_align.L.PET	0.729582954	0.887482458
## GLNU_align.L.PET	0.031898735	0.332788345
## RLNU_align.L.PET	0.039535441	0.283430660
## RP_align.L.PET	0.761483735	0.881162843
## LGRE_align.L.PET	0.469795452	0.608983281
## HGRE_align.L.PET	0.628919880	0.465159214
## LGSRE_align.L.PET	0.475730689	0.613014845
## HGSRE_align.L.PET	0.629511446	0.463178296
## LGHRE_align.L.PET	0.443850990	0.589829399
## HGLRE_align.L.PET	0.624253228	0.471972084
## GLNU_norm_align.L.PET	0.556978482	0.655366008
## RLNU_norm_align.L.PET	0.765962346	0.876455773
## GLVAR_align.L.PET	0.657174108	0.507114491
## RLVAR_align.L.PET	0.456526893	0.659898916
## Entropy_align.L.PET	0.738492936	0.868306412
## SZSE.L.PET	0.752627467	0.862294270
## LZSE.L.PET	0.463073079	0.634066341
## LGLZE.L.PET	0.477503476	0.622000440
## HGLZE.L.PET	0.632865147	0.475028655
## SZLGE.L.PET	0.494427734	0.629322923
## SZHGE.L.PET	0.629318315	0.473792743
## LZLGE.L.PET	0.337899398	0.506780147
## LZHGE.L.PET	0.506495203	0.383088552
## GLNU_area.L.PET	0.037317867	0.330755667
## ZSNU.L.PET	0.046049500	0.279781627
## ZSP.L.PET	0.764844669	0.861091006
## GLNU_norm.L.PET	0.557143852	0.656001847
## ZSNU_norm.L.PET	0.775094737	0.854391532
## GLVAR_area.L.PET	0.662693679	0.518999727
## ZSVAR.L.PET	0.219452498	0.486937511
## Entropy_area.L.PET	0.726790178	0.876660518
## Max_cooc.H.PET	0.356698368	0.226431240
## Average_cooc.H.PET	0.764889167	0.840991911
## Variance_cooc.H.PET	0.612370919	0.776180171
## Entropy_cooc.H.PET	0.625674607	0.738342675
## DAVE_cooc.H.PET	0.658528375	0.783014002
## DVAR_cooc.H.PET	0.659811240	0.754282832
## DENT_cooc.H.PET	0.528319551	0.701573922
## SAVE_cooc.H.PET	0.759085331	0.853185290

## SVAR_cooc.H.PET	0.601873886	0.757357308
## SENT_cooc.H.PET	0.518827944	0.652485195
## ASM_cooc.H.PET	0.356344476	0.221178335
## Contrast_cooc.H.PET	0.601678943	0.692938811
## Dissimilarity_cooc.H.PET	0.658528375	0.783014002
## Inv_diff_cooc.H.PET	0.578231280	0.568039438
## Inv_diff_norm_cooc.H.PET	0.755036488	0.880473557
## IDM_cooc.H.PET	0.510208210	0.471228055
## IDM_norm_cooc.H.PET	0.753962819	0.884279161
## Inv_var_cooc.H.PET	0.485747519	0.591066765
## Correlation_cooc.H.PET	0.448537389	0.615979976
## Autocorrelation_cooc.H.PET	0.744994052	0.777250366
## Tendency_cooc.H.PET	0.563365762	0.751722528
## Shade_cooc.H.PET	-0.335093289	-0.348066634
## Prominence_cooc.H.PET	0.383592682	0.568503226
## IC1_d.H.PET	-0.062143056	-0.033846820
## IC2_d.H.PET	0.567518162	0.698870683
## Coarseness_vdif.H.PET	0.425484191	0.432622216
## Contrast_vdif.H.PET	0.409457675	0.168201266
## Busyness_vdif.H.PET	-0.089521509	0.188689926
## Complexity_vdif.H.PET	0.580397592	0.583442898
## Strength_vdif.H.PET	0.109588508	-0.027841347
## SRE_align.H.PET	0.722251792	0.871556591
## LRE_align.H.PET	0.529507545	0.533988666
## RLNU_align.H.PET	0.058130232	0.275064809
## RP_align.H.PET	0.716586682	0.859141376
## LGRE_align.H.PET	0.430074298	0.461563470
## HGRE_align.H.PET	0.743005719	0.783728647
## LGSRE_align.H.PET	0.428654687	0.459383791
## HGSRE_align.H.PET	0.757402002	0.835037465
## LGHRE_align.H.PET	0.437451572	0.473205740
## HGLRE_align.H.PET	0.393720535	0.348431155
## GLNU_norm_align.H.PET	0.505095750	0.405447490
## RLNU_norm_align.H.PET	0.672219180	0.819235399
## GLVAR_align.H.PET	0.579318595	0.750988983
## RLVAR_align.H.PET	0.243128779	0.237163329
## Entropy_align.H.PET	0.620094756	0.825801024
## SZSE.H.PET	0.600776071	0.791154105
## LZSE.H.PET	-0.025468751	-0.075885548
## LGLZE.H.PET	0.430914232	0.461515161
## HGLZE.H.PET	0.645270970	0.763736392
## SZLGE.H.PET	0.426783651	0.456039674
## SZHGE.H.PET	0.597413173	0.746644879
## LZLGE.H.PET	0.028128405	-0.010360037
## LZHGE.H.PET	-0.001691507	-0.070741185
## GLNU_area.H.PET	0.031348752	0.341157204
## ZSNU.H.PET	0.080483680	0.220277652
## ZSP.H.PET	0.466987985	0.623034911
## GLNU_norm.H.PET	0.523862772	0.414554556
## ZSNU_norm.H.PET	0.500004232	0.670527172
## GLVAR_area.H.PET	0.557512207	0.732217109
## ZSVAR.H.PET	-0.017706904	-0.071922721
## Entropy_area.H.PET	0.653602615	0.871794642
## Max_cooc.W.PET	0.390459083	0.286590303

## Average_cooc.W.PET	0.363700414	0.477993966
## Variance_cooc.W.PET	0.175860260	0.241005912
## Entropy_cooc.W.PET	0.588505018	0.788361847
## DAVE_cooc.W.PET	0.386320721	0.499442450
## DVAR_cooc.W.PET	0.214716392	0.258112718
## DENT_cooc.W.PET	0.587328939	0.770842648
## SAVE_cooc.W.PET	0.362949619	0.477202656
## SVAR_cooc.W.PET	0.149857127	0.225467859
## SENT_cooc.W.PET	0.636840838	0.822123583
## ASM_cooc.W.PET	0.418752179	0.341961897
## Contrast_cooc.W.PET	0.227728929	0.259614973
## Dissimilarity_cooc.W.PET	0.386320721	0.499442450
## Inv_diff_cooc.W.PET	0.630945162	0.642483957
## Inv_diff_norm_cooc.W.PET	0.734635974	0.891097694
## IDM_cooc.W.PET	0.546776519	0.516097063
## IDM_norm_cooc.W.PET	0.743809157	0.889727656
## Inv_var_cooc.W.PET	0.590059344	0.588324704
## Correlation_cooc.W.PET	0.445585825	0.609588410
## Autocorrelation_cooc.W.PET	0.189950016	0.227086722
## Tendency_cooc.W.PET	0.149857127	0.225467859
## Shade_cooc.W.PET	0.005152664	0.068180442
## Prominence_cooc.W.PET	-0.001748117	0.028060284
## IC1_d.W.PET	-0.092452518	-0.028439744
## IC2_d.W.PET	0.652015364	0.739352014
## Coarseness_vdif.W.PET	0.542118374	0.354727774
## Contrast_vdif.W.PET	0.411328175	0.401848720
## Busyness_vdif.W.PET	0.135063092	0.206350379
## Complexity_vdif.W.PET	0.104259160	0.169640033
## Strength_vdif.W.PET	0.212107955	0.208306261
## SRE_align.W.PET	0.743702922	0.884896268
## LRE_align.W.PET	0.681276156	0.748211695
## GLNU_align.W.PET	0.007293542	0.341621988
## RLNU_align.W.PET	0.048714446	0.280963585
## RP_align.W.PET	0.740299507	0.881191487
## LGRE_align.W.PET	0.465227304	0.403795885
## HGRE_align.W.PET	0.188080640	0.230795892
## LGSRE_align.W.PET	0.489177310	0.440879017
## HGSRE_align.W.PET	0.186502710	0.226056944
## LGHRE_align.W.PET	0.345140716	0.245928633
## HGLRE_align.W.PET	0.193458486	0.249848445
## GLNU_norm_align.W.PET	0.512535657	0.416037580
## RLNU_norm_align.W.PET	0.719825105	0.868803229
## GLVAR_align.W.PET	0.173095402	0.243187061
## RLVAR_align.W.PET	0.324248852	0.303398246
## Entropy_align.W.PET	0.624289792	0.826866313
## SZSE.W.PET	0.694640445	0.852945926
## LZSE.W.PET	0.153116830	0.078506568
## LGLZE.W.PET	0.472872917	0.436710543
## HGLZE.W.PET	0.189782317	0.234087797
## SZLGE.W.PET	0.514501181	0.525391412
## SZHGE.W.PET	0.186568621	0.219661329
## LZLGE.W.PET	0.065400100	-0.048942122
## LZHGE.W.PET	0.178468012	0.291348535
## GLNU_area.W.PET	0.019483447	0.350918801

## ZSNU.W.PET	0.065370760	0.255747692
## ZSP.W.PET	0.629657419	0.793352878
## GLNU_norm.W.PET	0.534440155	0.431265946
## ZSNU_norm.W.PET	0.627349517	0.789703202
## GLVAR_area.W.PET	0.173449525	0.248728332
## ZSVAR.W.PET	0.076713557	0.010886857
## Entropy_area.W.PET	0.653657812	0.859802254
## Min_hist.ADC	0.591108259	0.123030768
## Max_hist.ADC	0.502416040	0.896104761
## Mean_hist.ADC	0.678030037	0.771892778
## Variance_hist.ADC	0.285126671	0.446970764
## Standard_Deviation_hist.ADC	0.500000738	0.678389237
## Skewness_hist.ADC	0.118574950	0.263859601
## Kurtosis_hist.ADC	-0.075484150	0.475394565
## Energy_hist.ADC	0.471388591	0.434340420
## Entropy_hist.ADC	0.586642710	0.905832839
## AUC_hist.ADC	0.688297630	0.905914399
## Volume.ADC	0.062967741	0.376798133
## X3D_surface.ADC	-0.046386912	0.625253415
## ratio_3ds_vol.ADC	0.878513495	0.370517372
## ratio_3ds_vol_norm.ADC	0.634087954	0.879826188
## irregularity.ADC	0.847813621	0.782120899
## Compactness_v1.ADC	0.620996918	0.632735050
##	Inv_diff_norm_cooc.L.ADC	IDM_cooc.L.ADC
## Failure	-0.014251613	-0.077498489
## Entropy_cooc.W.ADC	0.039182819	0.110440427
## GLNU_align.H.PET	-0.025879660	0.082152180
## Min_hist.PET	0.528927761	0.387941788
## Max_hist.PET	0.552263691	0.467953315
## Mean_hist.PET	0.531191189	0.407121820
## Variance_hist.PET	0.265885240	0.223314490
## Standard_Deviation_hist.PET	0.544188027	0.464201979
## Skewness_hist.PET	0.542293847	0.492205653
## Kurtosis_hist.PET	0.163738291	0.226512000
## Energy_hist.PET	0.438378745	0.423349328
## Entropy_hist.PET	0.875636955	0.730699892
## AUC_hist.PET	0.993909714	0.816282903
## H_suv.PET	0.569476906	0.512700535
## Volume.PET	0.343357547	0.373815685
## X3D_surface.PET	0.233350461	0.261333808
## ratio_3ds_vol.PET	0.561373430	0.439852616
## ratio_3ds_vol_norm.PET	0.586703097	0.557028158
## irregularity.PET	0.960975653	0.743031850
## tumor_length.PET	0.615176193	0.590910125
## Compactness_v1.PET	0.551152528	0.540780979
## Compactness_v2.PET	0.234704021	0.165993297
## Spherical_disproportion.PET	0.586703097	0.557028158
## Sphericity.PET	0.235395032	0.151817938
## Asphericity.PET	0.564908576	0.541138563
## Center_of_mass.PET	0.379784568	0.386408564
## Max_3D_diam.PET	0.470530553	0.400192337
## Major_axis_length.PET	0.510143822	0.423929070
## Minor_axis_length.PET	0.676605846	0.649620036
## Least_axis_length.PET	0.575629192	0.552336243

## Elongation.PET	0.862482594	0.737707036
## Flatness.PET	0.802155185	0.678961504
## Max_cooc.L.PET	0.466760054	0.469706051
## Average_cooc.L.PET	0.798437362	0.569604513
## Variance_cooc.L.PET	0.629126953	0.403856168
## Entropy_cooc.L.PET	0.979249442	0.788894591
## DAVE_cooc.L.PET	0.743849952	0.525852578
## DVAR_cooc.L.PET	0.660676753	0.506891482
## DENT_cooc.L.PET	0.964180002	0.750503711
## SAVE_cooc.L.PET	0.798246479	0.569295232
## SVAR_cooc.L.PET	0.638425126	0.410055566
## SENT_cooc.L.PET	0.970298716	0.769368980
## ASM_cooc.L.PET	0.438495393	0.454217147
## Contrast_cooc.L.PET	0.529596106	0.339544771
## Dissimilarity_cooc.L.PET	0.743849952	0.525852578
## Inv_diff_cooc.L.PET	0.860287837	0.769812368
## Inv_diff_norm_cooc.L.PET	0.993817650	0.814430086
## IDM_cooc.L.PET	0.772587166	0.720476665
## IDM_norm_cooc.L.PET	0.996650463	0.810905737
## Inv_var_cooc.L.PET	0.777795323	0.732754343
## Correlation_cooc.L.PET	0.661857376	0.559062256
## Autocorrelation_cooc.L.PET	0.587660025	0.376060480
## Tendency_cooc.L.PET	0.638425126	0.410055566
## Shade_cooc.L.PET	0.319260209	0.215390663
## Prominence_cooc.L.PET	0.443812612	0.246791444
## IC1_.L.PET	-0.331241894	-0.054527073
## IC2_.L.PET	0.885758309	0.642219538
## Coarseness_vdif_.L.PET	0.466513475	0.391165742
## Contrast_vdif_.L.PET	0.216432245	0.082948972
## Busyness_vdif_.L.PET	0.334226674	0.399173819
## Complexity_vdif_.L.PET	0.705422903	0.520991618
## Strength_vdif_.L.PET	0.276800455	0.106404526
## SRE_align.L.PET	0.996430826	0.801811929
## LRE_align.L.PET	0.991244475	0.808884966
## GLNU_align.L.PET	0.276553441	0.335180957
## RLNU_align.L.PET	0.247430426	0.280057742
## RP_align.L.PET	0.996045310	0.800288547
## LGRE_align.L.PET	0.632614073	0.579787091
## HGRE_align.L.PET	0.609729299	0.397865440
## LGSRE_align.L.PET	0.637273681	0.583691823
## HGSRE_align.L.PET	0.608037257	0.396005159
## LGHRE_align.L.PET	0.610681949	0.561405248
## HGLRE_align.L.PET	0.614811598	0.404394497
## GLNU_norm_align.L.PET	0.678245202	0.632288586
## RLNU_norm_align.L.PET	0.993982932	0.795002054
## GLVAR_align.L.PET	0.657312958	0.434647008
## RLVAR_align.L.PET	0.649194063	0.645306494
## Entropy_align.L.PET	0.982776340	0.786526698
## SZSE.L.PET	0.973787103	0.784790558
## LZSE.L.PET	0.695911032	0.577842521
## LGLZE.L.PET	0.644536152	0.592983837
## HGLZE.L.PET	0.619667116	0.407062890
## SZLGE.L.PET	0.653081703	0.600911982
## SZHGE.L.PET	0.614999629	0.407762757

## LZLGE.L.PET	0.514709323	0.482858563
## LZHGE.L.PET	0.507269880	0.322651196
## GLNU_area.L.PET	0.277550498	0.332208974
## ZSNU.L.PET	0.247860343	0.275126295
## ZSP.L.PET	0.979232115	0.781027158
## GLNU_norm.L.PET	0.678559905	0.633083464
## ZSNU_norm.L.PET	0.979903346	0.771563553
## GLVAR_area.L.PET	0.668578738	0.446208559
## ZSVAR.L.PET	0.462251880	0.471797507
## Entropy_area.L.PET	0.984696707	0.796518329
## Max_cooc.H.PET	0.298319741	0.197877551
## Average_cooc.H.PET	0.968439833	0.757124006
## Variance_cooc.H.PET	0.859376063	0.709509933
## Entropy_cooc.H.PET	0.834978393	0.670576376
## DAVE_cooc.H.PET	0.878600590	0.713205207
## DVAR_cooc.H.PET	0.852639174	0.686163524
## DENT_cooc.H.PET	0.777577042	0.636727075
## SAVE_cooc.H.PET	0.975891221	0.770056527
## SVAR_cooc.H.PET	0.846243809	0.687464983
## SENT_cooc.H.PET	0.695130569	0.613440514
## ASM_cooc.H.PET	0.283098283	0.199263059
## Contrast_cooc.H.PET	0.782695606	0.630184699
## Dissimilarity_cooc.H.PET	0.878600590	0.713205207
## Inv_diff_cooc.H.PET	0.666752045	0.510349986
## Inv_diff_norm_cooc.H.PET	0.993170767	0.800205435
## IDM_cooc.H.PET	0.561732672	0.421459885
## IDM_norm_cooc.H.PET	0.996251745	0.803933833
## Inv_var_cooc.H.PET	0.594112222	0.579642583
## Correlation_cooc.H.PET	0.669832642	0.565916586
## Autocorrelation_cooc.H.PET	0.908767076	0.695635312
## Tendency_cooc.H.PET	0.823942347	0.688893289
## Shade_cooc.H.PET	-0.412732471	-0.308397500
## Prominence_cooc.H.PET	0.610651771	0.524077806
## IC1_d.H.PET	-0.109012582	0.009797471
## IC2_d.H.PET	0.781963459	0.635403398
## Coarseness_vdif.H.PET	0.430105117	0.435197459
## Contrast_vdif.H.PET	0.272052726	0.132964076
## Busyness_vdif.H.PET	0.138999574	0.188669868
## Complexity_vdif.H.PET	0.655206370	0.540983377
## Strength_vdif.H.PET	0.014384689	-0.037785038
## SRE_align.H.PET	0.972782999	0.795772769
## LRE_align.H.PET	0.632311620	0.474596271
## RLNU_align.H.PET	0.244829677	0.271593411
## RP_align.H.PET	0.960658627	0.783959192
## LGRE_align.H.PET	0.455373400	0.463878950
## HGRE_align.H.PET	0.914390845	0.701651666
## LGSRE_align.H.PET	0.452921437	0.461942573
## HGSRE_align.H.PET	0.961375281	0.751751098
## LGHRE_align.H.PET	0.468520840	0.474141431
## HGLRE_align.H.PET	0.431100474	0.303366816
## GLNU_norm_align.H.PET	0.501526064	0.359141686
## RLNU_norm_align.H.PET	0.911338155	0.749224401
## GLVAR_align.H.PET	0.827038657	0.687691163
## RLVAR_align.H.PET	0.280964070	0.210746892

## Entropy_align.H.PET	0.906020878	0.756255938
## SZSE.H.PET	0.861067436	0.729539547
## LZSE.H.PET	-0.061713580	-0.079402458
## LGLZE.H.PET	0.456005388	0.463536034
## HGLZE.H.PET	0.868395032	0.687092867
## SZLGE.H.PET	0.449603801	0.458747992
## SZHGE.H.PET	0.834637051	0.678006590
## LZLGE.H.PET	0.002163377	-0.014233501
## LZHGE.H.PET	-0.054244859	-0.073546350
## GLNU_area.H.PET	0.287895886	0.340944775
## ZSNU.H.PET	0.210005287	0.213545283
## ZSP.H.PET	0.677390361	0.574338673
## GLNU_norm.H.PET	0.513410241	0.368093524
## ZSNU_norm.H.PET	0.730495058	0.616759221
## GLVAR_area.H.PET	0.806521641	0.669267416
## ZSVAR_H.PET	-0.059025590	-0.074280508
## Entropy_area.H.PET	0.952864188	0.800220141
## Max_cooc.W.PET	0.337623717	0.268233289
## Average_cooc.W.PET	0.530684698	0.435503930
## Variance_cooc.W.PET	0.265379603	0.220783336
## Entropy_cooc.W.PET	0.863418228	0.722688844
## DAVE_cooc.W.PET	0.555809285	0.454354007
## DVAR_cooc.W.PET	0.296940934	0.231478660
## DENT_cooc.W.PET	0.846991806	0.706308906
## SAVE_cooc.W.PET	0.529931772	0.434690616
## SVAR_cooc.W.PET	0.240899852	0.209575282
## SENT_cooc.W.PET	0.900438602	0.756073108
## ASM_cooc.W.PET	0.374486721	0.332032867
## Contrast_cooc.W.PET	0.305240700	0.229853295
## Dissimilarity_cooc.W.PET	0.555809285	0.454354007
## Inv_diff_cooc.W.PET	0.746657655	0.579249439
## Inv_diff_norm_cooc.W.PET	0.993916601	0.813329443
## IDM_cooc.W.PET	0.611742259	0.462396350
## IDM_norm_cooc.W.PET	0.996717329	0.810649755
## Inv_var_cooc.W.PET	0.682896308	0.532431331
## Correlation_cooc.W.PET	0.661606513	0.560670205
## Autocorrelation_cooc.W.PET	0.261011799	0.204690218
## Tendency_cooc.W.PET	0.240899852	0.209575282
## Shade_cooc.W.PET	0.049537050	0.073994064
## Prominence_cooc.W.PET	0.015524125	0.034142516
## IC1_d.W.PET	-0.124607087	0.024041774
## IC2_d.W.PET	0.844817738	0.667197960
## Coarseness_vdif.W.PET	0.432150950	0.330873953
## Contrast_vdif.W.PET	0.480650471	0.355930223
## Busyness_vdif.W.PET	0.234740393	0.181553404
## Complexity_vdif.W.PET	0.174543149	0.161694144
## Strength_vdif.W.PET	0.250672590	0.182953054
## SRE_align.W.PET	0.991878652	0.806498179
## LRE_align.W.PET	0.862552124	0.672620771
## GLNU_align.W.PET	0.284803442	0.339526602
## RLNU_align.W.PET	0.246717329	0.278066063
## RP_align.W.PET	0.987675572	0.803148239
## LGRE_align.W.PET	0.487689362	0.360202490
## HGRE_align.W.PET	0.264039891	0.208175065

## LGSRE_align.W.PET	0.524341097	0.396212183
## HGSRE_align.W.PET	0.259590725	0.203610907
## LGHRE_align.W.PET	0.323338120	0.210022649
## HGLRE_align.W.PET	0.281712563	0.226527098
## GLNU_norm_align.W.PET	0.502761145	0.375178858
## RLNU_norm_align.W.PET	0.969546272	0.793378409
## GLVAR_align.W.PET	0.265779938	0.223647073
## RLVAR_align.W.PET	0.354194868	0.274829057
## Entropy_align.W.PET	0.908105505	0.757109030
## SZSE.W.PET	0.943691658	0.782643352
## LZSE.W.PET	0.121953449	0.060280610
## LGLZE.W.PET	0.513738345	0.394610202
## HGLZE.W.PET	0.267628377	0.211120439
## SZLGE.W.PET	0.590607396	0.485640414
## SZHGE.W.PET	0.254904699	0.196921175
## LZLGE.W.PET	-0.008955712	-0.060826348
## LZHGE.W.PET	0.307266189	0.271013933
## GLNU_area.W.PET	0.294064098	0.349750725
## ZSNU.W.PET	0.231921540	0.251454002
## ZSP.W.PET	0.874854867	0.727777922
## GLNU_norm.W.PET	0.522028130	0.388853163
## ZSNU_norm.W.PET	0.870602642	0.724685862
## GLVAR_area.W.PET	0.269938853	0.229448146
## ZSVAR.W.PET	0.035132807	0.003289004
## Entropy_area.W.PET	0.945020537	0.787175370
## Min_hist.ADC	0.300669624	0.073503528
## Max_hist.ADC	0.895727969	0.853477187
## Mean_hist.ADC	0.863633585	0.709167904
## Variance_hist.ADC	0.454124118	0.421574639
## Standard_Deviation_hist.ADC	0.728602637	0.626392023
## Skewness_hist.ADC	0.236038175	0.265404036
## Kurtosis_hist.ADC	0.303439193	0.523168030
## Energy_hist.ADC	0.446770956	0.433101161
## Entropy_hist.ADC	0.961627499	0.837012459
## AUC_hist.ADC	0.979551897	0.839362573
## Volume.ADC	0.332234941	0.371873747
## X3D_surface.ADC	0.463527455	0.649612545
## ratio_3ds_vol.ADC	0.614505284	0.282499034
## ratio_3ds_vol_norm.ADC	0.944597134	0.815769042
## irregularity.ADC	0.945985970	0.692873334
## Compactness_v1.ADC	0.684989651	0.601603516
##	IDM_norm_cooc.L.ADC	Inv_var_cooc.L.ADC
## Failure	-0.006158642	-0.077823575
## Entropy_cooc.W.ADC	0.031771999	0.107948507
## GLNU_align.H.PET	-0.035079355	0.082506816
## Min_hist.PET	0.531322085	0.392887551
## Max_hist.PET	0.550066023	0.470102118
## Mean_hist.PET	0.532380752	0.411900142
## Variance_hist.PET	0.265315794	0.224182632
## Standard_Deviation_hist.PET	0.542234871	0.468329732
## Skewness_hist.PET	0.539480940	0.488467204
## Kurtosis_hist.PET	0.157190488	0.216860798
## Energy_hist.PET	0.444194938	0.426897070
## Entropy_hist.PET	0.873883199	0.734676112

## AUC_hist.PET	0.995424044	0.824693944
## H_suv.PET	0.566889101	0.516448471
## Volume.PET	0.333831505	0.368463679
## X3D_surface.PET	0.227468679	0.262169111
## ratio_3ds_vol.PET	0.569293198	0.444703466
## ratio_3ds_vol_norm.PET	0.585896308	0.561112475
## irregularity.PET	0.966107606	0.750931915
## tumor_length.PET	0.608598375	0.596465615
## Compactness_v1.PET	0.553611960	0.542753693
## Compactness_v2.PET	0.232928140	0.164086458
## Spherical_disproportion.PET	0.585896308	0.561112475
## Sphericity.PET	0.232839582	0.149976638
## Asphericity.PET	0.564023099	0.544999101
## Center_of_mass.PET	0.374960232	0.388081715
## Max_3D_diam.PET	0.465589801	0.399274504
## Major_axis_length.PET	0.508091351	0.423206821
## Minor_axis_length.PET	0.667179963	0.651055673
## Least_axis_length.PET	0.566002167	0.555462775
## Elongation.PET	0.860991717	0.745820823
## Flatness.PET	0.799274120	0.691285619
## Max_cooc.L.PET	0.470574139	0.472084340
## Average_cooc.L.PET	0.806953980	0.583128240
## Variance_cooc.L.PET	0.640140436	0.416399841
## Entropy_cooc.L.PET	0.980446562	0.799492425
## DAVE_cooc.L.PET	0.752586089	0.537943125
## DVAR_cooc.L.PET	0.666787598	0.515727381
## DENT_cooc.L.PET	0.968431719	0.761259986
## SAVE_cooc.L.PET	0.806762513	0.582821080
## SVAR_cooc.L.PET	0.649081574	0.422585865
## SENT_cooc.L.PET	0.974215740	0.780388675
## ASM_cooc.L.PET	0.441817933	0.456893809
## Contrast_cooc.L.PET	0.539694019	0.350421396
## Dissimilarity_cooc.L.PET	0.752586089	0.537943125
## Inv_diff_cooc.L.PET	0.857235384	0.773237735
## Inv_diff_norm_cooc.L.PET	0.994781800	0.822608587
## IDM_cooc.L.PET	0.768751581	0.722191726
## IDM_norm_cooc.L.PET	0.998109653	0.819528594
## Inv_var_cooc.L.PET	0.773463857	0.733132452
## Correlation_cooc.L.PET	0.660395074	0.563811466
## Autocorrelation_cooc.L.PET	0.598514913	0.389034112
## Tendency_cooc.L.PET	0.649081574	0.422585865
## Shade_cooc.L.PET	0.322598117	0.217078863
## Prominence_cooc.L.PET	0.455110384	0.254889928
## IC1_.L.PET	-0.347266525	-0.062881305
## IC2_.L.PET	0.895160008	0.653502665
## Coarseness_vdif_.L.PET	0.476146611	0.395811580
## Contrast_vdif_.L.PET	0.226667399	0.089155783
## Busyness_vdif_.L.PET	0.322551456	0.394563719
## Complexity_vdif_.L.PET	0.712866308	0.530454473
## Strength_vdif_.L.PET	0.289936158	0.108434387
## SRE_align.L.PET	0.998839297	0.810931325
## LRE_align.L.PET	0.992229900	0.817930717
## GLNU_align.L.PET	0.266545082	0.331050915
## RLNU_align.L.PET	0.239408718	0.277748916

## RP_align.L.PET	0.998558371	0.809525262
## LGRE_align.L.PET	0.632576511	0.580339337
## HGRE_align.L.PET	0.620235041	0.411530982
## LGSRE_align.L.PET	0.637358037	0.584408559
## HGSRE_align.L.PET	0.618633230	0.409590804
## LGHRE_align.L.PET	0.610168181	0.561295447
## HGLRE_align.L.PET	0.624895597	0.418416855
## GLNU_norm_align.L.PET	0.680507235	0.634111447
## RLNU_norm_align.L.PET	0.996835610	0.804568642
## GLVAR_align.L.PET	0.667658390	0.447946834
## RLVAR_align.L.PET	0.647028886	0.647802904
## Entropy_align.L.PET	0.984612941	0.797281901
## SZSE.L.PET	0.976559885	0.792122968
## LZSE.L.PET	0.694180768	0.588858216
## LGLZE.L.PET	0.644374330	0.594030628
## HGLZE.L.PET	0.630022679	0.421133515
## SZLGE.L.PET	0.653403337	0.602103781
## SZHGE.L.PET	0.625260618	0.420589421
## LZLGE.L.PET	0.512406224	0.482647439
## LZHGE.L.PET	0.515420165	0.338554846
## GLNU_area.L.PET	0.267833484	0.327736609
## ZSNU.L.PET	0.240225271	0.272512046
## ZSP.L.PET	0.982557796	0.789446253
## GLNU_norm.L.PET	0.680817632	0.634921267
## ZSNU_norm.L.PET	0.983878300	0.781919726
## GLVAR_area.L.PET	0.678752719	0.460043994
## ZSVAR.L.PET	0.455388201	0.475050706
## Entropy_area.L.PET	0.985760092	0.806864679
## Max_cooc.H.PET	0.306118922	0.196709305
## Average_cooc.H.PET	0.972408273	0.765360023
## Variance_cooc.H.PET	0.858979196	0.720358837
## Entropy_cooc.H.PET	0.836526446	0.679298615
## DAVE_cooc.H.PET	0.879883301	0.723618457
## DVAR_cooc.H.PET	0.854873896	0.696587208
## DENT_cooc.H.PET	0.776142199	0.641037861
## SAVE_cooc.H.PET	0.979068987	0.778515011
## SVAR_cooc.H.PET	0.846245412	0.696933875
## SENT_cooc.H.PET	0.695504370	0.623501181
## ASM_cooc.H.PET	0.291099183	0.199071005
## Contrast_cooc.H.PET	0.784554190	0.640800241
## Dissimilarity_cooc.H.PET	0.879883301	0.723618457
## Inv_diff_cooc.H.PET	0.672231766	0.514964435
## Inv_diff_norm_cooc.H.PET	0.995478508	0.808855089
## IDM_cooc.H.PET	0.567600495	0.425187650
## IDM_norm_cooc.H.PET	0.998371631	0.812752803
## Inv_var_cooc_.H.PET	0.595511954	0.582657290
## Correlation_cooc.H.PET	0.668243477	0.571641839
## Autocorrelation_cooc.H.PET	0.914063480	0.702655758
## Tendency_cooc.H.PET	0.822362082	0.698898407
## Shade_cooc.H.PET	-0.415133646	-0.319032518
## Prominence_cooc.H.PET	0.607758247	0.531989018
## IC1_d.H.PET	-0.110102924	0.005182067
## IC2_d.H.PET	0.782589767	0.642293695
## Coarseness_vdif.H.PET	0.434463871	0.438185090

## Contrast_vdif.H.PET	0.283204240	0.135361380
## Busyness_vdif.H.PET	0.128020866	0.182821432
## Complexity_vdif.H.PET	0.660405669	0.552269194
## Strength_vdif.H.PET	0.020267306	-0.040252606
## SRE_align.H.PET	0.973985743	0.804688987
## LRE_align.H.PET	0.636588460	0.480948023
## RLNU_align.H.PET	0.237897708	0.268450520
## RP_align.H.PET	0.962051295	0.792869838
## LGRE_align.H.PET	0.458966829	0.467197514
## HGRE_align.H.PET	0.919408249	0.708875920
## LGSRE_align.H.PET	0.456527921	0.465224801
## HGSRE_align.H.PET	0.965297997	0.759538145
## LGHRE_align.H.PET	0.472032488	0.477745076
## HGLRE_align.H.PET	0.435872202	0.307666271
## GLNU_norm_align.H.PET	0.509400625	0.361385055
## RLNU_norm_align.H.PET	0.912196075	0.758098689
## GLVAR_align.H.PET	0.826101084	0.697908910
## RLVAR_align.H.PET	0.283133737	0.214829755
## Entropy_align.H.PET	0.904410920	0.764734129
## SZSE.H.PET	0.859917767	0.735548129
## LZSE.H.PET	-0.060229766	-0.079874438
## LGLZE.H.PET	0.459641351	0.466896014
## HGLZE.H.PET	0.869886914	0.692748699
## SZLGE.H.PET	0.453249462	0.461974224
## SZHGE.H.PET	0.834927363	0.684662732
## LZLGE.H.PET	0.003807428	-0.013972475
## LZHGE.H.PET	-0.052011774	-0.074297367
## GLNU_area.H.PET	0.277461714	0.337684320
## ZSNU.H.PET	0.205933263	0.209421506
## ZSP.H.PET	0.676183910	0.579892368
## GLNU_norm.H.PET	0.521661045	0.371403198
## ZSNU_norm.H.PET	0.729261185	0.623408841
## GLVAR_area.H.PET	0.805352682	0.679573961
## ZSVAR_H.PET	-0.057396449	-0.075379019
## Entropy_area.H.PET	0.951042241	0.809437532
## Max_cooc.W.PET	0.345114063	0.267595851
## Average_cooc.W.PET	0.530106018	0.440067883
## Variance_cooc.W.PET	0.264959817	0.221999287
## Entropy_cooc.W.PET	0.861733615	0.730662999
## DAVE_cooc.W.PET	0.555403479	0.460120837
## DVAR_cooc.W.PET	0.297575837	0.233534213
## DENT_cooc.W.PET	0.845880794	0.714038468
## SAVE_cooc.W.PET	0.529346116	0.439249774
## SVAR_cooc.W.PET	0.239914435	0.210071658
## SENT_cooc.W.PET	0.899780542	0.764952496
## ASM_cooc.W.PET	0.381393974	0.333026217
## Contrast_cooc.W.PET	0.306335213	0.232841181
## Dissimilarity_cooc.W.PET	0.555403479	0.460120837
## Inv_diff_cooc.W.PET	0.751775032	0.585442849
## Inv_diff_norm_cooc.W.PET	0.995010723	0.821559853
## IDM_cooc.W.PET	0.617577413	0.467289314
## IDM_norm_cooc.W.PET	0.998221681	0.819305730
## Inv_var_cooc.W.PET	0.688079157	0.537890601
## Correlation_cooc.W.PET	0.659958229	0.565439061

## Autocorrelation_cooc.W.PET	0.261639810	0.205132813
## Tendency_cooc.W.PET	0.239914435	0.210071658
## Shade_cooc.W.PET	0.047703469	0.073131294
## Prominence_cooc.W.PET	0.014758785	0.033488992
## IC1_d.W.PET	-0.127068534	0.018955024
## IC2_d.W.PET	0.847615319	0.675296694
## Coarseness_vdif.W.PET	0.443880942	0.335714286
## Contrast_vdif.W.PET	0.484678412	0.365667687
## Busyness_vdif.W.PET	0.233113610	0.183489553
## Complexity_vdif.W.PET	0.173589712	0.159674157
## Strength_vdif.W.PET	0.253048549	0.184799600
## SRE_align.W.PET	0.993528468	0.815454023
## LRE_align.W.PET	0.866092075	0.681455215
## GLNU_align.W.PET	0.273316298	0.338101889
## RLNU_align.W.PET	0.239183111	0.275205954
## RP_align.W.PET	0.989313958	0.812122340
## LGRE_align.W.PET	0.494000094	0.361312345
## HGRE_align.W.PET	0.264458698	0.208639774
## LGSRE_align.W.PET	0.530418722	0.397817643
## HGSRE_align.W.PET	0.260102552	0.204023487
## LGHRE_align.W.PET	0.329852038	0.209359694
## HGLRE_align.W.PET	0.281714541	0.227359257
## GLNU_norm_align.W.PET	0.510734867	0.377097864
## RLNU_norm_align.W.PET	0.970733070	0.802403262
## GLVAR_align.W.PET	0.265158138	0.224502528
## RLVAR_align.W.PET	0.357707427	0.279010114
## Entropy_align.W.PET	0.906636589	0.765582041
## SZSE.W.PET	0.944373594	0.788718635
## LZSE.W.PET	0.125649969	0.062614821
## LGLZE.W.PET	0.519229249	0.395972173
## HGLZE.W.PET	0.268017685	0.211773341
## SZLGE.W.PET	0.594897610	0.485274338
## SZHGE.W.PET	0.255661030	0.197232367
## LZLGE.W.PET	-0.004379648	-0.064427005
## LZHGE.W.PET	0.305074856	0.277268115
## GLNU_area.W.PET	0.282780441	0.347131855
## ZSNU.W.PET	0.225969259	0.247647693
## ZSP.W.PET	0.874817271	0.734592628
## GLNU_norm.W.PET	0.530376683	0.391597616
## ZSNU_norm.W.PET	0.870616385	0.731735370
## GLVAR_area.W.PET	0.269150652	0.230354869
## ZSVAR.W.PET	0.037855601	0.003287651
## Entropy_area.W.PET	0.943643700	0.796224304
## Min_hist.ADC	0.321166150	0.073376778
## Max_hist.ADC	0.886451252	0.852835022
## Mean_hist.ADC	0.866103733	0.708891723
## Variance_hist.ADC	0.450645024	0.415251557
## Standard_Deviation_hist.ADC	0.726554097	0.624956986
## Skewness_hist.ADC	0.231231691	0.276046638
## Kurtosis_hist.ADC	0.283631790	0.521080315
## Energy_hist.ADC	0.452803042	0.437161965
## Entropy_hist.ADC	0.956227871	0.844055670
## AUC_hist.ADC	0.978023740	0.848406475
## Volume.ADC	0.321923724	0.366165460

## X3D_surface.ADC	0.440271643	0.643036795
## ratio_3ds_vol.ADC	0.638746870	0.293397918
## ratio_3ds_vol_norm.ADC	0.941713226	0.820712987
## irregularity.ADC	0.955232041	0.704622311
## Compactness_v1.ADC	0.690614723	0.608758965
##	Correlation_cooc.L.ADC	Autocorrelation_.L.ADC
## Failure	-0.033064583	-0.077394549
## Entropy_cooc.W.ADC	0.097117955	-0.028612701
## GLNU_align.H.PET	0.073795439	-0.099175952
## Min_hist.PET	0.311000251	0.353934657
## Max_hist.PET	0.379805271	0.318812157
## Mean_hist.PET	0.318316848	0.317471845
## Variance_hist.PET	0.153264145	0.084006131
## Standard_Deviation_hist.PET	0.357478358	0.306950471
## Skewness_hist.PET	0.462175789	0.439570216
## Kurtosis_hist.PET	0.257857248	0.109204196
## Energy_hist.PET	0.292914426	0.287469640
## Entropy_hist.PET	0.715919693	0.534655082
## AUC_hist.PET	0.728073175	0.633246948
## H_suv.PET	0.379545155	0.337305325
## Volume.PET	0.404197657	0.023111590
## X3D_surface.PET	0.267492389	0.112493294
## ratio_3ds_vol.PET	0.294859809	0.483791721
## ratio_3ds_vol_norm.PET	0.406422506	0.369553412
## irregularity.PET	0.669716741	0.665717444
## tumor_length.PET	0.542967225	0.328850532
## Compactness_v1.PET	0.418036701	0.284315679
## Compactness_v2.PET	0.186270609	0.081012992
## Spherical_disproportion.PET	0.406422506	0.369553412
## Sphericity.PET	0.215174320	0.087026887
## Asphericity.PET	0.390542064	0.355224116
## Center_of_mass.PET	0.384010427	0.190806267
## Max_3D_diam.PET	0.419818078	0.190161804
## Major_axis_length.PET	0.422419708	0.199756190
## Minor_axis_length.PET	0.593957816	0.334681893
## Least_axis_length.PET	0.537934058	0.247733121
## Elongation.PET	0.598557636	0.617160321
## Flatness.PET	0.609206558	0.528499548
## Max_cooc.L.PET	0.342655903	0.270465272
## Average_cooc.L.PET	0.497963767	0.493537977
## Variance_cooc.L.PET	0.359476944	0.474406357
## Entropy_cooc.L.PET	0.698209559	0.604214863
## DAVE_cooc.L.PET	0.435786786	0.562898768
## DVAR_cooc.L.PET	0.364295353	0.543486316
## DENT_cooc.L.PET	0.657640663	0.646815848
## SAVE_cooc.L.PET	0.497791420	0.493450996
## SVAR_cooc.L.PET	0.393815195	0.435894554
## SENT_cooc.L.PET	0.667550898	0.635240530
## ASM_cooc.L.PET	0.321022231	0.250725472
## Contrast_cooc.L.PET	0.256488396	0.471677540
## Dissimilarity_cooc.L.PET	0.435786786	0.562898768
## Inv_diff_cooc.L.PET	0.691907249	0.515592852
## Inv_diff_norm_cooc.L.PET	0.728721848	0.629976732
## IDM_cooc.L.PET	0.643189653	0.457400975

## IDM_norm_cooc.L.PET	0.724017903	0.635170558
## Inv_var_cooc.L.PET	0.653654177	0.456344554
## Correlation_cooc.L.PET	0.552261379	0.315861423
## Autocorrelation_cooc.L.PET	0.339751707	0.336952950
## Tendency_cooc.L.PET	0.393815195	0.435894554
## Shade_cooc.L.PET	0.230371050	0.284845675
## Prominence_cooc.L.PET	0.261894016	0.350229047
## IC1_.L.PET	-0.084270145	-0.372607286
## IC2_.L.PET	0.549330186	0.634972564
## Coarseness_vdif_.L.PET	0.277765505	0.323358916
## Contrast_vdif_.L.PET	0.042028394	0.331199698
## Busyness_vdif_.L.PET	0.412736048	0.130323803
## Complexity_vdif_.L.PET	0.401508494	0.596926992
## Strength_vdif_.L.PET	0.106357963	0.357435616
## SRE_align.L.PET	0.712225825	0.644545500
## LRE_align.L.PET	0.719904875	0.638336552
## GLNU_align.L.PET	0.327349157	0.102951152
## RLNU_align.L.PET	0.275420935	0.077062390
## RP_align.L.PET	0.710185831	0.645614231
## LGRE_align.L.PET	0.509364931	0.477921668
## HGRE_align.L.PET	0.337010706	0.363060274
## LGSRE_align.L.PET	0.510391115	0.479924099
## HGSRE_align.L.PET	0.335028160	0.363446250
## LGHRE_align.L.PET	0.501437385	0.466421558
## HGLRE_align.L.PET	0.343607891	0.360830295
## GLNU_norm_align.L.PET	0.526928571	0.447448047
## RLNU_norm_align.L.PET	0.703010621	0.647721308
## GLVAR_align.L.PET	0.381373240	0.464604105
## RLVAR_align.L.PET	0.530335332	0.358771477
## Entropy_align.L.PET	0.694294533	0.608405946
## SZSE.L.PET	0.709796323	0.612968618
## LZSE.L.PET	0.476844224	0.491875544
## LGLZE.L.PET	0.513563436	0.485792437
## HGLZE.L.PET	0.343900497	0.373750396
## SZLGE.L.PET	0.515324532	0.482168509
## SZHGE.L.PET	0.353850089	0.365065433
## LZLGE.L.PET	0.441269572	0.406038996
## LZHGE.L.PET	0.235757754	0.326501079
## GLNU_area.L.PET	0.330603607	0.099381481
## ZSNU.L.PET	0.279684368	0.071977076
## ZSP.L.PET	0.702692754	0.625429819
## GLNU_norm.L.PET	0.526396680	0.445872500
## ZSNU_norm.L.PET	0.687401755	0.636968950
## GLVAR_area.L.PET	0.386228618	0.470329835
## ZSVAR.L.PET	0.389318915	0.280823730
## Entropy_area.L.PET	0.702839908	0.607107975
## Max_cooc.H.PET	0.239099944	0.166513167
## Average_cooc.H.PET	0.704493867	0.633074763
## Variance_cooc.H.PET	0.579639022	0.537909459
## Entropy_cooc.H.PET	0.555738365	0.554255051
## DAVE_cooc.H.PET	0.581036966	0.612004302
## DVAR_cooc.H.PET	0.570275177	0.555399503
## DENT_cooc.H.PET	0.601070736	0.527925774
## SAVE_cooc.H.PET	0.724000908	0.650078399

## SVAR_cooc.H.PET	0.637700835	0.510831472
## SENT_cooc.H.PET	0.439762196	0.495672882
## ASM_cooc.H.PET	0.228832427	0.114905420
## Contrast_cooc.H.PET	0.494424431	0.549181712
## Dissimilarity_cooc.H.PET	0.581036966	0.612004302
## Inv_diff_cooc.H.PET	0.522313739	0.378798644
## Inv_diff_norm_cooc.H.PET	0.721092999	0.632905124
## IDM_cooc.H.PET	0.448647759	0.310282349
## IDM_norm_cooc.H.PET	0.719952706	0.639836303
## Inv_var_cooc_.H.PET	0.414726260	0.359011139
## Correlation_cooc.H.PET	0.540043637	0.323603930
## Autocorrelation_cooc.H.PET	0.672837705	0.586770131
## Tendency_cooc.H.PET	0.573829110	0.483718975
## Shade_cooc.H.PET	-0.253549564	-0.292564584
## Prominence_cooc.H.PET	0.410618726	0.336846690
## IC1_d.H.PET	-0.098844185	-0.035177701
## IC2_d.H.PET	0.593183286	0.458522502
## Coarseness_vdif.H.PET	0.303128541	0.255757701
## Contrast_vdif.H.PET	0.139855226	0.138722998
## Busyness_vdif.H.PET	0.289226892	0.019487809
## Complexity_vdif.H.PET	0.369642277	0.520877026
## Strength_vdif.H.PET	-0.004140919	0.015214486
## SRE_align.H.PET	0.682227878	0.646709428
## LRE_align.H.PET	0.505547967	0.361147095
## RLNU_align.H.PET	0.258514486	0.063244797
## RP_align.H.PET	0.667130605	0.642280081
## LGRE_align.H.PET	0.327268427	0.244888025
## HGRE_align.H.PET	0.667219387	0.584168858
## LGSRE_align.H.PET	0.325456103	0.243706349
## HGSRE_align.H.PET	0.680892990	0.646519353
## LGHRE_align.H.PET	0.337466269	0.251297581
## HGLRE_align.H.PET	0.360010747	0.216291523
## GLNU_norm_align.H.PET	0.392193521	0.302793182
## RLNU_norm_align.H.PET	0.619507300	0.622711249
## GLVAR_align.H.PET	0.563041871	0.510733421
## RLVAR_align.H.PET	0.268525559	0.123294166
## Entropy_align.H.PET	0.647983850	0.548471812
## SZSE.H.PET	0.615925707	0.574915447
## LZSE.H.PET	0.001712449	-0.045718826
## LGLZE.H.PET	0.328223527	0.243623708
## HGLZE.H.PET	0.705970681	0.594284253
## SZLGE.H.PET	0.324879746	0.239909173
## SZHGE.H.PET	0.612439936	0.618189239
## LZLGE.H.PET	0.036220273	-0.019674975
## LZHGE.H.PET	-0.002160130	-0.057234580
## GLNU_area.H.PET	0.350610653	0.111493128
## ZSNU.H.PET	0.204848097	0.025272476
## ZSP.H.PET	0.463220138	0.468482595
## GLNU_norm.H.PET	0.381142659	0.301243829
## ZSNU_norm.H.PET	0.494874928	0.506273759
## GLVAR_area.H.PET	0.552578500	0.486820992
## ZSVAR_H.PET	-0.001831518	-0.052581657
## Entropy_area.H.PET	0.704407276	0.574163691
## Max_cooc.W.PET	0.252025822	0.175071991

## Average_cooc.W.PET	0.337051134	0.266877126
## Variance_cooc.W.PET	0.159023744	0.100604257
## Entropy_cooc.W.PET	0.600265789	0.548956246
## DAVE_cooc.W.PET	0.339696846	0.361091847
## DVAR_cooc.W.PET	0.155489872	0.160176798
## DENT_cooc.W.PET	0.580965771	0.566868897
## SAVE_cooc.W.PET	0.336494012	0.266450025
## SVAR_cooc.W.PET	0.157037156	0.069785729
## SENT_cooc.W.PET	0.626701761	0.589984489
## ASM_cooc.W.PET	0.283608483	0.177792796
## Contrast_cooc.W.PET	0.149635203	0.172014293
## Dissimilarity_cooc.W.PET	0.339696846	0.361091847
## Inv_diff_cooc.W.PET	0.572884678	0.447186793
## Inv_diff_norm_cooc.W.PET	0.727784476	0.630782827
## IDM_cooc.W.PET	0.480868521	0.347115111
## IDM_norm_cooc.W.PET	0.723288328	0.636399550
## Inv_var_cooc.W.PET	0.528873281	0.407144204
## Correlation_cooc.W.PET	0.553639031	0.314773783
## Autocorrelation_cooc.W.PET	0.137811064	0.041873137
## Tendency_cooc.W.PET	0.157037156	0.069785729
## Shade_cooc.W.PET	0.055191831	-0.009554061
## Prominence_cooc.W.PET	0.012709602	-0.057353141
## IC1_d.W.PET	-0.091273790	-0.094077881
## IC2_d.W.PET	0.608121511	0.547269011
## Coarseness_vdif.W.PET	0.229100394	0.330670815
## Contrast_vdif.W.PET	0.254076675	0.362968320
## Busyness_vdif.W.PET	0.323991464	0.055380954
## Complexity_vdif.W.PET	0.107478369	0.024499025
## Strength_vdif.W.PET	0.213959964	0.262912638
## SRE_align.W.PET	0.704392850	0.650625428
## LRE_align.W.PET	0.646534425	0.521055854
## GLNU_align.W.PET	0.371994981	0.125763861
## RLNU_align.W.PET	0.266966148	0.071390934
## RP_align.W.PET	0.697942499	0.650958960
## LGRE_align.W.PET	0.389355706	0.332410201
## HGRE_align.W.PET	0.130720576	0.047598943
## LGSRE_align.W.PET	0.412723378	0.368209824
## HGSRE_align.W.PET	0.126428650	0.046085679
## LGHRE_align.W.PET	0.282653682	0.186726666
## HGLRE_align.W.PET	0.147445879	0.054494072
## GLNU_norm_align.W.PET	0.390176834	0.301771351
## RLNU_norm_align.W.PET	0.676352013	0.649607778
## GLVAR_align.W.PET	0.153125961	0.084289122
## RLVAR_align.W.PET	0.313454469	0.154701780
## Entropy_align.W.PET	0.643783806	0.557746866
## SZSE.W.PET	0.678559411	0.622219711
## LZSE.W.PET	0.095405455	0.047301255
## LGLZE.W.PET	0.401555450	0.334045956
## HGLZE.W.PET	0.134900088	0.054632393
## SZLGE.W.PET	0.449835914	0.403070383
## SZHGE.W.PET	0.128309678	0.050078194
## LZLGE.W.PET	0.036389080	-0.032262448
## LZHGE.W.PET	0.137537295	0.105332193
## GLNU_area.W.PET	0.375304107	0.123090061

## ZSNU.W.PET	0.243288432	0.052899773
## ZSP.W.PET	0.618632808	0.591546630
## GLNU_norm.W.PET	0.392657014	0.304820137
## ZSNU_norm.W.PET	0.597052381	0.610457631
## GLVAR_area.W.PET	0.155636226	0.089364920
## ZSVAR.W.PET	0.039478172	-0.002411855
## Entropy_area.W.PET	0.684833063	0.572621528
## Min_hist.ADC	0.067748594	0.187755743
## Max_hist.ADC	0.810224927	0.518715085
## Mean_hist.ADC	0.624921403	0.791992650
## Variance_hist.ADC	0.640166053	0.224362580
## Standard_Deviation_hist.ADC	0.771381082	0.426386758
## Skewness_hist.ADC	0.237345636	-0.459430104
## Kurtosis_hist.ADC	-0.004895036	0.205301807
## Energy_hist.ADC	0.296453610	0.253692633
## Entropy_hist.ADC	0.783868947	0.589115028
## AUC_hist.ADC	0.750068793	0.529417532
## Volume.ADC	0.402796858	0.020483434
## X3D_surface.ADC	0.638459971	0.060606725
## ratio_3ds_vol.ADC	0.227023882	0.527016862
## ratio_3ds_vol_norm.ADC	0.733073423	0.601313930
## irregularity.ADC	0.608601180	0.621842283
## Compactness_v1.ADC	0.474081800	0.412347693
##	Tendency_cooc.L.ADC	Shade_.L.ADC
## Failure	0.210197242	0.2763409087
## Entropy_cooc.W.ADC	-0.070068893	-0.1291801303
## GLNU_align.H.PET	-0.141089079	-0.1095028097
## Min_hist.PET	0.236715308	0.0679732410
## Max_hist.PET	0.203016678	0.0736276655
## Mean_hist.PET	0.219866254	0.0866093928
## Variance_hist.PET	0.088461591	0.1003530290
## Standard_Deviation_hist.PET	0.206395754	0.1011410275
## Skewness_hist.PET	0.304705014	0.0286506364
## Kurtosis_hist.PET	0.082999475	-0.0346920349
## Energy_hist.PET	0.389187795	0.1804539510
## Entropy_hist.PET	0.474586562	0.1223309961
## AUC_hist.PET	0.553076671	0.1809901678
## H_suv.PET	0.225055935	0.1298931311
## Volume.PET	0.072811135	0.0785959913
## X3D_surface.PET	0.089975654	-0.0520391103
## ratio_3ds_vol.PET	0.422563953	0.1554669548
## ratio_3ds_vol_norm.PET	0.342622737	0.1251409760
## irregularity.PET	0.584938448	0.1858671904
## tumor_length.PET	0.289007538	0.0366245174
## Compactness_v1.PET	0.394286522	0.1869830536
## Compactness_v2.PET	0.034761688	-0.0166938858
## Spherical_disproportion.PET	0.342622737	0.1251409760
## Sphericity.PET	0.026607479	-0.0154469863
## Asphericity.PET	0.331094178	0.1218344903
## Center_of_mass.PET	0.228260980	0.0455247613
## Max_3D_diam.PET	0.153667142	0.0376165380
## Major_axis_length.PET	0.233506361	0.0758442388
## Minor_axis_length.PET	0.227429085	0.0354234794
## Least_axis_length.PET	0.158972881	0.0257437766

## Elongation.PET	0.393401019	0.0694352320
## Flatness.PET	0.333130408	0.0703202452
## Max_cooc.L.PET	0.390221516	0.1907989111
## Average_cooc.L.PET	0.527330900	0.2288845256
## Variance_cooc.L.PET	0.498395388	0.1966633567
## Entropy_cooc.L.PET	0.521505142	0.1748913022
## DAVE_cooc.L.PET	0.493851845	0.1611379159
## DVAR_cooc.L.PET	0.407369409	0.0975595795
## DENT_cooc.L.PET	0.556522625	0.1822652294
## SAVE_cooc.L.PET	0.527107560	0.2287568003
## SVAR_cooc.L.PET	0.521276049	0.2330508333
## SENT_cooc.L.PET	0.565261161	0.2087809051
## ASM_cooc.L.PET	0.366873772	0.1797075785
## Contrast_cooc.L.PET	0.394899777	0.1123618754
## Dissimilarity_cooc.L.PET	0.493851845	0.1611379159
## Inv_diff_cooc.L.PET	0.437345846	0.1273945604
## Inv_diff_norm_cooc.L.PET	0.537897652	0.1717180270
## IDM_cooc.L.PET	0.393678663	0.1090362013
## IDM_norm_cooc.L.PET	0.544917265	0.1757148152
## Inv_var_cooc.L.PET	0.396689602	0.1132331595
## Correlation_cooc.L.PET	0.375157898	0.1732252087
## Autocorrelation_cooc.L.PET	0.470549922	0.2419258236
## Tendency_cooc.L.PET	0.521276049	0.2330508333
## Shade_cooc.L.PET	0.273594885	0.1195347860
## Prominence_cooc.L.PET	0.453812180	0.2230920142
## IC1_.L.PET	-0.349235025	-0.1331443042
## IC2_.L.PET	0.591392821	0.2199486299
## Coarseness_vdif_.L.PET	0.449134457	0.2173883532
## Contrast_vdif_.L.PET	0.211047442	0.0079490110
## Busyness_vdif_.L.PET	0.064904067	-0.0234456884
## Complexity_vdif_.L.PET	0.441283157	0.1026081547
## Strength_vdif_.L.PET	0.331710117	0.1051511726
## SRE_align.L.PET	0.557383108	0.1809073457
## LRE_align.L.PET	0.529012934	0.1629086606
## GLNU_align.L.PET	0.032354307	-0.0397227129
## RLNU_align.L.PET	0.025291446	-0.0385623790
## RP_align.L.PET	0.558144921	0.1813983734
## LGRE_align.L.PET	0.396161466	0.0896372481
## HGRE_align.L.PET	0.454967459	0.2199116296
## LGSRE_align.L.PET	0.399937914	0.0931396250
## HGSRE_align.L.PET	0.455989691	0.2197512589
## LGHRE_align.L.PET	0.378072328	0.0747655608
## HGLRE_align.L.PET	0.448822283	0.2194887909
## GLNU_norm_align.L.PET	0.472848617	0.1706721320
## RLNU_norm_align.L.PET	0.560672485	0.1835842382
## GLVAR_align.L.PET	0.496246327	0.2009385896
## RLVAR_align.L.PET	0.372808703	0.1422088972
## Entropy_align.L.PET	0.529639773	0.1820465764
## SZSE.L.PET	0.567903343	0.1922757356
## LZSE.L.PET	0.287598814	0.0601609098
## LGLZE.L.PET	0.397243446	0.0897326855
## HGLZE.L.PET	0.457825718	0.2191507615
## SZLGE.L.PET	0.410602537	0.1017679740
## SZHGE.L.PET	0.468407699	0.2239884655

## LZLGE.L.PET	0.290465991	0.0309704932
## LZHGE.L.PET	0.316050956	0.1569362969
## GLNU_area.L.PET	0.039680663	-0.0368723449
## ZSNU.L.PET	0.034896637	-0.0343145135
## ZSP.L.PET	0.573592309	0.1939989453
## GLNU_norm.L.PET	0.472459603	0.1698730331
## ZSNU_norm.L.PET	0.575765801	0.1956489147
## GLVAR_area.L.PET	0.498095340	0.2054213633
## ZSVAR.L.PET	0.135200763	0.0128715894
## Entropy_area.L.PET	0.519873949	0.1770984330
## Max_cooc.H.PET	0.350056583	0.1439599741
## Average_cooc.H.PET	0.584680002	0.1898830917
## Variance_cooc.H.PET	0.394103496	0.1444596683
## Entropy_cooc.H.PET	0.411266785	0.1477375590
## DAVE_cooc.H.PET	0.434480810	0.1274464026
## DVAR_cooc.H.PET	0.451019017	0.1668090507
## DENT_cooc.H.PET	0.373107701	-0.0001915594
## SAVE_cooc.H.PET	0.591354280	0.1835794466
## SVAR_cooc.H.PET	0.440301452	0.1363964170
## SENT_cooc.H.PET	0.363433227	0.1251654261
## ASM_cooc.H.PET	0.359731722	0.1925321425
## Contrast_cooc.H.PET	0.383782959	0.1245404795
## Dissimilarity_cooc.H.PET	0.434480810	0.1274464026
## Inv_diff_cooc.H.PET	0.496884472	0.1943444338
## Inv_diff_norm_cooc.H.PET	0.561870843	0.1838868644
## IDM_cooc.H.PET	0.453731215	0.1826296804
## IDM_norm_cooc.H.PET	0.556391607	0.1791213322
## Inv_var_cooc.H.PET	0.392465635	0.1794645899
## Correlation_cooc.H.PET	0.351221933	0.1539313050
## Autocorrelation_cooc.H.PET	0.593615852	0.2038993987
## Tendency_cooc.H.PET	0.364408137	0.1422836391
## Shade_cooc.H.PET	-0.214297660	-0.1073419733
## Prominence_cooc.H.PET	0.211395558	0.0897748368
## IC1_d.H.PET	-0.037880771	-0.0255368432
## IC2_d.H.PET	0.431594332	0.1756070856
## Coarseness_vdif.H.PET	0.374535629	0.1901331454
## Contrast_vdif.H.PET	0.343091512	0.1773340805
## Busyness_vdif.H.PET	-0.045117190	0.0331425750
## Complexity_vdif.H.PET	0.414795625	0.1345278323
## Strength_vdif.H.PET	0.117313389	0.1144816785
## SRE_align.H.PET	0.509405108	0.1545704722
## LRE_align.H.PET	0.462325530	0.1594576256
## RLNU_align.H.PET	0.039633815	-0.0270181954
## RP_align.H.PET	0.501711046	0.1508072409
## LGRE_align.H.PET	0.373736001	0.1954778725
## HGRE_align.H.PET	0.577025658	0.1934498754
## LGSRE_align.H.PET	0.372960189	0.1951495264
## HGSRE_align.H.PET	0.560493607	0.1663164700
## LGHRE_align.H.PET	0.378057715	0.1967266551
## HGLRE_align.H.PET	0.369899630	0.1541159041
## GLNU_norm_align.H.PET	0.462805449	0.1878938348
## RLNU_norm_align.H.PET	0.457275356	0.1312093711
## GLVAR_align.H.PET	0.369482764	0.1349086119
## RLVAR_align.H.PET	0.256555037	0.0962702965

## Entropy_align.H.PET	0.419224451	0.1413946774
## SZSE.H.PET	0.418807515	0.1076846337
## LZSE.H.PET	0.039421620	-0.0697984573
## LGLZE.H.PET	0.374786407	0.1980827770
## HGLZE.H.PET	0.545691051	0.0881312486
## SZLGE.H.PET	0.373372691	0.1972364686
## SZHGE.H.PET	0.441344436	0.0632104216
## LZLGE.H.PET	0.067572999	-0.0579381265
## LZHGE.H.PET	0.059772944	-0.0324883924
## GLNU_area.H.PET	0.036349325	-0.0379112307
## ZSNU.H.PET	0.056153862	-0.0112037050
## ZSP.H.PET	0.312541396	0.0920261260
## GLNU_norm.H.PET	0.463404140	0.2060187743
## ZSNU_norm.H.PET	0.322863862	0.0763895818
## GLVAR_area.H.PET	0.355804004	0.1311850502
## ZSVAR_H.PET	0.042904795	-0.0673573242
## Entropy_area.H.PET	0.460903569	0.1581164170
## Max_cooc.W.PET	0.364944665	0.1824026300
## Average_cooc.W.PET	0.208505164	0.1213979790
## Variance_cooc.W.PET	0.099673870	0.1007819537
## Entropy_cooc.W.PET	0.383625871	0.1162772179
## DAVE_cooc.W.PET	0.223417108	0.0924142670
## DVAR_cooc.W.PET	0.108679763	0.0911748169
## DENT_cooc.W.PET	0.385124583	0.1121902218
## SAVE_cooc.W.PET	0.207814614	0.1210536834
## SVAR_cooc.W.PET	0.091402466	0.1018381897
## SENT_cooc.W.PET	0.438161965	0.1493292987
## ASM_cooc.W.PET	0.398750208	0.2167796283
## Contrast_cooc.W.PET	0.111977047	0.0887876300
## Dissimilarity_cooc.W.PET	0.223417108	0.0924142670
## Inv_diff_cooc.W.PET	0.522025571	0.1905479741
## Inv_diff_norm_cooc.W.PET	0.539795423	0.1720859023
## IDM_cooc.W.PET	0.473661630	0.1862859879
## IDM_norm_cooc.W.PET	0.545186167	0.1749235429
## Inv_var_cooc.W.PET	0.498565932	0.1854679283
## Correlation_cooc.W.PET	0.372588948	0.1740824631
## Autocorrelation_cooc.W.PET	0.090773364	0.1216911725
## Tendency_cooc.W.PET	0.091402466	0.1018381897
## Shade_cooc.W.PET	0.013358301	0.0557090301
## Prominence_cooc.W.PET	-0.003438328	0.0689160784
## IC1_d.W.PET	-0.060794270	-0.0430516306
## IC2_d.W.PET	0.492799352	0.2063117942
## Coarseness_vdif.W.PET	0.439680817	0.1938449544
## Contrast_vdif.W.PET	0.266353634	0.1281125625
## Busyness_vdif.W.PET	0.199107142	0.0739928183
## Complexity_vdif.W.PET	0.045831705	0.0807376602
## Strength_vdif.W.PET	0.223087621	0.1252090055
## SRE_align.W.PET	0.535355699	0.1665065399
## LRE_align.W.PET	0.537043212	0.1905689874
## GLNU_align.W.PET	0.023256017	-0.0502573788
## RLNU_align.W.PET	0.032277845	-0.0328930082
## RP_align.W.PET	0.529905097	0.1635620409
## LGRE_align.W.PET	0.425504787	0.1344544567
## HGRE_align.W.PET	0.077316526	0.1113426378

## LGSRE_align.W.PET	0.439195231	0.1321529240	
## HGSRE_align.W.PET	0.076406369	0.1113617863	
## LGHRE_align.W.PET	0.350266969	0.1246559089	
## HGLRE_align.W.PET	0.079703507	0.1108336496	
## GLNU_norm_align.W.PET	0.470902476	0.1993826244	
## RLNU_norm_align.W.PET	0.505928916	0.1509677826	
## GLVAR_align.W.PET	0.086916594	0.0997304927	
## RLVAR_align.W.PET	0.322798432	0.1440501238	
## Entropy_align.W.PET	0.417932518	0.1364370712	
## SZSE.W.PET	0.500243949	0.1417093036	
## LZSE.W.PET	0.157557804	0.0412124884	
## LGLZE.W.PET	0.423362262	0.1464334583	
## HGLZE.W.PET	0.080037931	0.1113167615	
## SZLGE.W.PET	0.442894098	0.1368223424	
## SZHGE.W.PET	0.083106158	0.1122747023	
## LZLGE.W.PET	0.126232588	0.0103702857	
## LZHGE.W.PET	0.035962810	0.0839618318	
## GLNU_area.W.PET	0.032508901	-0.0434581754	
## ZSNU.W.PET	0.048312716	-0.0227728917	
## ZSP.W.PET	0.440133783	0.1218340569	
## GLNU_norm.W.PET	0.480020925	0.2065275568	
## ZSNU_norm.W.PET	0.423970398	0.0995211819	
## GLVAR_area.W.PET	0.086293234	0.1011341128	
## ZSVAR.W.PET	0.104042984	0.0048124843	
## Entropy_area.W.PET	0.452491993	0.1520708905	
## Min_hist.ADC	0.505430779	0.3482354177	
## Max_hist.ADC	0.418036803	0.0752948925	
## Mean_hist.ADC	0.521715982	0.0123775514	
## Variance_hist.ADC	0.472697591	0.0382964042	
## Standard_Deviation_hist.ADC	0.564934562	0.0876941135	
## Skewness_hist.ADC	0.112166768	0.6957343965	
## Kurtosis_hist.ADC	-0.337281451	-0.0116755127	
## Energy_hist.ADC	0.408767508	0.2352035043	
## Entropy_hist.ADC	0.432152018	0.0528749352	
## AUC_hist.ADC	0.510889651	0.2580683366	
## Volume.ADC	0.053870899	0.0678458316	
## X3D_surface.ADC	0.004179831	-0.0166569283	
## ratio_3ds_vol.ADC	0.667397303	0.3431486193	
## ratio_3ds_vol_norm.ADC	0.466203412	0.1247242820	
## irregularity.ADC	0.626746714	0.2716602930	
## Compactness_v1.ADC	0.505303054	0.2355988317	
##	Prominence_cooc.L.ADC	IC1_.L.ADC	IC2_.L.ADC
## Failure	0.2858048004	-0.2602666823	0.124423914
## Entropy_cooc.W.ADC	-0.1053649869	0.1990862266	-0.065364948
## GLNU_align.H.PET	-0.1615378986	0.1685978939	-0.087008417
## Min_hist.PET	0.0885920407	-0.0699734847	0.375959610
## Max_hist.PET	0.0510466010	-0.0694987674	0.388879602
## Mean_hist.PET	0.0778482356	-0.0640933476	0.369493912
## Variance_hist.PET	0.0261369392	0.0322619555	0.151603675
## Standard_Deviation_hist.PET	0.0786511274	-0.0658349383	0.383637796
## Skewness_hist.PET	0.1694704771	-0.2228252241	0.516356168
## Kurtosis_hist.PET	-0.0009387800	-0.0952684295	0.192234151
## Energy_hist.PET	0.3165318830	0.1119430526	0.489346485
## Entropy_hist.PET	0.2586823287	-0.3339209233	0.758276429

## AUC_hist.PET	0.3322505306	-0.3573638106	0.891870908
## H_suv.PET	0.0889280227	-0.0939635142	0.438969264
## Volume.PET	-0.0407106636	-0.2168342875	0.254487329
## X3D_surface.PET	0.0243351107	0.0386283893	0.147494679
## ratio_3ds_vol.PET	0.3243172795	-0.1231074708	0.571838711
## ratio_3ds_vol_norm.PET	0.2480641978	-0.0182483287	0.512483958
## irregularity.PET	0.3739144193	-0.3835866369	0.885415319
## tumor_length.PET	0.1534486660	-0.0902378607	0.486406921
## Compactness_v1.PET	0.2893616926	0.0539666349	0.561388369
## Compactness_v2.PET	-0.0388595763	-0.2232759417	0.175115325
## Spherical_disproportion.PET	0.2480641978	-0.0182483287	0.512483958
## Sphericity.PET	-0.0599350799	-0.3162539700	0.182110349
## Asphericity.PET	0.2420490723	-0.0058212256	0.492997150
## Center_of_mass.PET	0.1623645885	-0.1047099608	0.325338366
## Max_3D_diam.PET	0.0192324584	-0.2652790039	0.358685927
## Major_axis_length.PET	0.1013770972	-0.2249731196	0.402609015
## Minor_axis_length.PET	0.0557910967	-0.2177349250	0.519231815
## Least_axis_length.PET	0.0087398277	-0.2015478852	0.418654040
## Elongation.PET	0.1923912245	-0.2450743220	0.737514911
## Flatness.PET	0.1397756687	-0.2348922957	0.667469423
## Max_cooc.L.PET	0.3105204446	0.1180398856	0.502716138
## Average_cooc.L.PET	0.3799480640	-0.3830352019	0.750193770
## Variance_cooc.L.PET	0.3998293722	-0.3901637336	0.648186235
## Entropy_cooc.L.PET	0.3141587526	-0.3751533830	0.850417019
## DAVE_cooc.L.PET	0.3462031686	-0.3833872745	0.725457109
## DVAR_cooc.L.PET	0.2715208638	-0.3076708654	0.648206964
## DENT_cooc.L.PET	0.3512262565	-0.4036780092	0.874487729
## SAVE_cooc.L.PET	0.3797439672	-0.3833951199	0.749945329
## SVAR_cooc.L.PET	0.4337129814	-0.4008497573	0.650495185
## SENT_cooc.L.PET	0.3663844971	-0.3533761992	0.872014900
## ASM_cooc.L.PET	0.2957418309	0.1507689637	0.469722270
## Contrast_cooc.L.PET	0.2921388702	-0.3207575197	0.557182051
## Dissimilarity_cooc.L.PET	0.3462031686	-0.3833872745	0.725457109
## Inv_diff_cooc.L.PET	0.2291575381	-0.1948066921	0.745335815
## Inv_diff_norm_cooc.L.PET	0.3147793451	-0.3550052646	0.876972059
## IDM_cooc.L.PET	0.2010909946	-0.1203675222	0.674698338
## IDM_norm_cooc.L.PET	0.3230104125	-0.3645407808	0.882908284
## Inv_var_cooc.L.PET	0.2045771931	-0.1205494800	0.676691376
## Correlation_cooc.L.PET	0.2584829233	-0.1890854139	0.549486834
## Autocorrelation_cooc.L.PET	0.3840818967	-0.3539880506	0.596798820
## Tendency_cooc.L.PET	0.4337129814	-0.4008497573	0.650495185
## Shade_cooc.L.PET	0.2460780146	-0.1883707207	0.309784799
## Prominence_cooc.L.PET	0.4162178645	-0.3627501895	0.501075862
## IC1_.L.PET	-0.2904419013	0.4172534785	-0.392707725
## IC2_.L.PET	0.4229558601	-0.3532086988	0.834028283
## Coarseness_vdif_.L.PET	0.3752017732	0.0143992694	0.539431198
## Contrast_vdif_.L.PET	0.1504840482	-0.1793270360	0.296237403
## Busyness_vdif_.L.PET	-0.0452939669	-0.1550741103	0.256389013
## Complexity_vdif_.L.PET	0.2840773363	-0.2952891747	0.683440694
## Strength_vdif_.L.PET	0.2679532964	-0.2023003808	0.377372738
## SRE_align.L.PET	0.3379470413	-0.3764266974	0.891501173
## LRE_align.L.PET	0.3050123121	-0.3608076557	0.873574480
## GLNU_align.L.PET	-0.0612087462	-0.0780308874	0.185115465
## RLNU_align.L.PET	-0.0539395652	-0.0568531497	0.141390274

## RP_align.L.PET	0.3391669154	-0.3770886119	0.891717169
## LGRE_align.L.PET	0.2450133699	-0.1100981584	0.619170283
## HGRE_align.L.PET	0.3568623072	-0.3468287952	0.609736304
## LGSRE_align.L.PET	0.2486465228	-0.1078840304	0.623705674
## HGSRE_align.L.PET	0.3582634734	-0.3476225284	0.609842423
## LGHRE_align.L.PET	0.2281651207	-0.1164160558	0.597195515
## HGLRE_align.L.PET	0.3496313575	-0.3421278105	0.607109934
## GLNU_norm_align.L.PET	0.3229819095	-0.0449442260	0.682907175
## RLNU_norm_align.L.PET	0.3436637173	-0.3788551994	0.891890238
## GLVAR_align.L.PET	0.3924228162	-0.3897098268	0.663280979
## RLVAR_align.L.PET	0.2291108245	0.0284283956	0.593509566
## Entropy_align.L.PET	0.3213202346	-0.3779240732	0.857857211
## SZSE.L.PET	0.3554113229	-0.3743452898	0.881886448
## LZSE.L.PET	0.1199536694	-0.2208252078	0.577014554
## LGLZE.L.PET	0.2429944006	-0.1099105365	0.628599586
## HGLZE.L.PET	0.3579746040	-0.3457503992	0.615895586
## SZLGE.L.PET	0.2571399399	-0.1026875033	0.639406512
## SZHGE.L.PET	0.3700897295	-0.3443560175	0.617149251
## LZLGE.L.PET	0.1539482618	-0.1116646157	0.495414230
## LZHGE.L.PET	0.2313105053	-0.2671784230	0.476071634
## GLNU_area.L.PET	-0.0541424754	-0.0821627993	0.186671806
## ZSNU.L.PET	-0.0448911700	-0.0664564329	0.144853116
## ZSP.L.PET	0.3620866406	-0.3797456242	0.887365478
## GLNU_norm.L.PET	0.3229200858	-0.0404095427	0.681739324
## ZSNU_norm.L.PET	0.3675411269	-0.3805060233	0.888510302
## GLVAR_area.L.PET	0.3931035268	-0.3869925036	0.669691617
## ZSVAR.L.PET	0.0027758674	-0.0429522670	0.368436610
## Entropy_area.L.PET	0.3087219480	-0.3732818451	0.854591985
## Max_cooc.H.PET	0.3010918073	-0.1808229212	0.399026628
## Average_cooc.H.PET	0.3734806801	-0.4292953147	0.898022360
## Variance_cooc.H.PET	0.1996546103	-0.2623963365	0.703070761
## Entropy_cooc.H.PET	0.2288355255	-0.3397000999	0.710619173
## DAVE_cooc.H.PET	0.2273883734	-0.3263067884	0.763735934
## DVAR_cooc.H.PET	0.2528381473	-0.3337504682	0.762706780
## DENT_cooc.H.PET	0.1724171357	-0.2538516143	0.648109477
## SAVE_cooc.H.PET	0.3832794815	-0.4363577731	0.897029132
## SVAR_cooc.H.PET	0.2394532436	-0.2316437756	0.695345067
## SENT_cooc.H.PET	0.2266097863	-0.0023668244	0.558633183
## ASM_cooc.H.PET	0.3210792220	-0.1468936094	0.393326350
## Contrast_cooc.H.PET	0.1955791755	-0.2982791326	0.685630140
## Dissimilarity_cooc.H.PET	0.2273883734	-0.3263067884	0.763735934
## Inv_diff_cooc.H.PET	0.3686897351	-0.3142596249	0.681529154
## Inv_diff_norm_cooc.H.PET	0.3444624657	-0.3737200876	0.890886288
## IDM_cooc.H.PET	0.3503363358	-0.2868602060	0.600846801
## IDM_norm_cooc.H.PET	0.3369855558	-0.3730563130	0.889612420
## Inv_var_cooc_.H.PET	0.2864473822	0.1067486787	0.545335963
## Correlation_cooc.H.PET	0.2264871427	-0.1512135886	0.535266722
## Autocorrelation_cooc.H.PET	0.4011168844	-0.4372964644	0.870070161
## Tendency_cooc.H.PET	0.1839708513	-0.2195916992	0.649598978
## Shade_cooc.H.PET	-0.1231572841	0.0909012500	-0.312326603
## Prominence_cooc.H.PET	0.0698755579	-0.0846078087	0.421532658
## IC1_d.H.PET	-0.0332671392	0.2323082974	-0.047335980
## IC2_d.H.PET	0.2802163330	-0.2247992572	0.656072816
## Coarseness_vdif.H.PET	0.3078964180	0.1418915567	0.468214586

## Contrast_vdif.H.PET	0.2993949478	-0.3026565009	0.407248373
## Busyness_vdif.H.PET	-0.1143319797	-0.3309256695	0.128154716
## Complexity_vdif.H.PET	0.2839467843	-0.0704214714	0.600960487
## Strength_vdif.H.PET	0.1206004403	-0.1139902917	0.097669127
## SRE_align.H.PET	0.2882530727	-0.3317576160	0.847473437
## LRE_align.H.PET	0.3439935187	-0.3503520010	0.631110439
## RLNU_align.H.PET	-0.0384173383	-0.0445496013	0.140486027
## RP_align.H.PET	0.2814146034	-0.3230860931	0.835296106
## LGRE_align.H.PET	0.3001481102	0.1604342009	0.473590678
## HGRE_align.H.PET	0.3752420396	-0.4339358400	0.870533469
## LGSRE_align.H.PET	0.2999580050	0.1611743090	0.471956263
## HGSRE_align.H.PET	0.3383981537	-0.4142394794	0.887366438
## LGHRE_align.H.PET	0.3016502697	0.1554637002	0.482657970
## HGLRE_align.H.PET	0.3018346659	-0.2918338943	0.464537891
## GLNU_norm_align.H.PET	0.3700724679	-0.3030662910	0.584835444
## RLNU_norm_align.H.PET	0.2453659782	-0.2839764412	0.778563483
## GLVAR_align.H.PET	0.1800166226	-0.2383478066	0.666568824
## RLVAR_align.H.PET	0.2252525647	-0.1838102320	0.310142825
## Entropy_align.H.PET	0.2149701437	-0.2657537056	0.733245472
## SZSE.H.PET	0.2174127942	-0.2186236009	0.709917818
## LZSE.H.PET	0.0513318510	-0.0339028907	-0.034908980
## LGLZE.H.PET	0.3008313030	0.1611915409	0.473362050
## HGLZE.H.PET	0.3438497805	-0.3835265093	0.805947443
## SZLGE.H.PET	0.3008169588	0.1629083204	0.469609374
## SZHGE.H.PET	0.2374401101	-0.2697158058	0.719279236
## LZLGE.H.PET	0.0684558930	0.0008214876	0.023730714
## LZHGE.H.PET	0.0813149441	-0.0541939826	-0.010349503
## GLNU_area.H.PET	-0.0577254920	-0.1188746622	0.194691297
## ZSNU.H.PET	-0.0140035668	-0.0262879618	0.114666204
## ZSP.H.PET	0.1515633246	-0.1486201133	0.537458649
## GLNU_norm.H.PET	0.3783457948	-0.3142201169	0.592615555
## ZSNU_norm.H.PET	0.1453750071	-0.1284181418	0.569872240
## GLVAR_area.H.PET	0.1652315051	-0.2156876339	0.639347773
## ZSVAR.H.PET	0.0582273075	-0.0308855030	-0.026780042
## Entropy_area.H.PET	0.2488702180	-0.3206910171	0.800716843
## Max_cooc.W.PET	0.3088425182	-0.0787548599	0.430890045
## Average_cooc.W.PET	0.0813202757	-0.0691336778	0.370524788
## Variance_cooc.W.PET	0.0379761272	0.0251959584	0.158698786
## Entropy_cooc.W.PET	0.1830244312	-0.2449892916	0.691499843
## DAVE_cooc.W.PET	0.0878627889	-0.1076559621	0.412034061
## DVAR_cooc.W.PET	0.0306612645	-0.0092751518	0.193062385
## DENT_cooc.W.PET	0.1856748703	-0.2409659789	0.687963751
## SAVE_cooc.W.PET	0.0807356454	-0.0694846879	0.369674104
## SVAR_cooc.W.PET	0.0390155680	0.0408509643	0.137968288
## SENT_cooc.W.PET	0.2385247302	-0.2271323233	0.739743374
## ASM_cooc.W.PET	0.3444858687	-0.0105448108	0.463727514
## Contrast_cooc.W.PET	0.0314928234	-0.0182507132	0.198232359
## Dissimilarity_cooc.W.PET	0.0878627889	-0.1076559621	0.412034061
## Inv_diff_cooc.W.PET	0.3711515385	-0.3506446835	0.748096370
## Inv_diff_norm_cooc.W.PET	0.3167995787	-0.3563740606	0.878540080
## IDM_cooc.W.PET	0.3566922771	-0.3141396017	0.644730672
## IDM_norm_cooc.W.PET	0.3231465968	-0.3646013640	0.883420871
## Inv_var_cooc.W.PET	0.3670402382	-0.3275964140	0.699994686
## Correlation_cooc.W.PET	0.2560856588	-0.1853717504	0.546891672

## Autocorrelation_cooc.W.PET	0.0271752615	0.0377074743	0.138608122
## Tendency_cooc.W.PET	0.0390155680	0.0408509643	0.137968288
## Shade_cooc.W.PET	0.0104393721	0.0451527973	0.030021487
## Prominence_cooc.W.PET	-0.0005808498	0.0560965229	-0.002832156
## IC1_d.W.PET	-0.0542294673	0.2730221498	-0.063162275
## IC2_d.W.PET	0.3313141686	-0.2676244815	0.730752186
## Coarseness_vdif.W.PET	0.3635188568	-0.0304471894	0.527075932
## Contrast_vdif.W.PET	0.1610075461	-0.1007476044	0.399911457
## Busyness_vdif.W.PET	0.1558828354	-0.3280065067	0.270613656
## Complexity_vdif.W.PET	-0.0045327621	0.0362047324	0.100658931
## Strength_vdif.W.PET	0.1620503024	-0.0525397879	0.249621344
## SRE_align.W.PET	0.3132466417	-0.3559581596	0.874856573
## LRE_align.W.PET	0.3598835363	-0.3887280002	0.806655919
## GLNU_align.W.PET	-0.0714017420	-0.1434022146	0.201678852
## RLNU_align.W.PET	-0.0462171450	-0.0485115635	0.141480722
## RP_align.W.PET	0.3075872166	-0.3502764963	0.868909242
## LGRE_align.W.PET	0.3286989496	-0.2789472073	0.559075277
## HGRE_align.W.PET	0.0113823976	0.0358322948	0.136729493
## LGSRE_align.W.PET	0.3337799174	-0.2812031614	0.589910512
## HGSRE_align.W.PET	0.0114531214	0.0360535731	0.133943434
## LGHRE_align.W.PET	0.2919284586	-0.2492631567	0.408500683
## HGLRE_align.W.PET	0.0102571720	0.0354194621	0.147252660
## GLNU_norm_align.W.PET	0.3786340933	-0.2522618840	0.589656891
## RLNU_norm_align.W.PET	0.2861989696	-0.3287664375	0.842932860
## GLVAR_align.W.PET	0.0244813991	0.0318394846	0.151191873
## RLVAR_align.W.PET	0.2782031811	-0.1797331985	0.392818864
## Entropy_align.W.PET	0.2108659398	-0.2696895902	0.737227092
## SZSE.W.PET	0.2837075400	-0.3061640349	0.821076355
## LZSE.W.PET	0.1513869296	-0.1434431396	0.167742920
## LGLZE.W.PET	0.3270431146	-0.2641223120	0.571067069
## HGLZE.W.PET	0.0134164016	0.0324805629	0.141480957
## SZLGE.W.PET	0.3293136294	-0.2337162282	0.624799719
## SZHGE.W.PET	0.0186580424	0.0303658320	0.136429655
## LZLGE.W.PET	0.1280117453	-0.1071061953	0.060339094
## LZHGE.W.PET	-0.0161413154	0.0416352778	0.152745774
## GLNU_area.W.PET	-0.0646934355	-0.1372284688	0.206421719
## ZSNU.W.PET	-0.0269390040	-0.0398382075	0.132770947
## ZSP.W.PET	0.2346040327	-0.2574236941	0.740188839
## GLNU_norm.W.PET	0.3869873829	-0.2507475083	0.605176469
## ZSNU_norm.W.PET	0.2189245246	-0.2372330722	0.729817935
## GLVAR_area.W.PET	0.0235425013	0.0336382915	0.153486280
## ZSVAR.W.PET	0.1161091903	-0.0913330860	0.083800369
## Entropy_area.W.PET	0.2400046865	-0.3098360754	0.784018170
## Min_hist.ADC	0.5312801050	-0.4219327796	0.455658355
## Max_hist.ADC	0.1986386074	-0.3225066808	0.795633144
## Mean_hist.ADC	0.3199059929	-0.4219019418	0.837778797
## Variance_hist.ADC	0.3109597826	-0.1945924337	0.494907987
## Standard_Deviation_hist.ADC	0.3491299278	-0.3080117841	0.720703014
## Skewness_hist.ADC	0.1840000343	-0.1864547511	0.231004920
## Kurtosis_hist.ADC	-0.2431324047	0.1599336594	0.055047302
## Energy_hist.ADC	0.3523127809	0.0741876917	0.504555026
## Entropy_hist.ADC	0.1802997579	-0.2142385732	0.776891562
## AUC_hist.ADC	0.3025573450	-0.3615264998	0.870890501
## Volume.ADC	-0.0600180273	-0.2066364044	0.242278095

## X3D_surface.ADC	-0.1464060955	-0.0299205514	0.296813483
## ratio_3ds_vol.ADC	0.5812338167	-0.5826864561	0.778187062
## ratio_3ds_vol_norm.ADC	0.2289577126	-0.3559009846	0.825123897
## irregularity.ADC	0.4356711970	-0.4970194372	0.920277507
## Compactness_v1.ADC	0.3912011467	-0.0372034500	0.682575407
##	Coarseness_vdif_.L.ADC	Contrast_vdif_.L.ADC	
## Failure	0.1962885139	0.2974414313	
## Entropy_cooc.W.ADC	-0.1765156088	-0.2311498531	
## GLNU_align.H.PET	-0.0564416802	-0.1835264876	
## Min_hist.PET	0.0555176966	0.1009197284	
## Max_hist.PET	0.0432008145	0.0486241621	
## Mean_hist.PET	0.0467516684	0.0916110017	
## Variance_hist.PET	-0.0209946363	0.0001496312	
## Standard_Deviation_hist.PET	0.0778656484	0.0797888589	
## Skewness_hist.PET	0.2679645073	0.1515284680	
## Kurtosis_hist.PET	0.0824784501	-0.0436429713	
## Energy_hist.PET	0.8945542165	0.4281175315	
## Entropy_hist.PET	0.2340852732	0.2411490081	
## AUC_hist.PET	0.4765433845	0.3949364501	
## H_suv.PET	0.1867601483	0.1356019470	
## Volume.PET	-0.2108026442	-0.1043193877	
## X3D_surface.PET	0.0081031716	-0.0619002388	
## ratio_3ds_vol.PET	0.6453255388	0.4320033413	
## ratio_3ds_vol_norm.PET	0.5582505211	0.2818637199	
## irregularity.PET	0.4747964262	0.4374563535	
## tumor_length.PET	0.2212107932	0.1004676237	
## Compactness_v1.PET	0.8104050873	0.3842275110	
## Compactness_v2.PET	-0.2318928668	-0.0320973342	
## Spherical_disproportion.PET	0.5582505211	0.2818637199	
## Sphericity.PET	-0.3514073051	-0.0627141868	
## Asphericity.PET	0.5550799551	0.2744209999	
## Center_of_mass.PET	0.1046313662	0.0581148834	
## Max_3D_diam.PET	-0.1803469330	-0.0182468344	
## Major_axis_length.PET	-0.0551975240	0.0597716018	
## Minor_axis_length.PET	0.0596641635	0.0415194103	
## Least_axis_length.PET	-0.0517193500	-0.0290503455	
## Elongation.PET	0.4524114845	0.3083692131	
## Flatness.PET	0.3483020987	0.2280885607	
## Max_cooc.L.PET	0.8862058809	0.4012139887	
## Average_cooc.L.PET	0.4265624708	0.4774677692	
## Variance_cooc.L.PET	0.4412014382	0.4960552113	
## Entropy_cooc.L.PET	0.3726074911	0.3664392428	
## DAVE_cooc.L.PET	0.4489199961	0.4731855912	
## DVAR_cooc.L.PET	0.4582206535	0.4074195706	
## DENT_cooc.L.PET	0.4408344272	0.4330334082	
## SAVE_cooc.L.PET	0.4256533269	0.4771950328	
## SVAR_cooc.L.PET	0.4231925770	0.4911339864	
## SENT_cooc.L.PET	0.5034267531	0.4401810301	
## ASM_cooc.L.PET	0.8824889645	0.3851831682	
## Contrast_cooc.L.PET	0.4101763581	0.4370212690	
## Dissimilarity_cooc.L.PET	0.4489199961	0.4731855912	
## Inv_diff_cooc.L.PET	0.4418125766	0.2532547622	
## Inv_diff_norm_cooc.L.PET	0.4308506101	0.3690784902	
## IDM_cooc.L.PET	0.4739205466	0.2230439972	

## IDM_norm_cooc.L.PET	0.4360769100	0.3815247894
## Inv_var_cooc.L.PET	0.4676219923	0.2188383099
## Correlation_cooc.L.PET	0.2611562751	0.2031333968
## Autocorrelation_cooc.L.PET	0.3983432327	0.4766598822
## Tendency_cooc.L.PET	0.4231925770	0.4911339864
## Shade_cooc.L.PET	0.1703933988	0.1940973433
## Prominence_cooc.L.PET	0.3796986350	0.4555872926
## IC1_.L.PET	-0.1414300233	-0.3968105211
## IC2_.L.PET	0.5727915306	0.5251423518
## Coarseness_vdif_.L.PET	0.8833600027	0.5006174180
## Contrast_vdif_.L.PET	0.3108081934	0.3017247463
## Busyness_vdif_.L.PET	-0.1239895800	-0.1170522118
## Complexity_vdif_.L.PET	0.4798133892	0.4242739474
## Strength_vdif_.L.PET	0.3931387912	0.3631608829
## SRE_align.L.PET	0.4544501315	0.4056390499
## LRE_align.L.PET	0.4220773746	0.3666376714
## GLNU_align.L.PET	-0.1197828229	-0.1255740947
## RLNU_align.L.PET	-0.1628792543	-0.1223440430
## RP_align.L.PET	0.4558568475	0.4077536622
## LGRE_align.L.PET	0.5895705617	0.2921841464
## HGRE_align.L.PET	0.4058338715	0.4732698504
## LGSRE_align.L.PET	0.5997142590	0.2981221107
## HGSRE_align.L.PET	0.4081161352	0.4753520583
## LGHRE_align.L.PET	0.5474385450	0.2670406538
## HGLRE_align.L.PET	0.3949715911	0.4629412821
## GLNU_norm_align.L.PET	0.8031162275	0.4009006467
## RLNU_norm_align.L.PET	0.4612656507	0.4151244403
## GLVAR_align.L.PET	0.4388663091	0.4947985862
## RLVAR_align.L.PET	0.6834939899	0.2840442834
## Entropy_align.L.PET	0.3903140215	0.3821704565
## SZSE.L.PET	0.4589904910	0.4108902231
## LZSE.L.PET	0.2522373431	0.1948532780
## LGLZE.L.PET	0.5995285839	0.2970842097
## HGLZE.L.PET	0.4061292876	0.4717543601
## SZLGE.L.PET	0.6284134297	0.3158097273
## SZHGE.L.PET	0.4090345822	0.4708807375
## LZLGE.L.PET	0.4139321409	0.1789471239
## LZHGE.L.PET	0.3071316103	0.3681182082
## GLNU_area.L.PET	-0.1254220864	-0.1225827704
## ZSNU.L.PET	-0.1699389914	-0.1176295223
## ZSP.L.PET	0.4626047427	0.4205349006
## GLNU_norm.L.PET	0.8052697253	0.4007374575
## ZSNU_norm.L.PET	0.4707089401	0.4314946907
## GLVAR_area.L.PET	0.4436733842	0.4957658849
## ZSVAR.L.PET	0.2443903214	0.0562660314
## Entropy_area.L.PET	0.3816829339	0.3680757073
## Max_cooc.H.PET	0.4592674319	0.3388365914
## Average_cooc.H.PET	0.4546397781	0.4329742436
## Variance_cooc.H.PET	0.2822956074	0.2703006123
## Entropy_cooc.H.PET	0.2869273342	0.3240706449
## DAVE_cooc.H.PET	0.3456028551	0.3326778904
## DVAR_cooc.H.PET	0.3599938690	0.3480244730
## DENT_cooc.H.PET	0.1454838811	0.1738078225
## SAVE_cooc.H.PET	0.4293824784	0.4228183233

## SVAR_cooc.H.PET	0.2581829726	0.2362777904
## SENT_cooc.H.PET	0.5007335160	0.2750905627
## ASM_cooc.H.PET	0.5458221421	0.3719238591
## Contrast_cooc.H.PET	0.3240548517	0.3183891329
## Dissimilarity_cooc.H.PET	0.3456028551	0.3326778904
## Inv_diff_cooc.H.PET	0.4960768364	0.4004175390
## Inv_diff_norm_cooc.H.PET	0.4594322362	0.4028246119
## IDM_cooc.H.PET	0.4770310781	0.3795290961
## IDM_norm_cooc.H.PET	0.4505515857	0.3977786258
## Inv_var_cooc_.H.PET	0.7577873232	0.3413500015
## Correlation_cooc.H.PET	0.2474652315	0.1815829944
## Autocorrelation_cooc.H.PET	0.4702521172	0.4497828966
## Tendency_cooc.H.PET	0.2343783031	0.2201127848
## Shade_cooc.H.PET	-0.1478007959	-0.1685766949
## Prominence_cooc.H.PET	0.0987501540	0.0962034394
## IC1_d.H.PET	0.2876312552	0.0196063762
## IC2_d.H.PET	0.3234876006	0.2708097305
## Coarseness_vdif.H.PET	0.8920667356	0.4047409111
## Contrast_vdif.H.PET	0.3686987419	0.3833849737
## Busyness_vdif.H.PET	-0.3713266791	-0.1645573206
## Complexity_vdif.H.PET	0.6299141252	0.3960536758
## Strength_vdif.H.PET	0.2111215564	0.1876374895
## SRE_align.H.PET	0.4122563765	0.3605037393
## LRE_align.H.PET	0.3643079623	0.3525168697
## RLNU_align.H.PET	-0.1527201188	-0.1075128963
## RP_align.H.PET	0.4066804988	0.3567497203
## LGRE_align.H.PET	0.8726167734	0.3856713715
## HGRE_align.H.PET	0.4620438917	0.4404351598
## LGSRE_align.H.PET	0.8729687875	0.3855626477
## HGSRE_align.H.PET	0.4414884063	0.4170726539
## LGHRE_align.H.PET	0.8714510001	0.3867673608
## HGLRE_align.H.PET	0.3098525214	0.3029584535
## GLNU_norm_align.H.PET	0.5164586452	0.4162903210
## RLNU_norm_align.H.PET	0.3715801656	0.3232705418
## GLVAR_align.H.PET	0.2514348392	0.2426745340
## RLVAR_align.H.PET	0.2472123916	0.2053932761
## Entropy_align.H.PET	0.2647728110	0.2491162903
## SZSE.H.PET	0.3069634705	0.2460127914
## LZSE.H.PET	-0.0403805074	0.0067233417
## LGLZE.H.PET	0.8704006757	0.3853512474
## HGLZE.H.PET	0.3564499194	0.3279783041
## SZLGE.H.PET	0.8712017865	0.3843304997
## SZHGE.H.PET	0.2819275213	0.2436752745
## LZLGE.H.PET	0.0720929595	0.0466821798
## LZHGE.H.PET	0.0203369379	0.0525875529
## GLNU_area.H.PET	-0.1676679725	-0.1329684074
## ZSNU.H.PET	-0.1523440879	-0.0832640343
## ZSP.H.PET	0.1976618695	0.1680782622
## GLNU_norm.H.PET	0.5299414816	0.4393698102
## ZSNU_norm.H.PET	0.2301811007	0.1724892232
## GLVAR_area.H.PET	0.2318581682	0.2187946252
## ZSVAR_H.PET	-0.0172286186	0.0182235994
## Entropy_area.H.PET	0.3171361796	0.2871415468
## Max_cooc.W.PET	0.6455078348	0.3886954138

## Average_cooc.W.PET	0.0587334799	0.0938547016
## Variance_cooc.W.PET	-0.0094166329	0.0059746690
## Entropy_cooc.W.PET	0.2349851816	0.2261725482
## DAVE_cooc.W.PET	0.1086022059	0.1249445587
## DVAR_cooc.W.PET	0.0052340163	0.0367342344
## DENT_cooc.W.PET	0.2528002288	0.2349259916
## SAVE_cooc.W.PET	0.0569361475	0.0930910884
## SVAR_cooc.W.PET	-0.0173677297	-0.0115758578
## SENT_cooc.W.PET	0.3542542661	0.2825485331
## ASM_cooc.W.PET	0.7861506110	0.4277103618
## Contrast_cooc.W.PET	0.0111312384	0.0509126542
## Dissimilarity_cooc.W.PET	0.1086022059	0.1249445587
## Inv_diff_cooc.W.PET	0.5123239704	0.4221861847
## Inv_diff_norm_cooc.W.PET	0.4341565292	0.3721845428
## IDM_cooc.W.PET	0.4900818644	0.3981644187
## IDM_norm_cooc.W.PET	0.4373479705	0.3824467592
## Inv_var_cooc.W.PET	0.5130012908	0.4126119690
## Correlation_cooc.W.PET	0.2562639727	0.1980317587
## Autocorrelation_cooc.W.PET	-0.0500096993	0.0071247679
## Tendency_cooc.W.PET	-0.0173677297	-0.0115758578
## Shade_cooc.W.PET	0.0079482344	-0.0371209689
## Prominence_cooc.W.PET	-0.0124247027	-0.0334937999
## IC1_d.W.PET	0.3322227729	0.0092666636
## IC2_d.W.PET	0.4032235635	0.3499435425
## Coarseness_vdif.W.PET	0.8422631805	0.5139000233
## Contrast_vdif.W.PET	0.2710657047	0.2351217557
## Busyness_vdif.W.PET	-0.0067825093	0.0997608397
## Complexity_vdif.W.PET	-0.0214442657	-0.0220065643
## Strength_vdif.W.PET	0.1660104542	0.0995440754
## SRE_align.W.PET	0.4333608219	0.3822223945
## LRE_align.W.PET	0.4385070411	0.4027384921
## GLNU_align.W.PET	-0.1519645796	-0.1375791439
## RLNU_align.W.PET	-0.1543481190	-0.1147376404
## RP_align.W.PET	0.4288627649	0.3781206536
## LGRE_align.W.PET	0.4839652370	0.3703506420
## HGRE_align.W.PET	-0.0554966355	0.0025701891
## LGSRE_align.W.PET	0.5084363317	0.3811911353
## HGSRE_align.W.PET	-0.0559434311	0.0027266908
## LGHRE_align.W.PET	0.3646313900	0.3061372487
## HGLRE_align.W.PET	-0.0537349114	0.0014120975
## GLNU_norm_align.W.PET	0.5996493348	0.4369523298
## RLNU_norm_align.W.PET	0.4093205479	0.3588655302
## GLVAR_align.W.PET	-0.0231457838	-0.0012172120
## RLVAR_align.W.PET	0.3820978570	0.2794964851
## Entropy_align.W.PET	0.2675191226	0.2525683393
## SZSE.W.PET	0.3905510320	0.3338046452
## LZSE.W.PET	0.1672695473	0.1720567249
## LGLZE.W.PET	0.4961253403	0.3661034257
## HGLZE.W.PET	-0.0536657983	0.0026336520
## SZLGE.W.PET	0.5477747134	0.3710636645
## SZHGE.W.PET	-0.0544176730	0.0037875886
## LZLGE.W.PET	0.0878397415	0.1165995191
## LZHGE.W.PET	0.0001909445	0.0132457065
## GLNU_area.W.PET	-0.1606634799	-0.1378947337

## ZSNU.W.PET	-0.1526082454	-0.0990705938
## ZSP.W.PET	0.3219576680	0.2756842020
## GLNU_norm.W.PET	0.6134450577	0.4495832562
## ZSNU_norm.W.PET	0.3239976299	0.2703002529
## GLVAR_area.W.PET	-0.0193543728	-0.0017264188
## ZSVAR.W.PET	0.1166666521	0.1187061105
## Entropy_area.W.PET	0.3050668261	0.2850427305
## Min_hist.ADC	0.4046252215	0.6166656905
## Max_hist.ADC	0.2586377053	0.1477375376
## Mean_hist.ADC	0.3762555110	0.3753607468
## Variance_hist.ADC	0.1446486059	0.0724371663
## Standard_Deviation_hist.ADC	0.2592012245	0.1951786652
## Skewness_hist.ADC	0.1743474040	0.1509348861
## Kurtosis_hist.ADC	0.0393921632	-0.1863022362
## Energy_hist.ADC	0.9287169479	0.4763648325
## Entropy_hist.ADC	0.2551974755	0.1484634677
## AUC_hist.ADC	0.4369190461	0.3526278947
## Volume.ADC	-0.2228370333	-0.1241360828
## X3D_surface.ADC	-0.1226576701	-0.2869886301
## ratio_3ds_vol.ADC	0.7419782056	0.8586050894
## ratio_3ds_vol_norm.ADC	0.3120827743	0.2654406371
## irregularity.ADC	0.5564197172	0.5833072209
## Compactness_v1.ADC	0.8757620079	0.4943979758
##	Busyness_vdif_.L.ADC	Complexity_vdif_.L.ADC
## Failure	-0.1616605938	0.049837758
## Entropy_cooc.W.ADC	0.2768219348	0.083520036
## GLNU_align.H.PET	0.1951711178	-0.125821339
## Min_hist.PET	0.3074370697	0.451136506
## Max_hist.PET	0.3776654995	0.426165845
## Mean_hist.PET	0.3436751575	0.445308328
## Variance_hist.PET	0.2686422126	0.252529355
## Standard_Deviation_hist.PET	0.3688282626	0.418950634
## Skewness_hist.PET	0.1780068374	0.372002617
## Kurtosis_hist.PET	0.0775064359	0.047749668
## Energy_hist.PET	0.1583334015	0.368733466
## Entropy_hist.PET	0.4436099951	0.681252004
## AUC_hist.PET	0.4004039896	0.743063589
## H_suv.PET	0.4036015633	0.393014867
## Volume.PET	0.3697997436	0.236822329
## X3D_surface.PET	0.2622694173	0.196178323
## ratio_3ds_vol.PET	0.0727391887	0.480640561
## ratio_3ds_vol_norm.PET	0.3293794683	0.459875449
## irregularity.PET	0.2934582734	0.749226438
## tumor_length.PET	0.4479690673	0.442110322
## Compactness_v1.PET	0.2755458091	0.424420716
## Compactness_v2.PET	0.1303552410	0.148529127
## Spherical_disproportion.PET	0.3293794683	0.459875449
## Sphericity.PET	0.1223076841	0.126920915
## Asphericity.PET	0.3229977018	0.443934181
## Center_of_mass.PET	0.3181155435	0.336339678
## Max_3D_diam.PET	0.3458273538	0.347411772
## Major_axis_length.PET	0.3812580371	0.440944509
## Minor_axis_length.PET	0.5090213908	0.427572194
## Least_axis_length.PET	0.4733174556	0.361730430

## Elongation.PET	0.3543061264	0.562075585
## Flatness.PET	0.3656871955	0.502445543
## Max_cooc.L.PET	0.1994794568	0.379663003
## Average_cooc.L.PET	0.2259373554	0.659329202
## Variance_cooc.L.PET	0.0461330520	0.532319716
## Entropy_cooc.L.PET	0.3975502248	0.730817521
## DAVE_cooc.L.PET	0.1271729462	0.576752728
## DVAR_cooc.L.PET	0.0523513369	0.458002834
## DENT_cooc.L.PET	0.3181099330	0.731906958
## SAVE_cooc.L.PET	0.2257786873	0.659175748
## SVAR_cooc.L.PET	0.0685392888	0.563950628
## SENT_cooc.L.PET	0.3468541265	0.750928399
## ASM_cooc.L.PET	0.2064017754	0.355620480
## Contrast_cooc.L.PET	0.0042784080	0.410367476
## Dissimilarity_cooc.L.PET	0.1271729462	0.576752728
## Inv_diff_cooc.L.PET	0.4395745728	0.621256395
## Inv_diff_norm_cooc.L.PET	0.4059848812	0.742020631
## IDM_cooc.L.PET	0.4208334339	0.549324183
## IDM_norm_cooc.L.PET	0.3964723555	0.746499090
## Inv_var_cooc.L.PET	0.4366317033	0.557522099
## Correlation_cooc.L.PET	0.3648499148	0.549368761
## Autocorrelation_cooc.L.PET	0.1097701034	0.534524799
## Tendency_cooc.L.PET	0.0685392888	0.563950628
## Shade_cooc.L.PET	0.0335825257	0.291757143
## Prominence_cooc.L.PET	-0.0356489188	0.439508172
## IC1_.L.PET	0.1715709823	-0.371425969
## IC2_.L.PET	0.2175802357	0.732978626
## Coarseness_vdif_.L.PET	0.0850955078	0.423512865
## Contrast_vdif_.L.PET	-0.1023728016	0.171662692
## Busyness_vdif_.L.PET	0.3448591007	0.167962825
## Complexity_vdif_.L.PET	0.1276500121	0.525258464
## Strength_vdif_.L.PET	-0.1711050822	0.304043376
## SRE_align.L.PET	0.3767784789	0.750184404
## LRE_align.L.PET	0.3973811875	0.731764276
## GLNU_align.L.PET	0.3023862484	0.153302469
## RLNU_align.L.PET	0.3243961394	0.173468731
## RP_align.L.PET	0.3743736077	0.750207879
## LGRE_align.L.PET	0.1985767433	0.448338423
## HGRE_align.L.PET	0.1295357307	0.531405332
## LGSRE_align.L.PET	0.2012945841	0.452803705
## HGSRE_align.L.PET	0.1255407459	0.530618728
## LGHRE_align.L.PET	0.1872303711	0.428422284
## HGLRE_align.L.PET	0.1457810813	0.532495219
## GLNU_norm_align.L.PET	0.2645430876	0.514708662
## RLNU_norm_align.L.PET	0.3663601149	0.749803464
## GLVAR_align.L.PET	0.0895578125	0.551097074
## RLVAR_align.L.PET	0.3728126920	0.468440765
## Entropy_align.L.PET	0.3958007891	0.739727775
## SZSE.L.PET	0.3716931675	0.750153963
## LZSE.L.PET	0.2876753712	0.446331084
## LGLZE.L.PET	0.2043048122	0.452669129
## HGLZE.L.PET	0.1295507992	0.536435283
## SZLGE.L.PET	0.2126358772	0.467953553
## SZHGE.L.PET	0.1264615661	0.540166447

## LZLGE.L.PET	0.1599119953	0.332157950
## LZHGE.L.PET	0.1276917771	0.406236346
## GLNU_area.L.PET	0.3089018629	0.163874857
## ZSNU.L.PET	0.3263959261	0.183660706
## ZSP.L.PET	0.3611414294	0.755002099
## GLNU_norm.L.PET	0.2679834837	0.515565994
## ZSNU_norm.L.PET	0.3467775024	0.751733075
## GLVAR_area.L.PET	0.0915699342	0.556177177
## ZSVAR.L.PET	0.3004126001	0.239985719
## Entropy_area.L.PET	0.4066424647	0.733940111
## Max_cooc.H.PET	-0.0271671086	0.286465669
## Average_cooc.H.PET	0.3094802181	0.742623985
## Variance_cooc.H.PET	0.4130962998	0.621768518
## Entropy_cooc.H.PET	0.3468955368	0.614564325
## DAVE_cooc.H.PET	0.3408591399	0.618772426
## DVAR_cooc.H.PET	0.3300316821	0.616837056
## DENT_cooc.H.PET	0.3871389489	0.593798316
## SAVE_cooc.H.PET	0.3469629302	0.751944734
## SVAR_cooc.H.PET	0.4657754301	0.676955189
## SENT_cooc.H.PET	0.3412057822	0.537103880
## ASM_cooc.H.PET	-0.0007119257	0.266584100
## Contrast_cooc.H.PET	0.3004333578	0.536823675
## Dissimilarity_cooc.H.PET	0.3408591399	0.618772426
## Inv_diff_cooc.H.PET	0.1743384157	0.548509927
## Inv_diff_norm_cooc.H.PET	0.3785540318	0.752695248
## IDM_cooc.H.PET	0.1178942707	0.472326605
## IDM_norm_cooc.H.PET	0.3817910230	0.751486554
## Inv_var_cooc_.H.PET	0.3244594979	0.482578535
## Correlation_cooc.H.PET	0.3724262069	0.553889845
## Autocorrelation_cooc.H.PET	0.2519442174	0.715957110
## Tendency_cooc.H.PET	0.4370106487	0.612042429
## Shade_cooc.H.PET	-0.1246000604	-0.322582917
## Prominence_cooc.H.PET	0.4134341012	0.451373247
## IC1_d.H.PET	-0.0527239572	-0.117500559
## IC2_d.H.PET	0.3931064216	0.638911354
## Coarseness_vdif.H.PET	0.1843695278	0.353369264
## Contrast_vdif.H.PET	-0.0841182954	0.311802751
## Busyness_vdif.H.PET	0.1948527831	-0.029714820
## Complexity_vdif.H.PET	0.1928659907	0.512590833
## Strength_vdif.H.PET	-0.0943603871	-0.005718644
## SRE_align.H.PET	0.3928763339	0.718117505
## LRE_align.H.PET	0.1737423280	0.506822029
## RLNU_align.H.PET	0.3302735393	0.195489607
## RP_align.H.PET	0.3885239281	0.709789739
## LGRE_align.H.PET	0.2312607899	0.380028115
## HGRE_align.H.PET	0.2750102189	0.708479351
## LGSRE_align.H.PET	0.2297257992	0.378190055
## HGSRE_align.H.PET	0.3110061462	0.727133724
## LGHRE_align.H.PET	0.2391459152	0.389357754
## HGLRE_align.H.PET	0.0899824698	0.360417272
## GLNU_norm_align.H.PET	0.0306069573	0.433189339
## RLNU_norm_align.H.PET	0.3822163382	0.664218918
## GLVAR_align.H.PET	0.4218784336	0.600176136
## RLVAR_align.H.PET	0.0696144739	0.235119576

## Entropy_align.H.PET	0.4646135088	0.667730727
## SZSE.H.PET	0.4076633757	0.637624345
## LZSE.H.PET	-0.0228794474	-0.027258096
## LGLZE.H.PET	0.2328216583	0.381369747
## HGLZE.H.PET	0.2904429179	0.669808457
## SZLGE.H.PET	0.2284185580	0.377019759
## SZHGE.H.PET	0.3064470860	0.625711568
## LZLGE.H.PET	0.0156181162	0.023746786
## LZHGE.H.PET	-0.0445960498	-0.030272822
## GLNU_area.H.PET	0.3186119991	0.158236038
## ZSNU.H.PET	0.3140455355	0.219874289
## ZSP.H.PET	0.3355788419	0.495976602
## GLNU_norm.H.PET	0.0260415063	0.444800292
## ZSNU_norm.H.PET	0.3732073480	0.533845941
## GLVAR_area.H.PET	0.4255836682	0.587351082
## ZSVAR_H.PET	-0.0306632400	-0.025185466
## Entropy_area.H.PET	0.4572068311	0.691021454
## Max_cooc.W.PET	0.0347617934	0.295740921
## Average_cooc.W.PET	0.3709129172	0.428651029
## Variance_cooc.W.PET	0.2467038571	0.248059633
## Entropy_cooc.W.PET	0.4363342902	0.626425894
## DAVE_cooc.W.PET	0.3083021244	0.403716097
## DVAR_cooc.W.PET	0.2257842496	0.246909161
## DENT_cooc.W.PET	0.4010389667	0.609822177
## SAVE_cooc.W.PET	0.3705736775	0.428034142
## SVAR_cooc.W.PET	0.2512087965	0.241027179
## SENT_cooc.W.PET	0.4284468135	0.669767847
## ASM_cooc.W.PET	0.0935059475	0.323025851
## Contrast_cooc.W.PET	0.2126167576	0.243881951
## Dissimilarity_cooc.W.PET	0.3083021244	0.403716097
## Inv_diff_cooc.W.PET	0.2041455542	0.595626126
## Inv_diff_norm_cooc.W.PET	0.4031665637	0.742724980
## IDM_cooc.W.PET	0.1362934868	0.504870455
## IDM_norm_cooc.W.PET	0.3953307812	0.746554874
## Inv_var_cooc.W.PET	0.1758776822	0.556049708
## Correlation_cooc.W.PET	0.3691268864	0.549104781
## Autocorrelation_cooc.W.PET	0.2934156782	0.279971570
## Tendency_cooc.W.PET	0.2512087965	0.241027179
## Shade_cooc.W.PET	0.0941116267	0.067513606
## Prominence_cooc.W.PET	0.0839117648	0.060458229
## IC1_d.W.PET	-0.0126612148	-0.138601930
## IC2_d.W.PET	0.3658241909	0.682494238
## Coarseness_vdif.W.PET	0.0383387798	0.404713859
## Contrast_vdif.W.PET	0.1503002455	0.347386451
## Busyness_vdif.W.PET	0.0755518623	0.160304346
## Complexity_vdif.W.PET	0.2207257159	0.171588684
## Strength_vdif.W.PET	-0.0301022079	0.216029504
## SRE_align.W.PET	0.3900883991	0.738822694
## LRE_align.W.PET	0.2907216423	0.663539458
## GLNU_align.W.PET	0.2856234706	0.115283618
## RLNU_align.W.PET	0.3264164521	0.184304637
## RP_align.W.PET	0.3900816425	0.734931388
## LGRE_align.W.PET	0.0244215703	0.405415567
## HGRE_align.W.PET	0.2997041739	0.273525290

## LGSRE_align.W.PET	0.0376118713	0.428380018
## HGSRE_align.W.PET	0.2944792501	0.270940954
## LGHRE_align.W.PET	-0.0187473390	0.292935583
## HGLRE_align.W.PET	0.3200268257	0.282230938
## GLNU_norm_align.W.PET	0.0454626684	0.432500740
## RLNU_norm_align.W.PET	0.3915329173	0.714701108
## GLVAR_align.W.PET	0.2689240475	0.252041171
## RLVAR_align.W.PET	0.0850177053	0.297584209
## Entropy_align.W.PET	0.4581845291	0.665357736
## SZSE.W.PET	0.4027243966	0.710818660
## LZSE.W.PET	-0.0394638492	0.094568664
## LGLZE.W.PET	0.0430751670	0.416696152
## HGLZE.W.PET	0.2916667511	0.274914131
## SZLGE.W.PET	0.0964181920	0.471362758
## SZHGE.W.PET	0.2721007996	0.270642683
## LZLGE.W.PET	-0.0714801130	0.021857730
## LZHGE.W.PET	0.3232323335	0.225043743
## GLNU_area.W.PET	0.3078205793	0.139668910
## ZSNU.W.PET	0.3209588530	0.205324052
## ZSP.W.PET	0.3942258653	0.649484660
## GLNU_norm.W.PET	0.0505294225	0.454762451
## ZSNU_norm.W.PET	0.3893678901	0.641572700
## GLVAR_area.W.PET	0.2664484362	0.251669108
## ZSVAR.W.PET	-0.0602284075	0.030682993
## Entropy_area.W.PET	0.4576569733	0.689228769
## Min_hist.ADC	-0.2600530062	0.447767106
## Max_hist.ADC	0.5866902229	0.604106930
## Mean_hist.ADC	0.2091216638	0.654792745
## Variance_hist.ADC	0.4882782297	0.469481630
## Standard_Deviation_hist.ADC	0.5206225856	0.637568401
## Skewness_hist.ADC	0.2566101692	0.120055387
## Kurtosis_hist.ADC	0.2393696348	-0.019990520
## Energy_hist.ADC	0.1706500917	0.371054073
## Entropy_hist.ADC	0.5257961741	0.697136895
## AUC_hist.ADC	0.4600332374	0.701143756
## Volume.ADC	0.3699209352	0.221136517
## X3D_surface.ADC	0.8686651786	0.217780011
## ratio_3ds_vol.ADC	-0.1569873732	0.583973025
## ratio_3ds_vol_norm.ADC	0.4375830065	0.675822178
## irregularity.ADC	0.2231288298	0.733179736
## Compactness_v1.ADC	0.2594538253	0.547430592
##	Strength_vdif_.L.ADC	SRE_align.L.ADC
## Failure	0.3472910001	0.009403187
## Entropy_cooc.W.ADC	-0.3101856642	0.017470704
## GLNU_align.H.PET	-0.2182998981	-0.050546406
## Min_hist.PET	-0.0426392645	0.529715880
## Max_hist.PET	-0.0919950974	0.540769568
## Mean_hist.PET	-0.0551491406	0.528483144
## Variance_hist.PET	-0.0956403513	0.260087935
## Standard_Deviation_hist.PET	-0.0525249910	0.533917436
## Skewness_hist.PET	0.1121451674	0.534562791
## Kurtosis_hist.PET	-0.0553301724	0.147625585
## Energy_hist.PET	0.3148326109	0.459540580
## Entropy_hist.PET	0.0851234645	0.866166520

## AUC_hist.PET	0.2518457446	0.994225404
## H_suv.PET	0.0044655958	0.558485225
## Volume.PET	-0.1689282528	0.312026332
## X3D_surface.PET	-0.1415374101	0.215890887
## ratio_3ds_vol.PET	0.3593055689	0.584762978
## ratio_3ds_vol_norm.PET	0.1845200725	0.585562337
## irregularity.PET	0.3048913934	0.971140806
## tumor_length.PET	-0.0224517498	0.594873532
## Compactness_v1.PET	0.2475817064	0.561157760
## Compactness_v2.PET	-0.0636459180	0.223954640
## Spherical_disproportion.PET	0.1845200725	0.585562337
## Sphericity.PET	-0.0802580704	0.221855975
## Asphericity.PET	0.1798337920	0.563722683
## Center_of_mass.PET	-0.0145733498	0.364768688
## Max_3D_diam.PET	-0.0990028752	0.450558137
## Major_axis_length.PET	-0.0516209618	0.497940655
## Minor_axis_length.PET	-0.0732481044	0.646398428
## Least_axis_length.PET	-0.1143761193	0.544161869
## Elongation.PET	0.1952219320	0.856626054
## Flatness.PET	0.1419790808	0.791576127
## Max_cooc.L.PET	0.2842541350	0.482411303
## Average_cooc.L.PET	0.3621041075	0.817581088
## Variance_cooc.L.PET	0.4478818195	0.657246284
## Entropy_cooc.L.PET	0.2283204866	0.977634644
## DAVE_cooc.L.PET	0.3873251873	0.765125511
## DVAR_cooc.L.PET	0.3392235054	0.676107721
## DENT_cooc.L.PET	0.3034631035	0.971566589
## SAVE_cooc.L.PET	0.3619295326	0.817380039
## SVAR_cooc.L.PET	0.4491358473	0.665221016
## SENT_cooc.L.PET	0.3073139404	0.977594800
## ASM_cooc.L.PET	0.2659112685	0.453064149
## Contrast_cooc.L.PET	0.3855578403	0.556030022
## Dissimilarity_cooc.L.PET	0.3873251873	0.765125511
## Inv_diff_cooc.L.PET	0.1073217125	0.849554320
## Inv_diff_norm_cooc.L.PET	0.2236362507	0.992199519
## IDM_cooc.L.PET	0.0823357274	0.761006164
## IDM_norm_cooc.L.PET	0.2372537347	0.996359191
## Inv_var_cooc.L.PET	0.0761498830	0.764679768
## Correlation_cooc.L.PET	0.1170399921	0.654771668
## Autocorrelation_cooc.L.PET	0.3965335919	0.614307436
## Tendency_cooc.L.PET	0.4491358473	0.665221016
## Shade_cooc.L.PET	0.2117743180	0.328089758
## Prominence_cooc.L.PET	0.4584563278	0.473631231
## IC1_.L.PET	-0.4035038438	-0.371711419
## IC2_.L.PET	0.4102147388	0.908862949
## Coarseness_vdif_.L.PET	0.3963646111	0.497362371
## Contrast_vdif_.L.PET	0.2876213729	0.244613058
## Busyness_vdif_.L.PET	-0.1754603753	0.299782875
## Complexity_vdif_.L.PET	0.3359130032	0.723930208
## Strength_vdif_.L.PET	0.3538745369	0.313130203
## SRE_align.L.PET	0.2633737864	0.998826576
## LRE_align.L.PET	0.2248980847	0.989711906
## GLNU_align.L.PET	-0.1830197682	0.246405480
## RLNU_align.L.PET	-0.1880449973	0.221645899

## RP_align.L.PET	0.2658060059	0.998741916
## LGRE_align.L.PET	0.2001165574	0.634574874
## HGRE_align.L.PET	0.3860015616	0.635538658
## LGSRE_align.L.PET	0.2044314699	0.639600761
## HGSRE_align.L.PET	0.3886134631	0.634140379
## LGHRE_align.L.PET	0.1814918016	0.611200480
## HGLRE_align.L.PET	0.3739300121	0.639298714
## GLNU_norm_align.L.PET	0.2696508890	0.687381992
## RLNU_norm_align.L.PET	0.2742643513	0.997672199
## GLVAR_align.L.PET	0.4335578149	0.683155983
## RLVAR_align.L.PET	0.1448290985	0.645357729
## Entropy_align.L.PET	0.2423966497	0.982936483
## SZSE.L.PET	0.2676969858	0.977135197
## LZSE.L.PET	0.1083999206	0.688946980
## LGLZE.L.PET	0.2014076224	0.646217327
## HGLZE.L.PET	0.3839346481	0.645072389
## SZLGE.L.PET	0.2135404093	0.656110572
## SZHGE.L.PET	0.3822838137	0.640186276
## LZLGE.L.PET	0.1190410640	0.510299828
## LZHGE.L.PET	0.3021030217	0.527164507
## GLNU_area.L.PET	-0.1831766037	0.247960156
## ZSNU.L.PET	-0.1860304350	0.222878844
## ZSP.L.PET	0.2782736950	0.984110160
## GLNU_norm.L.PET	0.2679962844	0.687670247
## ZSNU_norm.L.PET	0.2921681644	0.986790598
## GLVAR_area.L.PET	0.4326213091	0.694050426
## ZSVAR.L.PET	-0.0125555590	0.443742869
## Entropy_area.L.PET	0.2284414458	0.982750307
## Max_cooc.H.PET	0.3333777266	0.320945746
## Average_cooc.H.PET	0.3136679604	0.975237486
## Variance_cooc.H.PET	0.1154080675	0.853645679
## Entropy_cooc.H.PET	0.1988424027	0.833640582
## DAVE_cooc.H.PET	0.1853279680	0.878153900
## DVAR_cooc.H.PET	0.1980139073	0.855110607
## DENT_cooc.H.PET	0.0135087988	0.767885342
## SAVE_cooc.H.PET	0.2928170117	0.980340274
## SVAR_cooc.H.PET	0.0623785356	0.841055263
## SENT_cooc.H.PET	0.1294357821	0.695600265
## ASM_cooc.H.PET	0.3653648610	0.307201960
## Contrast_cooc.H.PET	0.1767367535	0.784384793
## Dissimilarity_cooc.H.PET	0.1853279680	0.878153900
## Inv_diff_cooc.H.PET	0.3407348092	0.680665388
## Inv_diff_norm_cooc.H.PET	0.2648883153	0.995360106
## IDM_cooc.H.PET	0.3390609817	0.577450370
## IDM_norm_cooc.H.PET	0.2576565079	0.997839673
## Inv_var_cooc_.H.PET	0.1906311623	0.600776608
## Correlation_cooc.H.PET	0.0856435055	0.661913902
## Autocorrelation_cooc.H.PET	0.3518716068	0.919668137
## Tendency_cooc.H.PET	0.0719268476	0.814713854
## Shade_cooc.H.PET	-0.0620024513	-0.416553805
## Prominence_cooc.H.PET	-0.0425679211	0.597747319
## IC1_d.H.PET	-0.0185762929	-0.107426658
## IC2_d.H.PET	0.1512584659	0.779679382
## Coarseness_vdif.H.PET	0.2912004631	0.447494453

## Contrast_vdif.H.PET	0.3676356635	0.303244566
## Busyness_vdif.H.PET	-0.1370996087	0.106253910
## Complexity_vdif.H.PET	0.2662072772	0.670705945
## Strength_vdif.H.PET	0.2512109651	0.031022995
## SRE_align.H.PET	0.2085575000	0.971754069
## LRE_align.H.PET	0.2960190361	0.642013205
## RLNU_align.H.PET	-0.1855929804	0.221560583
## RP_align.H.PET	0.2032907798	0.960126508
## LGRE_align.H.PET	0.2541378195	0.470119498
## HGRE_align.H.PET	0.3383707977	0.924504463
## LGSRE_align.H.PET	0.2544303922	0.467731248
## HGSRE_align.H.PET	0.2942725571	0.968118650
## LGHRE_align.H.PET	0.2537518533	0.482922130
## HGLRE_align.H.PET	0.2881440137	0.443087409
## GLNU_norm_align.H.PET	0.3951140361	0.523521341
## RLNU_norm_align.H.PET	0.1678141904	0.909468049
## GLVAR_align.H.PET	0.0858281799	0.819683969
## RLVAR_align.H.PET	0.2023545054	0.287226338
## Entropy_align.H.PET	0.0928399209	0.896137917
## SZSE.H.PET	0.0860391997	0.853601350
## LZSE.H.PET	0.0113081500	-0.058534478
## LGLZE.H.PET	0.2523640521	0.470807939
## HGLZE.H.PET	0.2215104682	0.869064705
## SZLGE.H.PET	0.2526216878	0.464520586
## SZHGE.H.PET	0.1140259498	0.831647332
## LZLGE.H.PET	0.0316648813	0.006552284
## LZHGE.H.PET	0.0700340022	-0.048442055
## GLNU_area.H.PET	-0.1877833092	0.256066836
## ZSNU.H.PET	-0.1742703698	0.193813355
## ZSP.H.PET	0.0268026622	0.670238612
## GLNU_norm.H.PET	0.4151639651	0.536317534
## ZSNU_norm.H.PET	0.0199502737	0.723106510
## GLVAR_area.H.PET	0.0619112475	0.798633836
## ZSVAR.H.PET	0.0222502822	-0.055175040
## Entropy_area.H.PET	0.1407772604	0.942995572
## Max_cooc.W.PET	0.3571562764	0.360870770
## Average_cooc.W.PET	-0.0497178435	0.523374365
## Variance_cooc.W.PET	-0.0851985246	0.260367585
## Entropy_cooc.W.PET	0.0715253012	0.853426838
## DAVE_cooc.W.PET	-0.0057160001	0.550238884
## DVAR_cooc.W.PET	-0.0637712584	0.294642199
## DENT_cooc.W.PET	0.0827900953	0.839027002
## SAVE_cooc.W.PET	-0.0502696264	0.522589681
## SVAR_cooc.W.PET	-0.0951756868	0.234513561
## SENT_cooc.W.PET	0.1262319171	0.894530664
## ASM_cooc.W.PET	0.3705002583	0.397625820
## Contrast_cooc.W.PET	-0.0517979702	0.304256100
## Dissimilarity_cooc.W.PET	-0.0057160001	0.550238884
## Inv_diff_cooc.W.PET	0.3486864079	0.759257207
## Inv_diff_norm_cooc.W.PET	0.2272321672	0.992674863
## IDM_cooc.W.PET	0.3491478045	0.627184292
## IDM_norm_cooc.W.PET	0.2381608690	0.996559464
## Inv_var_cooc.W.PET	0.3472676174	0.696391392
## Correlation_cooc.W.PET	0.1106690396	0.653994764

## Autocorrelation_cooc.W.PET	-0.1062685590	0.257367523
## Tendency_cooc.W.PET	-0.0951756868	0.234513561
## Shade_cooc.W.PET	-0.0457122265	0.043978171
## Prominence_cooc.W.PET	-0.0467821329	0.012527930
## IC1_d.W.PET	-0.0276189917	-0.126197562
## IC2_d.W.PET	0.2210443567	0.848751547
## Coarseness_vdif.W.PET	0.4197384052	0.468082965
## Contrast_vdif.W.PET	0.1303418912	0.490075772
## Busyness_vdif.W.PET	0.1376055580	0.228512137
## Complexity_vdif.W.PET	-0.0940713559	0.168470570
## Strength_vdif.W.PET	0.0529696527	0.257742854
## SRE_align.W.PET	0.2340558032	0.992089199
## LRE_align.W.PET	0.3055788169	0.869096724
## GLNU_align.W.PET	-0.1651313402	0.251436510
## RLNU_align.W.PET	-0.1866436906	0.222072875
## RP_align.W.PET	0.2286850705	0.987831113
## LGRE_align.W.PET	0.3543390427	0.505619380
## HGRE_align.W.PET	-0.1089403035	0.259768615
## LGSRE_align.W.PET	0.3572055449	0.541721514
## HGSRE_align.W.PET	-0.1078382602	0.255614141
## LGHRE_align.W.PET	0.3179406774	0.341431276
## HGLRE_align.W.PET	-0.1133910681	0.276172483
## GLNU_norm_align.W.PET	0.4056898135	0.525867437
## RLNU_norm_align.W.PET	0.2066476725	0.968485398
## GLVAR_align.W.PET	-0.0967048369	0.259824324
## RLVAR_align.W.PET	0.2615459081	0.364681577
## Entropy_align.W.PET	0.0958440996	0.898602514
## SZSE.W.PET	0.1747832004	0.941065984
## LZSE.W.PET	0.1919890550	0.132128659
## LGLZE.W.PET	0.3432728936	0.529521620
## HGLZE.W.PET	-0.1069841087	0.263354764
## SZLGE.W.PET	0.3194465668	0.603170146
## SZHGE.W.PET	-0.1034195588	0.251712428
## LZLGE.W.PET	0.1498822100	0.002837454
## LZHGE.W.PET	-0.0757735167	0.297105927
## GLNU_area.W.PET	-0.1791959415	0.260641024
## ZSNU.W.PET	-0.1819296833	0.211099144
## ZSP.W.PET	0.1180603885	0.870338946
## GLNU_norm.W.PET	0.4074832213	0.546156941
## ZSNU_norm.W.PET	0.1093649883	0.866306043
## GLVAR_area.W.PET	-0.0968257930	0.263609890
## ZSVAR.W.PET	0.1408756719	0.042869962
## Entropy_area.W.PET	0.1355810092	0.935983498
## Min_hist.ADC	0.5806126305	0.352925593
## Max_hist.ADC	0.0220653326	0.866439190
## Mean_hist.ADC	0.2494714829	0.866079749
## Variance_hist.ADC	-0.0915366949	0.443229445
## Standard_Deviation_hist.ADC	0.0232848801	0.720250782
## Skewness_hist.ADC	0.2176603445	0.224341264
## Kurtosis_hist.ADC	-0.0769925714	0.250746083
## Energy_hist.ADC	0.3676813186	0.468755550
## Entropy_hist.ADC	-0.0149025209	0.941767249
## AUC_hist.ADC	0.2234495602	0.971666923
## Volume.ADC	-0.1849069276	0.298869321

## X3D_surface.ADC	-0.3699186989	0.395867266	
## ratio_3ds_vol.ADC	0.7893706500	0.680979686	
## ratio_3ds_vol_norm.ADC	0.1236134723	0.933052654	
## irregularity.ADC	0.4591327571	0.967850580	
## Compactness_v1.ADC	0.3623297127	0.702717186	
##	LRE_align.L.ADC	GLNU_align.L.ADC	RLNU_align.L.ADC
## Failure	-0.027275808	-0.1603096079	-1.692904e-01
## Entropy_cooc.W.ADC	0.061400557	0.2385017178	2.677813e-01
## GLNU_align.H.PET	-0.005442710	0.1437312088	1.677641e-01
## Min_hist.PET	0.524175591	0.2737955800	2.763215e-01
## Max_hist.PET	0.560595279	0.3384451867	3.119736e-01
## Mean_hist.PET	0.531932423	0.3045018004	2.870002e-01
## Variance_hist.PET	0.275238350	0.2363297865	1.765652e-01
## Standard_Deviation_hist.PET	0.552190866	0.3325669854	2.900913e-01
## Skewness_hist.PET	0.535943930	0.1801063112	2.211622e-01
## Kurtosis_hist.PET	0.171067069	0.0699766964	1.031405e-01
## Energy_hist.PET	0.404887665	0.0526624755	7.846619e-02
## Entropy_hist.PET	0.874105163	0.3728283916	4.169498e-01
## AUC_hist.PET	0.980228707	0.3448461162	3.632886e-01
## H_suv.PET	0.578695255	0.3635780881	3.134492e-01
## Volume.PET	0.381030523	0.3391934018	3.488783e-01
## X3D_surface.PET	0.249352263	0.2224609006	2.482306e-01
## ratio_3ds_vol.PET	0.527731176	0.0402754180	4.650194e-02
## ratio_3ds_vol_norm.PET	0.578674315	0.2777609045	2.583960e-01
## irregularity.PET	0.937948118	0.2467989434	2.668258e-01
## tumor_length.PET	0.627424603	0.3860614289	3.901042e-01
## Compactness_v1.PET	0.530235915	0.1711317027	1.920338e-01
## Compactness_v2.PET	0.252248319	0.1673853847	1.508103e-01
## Spherical_disproportion.PET	0.578674315	0.2777609045	2.583960e-01
## Sphericity.PET	0.254952282	0.1635796615	1.484856e-01
## Asphericity.PET	0.557167199	0.2719599299	2.518175e-01
## Center_of_mass.PET	0.397031468	0.3024159362	3.000528e-01
## Max_3D_diam.PET	0.493042672	0.3387299853	3.238945e-01
## Major_axis_length.PET	0.527638559	0.3529093293	3.435532e-01
## Minor_axis_length.PET	0.700894953	0.4712738572	4.639649e-01
## Least_axis_length.PET	0.602653498	0.4475563397	4.316587e-01
## Elongation.PET	0.850120797	0.3059693594	3.278310e-01
## Flatness.PET	0.792612852	0.3234720714	3.367353e-01
## Max_cooc.L.PET	0.437790738	0.0880518376	1.154073e-01
## Average_cooc.L.PET	0.775632628	0.1855407032	1.813303e-01
## Variance_cooc.L.PET	0.596052631	0.0386523795	4.316968e-02
## Entropy_cooc.L.PET	0.969469230	0.3537364749	3.628761e-01
## DAVE_cooc.L.PET	0.715482099	0.1051023041	1.137871e-01
## DVAR_cooc.L.PET	0.639083347	0.0474909882	4.679022e-02
## DENT_cooc.L.PET	0.945663025	0.2786644358	2.908291e-01
## SAVE_cooc.L.PET	0.775466163	0.1855044349	1.812600e-01
## SVAR_cooc.L.PET	0.606736585	0.0630482509	6.663315e-02
## SENT_cooc.L.PET	0.949722624	0.2943933117	3.070098e-01
## ASM_cooc.L.PET	0.410793114	0.0937319805	1.206400e-01
## Contrast_cooc.L.PET	0.498778742	-0.0053206413	6.164358e-05
## Dissimilarity_cooc.L.PET	0.715482099	0.1051023041	1.137871e-01
## Inv_diff_cooc.L.PET	0.855581890	0.3651028973	3.827105e-01
## Inv_diff_norm_cooc.L.PET	0.982009742	0.3511192395	3.660316e-01
## IDM_cooc.L.PET	0.768362767	0.3387025700	3.576422e-01

## IDM_norm_cooc.L.PET	0.983753493	0.3430661999	3.578075e-01
## Inv_var_cooc.L.PET	0.776243542	0.3560377742	3.754530e-01
## Correlation_cooc.L.PET	0.659233064	0.3206820301	3.251523e-01
## Autocorrelation_cooc.L.PET	0.562848978	0.0795319290	7.171765e-02
## Tendency_cooc.L.PET	0.606736585	0.0630482509	6.663315e-02
## Shade_cooc.L.PET	0.300824390	0.0675055786	8.603188e-02
## Prominence_cooc.L.PET	0.411795704	-0.0197535925	-1.126610e-02
## IC1_.L.PET	-0.291446776	0.1437121937	1.519528e-01
## IC2_.L.PET	0.850475265	0.1690494686	1.807256e-01
## Coarseness_vdif_.L.PET	0.424835608	-0.0102018429	1.469901e-02
## Contrast_vdif_.L.PET	0.185726748	-0.1037245843	-1.038400e-01
## Busyness_vdif_.L.PET	0.369210112	0.3352943629	3.360066e-01
## Complexity_vdif_.L.PET	0.677634836	0.1019573232	1.146792e-01
## Strength_vdif_.L.PET	0.235060989	-0.1770736192	-1.616964e-01
## SRE_align.L.PET	0.981251409	0.3250468070	3.399871e-01
## LRE_align.L.PET	0.978935832	0.3442773691	3.569473e-01
## GLNU_align.L.PET	0.308841863	0.2862049251	2.801917e-01
## RLNU_align.L.PET	0.277811847	0.3060100039	2.972180e-01
## RP_align.L.PET	0.980553552	0.3229406716	3.380165e-01
## LGRE_align.L.PET	0.611963516	0.1387209691	1.766279e-01
## HGRE_align.L.PET	0.584486071	0.0981490140	8.968938e-02
## LGSRE_align.L.PET	0.616236777	0.1405004771	1.783298e-01
## HGSRE_align.L.PET	0.582532926	0.0945568146	8.659477e-02
## LGHRE_align.L.PET	0.591666563	0.1310645107	1.690940e-01
## HGLRE_align.L.PET	0.590705125	0.1129069863	1.022323e-01
## GLNU_norm_align.L.PET	0.652609191	0.1660659699	2.010023e-01
## RLNU_norm_align.L.PET	0.977514242	0.3156360384	3.309915e-01
## GLVAR_align.L.PET	0.627703270	0.0762784647	7.741738e-02
## RLVAR_align.L.PET	0.637356827	0.2648397420	2.804763e-01
## Entropy_align.L.PET	0.971484944	0.3493565150	3.564178e-01
## SZSE.L.PET	0.959537415	0.3189906606	3.359000e-01
## LZSE.L.PET	0.687068109	0.2513306835	2.479807e-01
## LGLZE.L.PET	0.624171345	0.1430512279	1.802787e-01
## HGLZE.L.PET	0.594203429	0.0993676281	9.088422e-02
## SZLGE.L.PET	0.632201057	0.1478439346	1.857812e-01
## SZHGE.L.PET	0.590187404	0.0964602713	9.057646e-02
## LZLGE.L.PET	0.500345139	0.1117656747	1.474092e-01
## LZHGE.L.PET	0.485083885	0.1016029173	7.973995e-02
## GLNU_area.L.PET	0.309944497	0.2919528298	2.879381e-01
## ZSNU.L.PET	0.278107481	0.3084056958	3.028108e-01
## ZSP.L.PET	0.962986785	0.3102463046	3.289477e-01
## GLNU_norm.L.PET	0.652974484	0.1683167081	2.033039e-01
## ZSNU_norm.L.PET	0.960536168	0.2966417466	3.157569e-01
## GLVAR_area.L.PET	0.638755701	0.0774504506	7.780315e-02
## ZSVAR.L.PET	0.466154370	0.2429713212	2.221095e-01
## Entropy_area.L.PET	0.975253334	0.3597482319	3.652797e-01
## Max_cooc.H.PET	0.269125260	-0.0663519220	-2.795482e-02
## Average_cooc.H.PET	0.949093211	0.2640424756	2.874125e-01
## Variance_cooc.H.PET	0.856504532	0.3652672523	3.521783e-01
## Entropy_cooc.H.PET	0.832440221	0.3275163832	3.017225e-01
## DAVE_cooc.H.PET	0.869446450	0.3012408005	3.047700e-01
## DVAR_cooc.H.PET	0.842109867	0.2821134723	2.810097e-01
## DENT_cooc.H.PET	0.780147992	0.3363403122	3.792182e-01
## SAVE_cooc.H.PET	0.959929691	0.3005916353	3.268199e-01

## SVAR_cooc.H.PET	0.841285217	0.3988554277	4.343393e-01
## SENT_cooc.H.PET	0.681208979	0.2756830676	2.747640e-01
## ASM_cooc.H.PET	0.252520002	-0.0555219150	-2.132955e-02
## Contrast_cooc.H.PET	0.773295405	0.2602504490	2.595354e-01
## Dissimilarity_cooc.H.PET	0.869446450	0.3012408005	3.047700e-01
## Inv_diff_cooc.H.PET	0.641234646	0.1216686688	1.581527e-01
## Inv_diff_norm_cooc.H.PET	0.977692479	0.3250669162	3.413709e-01
## IDM_cooc.H.PET	0.535402681	0.0691844056	1.087780e-01
## IDM_norm_cooc.H.PET	0.981486789	0.3295450531	3.449699e-01
## Inv_var_cooc_.H.PET	0.575053761	0.2292625904	2.353937e-01
## Correlation_cooc.H.PET	0.667796969	0.3248002418	3.227614e-01
## Autocorrelation_cooc.H.PET	0.886019807	0.2079456251	2.361982e-01
## Tendency_cooc.H.PET	0.824858269	0.3893424236	3.707350e-01
## Shade_cooc.H.PET	-0.405437432	-0.0715346069	-6.899447e-02
## Prominence_cooc.H.PET	0.619423427	0.3675544494	3.358830e-01
## IC1_d.H.PET	-0.109463616	-0.0818924930	-7.360961e-02
## IC2_d.H.PET	0.773627231	0.3440058109	3.396436e-01
## Coarseness_vdif.H.PET	0.399904230	0.0741184092	9.919769e-02
## Contrast_vdif.H.PET	0.244949447	-0.1078051395	-1.003165e-01
## Busyness_vdif.H.PET	0.174194704	0.2440213121	2.174890e-01
## Complexity_vdif.H.PET	0.625897671	0.1268029559	1.488026e-01
## Strength_vdif.H.PET	-0.002862656	-0.0966863474	-9.817704e-02
## SRE_align.H.PET	0.961684013	0.3442037519	3.508888e-01
## LRE_align.H.PET	0.613493910	0.1285732943	1.637768e-01
## RLNU_align.H.PET	0.275422287	0.3070430841	2.949293e-01
## RP_align.H.PET	0.949480332	0.3404968952	3.454311e-01
## LGRE_align.H.PET	0.428342951	0.1142287138	1.359613e-01
## HGRE_align.H.PET	0.891759029	0.2295316679	2.581061e-01
## LGSRE_align.H.PET	0.425856147	0.1128207779	1.346323e-01
## HGSRE_align.H.PET	0.941413420	0.2685480469	2.912266e-01
## LGHRE_align.H.PET	0.441566344	0.1213757742	1.432065e-01
## HGLRE_align.H.PET	0.412705803	0.0605473814	9.081568e-02
## GLNU_norm_align.H.PET	0.470144429	-0.0112118363	3.357150e-02
## RLNU_norm_align.H.PET	0.902391274	0.3373752756	3.366810e-01
## GLVAR_align.H.PET	0.826720777	0.3737605361	3.596614e-01
## RLVAR_align.H.PET	0.267678299	0.0422457484	7.704972e-02
## Entropy_align.H.PET	0.906136735	0.4159189360	4.058975e-01
## SZSE.H.PET	0.858099883	0.3620924785	3.611431e-01
## LZSE.H.PET	-0.062639589	-0.0247648391	-5.100973e-03
## LGLZE.H.PET	0.428948387	0.1150111465	1.361877e-01
## HGLZE.H.PET	0.851572197	0.2487204913	2.989598e-01
## SZLGE.H.PET	0.422443357	0.1108793731	1.328315e-01
## SZHGE.H.PET	0.822855023	0.2840965806	3.043789e-01
## LZLGE.H.PET	-0.002400407	-0.0003646886	2.154184e-02
## LZHGE.H.PET	-0.056927334	-0.0429881181	-3.106658e-02
## GLNU_area.H.PET	0.322426853	0.3110715690	3.077599e-01
## ZSNU.H.PET	0.237047076	0.2842786416	2.744663e-01
## ZSP.H.PET	0.677522469	0.3041410088	2.941599e-01
## GLNU_norm.H.PET	0.483393335	-0.0146436763	2.031784e-02
## ZSNU_norm.H.PET	0.727829786	0.3314007788	3.231690e-01
## GLVAR_area.H.PET	0.805132706	0.3743460791	3.658173e-01
## ZSVAR_H.PET	-0.059960293	-0.0312105880	-1.490762e-02
## Entropy_area.H.PET	0.950895636	0.4086826889	4.095400e-01
## Max_cooc.W.PET	0.305847195	-0.0296134533	4.372846e-03

## Average_cooc.W.PET	0.538424324	0.3248752743	2.783289e-01
## Variance_cooc.W.PET	0.272536819	0.2184188338	1.633020e-01
## Entropy_cooc.W.PET	0.864668767	0.3953290762	3.818973e-01
## DAVE_cooc.W.PET	0.557453100	0.2754000122	2.441795e-01
## DVAR_cooc.W.PET	0.300427657	0.1965807678	1.488215e-01
## DENT_cooc.W.PET	0.845644005	0.3630474076	3.518644e-01
## SAVE_cooc.W.PET	0.537729538	0.3247579101	2.781475e-01
## SVAR_cooc.W.PET	0.250021963	0.2251428947	1.675471e-01
## SENT_cooc.W.PET	0.894213684	0.3765718813	3.694682e-01
## ASM_cooc.W.PET	0.341114117	0.0040704445	3.627106e-02
## Contrast_cooc.W.PET	0.306648605	0.1811899587	1.374532e-01
## Dissimilarity_cooc.W.PET	0.557453100	0.2754000122	2.441795e-01
## Inv_diff_cooc.W.PET	0.721722016	0.1520619415	1.909868e-01
## Inv_diff_norm_cooc.W.PET	0.981729074	0.3482785632	3.632527e-01
## IDM_cooc.W.PET	0.585350869	0.0868551680	1.282198e-01
## IDM_norm_cooc.W.PET	0.983691649	0.3419638823	3.566438e-01
## Inv_var_cooc.W.PET	0.658208401	0.1244160547	1.649279e-01
## Correlation_cooc.W.PET	0.659484386	0.3250099307	3.293582e-01
## Autocorrelation_cooc.W.PET	0.271966302	0.2500134754	1.838699e-01
## Tendency_cooc.W.PET	0.250021963	0.2251428947	1.675471e-01
## Shade_cooc.W.PET	0.055952322	0.0965933764	5.726502e-02
## Prominence_cooc.W.PET	0.021563994	0.0752437490	3.130691e-02
## IC1_d.W.PET	-0.122058410	-0.0540191729	-3.802885e-02
## IC2_d.W.PET	0.828966456	0.3132436620	3.104336e-01
## Coarseness_vdif.W.PET	0.387765730	-0.0467049858	-2.554053e-02
## Contrast_vdif.W.PET	0.462160613	0.1146215428	1.001739e-01
## Busyness_vdif.W.PET	0.237897730	0.0856770217	1.110063e-01
## Complexity_vdif.W.PET	0.185621997	0.1919967839	1.261551e-01
## Strength_vdif.W.PET	0.231530480	-0.0430818376	-4.475532e-02
## SRE_align.W.PET	0.979143445	0.3395688559	3.502467e-01
## LRE_align.W.PET	0.843147624	0.2418516235	2.692837e-01
## GLNU_align.W.PET	0.314142260	0.2825839472	2.890244e-01
## RLNU_align.W.PET	0.277391484	0.3055052826	2.945207e-01
## RP_align.W.PET	0.975118497	0.3399589253	3.495388e-01
## LGRE_align.W.PET	0.458227439	-0.0086011733	4.137893e-02
## HGRE_align.W.PET	0.275477796	0.2577413802	1.905527e-01
## LGSRE_align.W.PET	0.494700619	0.0037280403	5.360228e-02
## HGSRE_align.W.PET	0.270772543	0.2530354933	1.862241e-01
## LGHRE_align.W.PET	0.297413879	-0.0462420606	8.851937e-04
## HGLRE_align.W.PET	0.294119029	0.2759766261	2.072093e-01
## GLNU_norm_align.W.PET	0.469345413	-0.0077684536	3.668123e-02
## RLNU_norm_align.W.PET	0.958646385	0.3436714785	3.492829e-01
## GLVAR_align.W.PET	0.275335261	0.2371758537	1.771656e-01
## RLVAR_align.W.PET	0.335409630	0.0423518846	7.719080e-02
## Entropy_align.W.PET	0.907989150	0.4106531175	4.006007e-01
## SZSE.W.PET	0.936287411	0.3538845160	3.604541e-01
## LZSE.W.PET	0.110984554	-0.0448870678	-3.367695e-02
## LGLZE.W.PET	0.486362416	0.0075938811	5.503150e-02
## HGLZE.W.PET	0.278561647	0.2515204985	1.853042e-01
## SZLGE.W.PET	0.566471998	0.0555362156	1.018376e-01
## SZHGE.W.PET	0.264830442	0.2334573648	1.701311e-01
## LZLGE.W.PET	-0.019391799	-0.0780222186	-5.729785e-02
## LZHGE.W.PET	0.320794753	0.2886936542	2.036522e-01
## GLNU_area.W.PET	0.326337128	0.3030459198	3.059848e-01

## ZSNU.W.PET	0.261380287	0.2962025230	2.875907e-01
## ZSP.W.PET	0.869357908	0.3503771338	3.526823e-01
## GLNU_norm.W.PET	0.488059916	-0.0049467401	3.729459e-02
## ZSNU_norm.W.PET	0.864970667	0.3467335395	3.458963e-01
## GLVAR_area.W.PET	0.279493478	0.2348377302	1.744175e-01
## ZSVAR.W.PET	0.029164526	-0.0598855957	-5.261498e-02
## Entropy_area.W.PET	0.943147468	0.4079967284	4.038411e-01
## Min_hist.ADC	0.273365870	-0.2606172344	-2.953401e-01
## Max_hist.ADC	0.915300057	0.5301600094	5.387470e-01
## Mean_hist.ADC	0.859568307	0.2154223664	2.289850e-01
## Variance_hist.ADC	0.458996577	0.3615685339	4.757334e-01
## Standard_Deviation_hist.ADC	0.725889987	0.4045243094	4.929777e-01
## Skewness_hist.ADC	0.247016809	0.2148111389	1.232138e-01
## Kurtosis_hist.ADC	0.358961250	0.3437894805	1.697212e-01
## Energy_hist.ADC	0.414631867	0.0616658190	8.341938e-02
## Entropy_hist.ADC	0.962416410	0.4640436162	4.984255e-01
## AUC_hist.ADC	0.975358690	0.4052118673	3.966790e-01
## Volume.ADC	0.371459631	0.3446730433	3.546331e-01
## X3D_surface.ADC	0.529937124	0.8285303066	8.324667e-01
## ratio_3ds_vol.ADC	0.549820282	-0.1951821805	-1.873003e-01
## ratio_3ds_vol_norm.ADC	0.942570653	0.3899481270	4.138581e-01
## irregularity.ADC	0.916341580	0.1678076203	1.705796e-01
## Compactness_v1.ADC	0.654112050	0.1567800842	1.744153e-01
##	RP_align.L.ADC	LGRE_align.L.ADC	HGRE_align.L.ADC
## Failure	0.012176659	0.0570465979	-0.057347079
## Entropy_cooc.W.ADC	0.014163577	0.0026002422	-0.034347083
## GLNU_align.H.PET	-0.053808778	0.0800972801	-0.112783821
## Min_hist.PET	0.529066112	0.0966102487	0.381204747
## Max_hist.PET	0.538216573	0.1140433613	0.348345214
## Mean_hist.PET	0.527163087	0.0933397007	0.348121629
## Variance_hist.PET	0.258421308	0.0272008062	0.107490831
## Standard_Deviation_hist.PET	0.531473660	0.1314487949	0.340269509
## Skewness_hist.PET	0.533486741	0.2990316210	0.460550055
## Kurtosis_hist.PET	0.145814864	0.1326860307	0.109393163
## Energy_hist.PET	0.462675968	0.9465854569	0.316392176
## Entropy_hist.PET	0.863746412	0.3175502248	0.590840668
## AUC_hist.PET	0.993196965	0.5099653300	0.693818943
## H_suv.PET	0.555892802	0.2098445747	0.370792172
## Volume.PET	0.306213003	-0.1140817784	0.052199508
## X3D_surface.PET	0.212865572	0.1472646123	0.115853083
## ratio_3ds_vol.PET	0.587844234	0.6134435284	0.512603593
## ratio_3ds_vol_norm.PET	0.584897008	0.6297554833	0.400058738
## irregularity.PET	0.971591231	0.4773975728	0.723382227
## tumor_length.PET	0.591193222	0.3598508767	0.359763212
## Compactness_v1.PET	0.562301408	0.8895630047	0.324268374
## Compactness_v2.PET	0.221346676	-0.2373964476	0.096395836
## Spherical_disproportion.PET	0.584897008	0.6297554833	0.400058738
## Sphericity.PET	0.218895888	-0.3773903763	0.103311335
## Asphericity.PET	0.563079115	0.6272873100	0.384311154
## Center_of_mass.PET	0.361495180	0.2070915137	0.216818000
## Max_3D_diam.PET	0.446424881	-0.1184934806	0.219408414
## Major_axis_length.PET	0.494652892	0.0217549340	0.234376628
## Minor_axis_length.PET	0.641014496	0.1714233444	0.369683945
## Least_axis_length.PET	0.538656632	0.0533766307	0.277210545

## Elongation.PET	0.855390040	0.4840914494	0.657823300
## Flatness.PET	0.789876952	0.3815696857	0.566144195
## Max_cooc.L.PET	0.484758830	0.9598422015	0.303171823
## Average_cooc.L.PET	0.818942551	0.3719121031	0.554339922
## Variance_cooc.L.PET	0.660404939	0.3290456491	0.522308981
## Entropy_cooc.L.PET	0.976182529	0.3915266669	0.668052729
## DAVE_cooc.L.PET	0.767224025	0.3582270999	0.610934250
## DVAR_cooc.L.PET	0.677529625	0.3668665752	0.579990736
## DENT_cooc.L.PET	0.971458811	0.4236590470	0.707477372
## SAVE_cooc.L.PET	0.818739293	0.3708811447	0.554239996
## SVAR_cooc.L.PET	0.668135193	0.3255685749	0.489952768
## SENT_cooc.L.PET	0.977615727	0.5083744662	0.697821700
## ASM_cooc.L.PET	0.455295964	0.9625012443	0.281826068
## Contrast_cooc.L.PET	0.559151339	0.2900040382	0.503350404
## Dissimilarity_cooc.L.PET	0.767224025	0.3582270999	0.610934250
## Inv_diff_cooc.L.PET	0.847350812	0.5512809357	0.563121133
## Inv_diff_norm_cooc.L.PET	0.990884990	0.4706516853	0.690142988
## IDM_cooc.L.PET	0.758898427	0.6005221288	0.498075422
## IDM_norm_cooc.L.PET	0.995214091	0.4682270297	0.696035456
## Inv_var_cooc.L.PET	0.762258751	0.5990145816	0.498585220
## Correlation_cooc.L.PET	0.652977587	0.3622630908	0.364883888
## Autocorrelation_cooc.L.PET	0.616786654	0.3135355142	0.391336369
## Tendency_cooc.L.PET	0.668135193	0.3255685749	0.489952768
## Shade_cooc.L.PET	0.329485575	0.1322895564	0.308350144
## Prominence_cooc.L.PET	0.477235592	0.2579326801	0.391897537
## IC1_.L.PET	-0.376834890	0.0052798528	-0.392812626
## IC2_.L.PET	0.911268554	0.5469093676	0.692227262
## Coarseness_vdif_.L.PET	0.501727950	0.8964714371	0.356870885
## Contrast_vdif_.L.PET	0.248501537	0.1997172905	0.330145472
## Busyness_vdif_.L.PET	0.293983585	-0.0159937360	0.144585297
## Complexity_vdif_.L.PET	0.725903364	0.4044698368	0.632009640
## Strength_vdif_.L.PET	0.318315812	0.2945253809	0.363729865
## SRE_align.L.PET	0.998048194	0.4734376372	0.705963828
## LRE_align.L.PET	0.988442286	0.4570374112	0.696848504
## GLNU_align.L.PET	0.241221443	0.0001441920	0.109767847
## RLNU_align.L.PET	0.216938972	-0.0466379141	0.083712461
## RP_align.L.PET	0.998009205	0.4733613963	0.707032280
## LGRE_align.L.PET	0.634993572	0.6449406781	0.507024100
## HGRE_align.L.PET	0.637955883	0.3219838185	0.415370616
## LGSRE_align.L.PET	0.640064586	0.6546487969	0.509594636
## HGSRE_align.L.PET	0.636603096	0.3231094441	0.415694097
## LGHRE_align.L.PET	0.611440145	0.6047060074	0.493226764
## HGLRE_align.L.PET	0.641520321	0.3162397778	0.413138994
## GLNU_norm_align.L.PET	0.688605697	0.8763316474	0.486218404
## RLNU_norm_align.L.PET	0.997088286	0.4740951607	0.709230672
## GLVAR_align.L.PET	0.685821781	0.3357897044	0.515886346
## RLVAR_align.L.PET	0.644619481	0.8136201489	0.396187019
## Entropy_align.L.PET	0.981711777	0.4082444645	0.672173470
## SZSE.L.PET	0.976406746	0.4794906773	0.675913963
## LZSE.L.PET	0.687645581	0.2830710616	0.522445510
## LGLZE.L.PET	0.646569868	0.6565987464	0.515840024
## HGLZE.L.PET	0.647458583	0.3232278016	0.425941035
## SZLGE.L.PET	0.656575754	0.6868681886	0.514772600
## SZHGE.L.PET	0.642528280	0.3303640904	0.417886259

## LZLGE.L.PET	0.510042402	0.4736503877	0.424037641
## LZHGE.L.PET	0.529127575	0.2308959329	0.364337565
## GLNU_area.L.PET	0.242801321	-0.0046081879	0.107106239
## ZSNU.L.PET	0.218235722	-0.0560624163	0.079993121
## ZSP.L.PET	0.983623818	0.4764615312	0.688340532
## GLNU_norm.L.PET	0.688886408	0.8803284170	0.484871669
## ZSNU_norm.L.PET	0.986672665	0.4764005016	0.698805281
## GLVAR_area.L.PET	0.696681316	0.3432170569	0.522344820
## ZSVAR.L.PET	0.441199925	0.3375403226	0.296499490
## Entropy_area.L.PET	0.981236963	0.4057069586	0.670292047
## Max_cooc.H.PET	0.324128069	0.4499824909	0.191740608
## Average_cooc.H.PET	0.975137251	0.4561243387	0.694357046
## Variance_cooc.H.PET	0.851641322	0.3126988961	0.588161840
## Entropy_cooc.H.PET	0.832043800	0.2597722056	0.606312089
## DAVE_cooc.H.PET	0.877007737	0.3321396258	0.661434421
## DVAR_cooc.H.PET	0.854329506	0.3478184666	0.606188998
## DENT_cooc.H.PET	0.765362110	0.2271657438	0.565708144
## SAVE_cooc.H.PET	0.979791641	0.4422261717	0.710311712
## SVAR_cooc.H.PET	0.839204151	0.3525764915	0.560558673
## SENT_cooc.H.PET	0.695264926	0.5615239248	0.533458581
## ASM_cooc.H.PET	0.310626845	0.5354695617	0.142901726
## Contrast_cooc.H.PET	0.783630510	0.2929737512	0.592834022
## Dissimilarity_cooc.H.PET	0.877007737	0.3321396258	0.661434421
## Inv_diff_cooc.H.PET	0.682132509	0.5158194328	0.427140466
## Inv_diff_norm_cooc.H.PET	0.994587840	0.4871745480	0.694504655
## IDM_cooc.H.PET	0.579324093	0.4904787798	0.352847996
## IDM_norm_cooc.H.PET	0.996966928	0.4767061928	0.701111776
## Inv_var_cooc.H.PET	0.601477960	0.8530164059	0.398122354
## Correlation_cooc.H.PET	0.659984738	0.3570545137	0.370852700
## Autocorrelation_cooc.H.PET	0.920230600	0.4638318648	0.646836766
## Tendency_cooc.H.PET	0.812212989	0.2952651335	0.533041505
## Shade_cooc.H.PET	-0.416401708	-0.1603179369	-0.318885581
## Prominence_cooc.H.PET	0.594844118	0.1727255057	0.371513690
## IC1_d.H.PET	-0.106927125	0.2878579512	-0.045686047
## IC2_d.H.PET	0.778426629	0.4022913264	0.508557841
## Coarseness_vdif.H.PET	0.450134503	0.9577735484	0.286407885
## Contrast_vdif.H.PET	0.306845016	0.3049261273	0.164416252
## Busyness_vdif.H.PET	0.100954785	-0.3857759373	0.032102803
## Complexity_vdif.H.PET	0.672697241	0.6325578837	0.557046628
## Strength_vdif.H.PET	0.033545772	0.1231146763	0.016438992
## SRE_align.H.PET	0.970493397	0.4336456947	0.703800522
## LRE_align.H.PET	0.642725186	0.3829673237	0.408035541
## RLNU_align.H.PET	0.217040449	-0.0367160077	0.071713968
## RP_align.H.PET	0.958936275	0.4256671894	0.698255636
## LGRE_align.H.PET	0.472279573	0.9571609959	0.279075005
## HGRE_align.H.PET	0.925002311	0.4589729147	0.642828360
## LGSRE_align.H.PET	0.469904076	0.9571559639	0.277747866
## HGSRE_align.H.PET	0.968098060	0.4402090633	0.703994914
## LGHRE_align.H.PET	0.485020119	0.9581735193	0.286234800
## HGLRE_align.H.PET	0.444369712	0.3062004599	0.252371277
## GLNU_norm_align.H.PET	0.526380690	0.4918566470	0.342495208
## RLNU_norm_align.H.PET	0.908131874	0.3883698457	0.674252152
## GLVAR_align.H.PET	0.817437662	0.2898349440	0.558989777
## RLVAR_align.H.PET	0.288009033	0.2734884850	0.148834949

## Entropy_align.H.PET	0.893527684	0.3214168531	0.602997571
## SZSE.H.PET	0.851527602	0.3566217187	0.622315883
## LZSE.H.PET	-0.058157649	-0.0132916840	-0.048146275
## LGLZE.H.PET	0.472974322	0.9554389090	0.278148276
## HGLZE.H.PET	0.868535214	0.3930538551	0.644318115
## SZLGE.H.PET	0.466716764	0.9560791720	0.274077512
## SZHGE.H.PET	0.830604342	0.3142318745	0.657953992
## LZLGE.H.PET	0.007155873	0.1232212454	-0.018540128
## LZHGE.H.PET	-0.047762721	0.0269547558	-0.056723466
## GLNU_area.H.PET	0.250537077	-0.0610879470	0.119941490
## ZSNU.H.PET	0.190152003	-0.0429510815	0.035227730
## ZSP.H.PET	0.668353933	0.2284186945	0.504006180
## GLNU_norm.H.PET	0.539094973	0.4949114882	0.344412459
## ZSNU_norm.H.PET	0.721303107	0.2772880059	0.541677489
## GLVAR_area.H.PET	0.796472829	0.2782620748	0.534654924
## ZSVAR_H.PET	-0.054759673	0.0117828794	-0.054330911
## Entropy_area.H.PET	0.940436066	0.3695104229	0.633223170
## Max_cooc.W.PET	0.364232219	0.6497936514	0.203274001
## Average_cooc.W.PET	0.521191144	0.1077831763	0.303141400
## Variance_cooc.W.PET	0.258922224	0.0345272247	0.123288022
## Entropy_cooc.W.PET	0.850835241	0.2776662126	0.598612673
## DAVE_cooc.W.PET	0.548615458	0.1251299023	0.392497837
## DVAR_cooc.W.PET	0.293635736	0.0211328687	0.180996059
## DENT_cooc.W.PET	0.836828231	0.2824484458	0.613824221
## SAVE_cooc.W.PET	0.520401360	0.1058311716	0.302658710
## SVAR_cooc.W.PET	0.232857057	0.0386535372	0.092533548
## SENT_cooc.W.PET	0.892711521	0.4017893013	0.642545461
## ASM_cooc.W.PET	0.401017493	0.8131117047	0.209926701
## Contrast_cooc.W.PET	0.303489832	0.0194260860	0.192465410
## Dissimilarity_cooc.W.PET	0.548615458	0.1251299023	0.392497837
## Inv_diff_cooc.W.PET	0.760411560	0.5264080228	0.499072244
## Inv_diff_norm_cooc.W.PET	0.991415115	0.4728024288	0.690981474
## IDM_cooc.W.PET	0.628925808	0.5004376599	0.392704512
## IDM_norm_cooc.W.PET	0.995433348	0.4689971745	0.697164990
## Inv_var_cooc.W.PET	0.697718773	0.5285688303	0.456261399
## Correlation_cooc.W.PET	0.652127233	0.3593351677	0.363680861
## Autocorrelation_cooc.W.PET	0.255755825	0.0011430321	0.068545118
## Tendency_cooc.W.PET	0.232857057	0.0386535372	0.092533548
## Shade_cooc.W.PET	0.042936286	0.0367407879	0.003540275
## Prominence_cooc.W.PET	0.011754959	0.0104490707	-0.040684622
## IC1_d.W.PET	-0.126135122	0.3578373930	-0.102790749
## IC2_d.W.PET	0.848405884	0.4530986972	0.599272956
## Coarseness_vdif.W.PET	0.473081829	0.8281882832	0.358195743
## Contrast_vdif.W.PET	0.491189739	0.2378489500	0.392520613
## Busyness_vdif.W.PET	0.227248334	-0.0143875650	0.082995407
## Complexity_vdif.W.PET	0.166850616	0.0209281179	0.042810640
## Strength_vdif.W.PET	0.259199958	0.1631308830	0.270964023
## SRE_align.W.PET	0.990990322	0.4554770494	0.710104519
## LRE_align.W.PET	0.869166499	0.4576408294	0.578653922
## GLNU_align.W.PET	0.246188253	-0.0483980580	0.132552597
## RLNU_align.W.PET	0.217436544	-0.0374570279	0.078861373
## RP_align.W.PET	0.986726915	0.4501569324	0.709759947
## LGRE_align.W.PET	0.508069050	0.4647531045	0.366900345
## HGRE_align.W.PET	0.258074910	-0.0076150795	0.073150299

## LGSRE_align.W.PET	0.544068539	0.4896809560	0.403935040
## HGSRE_align.W.PET	0.253970522	-0.0094953249	0.071423583
## LGHRE_align.W.PET	0.343972671	0.3464933455	0.214252400
## HGLRE_align.W.PET	0.274275143	-0.0001271704	0.080791041
## GLNU_norm_align.W.PET	0.528967693	0.5843765531	0.341250033
## RLNU_norm_align.W.PET	0.967217447	0.4293873881	0.706142473
## GLVAR_align.W.PET	0.258131311	0.0248627169	0.107721745
## RLVAR_align.W.PET	0.366022670	0.4093936744	0.186761511
## Entropy_align.W.PET	0.896036124	0.3188691248	0.611605222
## SZSE.W.PET	0.939479524	0.4267782384	0.677173337
## LZSE.W.PET	0.133376023	0.1537274329	0.060318788
## LGLZE.W.PET	0.531599345	0.4855582036	0.372039514
## HGLZE.W.PET	0.261688167	-0.0068971435	0.079970874
## SZLGE.W.PET	0.604622669	0.5550776244	0.443787782
## SZHGE.W.PET	0.250223842	-0.0109355920	0.074880710
## LZLGE.W.PET	0.004474915	0.0725967097	-0.027953432
## LZHGE.W.PET	0.294724465	0.0479497435	0.126652573
## GLNU_area.W.PET	0.255150905	-0.0535671257	0.131237656
## ZSNU.W.PET	0.206865713	-0.0381264637	0.061910252
## ZSP.W.PET	0.868629095	0.3559728392	0.640062474
## GLNU_norm.W.PET	0.549316845	0.6017724887	0.347053279
## ZSNU_norm.W.PET	0.864628728	0.3587475606	0.655156277
## GLVAR_area.W.PET	0.261881082	0.0289186415	0.112825206
## ZSVAR.W.PET	0.043753600	0.1132195296	0.004198193
## Entropy_area.W.PET	0.933498232	0.3539399691	0.630621266
## Min_hist.ADC	0.358190081	0.2187637957	0.227042580
## Max_hist.ADC	0.861063621	0.3738757009	0.560451298
## Mean_hist.ADC	0.864842572	0.3470177142	0.825998585
## Variance_hist.ADC	0.441030039	0.3488728300	0.253984343
## Standard_Deviation_hist.ADC	0.718249640	0.4168771889	0.470846931
## Skewness_hist.ADC	0.222148168	0.1263442663	-0.388054810
## Kurtosis_hist.ADC	0.242365658	0.0553263300	0.197175606
## Energy_hist.ADC	0.471823996	0.9661590875	0.290570630
## Entropy_hist.ADC	0.938281044	0.3868469297	0.637551385
## AUC_hist.ADC	0.969358192	0.4634553808	0.595848925
## Volume.ADC	0.292799800	-0.1234443240	0.048135826
## X3D_surface.ADC	0.385124784	0.1208996482	0.073702899
## ratio_3ds_vol.ADC	0.689260039	0.5088032299	0.587671655
## ratio_3ds_vol_norm.ADC	0.930399919	0.3732563994	0.658915759
## irregularity.ADC	0.969611980	0.4839245906	0.691441894
## Compactness_v1.ADC	0.704885141	0.9171578381	0.458998605
##	LGSRE_align.L.ADC	HGSRE_align.L.ADC	
## Failure	0.0600711597	-0.052738110	
## Entropy_cooc.W.ADC	-0.0022335201	-0.039516171	
## GLNU_align.H.PET	0.0762641853	-0.118240627	
## Min_hist.PET	0.0966899614	0.383247636	
## Max_hist.PET	0.1133437394	0.348237623	
## Mean_hist.PET	0.0932415143	0.349914321	
## Variance_hist.PET	0.0270136024	0.108652183	
## Standard_Deviation_hist.PET	0.1312982472	0.340596488	
## Skewness_hist.PET	0.2987485590	0.456429538	
## Kurtosis_hist.PET	0.1327132348	0.104282408	
## Energy_hist.PET	0.9504092110	0.321977214	
## Entropy_hist.PET	0.3147063398	0.590237666	

## AUC_hist.PET	0.5095411742	0.695965037
## H_suv.PET	0.2112414567	0.371542778
## Volume.PET	-0.1186983074	0.047800865
## X3D_surface.PET	0.1439437850	0.112923973
## ratio_3ds_vol.PET	0.6173609891	0.516164951
## ratio_3ds_vol_norm.PET	0.6305619182	0.399757323
## irregularity.PET	0.4777086260	0.726458340
## tumor_length.PET	0.3565464043	0.356857652
## Compactness_v1.PET	0.8921175832	0.327854046
## Compactness_v2.PET	-0.2396312314	0.094308039
## Spherical_disproportion.PET	0.6305619182	0.399757323
## Sphericity.PET	-0.3800490503	0.101488728
## Asphericity.PET	0.6281231911	0.383933355
## Center_of_mass.PET	0.2041598223	0.214081296
## Max_3D_diam.PET	-0.1221379337	0.217094444
## Major_axis_length.PET	0.0182662666	0.233366408
## Minor_axis_length.PET	0.1680070576	0.365499657
## Least_axis_length.PET	0.0495938483	0.273740052
## Elongation.PET	0.4845299711	0.658175509
## Flatness.PET	0.3813454943	0.567820055
## Max_cooc.L.PET	0.9632793025	0.307388440
## Average_cooc.L.PET	0.3734860355	0.560998393
## Variance_cooc.L.PET	0.3315984463	0.529165793
## Entropy_cooc.L.PET	0.3909480267	0.669930819
## DAVE_cooc.L.PET	0.3607635581	0.617341869
## DVAR_cooc.L.PET	0.3706832869	0.584394392
## DENT_cooc.L.PET	0.4242891130	0.711008334
## SAVE_cooc.L.PET	0.3724515410	0.560896109
## SVAR_cooc.L.PET	0.3274214701	0.496006079
## SENT_cooc.L.PET	0.5089341963	0.701437532
## ASM_cooc.L.PET	0.9658792786	0.285952061
## Contrast_cooc.L.PET	0.2933239307	0.510559623
## Dissimilarity_cooc.L.PET	0.3607635581	0.617341869
## Inv_diff_cooc.L.PET	0.5497412855	0.562538374
## Inv_diff_norm_cooc.L.PET	0.4699667536	0.691777456
## IDM_cooc.L.PET	0.5991223746	0.497177733
## IDM_norm_cooc.L.PET	0.4677171962	0.697974541
## Inv_var_cooc.L.PET	0.5974734351	0.496863043
## Correlation_cooc.L.PET	0.3589122200	0.363651147
## Autocorrelation_cooc.L.PET	0.3159315613	0.399067839
## Tendency_cooc.L.PET	0.3274214701	0.496006079
## Shade_cooc.L.PET	0.1322721704	0.306054837
## Prominence_cooc.L.PET	0.2603062404	0.396151934
## IC1_.L.PET	0.0043234988	-0.401115327
## IC2_.L.PET	0.5476856691	0.698224268
## Coarseness_vdif_.L.PET	0.9007698036	0.364004015
## Contrast_vdif_.L.PET	0.2026924959	0.338378028
## Busyness_vdif_.L.PET	-0.0193752278	0.139679072
## Complexity_vdif_.L.PET	0.4074060966	0.637666537
## Strength_vdif_.L.PET	0.2978914125	0.370163137
## SRE_align.L.PET	0.4732967219	0.708466366
## LRE_align.L.PET	0.4563443608	0.698750567
## GLNU_align.L.PET	-0.0035996285	0.105061545
## RLNU_align.L.PET	-0.0506870243	0.080157698

## RP_align.L.PET	0.4732644478	0.709597473
## LGRE_align.L.PET	0.6458082314	0.507928251
## HGRE_align.L.PET	0.3245669621	0.423289368
## LGSRE_align.L.PET	0.6555905417	0.510619742
## HGSRE_align.L.PET	0.3257343088	0.423620616
## LGHRE_align.L.PET	0.6052775158	0.493656862
## HGLRE_align.L.PET	0.3186317095	0.420997685
## GLNU_norm_align.L.PET	0.8786211381	0.489015674
## RLNU_norm_align.L.PET	0.4741367000	0.711990004
## GLVAR_align.L.PET	0.3381749697	0.522777579
## RLVAR_align.L.PET	0.8138003950	0.397335372
## Entropy_align.L.PET	0.4077092294	0.674515379
## SZSE.L.PET	0.4794068650	0.678300746
## LZSE.L.PET	0.2821405295	0.523682825
## LGLZE.L.PET	0.6575172947	0.516728339
## HGLZE.L.PET	0.3258241041	0.433715789
## SZLGE.L.PET	0.6879573075	0.515932181
## SZHGE.L.PET	0.3329364913	0.425253680
## LZLGE.L.PET	0.4732938210	0.423529757
## LZHGE.L.PET	0.2328527892	0.371903447
## GLNU_area.L.PET	-0.0084336640	0.102479373
## ZSNU.L.PET	-0.0600740584	0.076560662
## ZSP.L.PET	0.4765389748	0.691098923
## GLNU_norm.L.PET	0.8825778209	0.487701575
## ZSNU_norm.L.PET	0.4766976770	0.702204655
## GLVAR_area.L.PET	0.3456106643	0.529114620
## ZSVAR.L.PET	0.3358754673	0.295239839
## Entropy_area.L.PET	0.4050065906	0.672174660
## Max_cooc.H.PET	0.4498918035	0.194392544
## Average_cooc.H.PET	0.4556935400	0.697157217
## Variance_cooc.H.PET	0.3131739583	0.590493398
## Entropy_cooc.H.PET	0.2605631888	0.607376019
## DAVE_cooc.H.PET	0.3337489955	0.664492571
## DVAR_cooc.H.PET	0.3498834872	0.609969792
## DENT_cooc.H.PET	0.2240298655	0.563970245
## SAVE_cooc.H.PET	0.4411773665	0.712491853
## SVAR_cooc.H.PET	0.3504167893	0.561947295
## SENT_cooc.H.PET	0.5632952925	0.535521606
## ASM_cooc.H.PET	0.5361730157	0.146964994
## Contrast_cooc.H.PET	0.2954291609	0.596688628
## Dissimilarity_cooc.H.PET	0.3337489955	0.664492571
## Inv_diff_cooc.H.PET	0.5146594678	0.429890386
## Inv_diff_norm_cooc.H.PET	0.4866149983	0.696759926
## IDM_cooc.H.PET	0.4894024327	0.355628561
## IDM_norm_cooc.H.PET	0.4762431148	0.703340901
## Inv_var_cooc_.H.PET	0.8556020196	0.400364878
## Correlation_cooc.H.PET	0.3537054904	0.370030447
## Autocorrelation_cooc.H.PET	0.4632224962	0.649931381
## Tendency_cooc.H.PET	0.2946274822	0.534341370
## Shade_cooc.H.PET	-0.1610739565	-0.323124516
## Prominence_cooc.H.PET	0.1719567958	0.372193509
## IC1_d.H.PET	0.2931903458	-0.045041993
## IC2_d.H.PET	0.3997442777	0.509510654
## Coarseness_vdif.H.PET	0.9614417119	0.291089741

## Contrast_vdif.H.PET	0.3071402556	0.171725723
## Busyness_vdif.H.PET	-0.3879216630	0.028529193
## Complexity_vdif.H.PET	0.6362109796	0.562329763
## Strength_vdif.H.PET	0.1248249157	0.019478872
## SRE_align.H.PET	0.4339822059	0.705939250
## LRE_align.H.PET	0.3801549401	0.410242622
## RLNU_align.H.PET	-0.0405124441	0.068531562
## RP_align.H.PET	0.4261894765	0.700581568
## LGRE_align.H.PET	0.9605225477	0.283485587
## HGRE_align.H.PET	0.4584310336	0.645921964
## LGSRE_align.H.PET	0.9605328002	0.282159929
## HGSRE_align.H.PET	0.4402712176	0.706786042
## LGHRE_align.H.PET	0.9614037409	0.290628748
## HGLRE_align.H.PET	0.3040476534	0.254535141
## GLNU_norm_align.H.PET	0.4919714358	0.346394910
## RLNU_norm_align.H.PET	0.3892309246	0.676440890
## GLVAR_align.H.PET	0.2900755490	0.560956012
## RLVAR_align.H.PET	0.2704350452	0.149340220
## Entropy_align.H.PET	0.3203329127	0.603536566
## SZSE.H.PET	0.3569989763	0.622516791
## LZSE.H.PET	-0.0172933835	-0.048792639
## LGLZE.H.PET	0.9587902121	0.282607796
## HGLZE.H.PET	0.3910380582	0.645019766
## SZLGE.H.PET	0.9594498948	0.278500189
## SZHGE.H.PET	0.3144255634	0.658080118
## LZLGE.H.PET	0.1191567711	-0.018728604
## LZHGE.H.PET	0.0239745317	-0.056756957
## GLNU_area.H.PET	-0.0645994327	0.115321925
## ZSNU.H.PET	-0.0464403983	0.033038327
## ZSP.H.PET	0.2297246416	0.504251505
## GLNU_norm.H.PET	0.4954838066	0.348657153
## ZSNU_norm.H.PET	0.2781731334	0.541924975
## GLVAR_area.H.PET	0.2782970334	0.536708543
## ZSVAR.H.PET	0.0079382235	-0.054876790
## Entropy_area.H.PET	0.3681599334	0.633953396
## Max_cooc.W.PET	0.6513202334	0.207069862
## Average_cooc.W.PET	0.1075294779	0.304501523
## Variance_cooc.W.PET	0.0345761905	0.124468081
## Entropy_cooc.W.PET	0.2773163748	0.599179280
## DAVE_cooc.W.PET	0.1260754990	0.393877942
## DVAR_cooc.W.PET	0.0220427595	0.182827422
## DENT_cooc.W.PET	0.2827639388	0.614600962
## SAVE_cooc.W.PET	0.1055704357	0.304010605
## SVAR_cooc.W.PET	0.0383221116	0.093259734
## SENT_cooc.W.PET	0.4019095556	0.643897534
## ASM_cooc.W.PET	0.8154702543	0.214674786
## Contrast_cooc.W.PET	0.0204623834	0.194723230
## Dissimilarity_cooc.W.PET	0.1260754990	0.393877942
## Inv_diff_cooc.W.PET	0.5255686842	0.502198681
## Inv_diff_norm_cooc.W.PET	0.4721398247	0.692696353
## IDM_cooc.W.PET	0.4995229125	0.395908739
## IDM_norm_cooc.W.PET	0.4685025979	0.699142803
## Inv_var_cooc.W.PET	0.5277897844	0.459206815
## Correlation_cooc.W.PET	0.3559784819	0.362346594

## Autocorrelation_cooc.W.PET	0.0006171405	0.070273582
## Tendency_cooc.W.PET	0.0383221116	0.093259734
## Shade_cooc.W.PET	0.0369183062	0.003564676
## Prominence_cooc.W.PET	0.0104946622	-0.039625603
## IC1_d.W.PET	0.3624953182	-0.102524734
## IC2_d.W.PET	0.4516071787	0.601414618
## Coarseness_vdif.W.PET	0.8326202359	0.366730451
## Contrast_vdif.W.PET	0.2407542369	0.397457969
## Busyness_vdif.W.PET	-0.0182596635	0.082448572
## Complexity_vdif.W.PET	0.0206955995	0.043971149
## Strength_vdif.W.PET	0.1653800862	0.272397805
## SRE_align.W.PET	0.4554950593	0.712316408
## LRE_align.W.PET	0.4560961575	0.581164298
## GLNU_align.W.PET	-0.0525886918	0.127689382
## RLNU_align.W.PET	-0.0413642403	0.075439309
## RP_align.W.PET	0.4502859217	0.712020326
## LGRE_align.W.PET	0.4643915154	0.369802445
## HGRE_align.W.PET	-0.0081001806	0.074829592
## LGSRE_align.W.PET	0.4895813658	0.406909347
## HGSRE_align.W.PET	-0.0099302635	0.073129210
## LGHRE_align.W.PET	0.3449889233	0.216547432
## HGLRE_align.W.PET	-0.0008273517	0.082364059
## GLNU_norm_align.W.PET	0.5850967523	0.345413931
## RLNU_norm_align.W.PET	0.4297465941	0.708236435
## GLVAR_align.W.PET	0.0246717197	0.108847861
## RLVAR_align.W.PET	0.4073468638	0.188379199
## Entropy_align.W.PET	0.3180162646	0.612323798
## SZSE.W.PET	0.4270031815	0.678379023
## LZSE.W.PET	0.1517608663	0.060963602
## LGLZE.W.PET	0.4853254791	0.374626996
## HGLZE.W.PET	-0.0073105573	0.081600539
## SZLGE.W.PET	0.5554460554	0.445417296
## SZHGE.W.PET	-0.0111931406	0.076559738
## LZLGE.W.PET	0.0701417807	-0.027281788
## LZHGE.W.PET	0.0468385575	0.127579366
## GLNU_area.W.PET	-0.0574432650	0.126365079
## ZSNU.W.PET	-0.0418119883	0.058981059
## ZSP.W.PET	0.3566032512	0.641446629
## GLNU_norm.W.PET	0.6026961138	0.351571952
## ZSNU_norm.W.PET	0.3595240613	0.656131456
## GLVAR_area.W.PET	0.0287687902	0.113821453
## ZSVAR.W.PET	0.1111433413	0.003860575
## Entropy_area.W.PET	0.3526889618	0.631437123
## Min_hist.ADC	0.2238573084	0.233079793
## Max_hist.ADC	0.3705042468	0.555502034
## Mean_hist.ADC	0.3484257316	0.823469173
## Variance_hist.ADC	0.3410081339	0.254612468
## Standard_Deviation_hist.ADC	0.4108924795	0.472477735
## Skewness_hist.ADC	0.1285024441	-0.382106933
## Kurtosis_hist.ADC	0.0565814909	0.181812167
## Energy_hist.ADC	0.9700235722	0.296262006
## Entropy_hist.ADC	0.3841673876	0.635453401
## AUC_hist.ADC	0.4637280460	0.598233653
## Volume.ADC	-0.1280081453	0.043258602

## X3D_surface.ADC	0.1135270694	0.061212705
## ratio_3ds_vol.ADC	0.5137900541	0.603945818
## ratio_3ds_vol_norm.ADC	0.3718161344	0.659135923
## irregularity.ADC	0.4853082105	0.699232017
## Compactness_v1.ADC	0.9202090587	0.464037778
##	LGHRE_align.L.ADC	HGLRE_align.L.ADC
## Failure	0.040487232	-0.074019024
## Entropy_cooc.W.ADC	0.028114150	-0.013569168
## GLNU_align.H.PET	0.100076517	-0.090320411
## Min_hist.PET	0.095287292	0.368523449
## Max_hist.PET	0.116901340	0.344804830
## Mean_hist.PET	0.092954684	0.336846845
## Variance_hist.PET	0.027730397	0.101915168
## Standard_Deviation_hist.PET	0.131235239	0.335179970
## Skewness_hist.PET	0.298910281	0.472424100
## Kurtosis_hist.PET	0.132105569	0.128829744
## Energy_hist.PET	0.922134100	0.290903638
## Entropy_hist.PET	0.329878622	0.586249700
## AUC_hist.PET	0.509002569	0.677472921
## H_suv.PET	0.201202084	0.363594300
## Volume.PET	-0.090317308	0.069617706
## X3D_surface.PET	0.163065426	0.126139084
## ratio_3ds_vol.PET	0.589814086	0.493687161
## ratio_3ds_vol_norm.PET	0.622305557	0.397180987
## irregularity.PET	0.472639445	0.703324545
## tumor_length.PET	0.374560129	0.366993237
## Compactness_v1.PET	0.871835720	0.306643283
## Compactness_v2.PET	-0.224891613	0.104176693
## Spherical_disproportion.PET	0.622305557	0.397180987
## Sphericity.PET	-0.362117058	0.109590101
## Asphericity.PET	0.619721355	0.381922214
## Center_of_mass.PET	0.220626790	0.226309117
## Max_3D_diam.PET	-0.099642781	0.226192345
## Major_axis_length.PET	0.038943536	0.236096420
## Minor_axis_length.PET	0.187938860	0.381873760
## Least_axis_length.PET	0.072312909	0.287380848
## Elongation.PET	0.479326260	0.648490396
## Flatness.PET	0.380750674	0.551787726
## Max_cooc.L.PET	0.937314420	0.283231750
## Average_cooc.L.PET	0.360727954	0.521850227
## Variance_cooc.L.PET	0.313153250	0.489836179
## Entropy_cooc.L.PET	0.391589169	0.652977854
## DAVE_cooc.L.PET	0.342256063	0.578953687
## DVAR_cooc.L.PET	0.344467873	0.557226093
## DENT_cooc.L.PET	0.417267486	0.685637164
## SAVE_cooc.L.PET	0.359719876	0.521760733
## SVAR_cooc.L.PET	0.313266436	0.461108647
## SENT_cooc.L.PET	0.502053593	0.675585167
## ASM_cooc.L.PET	0.940285185	0.262393780
## Contrast_cooc.L.PET	0.270554541	0.469489008
## Dissimilarity_cooc.L.PET	0.342256063	0.578953687
## Inv_diff_cooc.L.PET	0.556391390	0.558808424
## Inv_diff_norm_cooc.L.PET	0.471143642	0.675816583
## IDM_cooc.L.PET	0.604888562	0.495703392

## IDM_norm_cooc.L.PET	0.467772254	0.680457729
## Inv_var_cooc.L.PET	0.604117648	0.499670354
## Correlation_cooc.L.PET	0.377603747	0.365643144
## Autocorrelation_cooc.L.PET	0.298373598	0.356655522
## Tendency_cooc.L.PET	0.313266436	0.461108647
## Shade_cooc.L.PET	0.131460705	0.315150374
## Prominence_cooc.L.PET	0.243596063	0.371850406
## IC1_.L.PET	0.010400851	-0.355985123
## IC2_.L.PET	0.539589684	0.660796042
## Coarseness_vdif_.L.PET	0.869596665	0.325064866
## Contrast_vdif_.L.PET	0.183148949	0.293906821
## Busyness_vdif_.L.PET	0.001077923	0.162798791
## Complexity_vdif_.L.PET	0.386472628	0.602727204
## Strength_vdif_.L.PET	0.275358866	0.335110971
## SRE_align.L.PET	0.470986089	0.688098295
## LRE_align.L.PET	0.457676754	0.681321359
## GLNU_align.L.PET	0.019326573	0.127856782
## RLNU_align.L.PET	-0.025922422	0.097142064
## RP_align.L.PET	0.470674193	0.688908455
## LGRE_align.L.PET	0.637359878	0.497746387
## HGRE_align.L.PET	0.305836225	0.379571549
## LGSRE_align.L.PET	0.646617536	0.499805845
## HGSRE_align.L.PET	0.306742031	0.379887433
## LGHRE_align.L.PET	0.598939041	0.485994685
## HGLRE_align.L.PET	0.301111171	0.377491633
## GLNU_norm_align.L.PET	0.860034977	0.469833384
## RLNU_norm_align.L.PET	0.470664758	0.690327558
## GLVAR_align.L.PET	0.320693988	0.483250079
## RLVAR_align.L.PET	0.808918221	0.386887820
## Entropy_align.L.PET	0.408068890	0.655223162
## SZSE.L.PET	0.476627912	0.658978585
## LZSE.L.PET	0.286496154	0.511049139
## LGLZE.L.PET	0.648666577	0.506582999
## HGLZE.L.PET	0.307001303	0.390616208
## SZLGE.L.PET	0.677817123	0.504541413
## SZHGE.L.PET	0.314187686	0.384392878
## LZLGE.L.PET	0.473695930	0.421112824
## LZHGE.L.PET	0.218901079	0.329941706
## GLNU_area.L.PET	0.014942723	0.124866765
## ZSNU.L.PET	-0.035596020	0.092930540
## ZSP.L.PET	0.472713760	0.669768264
## GLNU_norm.L.PET	0.864202275	0.468353345
## ZSNU_norm.L.PET	0.471474093	0.677496122
## GLVAR_area.L.PET	0.328040469	0.490136337
## ZSVAR.L.PET	0.345356597	0.297463837
## Entropy_area.L.PET	0.406477813	0.655186933
## Max_cooc.H.PET	0.447527992	0.179768095
## Average_cooc.H.PET	0.455134743	0.675563713
## Variance_cooc.H.PET	0.308194287	0.571968441
## Entropy_cooc.H.PET	0.254123689	0.595980770
## DAVE_cooc.H.PET	0.321460552	0.641681064
## DVAR_cooc.H.PET	0.334496691	0.584274180
## DENT_cooc.H.PET	0.241499992	0.565893535
## SAVE_cooc.H.PET	0.444513307	0.693738224

## SVAR_cooc.H.PET	0.361449482	0.548071256
## SENT_cooc.H.PET	0.549338762	0.518982949
## ASM_cooc.H.PET	0.528517103	0.125663423
## Contrast_cooc.H.PET	0.278113101	0.570595686
## Dissimilarity_cooc.H.PET	0.321460552	0.641681064
## Inv_diff_cooc.H.PET	0.518508770	0.411591571
## Inv_diff_norm_cooc.H.PET	0.486844140	0.677748091
## IDM_cooc.H.PET	0.492919031	0.338027302
## IDM_norm_cooc.H.PET	0.475938149	0.684374222
## Inv_var_cooc.H.PET	0.835298538	0.385054348
## Correlation_cooc.H.PET	0.372525799	0.369787398
## Autocorrelation_cooc.H.PET	0.463671328	0.627528530
## Tendency_cooc.H.PET	0.296760580	0.521563397
## Shade_cooc.H.PET	-0.155797691	-0.297361558
## Prominence_cooc.H.PET	0.175743449	0.364070153
## IC1_d.H.PET	0.258497430	-0.046952800
## IC2_d.H.PET	0.413327822	0.498822933
## Coarseness_vdif.H.PET	0.934060561	0.264769200
## Contrast_vdif.H.PET	0.291074319	0.134460835
## Busyness_vdif.H.PET	-0.372956276	0.045651950
## Complexity_vdif.H.PET	0.610037467	0.529524832
## Strength_vdif.H.PET	0.113567153	0.004609258
## SRE_align.H.PET	0.429036716	0.687381629
## LRE_align.H.PET	0.394932584	0.394668398
## RLNU_align.H.PET	-0.017499105	0.084020258
## RP_align.H.PET	0.420137832	0.681165216
## LGRE_align.H.PET	0.935009197	0.258494047
## HGRE_align.H.PET	0.458507594	0.623483215
## LGSRE_align.H.PET	0.934925513	0.257180441
## HGSRE_align.H.PET	0.436801649	0.685160534
## LGHRE_align.H.PET	0.936699779	0.265604204
## HGLRE_align.H.PET	0.315087096	0.240954233
## GLNU_norm_align.H.PET	0.487943524	0.323585703
## RLNU_norm_align.H.PET	0.381359207	0.657959934
## GLVAR_align.H.PET	0.286721687	0.544515329
## RLVAR_align.H.PET	0.287631362	0.144935767
## Entropy_align.H.PET	0.324855267	0.593818526
## SZSE.H.PET	0.352387446	0.614457714
## LZSE.H.PET	0.008034125	-0.045166340
## LGLZE.H.PET	0.933349586	0.257366062
## HGLZE.H.PET	0.400500602	0.633517294
## SZLGE.H.PET	0.933887346	0.253501940
## SZHGE.H.PET	0.311121126	0.649888502
## LZLGE.H.PET	0.144590704	-0.017843973
## LZHGE.H.PET	0.042447405	-0.055829855
## GLNU_area.H.PET	-0.043111167	0.137309234
## ZSNU.H.PET	-0.025460169	0.044126191
## ZSP.H.PET	0.219984919	0.497392956
## GLNU_norm.H.PET	0.488665261	0.324416617
## ZSNU_norm.H.PET	0.270959918	0.534380299
## GLVAR_area.H.PET	0.276253877	0.519756328
## ZSVAR.H.PET	0.032168941	-0.051575344
## Entropy_area.H.PET	0.373949543	0.622880723
## Max_cooc.W.PET	0.638159120	0.186510350

## Average_cooc.W.PET	0.108125932	0.294221073
## Variance_cooc.W.PET	0.033793975	0.117451544
## Entropy_cooc.W.PET	0.277538263	0.589480517
## DAVE_cooc.W.PET	0.119178264	0.382468777
## DVAR_cooc.W.PET	0.016028183	0.171690445
## DENT_cooc.W.PET	0.278832194	0.603777237
## SAVE_cooc.W.PET	0.106219869	0.293776236
## SVAR_cooc.W.PET	0.039884870	0.088994144
## SENT_cooc.W.PET	0.398644721	0.629729557
## ASM_cooc.W.PET	0.796499901	0.189113788
## Contrast_cooc.W.PET	0.013642554	0.181160124
## Dissimilarity_cooc.W.PET	0.119178264	0.382468777
## Inv_diff_cooc.W.PET	0.527398026	0.481103661
## Inv_diff_norm_cooc.W.PET	0.473165835	0.676335513
## IDM_cooc.W.PET	0.502003028	0.375659169
## IDM_norm_cooc.W.PET	0.468462035	0.681426235
## Inv_var_cooc.W.PET	0.529359955	0.439636440
## Correlation_cooc.W.PET	0.374726520	0.364847044
## Autocorrelation_cooc.W.PET	0.003477405	0.061103670
## Tendency_cooc.W.PET	0.039884870	0.088994144
## Shade_cooc.W.PET	0.035604015	0.004180462
## Prominence_cooc.W.PET	0.010083823	-0.043760207
## IC1_d.W.PET	0.331657913	-0.102028966
## IC2_d.W.PET	0.458364764	0.583803952
## Coarseness_vdif.W.PET	0.800968864	0.320892170
## Contrast_vdif.W.PET	0.221133245	0.367966360
## Busyness_vdif.W.PET	0.004957616	0.083956695
## Complexity_vdif.W.PET	0.021905151	0.038241582
## Strength_vdif.W.PET	0.150771503	0.262528783
## SRE_align.W.PET	0.452363260	0.693346099
## LRE_align.W.PET	0.462537226	0.562047215
## GLNU_align.W.PET	-0.026610488	0.150205054
## RLNU_align.W.PET	-0.017580167	0.091975251
## RP_align.W.PET	0.446500752	0.692812577
## LGRE_align.W.PET	0.463615801	0.351495975
## HGRE_align.W.PET	-0.005419373	0.065807846
## LGSRE_align.W.PET	0.487081951	0.387840201
## HGSRE_align.W.PET	-0.007549003	0.064013509
## LGHRE_align.W.PET	0.351882730	0.202910847
## HGLRE_align.W.PET	0.003150196	0.073702334
## GLNU_norm_align.W.PET	0.576948466	0.321319539
## RLNU_norm_align.W.PET	0.424699217	0.689915219
## GLVAR_align.W.PET	0.025429707	0.102290636
## RLVAR_align.W.PET	0.417577026	0.178118614
## Entropy_align.W.PET	0.321115708	0.601645450
## SZSE.W.PET	0.422762114	0.664944804
## LZSE.W.PET	0.163023661	0.057609285
## LGLZE.W.PET	0.483611639	0.357980431
## HGLZE.W.PET	-0.005067508	0.072775346
## SZLGE.W.PET	0.549732535	0.432983754
## SZHGE.W.PET	-0.009913412	0.067601729
## LZLGE.W.PET	0.084890392	-0.030172704
## LZHGE.W.PET	0.053396512	0.121654557
## GLNU_area.W.PET	-0.033558954	0.149175408

## ZSNU.W.PET	-0.019546952	0.073393671
## ZSP.W.PET	0.350259048	0.627294501
## GLNU_norm.W.PET	0.593189829	0.325748953
## ZSNU_norm.W.PET	0.352318896	0.644025051
## GLVAR_area.W.PET	0.029276008	0.107870186
## ZSVAR.W.PET	0.123384027	0.006192142
## Entropy_area.W.PET	0.358041917	0.620010639
## Min_hist.ADC	0.190277085	0.205155709
## Max_hist.ADC	0.388705796	0.574011554
## Mean_hist.ADC	0.337153050	0.828989559
## Variance_hist.ADC	0.387059308	0.246034443
## Standard_Deviation_hist.ADC	0.444900913	0.456809733
## Skewness_hist.ADC	0.113780317	-0.407168823
## Kurtosis_hist.ADC	0.048683501	0.261179386
## Energy_hist.ADC	0.941371303	0.265101250
## Entropy_hist.ADC	0.398056839	0.637737181
## AUC_hist.ADC	0.458850373	0.579505887
## Volume.ADC	-0.099922098	0.067394618
## X3D_surface.ADC	0.158550523	0.122116178
## ratio_3ds_vol.ADC	0.479960401	0.517321454
## ratio_3ds_vol_norm.ADC	0.378274596	0.650651492
## irregularity.ADC	0.473557559	0.652928054
## Compactness_v1.ADC	0.896426273	0.433894427
##	GLNU_norm_align.L.ADC	RLNU_norm_align.L.ADC
## Failure	0.003078968	0.020789416
## Entropy_cooc.W.ADC	0.008603367	0.003815902
## GLNU_align.H.PET	0.046518056	-0.063702954
## Min_hist.PET	0.313515770	0.525945008
## Max_hist.PET	0.353418602	0.529723312
## Mean_hist.PET	0.321591460	0.522193001
## Variance_hist.PET	0.166801663	0.253251580
## Standard_Deviation_hist.PET	0.373272597	0.523390637
## Skewness_hist.PET	0.442514770	0.528879510
## Kurtosis_hist.PET	0.161375251	0.139334179
## Energy_hist.PET	0.843306293	0.471664258
## Entropy_hist.PET	0.570708034	0.854934985
## AUC_hist.PET	0.777878329	0.988639723
## H_suv.PET	0.458402053	0.547188519
## Volume.PET	0.067604450	0.289394961
## X3D_surface.PET	0.187172940	0.204313622
## ratio_3ds_vol.PET	0.671728735	0.596144709
## ratio_3ds_vol_norm.PET	0.719327191	0.582230511
## irregularity.PET	0.725342692	0.971353322
## tumor_length.PET	0.515660198	0.579577641
## Compactness_v1.PET	0.860480532	0.565331068
## Compactness_v2.PET	-0.063190997	0.213800291
## Spherical_disproportion.PET	0.719327191	0.582230511
## Sphericity.PET	-0.166022754	0.210107499
## Asphericity.PET	0.708897717	0.560514820
## Center_of_mass.PET	0.295360207	0.352473082
## Max_3D_diam.PET	0.117277719	0.434120358
## Major_axis_length.PET	0.218697525	0.485007916
## Minor_axis_length.PET	0.434886415	0.624292561
## Least_axis_length.PET	0.307342245	0.521978741

## Elongation.PET	0.732640180	0.849735973
## Flatness.PET	0.635082863	0.783062117
## Max_cooc.L.PET	0.868520369	0.491262777
## Average_cooc.L.PET	0.581763926	0.822095076
## Variance_cooc.L.PET	0.471607210	0.668982311
## Entropy_cooc.L.PET	0.696985792	0.970334517
## DAVE_cooc.L.PET	0.560230872	0.772358357
## DVAR_cooc.L.PET	0.562359865	0.681103902
## DENT_cooc.L.PET	0.705983091	0.969667948
## SAVE_cooc.L.PET	0.580949825	0.821885368
## SVAR_cooc.L.PET	0.463982064	0.676031995
## SENT_cooc.L.PET	0.767613885	0.976188512
## ASM_cooc.L.PET	0.862267098	0.461502255
## Contrast_cooc.L.PET	0.420008544	0.567653759
## Dissimilarity_cooc.L.PET	0.560230872	0.772358357
## Inv_diff_cooc.L.PET	0.754179913	0.839476182
## Inv_diff_norm_cooc.L.PET	0.751775307	0.985453055
## IDM_cooc.L.PET	0.751404909	0.751459696
## IDM_norm_cooc.L.PET	0.750894262	0.990285403
## Inv_var_cooc.L.PET	0.754070317	0.753876049
## Correlation_cooc.L.PET	0.511598129	0.646980947
## Autocorrelation_cooc.L.PET	0.435977608	0.623778382
## Tendency_cooc.L.PET	0.463982064	0.676031995
## Shade_cooc.L.PET	0.214529425	0.332626504
## Prominence_cooc.L.PET	0.329225740	0.487393095
## IC1_.L.PET	-0.063466815	-0.391889158
## IC2_.L.PET	0.729216290	0.917137866
## Coarseness_vdif_.L.PET	0.800532610	0.514411497
## Contrast_vdif_.L.PET	0.213446340	0.260220327
## Busyness_vdif_.L.PET	0.150614100	0.277366201
## Complexity_vdif_.L.PET	0.591395111	0.730611502
## Strength_vdif_.L.PET	0.279530182	0.333521687
## SRE_align.L.PET	0.753343776	0.994206447
## LRE_align.L.PET	0.742460237	0.983174981
## GLNU_align.L.PET	0.132192050	0.226711921
## RLNU_align.L.PET	0.079832357	0.203812577
## RP_align.L.PET	0.753128480	0.994301896
## LGRE_align.L.PET	0.722349352	0.635188941
## HGRE_align.L.PET	0.458482825	0.644698569
## LGSRE_align.L.PET	0.731747745	0.640388066
## HGSRE_align.L.PET	0.458201386	0.643481670
## LGHRE_align.L.PET	0.682507069	0.611135522
## HGLRE_align.L.PET	0.458298239	0.647678503
## GLNU_norm_align.L.PET	0.896866903	0.691217746
## RLNU_norm_align.L.PET	0.752648355	0.993819605
## GLVAR_align.L.PET	0.492079072	0.693001930
## RLVAR_align.L.PET	0.852758713	0.641702172
## Entropy_align.L.PET	0.706789353	0.976614947
## SZSE.L.PET	0.742199037	0.972744785
## LZSE.L.PET	0.514785056	0.682674317
## LGLZE.L.PET	0.737156899	0.646601543
## HGLZE.L.PET	0.465177104	0.654061412
## SZLGE.L.PET	0.760968118	0.656988710
## SZHGE.L.PET	0.465152534	0.648943355

## LZLGE.L.PET	0.548011309	0.508276038
## LZHGE.L.PET	0.371862153	0.534667110
## GLNU_area.L.PET	0.125978897	0.228349288
## ZSNU.L.PET	0.069798145	0.205255399
## ZSP.L.PET	0.741927653	0.980673616
## GLNU_norm.L.PET	0.899770176	0.691476702
## ZSNU_norm.L.PET	0.742173637	0.984794580
## GLVAR_area.L.PET	0.503628501	0.703719893
## ZSVAR.L.PET	0.461768478	0.432798542
## Entropy_area.L.PET	0.708766867	0.975278674
## Max_cooc.H.PET	0.363881519	0.333262793
## Average_cooc.H.PET	0.708260375	0.973334494
## Variance_cooc.H.PET	0.620294492	0.844499016
## Entropy_cooc.H.PET	0.575546227	0.826623431
## DAVE_cooc.H.PET	0.639665573	0.872152400
## DVAR_cooc.H.PET	0.627142996	0.850681571
## DENT_cooc.H.PET	0.480399109	0.756182466
## SAVE_cooc.H.PET	0.700139698	0.976674659
## SVAR_cooc.H.PET	0.593930653	0.832329568
## SENT_cooc.H.PET	0.734421403	0.692921847
## ASM_cooc.H.PET	0.422666477	0.320525808
## Contrast_cooc.H.PET	0.575332317	0.780029431
## Dissimilarity_cooc.H.PET	0.639665573	0.872152400
## Inv_diff_cooc.H.PET	0.578533855	0.685604398
## Inv_diff_norm_cooc.H.PET	0.755250188	0.990793582
## IDM_cooc.H.PET	0.509218817	0.584175135
## IDM_norm_cooc.H.PET	0.753011397	0.992861693
## Inv_var_cooc.H.PET	0.875837405	0.602865693
## Correlation_cooc.H.PET	0.521020970	0.653613661
## Autocorrelation_cooc.H.PET	0.670952574	0.920515908
## Tendency_cooc.H.PET	0.589024062	0.803795024
## Shade_cooc.H.PET	-0.296737145	-0.415386904
## Prominence_cooc.H.PET	0.425251196	0.585520076
## IC1_d.H.PET	0.208611921	-0.105369431
## IC2_d.H.PET	0.601381252	0.773894621
## Coarseness_vdif.H.PET	0.854732480	0.457566283
## Contrast_vdif.H.PET	0.250932090	0.318127383
## Busyness_vdif.H.PET	-0.180522202	0.085701161
## Complexity_vdif.H.PET	0.741136242	0.677243620
## Strength_vdif.H.PET	0.075069542	0.040948365
## SRE_align.H.PET	0.735577424	0.965217790
## LRE_align.H.PET	0.467215522	0.644094085
## RLNU_align.H.PET	0.084311439	0.204504850
## RP_align.H.PET	0.726952994	0.953888107
## LGRE_align.H.PET	0.867279931	0.478217792
## HGRE_align.H.PET	0.671934124	0.925043505
## LGSRE_align.H.PET	0.866226148	0.475883431
## HGSRE_align.H.PET	0.701469307	0.966465725
## LGHRE_align.H.PET	0.872961878	0.490758590
## HGLRE_align.H.PET	0.327722395	0.447588327
## GLNU_norm_align.H.PET	0.482065650	0.534136779
## RLNU_norm_align.H.PET	0.691668564	0.902687316
## GLVAR_align.H.PET	0.591572348	0.809613956
## RLVAR_align.H.PET	0.244994228	0.289962277

## Entropy_align.H.PET	0.638954601	0.884364940
## SZSE.H.PET	0.651624684	0.843797186
## LZSE.H.PET	-0.091015895	-0.057002160
## LGLZE.H.PET	0.865977699	0.478910848
## HGLZE.H.PET	0.605334820	0.864877491
## SZLGE.H.PET	0.863089309	0.472747899
## SZHGE.H.PET	0.587548011	0.825689568
## LZLGE.H.PET	0.029920246	0.008928692
## LZHGE.H.PET	-0.055107559	-0.045422998
## GLNU_area.H.PET	0.097393770	0.234999198
## ZSNU.H.PET	0.052747279	0.180112857
## ZSP.H.PET	0.496630571	0.661432245
## GLNU_norm.H.PET	0.495757670	0.546981840
## ZSNU_norm.H.PET	0.553001866	0.714433448
## GLVAR_area.H.PET	0.571943292	0.788627134
## ZSVAR_H.PET	-0.072700877	-0.053317124
## Entropy_area.H.PET	0.683007938	0.931330930
## Max_cooc.W.PET	0.545446308	0.373884302
## Average_cooc.W.PET	0.342819374	0.513893181
## Variance_cooc.W.PET	0.170057545	0.254341638
## Entropy_cooc.W.PET	0.602835969	0.841741752
## DAVE_cooc.W.PET	0.375996477	0.542689493
## DVAR_cooc.W.PET	0.180472351	0.290082694
## DENT_cooc.W.PET	0.602335344	0.828838707
## SAVE_cooc.W.PET	0.341135641	0.513088868
## SVAR_cooc.W.PET	0.158857447	0.227815441
## SENT_cooc.W.PET	0.700224502	0.885809970
## ASM_cooc.W.PET	0.685928108	0.410756611
## Contrast_cooc.W.PET	0.183114916	0.300517534
## Dissimilarity_cooc.W.PET	0.375996477	0.542689493
## Inv_diff_cooc.W.PET	0.628353637	0.762860934
## Inv_diff_norm_cooc.W.PET	0.752711174	0.986153447
## IDM_cooc.W.PET	0.539938594	0.633351319
## IDM_norm_cooc.W.PET	0.751482693	0.990567261
## Inv_var_cooc.W.PET	0.598625382	0.700899885
## Correlation_cooc.W.PET	0.510817485	0.645898794
## Autocorrelation_cooc.W.PET	0.140313770	0.250778607
## Tendency_cooc.W.PET	0.158857447	0.227815441
## Shade_cooc.W.PET	0.062896392	0.040281756
## Prominence_cooc.W.PET	0.024388282	0.009993551
## IC1_d.W.PET	0.247466077	-0.125700087
## IC2_d.W.PET	0.664585888	0.846289544
## Coarseness_vdif.W.PET	0.727969463	0.487890869
## Contrast_vdif.W.PET	0.406773403	0.493190411
## Busyness_vdif.W.PET	0.029718668	0.223491279
## Complexity_vdif.W.PET	0.116062114	0.162248969
## Strength_vdif.W.PET	0.225341981	0.262597013
## SRE_align.W.PET	0.749192879	0.986198719
## LRE_align.W.PET	0.647170460	0.868095613
## GLNU_align.W.PET	0.097525818	0.231119020
## RLNU_align.W.PET	0.086011883	0.204566554
## RP_align.W.PET	0.745957924	0.981918890
## LGRE_align.W.PET	0.468469998	0.514554566
## HGRE_align.W.PET	0.139820133	0.252840453

## LGSRE_align.W.PET	0.507441167	0.550228206
## HGSRE_align.W.PET	0.136431118	0.248888781
## LGHRE_align.W.PET	0.299758908	0.350861673
## HGLRE_align.W.PET	0.153557450	0.268422344
## GLNU_norm_align.W.PET	0.553300090	0.537449701
## RLNU_norm_align.W.PET	0.732968660	0.961939466
## GLVAR_align.W.PET	0.165571169	0.252888922
## RLVAR_align.W.PET	0.371082566	0.369614569
## Entropy_align.W.PET	0.640292657	0.887006078
## SZSE.W.PET	0.717174627	0.933320723
## LZSE.W.PET	0.108340614	0.137391414
## LGLZE.W.PET	0.502145382	0.537030437
## HGLZE.W.PET	0.142206642	0.256526674
## SZLGE.W.PET	0.601771696	0.608174552
## SZHGE.W.PET	0.131056294	0.245597169
## LZLGE.W.PET	-0.018360622	0.009233943
## LZHGE.W.PET	0.219861227	0.287831390
## GLNU_area.W.PET	0.101380383	0.239519055
## ZSNU.W.PET	0.072196920	0.195193774
## ZSP.W.PET	0.651334982	0.862050777
## GLNU_norm.W.PET	0.573186879	0.558118179
## ZSNU_norm.W.PET	0.656965263	0.858283716
## GLVAR_area.W.PET	0.172036312	0.256514138
## ZSVAR.W.PET	0.048003514	0.046899294
## Entropy_area.W.PET	0.671823747	0.924633785
## Min_hist.ADC	0.218083395	0.375696042
## Max_hist.ADC	0.659943979	0.843308549
## Mean_hist.ADC	0.620609466	0.860685195
## Variance_hist.ADC	0.299078758	0.432415158
## Standard_Deviation_hist.ADC	0.496596343	0.709921255
## Skewness_hist.ADC	0.249441187	0.215606687
## Kurtosis_hist.ADC	0.433751381	0.219147373
## Energy_hist.ADC	0.860590519	0.480837575
## Entropy_hist.ADC	0.688685295	0.925446164
## AUC_hist.ADC	0.767262095	0.961137616
## Volume.ADC	0.060094408	0.275200535
## X3D_surface.ADC	0.336573741	0.352335131
## ratio_3ds_vol.ADC	0.532698153	0.714600716
## ratio_3ds_vol_norm.ADC	0.669721726	0.921222745
## irregularity.ADC	0.716367775	0.974028397
## Compactness_v1.ADC	0.930953508	0.710434478
##	GLVAR_align.L.ADC	RLVAR_align.L.ADC
## Failure	0.229711656	-0.078455396
## Entropy_cooc.W.ADC	-0.098625526	0.126404326
## GLNU_align.H.PET	-0.174437572	0.131674656
## Min_hist.PET	0.255975242	0.307599540
## Max_hist.PET	0.214596900	0.396790593
## Mean_hist.PET	0.243081884	0.332245636
## Variance_hist.PET	0.104611534	0.198323933
## Standard_Deviation_hist.PET	0.227020140	0.399487739
## Skewness_hist.PET	0.292195405	0.420526350
## Kurtosis_hist.PET	0.045756345	0.213433025
## Energy_hist.PET	0.426438837	0.559022633
## Entropy_hist.PET	0.480222408	0.602322581

## AUC_hist.PET	0.586693273	0.708715025
## H_suv.PET	0.250914662	0.466346967
## Volume.PET	0.058017078	0.289797228
## X3D_surface.PET	0.064356537	0.265886315
## ratio_3ds_vol.PET	0.476302114	0.443307541
## ratio_3ds_vol_norm.PET	0.364432689	0.592128585
## irregularity.PET	0.622925863	0.622590716
## tumor_length.PET	0.274840978	0.559340390
## Compactness_v1.PET	0.421234399	0.649065428
## Compactness_v2.PET	0.034136054	0.070114870
## Spherical_disproportion.PET	0.364432689	0.592128585
## Sphericity.PET	0.020562329	0.010219429
## Asphericity.PET	0.352133727	0.581141797
## Center_of_mass.PET	0.213505192	0.369361824
## Max_3D_diam.PET	0.146023618	0.277979771
## Major_axis_length.PET	0.232458336	0.332999988
## Minor_axis_length.PET	0.219170786	0.560643481
## Least_axis_length.PET	0.146008544	0.461803179
## Elongation.PET	0.433669241	0.655817293
## Flatness.PET	0.360351543	0.594178683
## Max_cooc.L.PET	0.418359897	0.605512010
## Average_cooc.L.PET	0.590907046	0.469804157
## Variance_cooc.L.PET	0.556570225	0.311536751
## Entropy_cooc.L.PET	0.557300536	0.657855884
## DAVE_cooc.L.PET	0.556979461	0.421480619
## DVAR_cooc.L.PET	0.469678077	0.433755859
## DENT_cooc.L.PET	0.602946963	0.622023662
## SAVE_cooc.L.PET	0.590676122	0.469268379
## SVAR_cooc.L.PET	0.569762453	0.315231018
## SENT_cooc.L.PET	0.611729761	0.660286566
## ASM_cooc.L.PET	0.394155000	0.600205119
## Contrast_cooc.L.PET	0.460627084	0.263576161
## Dissimilarity_cooc.L.PET	0.556979461	0.421480619
## Inv_diff_cooc.L.PET	0.445247606	0.714548247
## Inv_diff_norm_cooc.L.PET	0.568570462	0.698184157
## IDM_cooc.L.PET	0.395650536	0.700300856
## IDM_norm_cooc.L.PET	0.578044450	0.692342837
## Inv_var_cooc.L.PET	0.396495249	0.713357220
## Correlation_cooc.L.PET	0.372415742	0.498296398
## Autocorrelation_cooc.L.PET	0.536263257	0.309371852
## Tendency_cooc.L.PET	0.569762453	0.315231018
## Shade_cooc.L.PET	0.266887269	0.138937535
## Prominence_cooc.L.PET	0.492740925	0.175476515
## IC1_.L.PET	-0.411505147	0.074581471
## IC2_.L.PET	0.650376610	0.546915173
## Coarseness_vdif_.L.PET	0.497541857	0.495030080
## Contrast_vdif_.L.PET	0.267409249	0.059337364
## Busyness_vdif_.L.PET	0.033972682	0.340623526
## Complexity_vdif_.L.PET	0.500379382	0.441798602
## Strength_vdif_.L.PET	0.372009320	0.077680943
## SRE_align.L.PET	0.594855120	0.682538284
## LRE_align.L.PET	0.561896684	0.688548099
## GLNU_align.L.PET	0.007762222	0.298945771
## RLNU_align.L.PET	0.007226864	0.240462161

## RP_align.L.PET	0.596076056	0.680792992
## LGRE_align.L.PET	0.399861033	0.581658098
## HGRE_align.L.PET	0.526773510	0.327437314
## LGSRE_align.L.PET	0.404581433	0.587232492
## HGSRE_align.L.PET	0.528024050	0.325752778
## LGHRE_align.L.PET	0.378473916	0.557293018
## HGLRE_align.L.PET	0.519550888	0.333282122
## GLNU_norm_align.L.PET	0.494254079	0.691310418
## RLNU_norm_align.L.PET	0.600178591	0.675190007
## GLVAR_align.L.PET	0.557771834	0.345136272
## RLVAR_align.L.PET	0.385862599	0.711283478
## Entropy_align.L.PET	0.568860649	0.658217379
## SZSE.L.PET	0.601827473	0.674140327
## LZSE.L.PET	0.315155366	0.479212048
## LGLZE.L.PET	0.404113456	0.595743587
## HGLZE.L.PET	0.529471375	0.333903012
## SZLGE.L.PET	0.420960279	0.611228101
## SZHGE.L.PET	0.535945216	0.337367983
## LZLGE.L.PET	0.283839391	0.464236271
## LZHGE.L.PET	0.387031978	0.254829305
## GLNU_area.L.PET	0.014528540	0.294965711
## ZSNU.L.PET	0.016028808	0.233256121
## ZSP.L.PET	0.609912346	0.666237588
## GLNU_norm.L.PET	0.493938240	0.693565175
## ZSNU_norm.L.PET	0.615116049	0.653051193
## GLVAR_area.L.PET	0.561158153	0.354954936
## ZSVAR.L.PET	0.137899384	0.454909416
## Entropy_area.L.PET	0.557337030	0.668430835
## Max_cooc.H.PET	0.359982058	0.209613792
## Average_cooc.H.PET	0.618273891	0.630147650
## Variance_cooc.H.PET	0.436241998	0.601137303
## Entropy_cooc.H.PET	0.460537084	0.556829227
## DAVE_cooc.H.PET	0.482873072	0.594949965
## DVAR_cooc.H.PET	0.499231013	0.576477610
## DENT_cooc.H.PET	0.377809773	0.525599841
## SAVE_cooc.H.PET	0.619947485	0.640428395
## SVAR_cooc.H.PET	0.454657543	0.590402241
## SENT_cooc.H.PET	0.400073426	0.604625627
## ASM_cooc.H.PET	0.371944658	0.239847195
## Contrast_cooc.H.PET	0.436034875	0.525311191
## Dissimilarity_cooc.H.PET	0.482873072	0.594949965
## Inv_diff_cooc.H.PET	0.513506492	0.457461143
## Inv_diff_norm_cooc.H.PET	0.595531282	0.683915302
## IDM_cooc.H.PET	0.467228489	0.383920745
## IDM_norm_cooc.H.PET	0.591030545	0.685350018
## Inv_var_cooc_.H.PET	0.420062333	0.670320817
## Correlation_cooc.H.PET	0.352797936	0.507149488
## Autocorrelation_cooc.H.PET	0.622811438	0.578539059
## Tendency_cooc.H.PET	0.397314054	0.588291146
## Shade_cooc.H.PET	-0.248253244	-0.264370263
## Prominence_cooc.H.PET	0.238578395	0.456020352
## IC1_d.H.PET	-0.027420968	0.126866365
## IC2_d.H.PET	0.446682291	0.557391185
## Coarseness_vdif.H.PET	0.404825075	0.579648517

## Contrast_vdif.H.PET	0.392279735	0.116902131
## Busyness_vdif.H.PET	-0.077024915	0.059676485
## Complexity_vdif.H.PET	0.470368259	0.539193861
## Strength_vdif.H.PET	0.126091607	-0.029011903
## SRE_align.H.PET	0.548431529	0.679220776
## LRE_align.H.PET	0.469786289	0.397759744
## RLNU_align.H.PET	0.024770245	0.239839241
## RP_align.H.PET	0.541815505	0.669218326
## LGRE_align.H.PET	0.403721370	0.608093382
## HGRE_align.H.PET	0.609609955	0.580976133
## LGSRE_align.H.PET	0.402886712	0.606678769
## HGSRE_align.H.PET	0.599024189	0.620612462
## LGHRE_align.H.PET	0.408184770	0.615429957
## HGLRE_align.H.PET	0.370970138	0.254694166
## GLNU_norm_align.H.PET	0.480598628	0.329525114
## RLNU_norm_align.H.PET	0.497870921	0.640567475
## GLVAR_align.H.PET	0.408087091	0.584910783
## RLVAR_align.H.PET	0.247281986	0.191136206
## Entropy_align.H.PET	0.447473094	0.640460646
## SZSE.H.PET	0.441497571	0.630998121
## LZSE.H.PET	0.010099381	-0.073872983
## LGLZE.H.PET	0.404729516	0.607252382
## HGLZE.H.PET	0.541969572	0.563246100
## SZLGE.H.PET	0.402765779	0.603781447
## SZHGE.H.PET	0.453160312	0.554286583
## LZLGE.H.PET	0.046668596	0.011838298
## LZHGE.H.PET	0.035236232	-0.059990304
## GLNU_area.H.PET	0.009620706	0.286290389
## ZSNU.H.PET	0.045890600	0.190675782
## ZSP.H.PET	0.332864269	0.491358576
## GLNU_norm.H.PET	0.490297289	0.341714344
## ZSNU_norm.H.PET	0.343194619	0.532396816
## GLVAR_area.H.PET	0.389431855	0.565724090
## ZSVAR.H.PET	0.015550615	-0.062022198
## Entropy_area.H.PET	0.489269545	0.677780587
## Max_cooc.W.PET	0.383932719	0.332546959
## Average_cooc.W.PET	0.235810291	0.371119210
## Variance_cooc.W.PET	0.112411003	0.193836228
## Entropy_cooc.W.PET	0.414706880	0.607988223
## DAVE_cooc.W.PET	0.250836713	0.376533048
## DVAR_cooc.W.PET	0.127607334	0.190286150
## DENT_cooc.W.PET	0.416774350	0.593609680
## SAVE_cooc.W.PET	0.235069217	0.369982989
## SVAR_cooc.W.PET	0.100411462	0.190701782
## SENT_cooc.W.PET	0.471880412	0.656540473
## ASM_cooc.W.PET	0.420366228	0.434744068
## Contrast_cooc.W.PET	0.133303430	0.183983765
## Dissimilarity_cooc.W.PET	0.250836713	0.376533048
## Inv_diff_cooc.W.PET	0.545578592	0.511819030
## Inv_diff_norm_cooc.W.PET	0.570833640	0.697184332
## IDM_cooc.W.PET	0.491801957	0.415971251
## IDM_norm_cooc.W.PET	0.578585249	0.692163504
## Inv_var_cooc.W.PET	0.521733286	0.479106106
## Correlation_cooc.W.PET	0.369149922	0.499928570

## Autocorrelation_cooc.W.PET	0.113369801	0.180385901
## Tendency_cooc.W.PET	0.100411462	0.190701782
## Shade_cooc.W.PET	0.016485223	0.083516739
## Prominence_cooc.W.PET	0.009851664	0.045387261
## IC1_d.W.PET	-0.051034908	0.167840618
## IC2_d.W.PET	0.517689187	0.579850569
## Coarseness_vdif.W.PET	0.497358266	0.421654435
## Contrast_vdif.W.PET	0.303263273	0.302262107
## Busyness_vdif.W.PET	0.170638046	0.102906824
## Complexity_vdif.W.PET	0.057121192	0.155175752
## Strength_vdif.W.PET	0.203988641	0.148232950
## SRE_align.W.PET	0.573294894	0.687690723
## LRE_align.W.PET	0.560676034	0.567667031
## GLNU_align.W.PET	-0.009221615	0.273536442
## RLNU_align.W.PET	0.015994706	0.243672777
## RP_align.W.PET	0.568517418	0.684750970
## LGRE_align.W.PET	0.434735823	0.327445129
## HGRE_align.W.PET	0.102384607	0.181176390
## LGSRE_align.W.PET	0.450782688	0.362207468
## HGSRE_align.W.PET	0.101604926	0.176724575
## LGHRE_align.W.PET	0.347668466	0.185923997
## HGLRE_align.W.PET	0.104259483	0.198895016
## GLNU_norm_align.W.PET	0.490366646	0.371566627
## RLNU_norm_align.W.PET	0.545526499	0.676775957
## GLVAR_align.W.PET	0.103245783	0.198201447
## RLVAR_align.W.PET	0.320780242	0.272408466
## Entropy_align.W.PET	0.448483579	0.640283710
## SZSE.W.PET	0.531854276	0.676631812
## LZSE.W.PET	0.154594362	0.054951091
## LGLZE.W.PET	0.434197879	0.364533003
## HGLZE.W.PET	0.104636908	0.182261012
## SZLGE.W.PET	0.456687675	0.463561046
## SZHGE.W.PET	0.106264055	0.168604644
## LZLGE.W.PET	0.103882115	-0.055898769
## LZHGE.W.PET	0.068326204	0.248423331
## GLNU_area.W.PET	0.001359480	0.287363304
## ZSNU.W.PET	0.034100116	0.223087419
## ZSP.W.PET	0.469368411	0.623304440
## GLNU_norm.W.PET	0.503928199	0.386877285
## ZSNU_norm.W.PET	0.456251079	0.623218491
## GLVAR_area.W.PET	0.102893856	0.203750463
## ZSVAR.W.PET	0.093911350	0.014130184
## Entropy_area.W.PET	0.482552187	0.665306811
## Min_hist.ADC	0.590704970	0.052995964
## Max_hist.ADC	0.399970693	0.755555816
## Mean_hist.ADC	0.551906541	0.600924146
## Variance_hist.ADC	0.377021918	0.395670835
## Standard_Deviation_hist.ADC	0.504566869	0.548587750
## Skewness_hist.ADC	0.140774492	0.243296968
## Kurtosis_hist.ADC	-0.253513343	0.509339794
## Energy_hist.ADC	0.451213904	0.572083319
## Entropy_hist.ADC	0.425069230	0.721325293
## AUC_hist.ADC	0.541414981	0.733312937
## Volume.ADC	0.036665487	0.290384756

## X3D_surface.ADC	-0.066437320	0.638440061	
## ratio_3ds_vol.ADC	0.783821272	0.201033506	
## ratio_3ds_vol_norm.ADC	0.489239809	0.679269401	
## irregularity.ADC	0.694765602	0.569868810	
## Compactness_v1.ADC	0.544322472	0.678232779	
##	Entropy_align.L.ADC	SZSE.L.ADC	LZSE.L.ADC
## Failure	0.004339297	0.016739915	-0.069823938
## Entropy_cooc.W.ADC	0.040371652	0.005360804	0.104826086
## GLNU_align.H.PET	-0.048421149	-0.058983361	0.049701221
## Min_hist.PET	0.535759620	0.529403967	0.410486334
## Max_hist.PET	0.547072976	0.532928273	0.500055878
## Mean_hist.PET	0.533552891	0.526878995	0.436791798
## Variance_hist.PET	0.265043302	0.259232480	0.251553222
## Standard_Deviation_hist.PET	0.534640613	0.528682417	0.483334249
## Skewness_hist.PET	0.536049888	0.521337658	0.439170264
## Kurtosis_hist.PET	0.160502961	0.127477744	0.194716375
## Energy_hist.PET	0.421116399	0.469201048	0.241009262
## Entropy_hist.PET	0.880334305	0.857491620	0.726178344
## AUC_hist.PET	0.987281081	0.989728505	0.783780448
## H_suv.PET	0.551066735	0.554716295	0.497340725
## Volume.PET	0.339292036	0.296380840	0.488949116
## X3D_surface.PET	0.229508071	0.209427490	0.270396394
## ratio_3ds_vol.PET	0.557055046	0.587271837	0.342855910
## ratio_3ds_vol_norm.PET	0.563131029	0.578312919	0.468357411
## irregularity.PET	0.965384616	0.970012422	0.712456086
## tumor_length.PET	0.600198858	0.582513108	0.572768253
## Compactness_v1.PET	0.529283951	0.566535139	0.382226683
## Compactness_v2.PET	0.239741024	0.218457803	0.258110530
## Spherical_disproportion.PET	0.563131029	0.578312919	0.468357411
## Sphericity.PET	0.244718848	0.215923976	0.272410527
## Asphericity.PET	0.541023511	0.556502525	0.451283670
## Center_of_mass.PET	0.379524978	0.355693446	0.406588748
## Max_3D_diam.PET	0.472469390	0.438206677	0.514761426
## Major_axis_length.PET	0.518559932	0.488167978	0.525598515
## Minor_axis_length.PET	0.655081296	0.630488577	0.675925746
## Least_axis_length.PET	0.556839221	0.530297250	0.614613099
## Elongation.PET	0.838858625	0.853010730	0.644903476
## Flatness.PET	0.778048852	0.789569179	0.623229259
## Max_cooc.L.PET	0.446060055	0.488583606	0.284675863
## Average_cooc.L.PET	0.808789268	0.825240361	0.561864476
## Variance_cooc.L.PET	0.643800187	0.668947960	0.375272517
## Entropy_cooc.L.PET	0.973282022	0.973701386	0.776283515
## DAVE_cooc.L.PET	0.750438545	0.773295479	0.492585422
## DVAR_cooc.L.PET	0.656594957	0.679363341	0.461317385
## DENT_cooc.L.PET	0.963515400	0.971085136	0.728125418
## SAVE_cooc.L.PET	0.808631352	0.825033406	0.561788856
## SVAR_cooc.L.PET	0.655412969	0.675774333	0.391482636
## SENT_cooc.L.PET	0.966001542	0.976722702	0.733982731
## ASM_cooc.L.PET	0.415704067	0.459853851	0.263742003
## Contrast_cooc.L.PET	0.538626717	0.567979052	0.298967442
## Dissimilarity_cooc.L.PET	0.750438545	0.773295479	0.492585422
## Inv_diff_cooc.L.PET	0.844767299	0.838558882	0.724176069
## Inv_diff_norm_cooc.L.PET	0.987451505	0.986019662	0.792821095
## IDM_cooc.L.PET	0.754009701	0.749809607	0.656395735

## IDM_norm_cooc.L.PET	0.991105201	0.990950136	0.789246330
## Inv_var_cooc.L.PET	0.758946579	0.752744541	0.668136839
## Correlation_cooc.L.PET	0.656992339	0.647302178	0.562044387
## Autocorrelation_cooc.L.PET	0.606534073	0.626382538	0.370816402
## Tendency_cooc.L.PET	0.655412969	0.675774333	0.391482636
## Shade_cooc.L.PET	0.324877598	0.328521248	0.183781153
## Prominence_cooc.L.PET	0.465011933	0.485072413	0.218015400
## IC1_.L.PET	-0.370123954	-0.384494153	-0.122362948
## IC2_.L.PET	0.892156416	0.915124073	0.596910462
## Coarseness_vdif_.L.PET	0.460794984	0.509015812	0.233898340
## Contrast_vdif_.L.PET	0.228380125	0.258888736	0.060605262
## Busyness_vdif_.L.PET	0.318450962	0.284386752	0.465876807
## Complexity_vdif_.L.PET	0.705266132	0.730178708	0.467866505
## Strength_vdif_.L.PET	0.299603999	0.321597053	0.086755056
## SRE_align.L.PET	0.992322292	0.994952786	0.776822287
## LRE_align.L.PET	0.984177969	0.983476859	0.790939959
## GLNU_align.L.PET	0.262468962	0.231047825	0.408239702
## RLNU_align.L.PET	0.238822198	0.211286581	0.364790747
## RP_align.L.PET	0.992047665	0.995016624	0.775090753
## LGRE_align.L.PET	0.617002217	0.626881628	0.478222395
## HGRE_align.L.PET	0.624442660	0.647772945	0.388046204
## LGSRE_align.L.PET	0.621361294	0.632155139	0.480228295
## HGSRE_align.L.PET	0.622970321	0.646453811	0.385442227
## LGHRE_align.L.PET	0.596240985	0.602546795	0.467759658
## HGLRE_align.L.PET	0.628449656	0.651136408	0.397653005
## GLNU_norm_align.L.PET	0.662103525	0.686570657	0.482944683
## RLNU_norm_align.L.PET	0.990329277	0.994464320	0.768710827
## GLVAR_align.L.PET	0.669925036	0.694556368	0.408784812
## RLVAR_align.L.PET	0.622412578	0.640725080	0.520226892
## Entropy_align.L.PET	0.977585084	0.979525363	0.775718967
## SZSE.L.PET	0.973020850	0.974145622	0.756101382
## LZSE.L.PET	0.677791065	0.679623384	0.577613930
## LGLZE.L.PET	0.628039976	0.638474789	0.490078827
## HGLZE.L.PET	0.633883396	0.657112838	0.395644367
## SZLGE.L.PET	0.637169117	0.649589572	0.492315139
## SZHGE.L.PET	0.630946676	0.652120752	0.391751303
## LZLGE.L.PET	0.499903665	0.498290349	0.412157312
## LZHGE.L.PET	0.510330607	0.536402963	0.330488364
## GLNU_area.L.PET	0.265368094	0.233386005	0.406834737
## ZSNU.L.PET	0.241858615	0.213270393	0.361487919
## ZSP.L.PET	0.979141158	0.981765670	0.753298362
## GLNU_norm.L.PET	0.662223136	0.687078880	0.482949311
## ZSNU_norm.L.PET	0.979707207	0.984709503	0.744908175
## GLVAR_area.L.PET	0.680253896	0.705231886	0.417810300
## ZSVAR.L.PET	0.432270177	0.428966979	0.442072277
## Entropy_area.L.PET	0.977691168	0.978300940	0.786019866
## Max_cooc.H.PET	0.311292205	0.330203011	0.128264983
## Average_cooc.H.PET	0.971693301	0.972772942	0.735169719
## Variance_cooc.H.PET	0.846919309	0.847305503	0.718579947
## Entropy_cooc.H.PET	0.827484684	0.828922643	0.693585923
## DAVE_cooc.H.PET	0.869681495	0.874009334	0.698148519
## DVAR_cooc.H.PET	0.848267959	0.853091192	0.670631020
## DENT_cooc.H.PET	0.781654509	0.755936881	0.643248274
## SAVE_cooc.H.PET	0.980325109	0.977189641	0.748159783

## SVAR_cooc.H.PET	0.848757675	0.833833227	0.691311255
## SENT_cooc.H.PET	0.675256156	0.691928697	0.531607305
## ASM_cooc.H.PET	0.291118917	0.318674047	0.110411591
## Contrast_cooc.H.PET	0.773921599	0.782908591	0.611401860
## Dissimilarity_cooc.H.PET	0.869681495	0.874009334	0.698148519
## Inv_diff_cooc.H.PET	0.674276259	0.684102177	0.459038210
## Inv_diff_norm_cooc.H.PET	0.989487094	0.991257973	0.774907985
## IDM_cooc.H.PET	0.570988652	0.582303032	0.366928753
## IDM_norm_cooc.H.PET	0.991997096	0.993382115	0.780340341
## Inv_var_cooc.H.PET	0.571045770	0.601377258	0.429794695
## Correlation_cooc.H.PET	0.662291610	0.653529308	0.578074623
## Autocorrelation_cooc.H.PET	0.917040263	0.919094665	0.670919477
## Tendency_cooc.H.PET	0.810612899	0.806311660	0.712227865
## Shade_cooc.H.PET	-0.415247529	-0.416393890	-0.326289916
## Prominence_cooc.H.PET	0.595533958	0.590069891	0.562286954
## IC1_d.H.PET	-0.124066888	-0.106788927	-0.094799408
## IC2_d.H.PET	0.777340532	0.774460516	0.639566009
## Coarseness_vdif.H.PET	0.408467750	0.455786255	0.245541535
## Contrast_vdif.H.PET	0.298471267	0.314040235	0.126969640
## Busyness_vdif.H.PET	0.127975811	0.093757454	0.313590812
## Complexity_vdif.H.PET	0.644822284	0.674243478	0.428214963
## Strength_vdif.H.PET	0.014958607	0.040112712	-0.055207313
## SRE_align.H.PET	0.964685415	0.966053970	0.775257456
## LRE_align.H.PET	0.642772698	0.644743512	0.450429780
## RLNU_align.H.PET	0.239877856	0.211761317	0.360357635
## RP_align.H.PET	0.952866472	0.954650845	0.764727799
## LGRE_align.H.PET	0.433838709	0.477691359	0.278077402
## HGRE_align.H.PET	0.920486991	0.924029574	0.677092792
## LGSRE_align.H.PET	0.431406829	0.475331039	0.275772532
## HGSRE_align.H.PET	0.963092536	0.965072751	0.730459587
## LGHRE_align.H.PET	0.446798227	0.490358705	0.290003690
## HGLRE_align.H.PET	0.442207412	0.448515146	0.276396302
## GLNU_norm_align.H.PET	0.515433447	0.530816764	0.293027177
## RLNU_norm_align.H.PET	0.901498869	0.903661555	0.731301471
## GLVAR_align.H.PET	0.814696816	0.812733592	0.699822018
## RLVAR_align.H.PET	0.286515114	0.291083450	0.170506929
## Entropy_align.H.PET	0.894138498	0.888428838	0.761074236
## SZSE.H.PET	0.850587824	0.846098997	0.707199284
## LZSE.H.PET	-0.047195277	-0.055225290	-0.080993853
## LGLZE.H.PET	0.434851876	0.478457964	0.278463831
## HGLZE.H.PET	0.876315971	0.863968559	0.646505452
## SZLGE.H.PET	0.428635292	0.472254106	0.272238882
## SZHGE.H.PET	0.833450501	0.825489196	0.648207064
## LZLGE.H.PET	0.011227957	0.009950456	-0.033915380
## LZHGE.H.PET	-0.043125620	-0.043343005	-0.074648084
## GLNU_area.H.PET	0.274825181	0.242082178	0.426324821
## ZSNU.H.PET	0.214641321	0.187335185	0.305330225
## ZSP.H.PET	0.668653311	0.663616548	0.562747288
## GLNU_norm.H.PET	0.525736577	0.543833339	0.313926737
## ZSNU_norm.H.PET	0.718327127	0.716467404	0.599045863
## GLVAR_area.H.PET	0.795187271	0.791846724	0.674805410
## ZSVAR.H.PET	-0.045793993	-0.051669303	-0.072998861
## Entropy_area.H.PET	0.940821308	0.934692608	0.794023984
## Max_cooc.W.PET	0.337036095	0.371539891	0.157119439

## Average_cooc.W.PET	0.526238300	0.519712779	0.469394675
## Variance_cooc.W.PET	0.265185255	0.259886843	0.242942263
## Entropy_cooc.W.PET	0.850989883	0.845465779	0.729120201
## DAVE_cooc.W.PET	0.547111828	0.547314821	0.461162749
## DVAR_cooc.W.PET	0.296156069	0.295939087	0.245453009
## DENT_cooc.W.PET	0.835143754	0.831760097	0.703493926
## SAVE_cooc.W.PET	0.525532227	0.518912162	0.468983728
## SVAR_cooc.W.PET	0.241155666	0.233104027	0.234720442
## SENT_cooc.W.PET	0.886842744	0.887685439	0.737281311
## ASM_cooc.W.PET	0.366863397	0.408902029	0.181672651
## Contrast_cooc.W.PET	0.303914407	0.306240893	0.242456786
## Dissimilarity_cooc.W.PET	0.547111828	0.547314821	0.461162749
## Inv_diff_cooc.W.PET	0.752284090	0.761008586	0.531980306
## Inv_diff_norm_cooc.W.PET	0.987746130	0.986665960	0.791443259
## IDM_cooc.W.PET	0.620504759	0.631161164	0.411681452
## IDM_norm_cooc.W.PET	0.991202549	0.991203042	0.788888327
## Inv_var_cooc.W.PET	0.689506236	0.698597874	0.480203159
## Correlation_cooc.W.PET	0.656485728	0.646158526	0.563804367
## Autocorrelation_cooc.W.PET	0.265472085	0.256807225	0.253873587
## Tendency_cooc.W.PET	0.241155666	0.233104027	0.234720442
## Shade_cooc.W.PET	0.047959464	0.043793660	0.067093267
## Prominence_cooc.W.PET	0.017747186	0.013671099	0.036043247
## IC1_d.W.PET	-0.144983285	-0.125703786	-0.093546155
## IC2_d.W.PET	0.841447929	0.846550706	0.652125006
## Coarseness_vdif.W.PET	0.433313264	0.482418730	0.195146160
## Contrast_vdif.W.PET	0.475514349	0.495310732	0.316029835
## Busyness_vdif.W.PET	0.244044649	0.231783658	0.209069345
## Complexity_vdif.W.PET	0.174121510	0.166547832	0.191263426
## Strength_vdif.W.PET	0.258924812	0.252122369	0.162590082
## SRE_align.W.PET	0.985518240	0.987002438	0.784140138
## LRE_align.W.PET	0.864644496	0.868428567	0.645562111
## GLNU_align.W.PET	0.267082164	0.236918567	0.402190605
## RLNU_align.W.PET	0.239567118	0.211835768	0.364439936
## RP_align.W.PET	0.981115816	0.982699959	0.781525362
## LGRE_align.W.PET	0.497092594	0.509851222	0.292025019
## HGRE_align.W.PET	0.266322119	0.259140205	0.257445339
## LGSRE_align.W.PET	0.531967864	0.545146004	0.324112687
## HGSRE_align.W.PET	0.262154946	0.255103863	0.252457275
## LGHRE_align.W.PET	0.338181550	0.348161933	0.158193723
## HGLRE_align.W.PET	0.282549702	0.275032604	0.277466153
## GLNU_norm_align.W.PET	0.512277357	0.533873173	0.287436652
## RLNU_norm_align.W.PET	0.961191796	0.962766718	0.773029864
## GLVAR_align.W.PET	0.264831625	0.258835851	0.252405602
## RLVAR_align.W.PET	0.357902798	0.369788639	0.214653399
## Entropy_align.W.PET	0.896148972	0.890976483	0.762044621
## SZSE.W.PET	0.937585416	0.935154360	0.759590614
## LZSE.W.PET	0.127131381	0.137603618	0.054313404
## LGLZE.W.PET	0.519345918	0.532322374	0.326233882
## HGLZE.W.PET	0.269878839	0.262570035	0.259133098
## SZLGE.W.PET	0.590714290	0.603584173	0.402609581
## SZHGE.W.PET	0.259080327	0.251453367	0.242910899
## LZLGE.W.PET	0.006672066	0.011098218	-0.073271195
## LZHGE.W.PET	0.288815055	0.292525588	0.329673092
## GLNU_area.W.PET	0.278421372	0.246131009	0.422034535

## ZSNU.W.PET	0.230900674	0.202628674	0.340074656
## ZSP.W.PET	0.867753847	0.864039089	0.709814002
## GLNU_norm.W.PET	0.532089265	0.554243265	0.304512107
## ZSNU_norm.W.PET	0.861089326	0.859734161	0.707054934
## GLVAR_area.W.PET	0.268104349	0.262418751	0.256113771
## ZSVAR.W.PET	0.040234654	0.047682676	-0.001243467
## Entropy_area.W.PET	0.933183000	0.928284323	0.786772690
## Min_hist.ADC	0.349498446	0.367907197	0.141169509
## Max_hist.ADC	0.877435550	0.848837685	0.816139821
## Mean_hist.ADC	0.869789181	0.859222216	0.684664147
## Variance_hist.ADC	0.496323424	0.437449543	0.354444877
## Standard_Deviation_hist.ADC	0.758973701	0.714241200	0.566450136
## Skewness_hist.ADC	0.199918419	0.216924963	0.330366790
## Kurtosis_hist.ADC	0.186819853	0.219851414	0.542158670
## Energy_hist.ADC	0.427259040	0.478670374	0.252658038
## Entropy_hist.ADC	0.950881001	0.929849022	0.798093654
## AUC_hist.ADC	0.962572397	0.964187391	0.826791957
## Volume.ADC	0.326015622	0.282811128	0.485269150
## X3D_surface.ADC	0.418300343	0.368071738	0.660551765
## ratio_3ds_vol.ADC	0.651013299	0.703013038	0.283133822
## ratio_3ds_vol_norm.ADC	0.935126755	0.921891258	0.821708436
## irregularity.ADC	0.953138292	0.972196830	0.688005530
## Compactness_v1.ADC	0.668293343	0.710131989	0.440074555
##	LGLZE.L.ADC	HGLZE.L.ADC	SZLGE.L.ADC
## Failure	0.0658068245	-0.056775786	0.0729493291
## Entropy_cooc.W.ADC	-0.0067300984	-0.032327849	-0.0177617351
## GLNU_align.H.PET	0.0712921742	-0.112617248	0.0621749074
## Min_hist.PET	0.0980195364	0.385289827	0.0976684542
## Max_hist.PET	0.1144226516	0.353569913	0.1123797938
## Mean_hist.PET	0.0948001113	0.352808464	0.0941844600
## Variance_hist.PET	0.0290625412	0.109710059	0.0288198449
## Standard_Deviation_hist.PET	0.1330431414	0.345111553	0.1324041130
## Skewness_hist.PET	0.2998835494	0.463229990	0.2983340884
## Kurtosis_hist.PET	0.1339511713	0.109214908	0.1334503179
## Energy_hist.PET	0.9540162994	0.320862192	0.9615457501
## Entropy_hist.PET	0.3131657894	0.602137450	0.3051253034
## AUC_hist.PET	0.5111147442	0.706110079	0.5087737275
## H_suv.PET	0.2151403188	0.376238078	0.2183408697
## Volume.PET	-0.1203829457	0.062474511	-0.1310910433
## X3D_surface.PET	0.1396104444	0.118852546	0.1306546730
## ratio_3ds_vol.PET	0.6239244607	0.516336794	0.6318570809
## ratio_3ds_vol_norm.PET	0.6336259060	0.405711880	0.6342714655
## irregularity.PET	0.4798496762	0.734177517	0.4789662743
## tumor_length.PET	0.3536535336	0.367513149	0.3444012569
## Compactness_v1.PET	0.8940969811	0.330782549	0.8986719558
## Compactness_v2.PET	-0.2424547485	0.099818342	-0.2475716776
## Spherical_disproportion.PET	0.6336259060	0.405711880	0.6342714655
## Sphericity.PET	-0.3827699873	0.108135289	-0.3886724497
## Asphericity.PET	0.6311899375	0.389669368	0.6319292967
## Center_of_mass.PET	0.2008304634	0.223149738	0.1928102635
## Max_3D_diam.PET	-0.1243938845	0.227684989	-0.1333836102
## Major_axis_length.PET	0.0162280496	0.242538409	0.0072807846
## Minor_axis_length.PET	0.1655424643	0.379978365	0.1563977412
## Least_axis_length.PET	0.0466752175	0.287071116	0.0370876791

## Elongation.PET	0.4860198220	0.666967607	0.4857462885
## Flatness.PET	0.3817541152	0.576162626	0.3803434358
## Max_cooc.L.PET	0.9666689199	0.307978186	0.9732229409
## Average_cooc.L.PET	0.3767440143	0.565149110	0.3790336957
## Variance_cooc.L.PET	0.3346249435	0.529763620	0.3391793007
## Entropy_cooc.L.PET	0.3921831945	0.680315612	0.3894391371
## DAVE_cooc.L.PET	0.3643780205	0.619727585	0.3690192554
## DVAR_cooc.L.PET	0.3747533833	0.586552169	0.3823700342
## DENT_cooc.L.PET	0.4268146738	0.719046160	0.4268405209
## SAVE_cooc.L.PET	0.3757071936	0.565048359	0.3779897716
## SVAR_cooc.L.PET	0.3298196289	0.497699491	0.3326309490
## SENT_cooc.L.PET	0.5118003933	0.709690314	0.5115786221
## ASM_cooc.L.PET	0.9689123747	0.286300488	0.9753703386
## Contrast_cooc.L.PET	0.2969402742	0.509337006	0.3036481707
## Dissimilarity_cooc.L.PET	0.3643780205	0.619727585	0.3690192554
## Inv_diff_cooc.L.PET	0.5497942591	0.573695412	0.5448321171
## Inv_diff_norm_cooc.L.PET	0.4713201977	0.702322431	0.4682445641
## IDM_cooc.L.PET	0.5989972518	0.507525999	0.5944006863
## IDM_norm_cooc.L.PET	0.4692518391	0.708238388	0.4665766564
## Inv_var_cooc.L.PET	0.5971370448	0.508004158	0.5921704525
## Correlation_cooc.L.PET	0.3569219721	0.374183343	0.3478638485
## Autocorrelation_cooc.L.PET	0.3197088760	0.400060054	0.3239963927
## Tendency_cooc.L.PET	0.3298196289	0.497699491	0.3326309490
## Shade_cooc.L.PET	0.1320777148	0.307857712	0.1312014346
## Prominence_cooc.L.PET	0.2628285010	0.395627290	0.2671224151
## IC1_.L.PET	0.0016392680	-0.396025963	0.0001079436
## IC2_.L.PET	0.5501778265	0.701585208	0.5504588942
## Coarseness_vdif_.L.PET	0.9055954148	0.361441766	0.9140192600
## Contrast_vdif_.L.PET	0.2054888757	0.333856978	0.2119157327
## Busyness_vdif_.L.PET	-0.0226315500	0.153113973	-0.0313724364
## Complexity_vdif_.L.PET	0.4114379424	0.639358297	0.4171665989
## Strength_vdif_.L.PET	0.3027602452	0.364343248	0.3099127222
## SRE_align.L.PET	0.4751322888	0.718084954	0.4732897785
## LRE_align.L.PET	0.4576773297	0.709157142	0.4546040041
## GLNU_align.L.PET	-0.0072314446	0.116111006	-0.0167178480
## RLNU_align.L.PET	-0.0545714093	0.089659485	-0.0646751593
## RP_align.L.PET	0.4751404345	0.719134698	0.4733973814
## LGRE_align.L.PET	0.6471623686	0.512615945	0.6479628946
## HGRE_align.L.PET	0.3285969699	0.424488424	0.3332351338
## LGSRE_align.L.PET	0.6570395023	0.515254292	0.6580027081
## HGSRE_align.L.PET	0.3297855842	0.424757700	0.3345133680
## LGHRE_align.L.PET	0.6062541445	0.498528595	0.6064158810
## HGLRE_align.L.PET	0.3225453169	0.422452424	0.3267738116
## GLNU_norm_align.L.PET	0.8816607575	0.493207188	0.8854216294
## RLNU_norm_align.L.PET	0.4761263909	0.721260031	0.4746951508
## GLVAR_align.L.PET	0.3411000391	0.524152444	0.3452259586
## RLVAR_align.L.PET	0.8145321845	0.404341110	0.8136121153
## Entropy_align.L.PET	0.4090661648	0.684626166	0.4063779167
## SZSE.L.PET	0.4812322583	0.687696592	0.4795229304
## LZSE.L.PET	0.2826477264	0.531579452	0.2794862493
## LGLZE.L.PET	0.6590800478	0.521916002	0.6599889611
## HGLZE.L.PET	0.3298140716	0.435091573	0.3344740344
## SZLGE.L.PET	0.6897604443	0.521233722	0.6910427508
## SZHGE.L.PET	0.3367867287	0.426834389	0.3413653495

## LZLGE.L.PET	0.4729470414	0.428245498	0.4710656215
## LZHGE.L.PET	0.2363235973	0.372526758	0.2398787305
## GLNU_area.L.PET	-0.0121345530	0.113465481	-0.0218143944
## ZSNU.L.PET	-0.0639184040	0.085941221	-0.0739278005
## ZSP.L.PET	0.4785393781	0.700153109	0.4771862284
## GLNU_norm.L.PET	0.8855833481	0.491867823	0.8892488919
## ZSNU_norm.L.PET	0.4788832805	0.710686060	0.4779702361
## GLVAR_area.L.PET	0.3486204109	0.530866930	0.3527577184
## ZSVAR.L.PET	0.3349085386	0.303369213	0.3302344503
## Entropy_area.L.PET	0.4062010783	0.682824971	0.4031504638
## Max_cooc.H.PET	0.4512951329	0.195056495	0.4500576407
## Average_cooc.H.PET	0.4574273694	0.706189966	0.4549344486
## Variance_cooc.H.PET	0.3153304144	0.599217348	0.3152470907
## Entropy_cooc.H.PET	0.2621980522	0.615325730	0.2631630006
## DAVE_cooc.H.PET	0.3369141006	0.671899688	0.3395085927
## DVAR_cooc.H.PET	0.3542009906	0.616680704	0.3578244997
## DENT_cooc.H.PET	0.2218764480	0.573242948	0.2133741261
## SAVE_cooc.H.PET	0.4421418756	0.721500494	0.4382971292
## SVAR_cooc.H.PET	0.3502597808	0.571114530	0.3439553294
## SENT_cooc.H.PET	0.5664107987	0.539404757	0.5693374490
## ASM_cooc.H.PET	0.5381732764	0.146741568	0.5386538096
## Contrast_cooc.H.PET	0.2994351044	0.601877435	0.3041796016
## Dissimilarity_cooc.H.PET	0.3369141006	0.671899688	0.3395085927
## Inv_diff_cooc.H.PET	0.5152336817	0.436149485	0.5110809901
## Inv_diff_norm_cooc.H.PET	0.4880909252	0.706678152	0.4852531862
## IDM_cooc.H.PET	0.4898382527	0.360720105	0.4859776233
## IDM_norm_cooc.H.PET	0.4777760820	0.713305957	0.4751795967
## Inv_var_cooc.H.PET	0.8588367305	0.403387825	0.8635122104
## Correlation_cooc.H.PET	0.3515656786	0.380396418	0.3425997781
## Autocorrelation_cooc.H.PET	0.4648330265	0.658061428	0.4619546539
## Tendency_cooc.H.PET	0.2955917349	0.544195374	0.2929069656
## Shade_cooc.H.PET	-0.1619420387	-0.324603077	-0.1637451814
## Prominence_cooc.H.PET	0.1723029769	0.379902488	0.1697589830
## IC1_d.H.PET	0.2982379390	-0.047256387	0.3105815180
## IC2_d.H.PET	0.3987932684	0.517714840	0.3916532649
## Coarseness_vdif.H.PET	0.9647773245	0.290513854	0.9719506287
## Contrast_vdif.H.PET	0.3124186231	0.171109348	0.3165410914
## Busyness_vdif.H.PET	-0.3892084654	0.041744988	-0.3935644610
## Complexity_vdif.H.PET	0.6411644154	0.562835973	0.6482334470
## Strength_vdif.H.PET	0.1268987466	0.016486913	0.1306749764
## SRE_align.H.PET	0.4361441334	0.715266220	0.4355295325
## LRE_align.H.PET	0.3783469764	0.416570118	0.3707543982
## RLNU_align.H.PET	-0.0440212830	0.077497159	-0.0536656068
## RP_align.H.PET	0.4285271210	0.709475746	0.4283540277
## LGRE_align.H.PET	0.9636649154	0.283661637	0.9701311011
## HGRE_align.H.PET	0.4603223056	0.654403627	0.4574862792
## LGSRE_align.H.PET	0.9636853899	0.282294824	0.9701895333
## HGSRE_align.H.PET	0.4426987148	0.715718024	0.4412591213
## LGHRE_align.H.PET	0.9644154671	0.291049376	0.9705608360
## HGLRE_align.H.PET	0.3027101329	0.258334219	0.2969256056
## GLNU_norm_align.H.PET	0.4936798901	0.349599558	0.4926920012
## RLNU_norm_align.H.PET	0.3916765603	0.684459150	0.3924259425
## GLVAR_align.H.PET	0.2919421868	0.569389127	0.2914210329
## RLVAR_align.H.PET	0.2672185662	0.152934431	0.2596535653

## Entropy_align.H.PET	0.3211774410	0.613538779	0.3176104622
## SZSE.H.PET	0.3580282221	0.630837078	0.3577164460
## LZSE.H.PET	-0.0246738740	-0.049482838	-0.0337944777
## LGLZE.H.PET	0.9619329685	0.282738017	0.9683812462
## HGLZE.H.PET	0.3907301864	0.654021273	0.3845558081
## SZLGE.H.PET	0.9625818779	0.278550678	0.9690793291
## SZHGE.H.PET	0.3145582486	0.665634706	0.3137695252
## LZLGE.H.PET	0.1124546242	-0.018993159	0.1035075735
## LZHGE.H.PET	0.0179016839	-0.057564663	0.0109123717
## GLNU_area.H.PET	-0.0681676092	0.127218975	-0.0770785563
## ZSNU.H.PET	-0.0495707396	0.039822354	-0.0585090501
## ZSP.H.PET	0.2319271239	0.509682713	0.2342313994
## GLNU_norm.H.PET	0.4973360710	0.352093141	0.4973144432
## ZSNU_norm.H.PET	0.2794858869	0.547364130	0.2806584591
## GLVAR_area.H.PET	0.2800944108	0.544548606	0.2792206669
## ZSVAR_H.PET	0.0009914463	-0.055414635	-0.0076985802
## Entropy_area.H.PET	0.3692969172	0.645460344	0.3650419697
## Max_cooc.W.PET	0.6540997996	0.207201190	0.6564795833
## Average_cooc.W.PET	0.1094461980	0.308569815	0.1086775156
## Variance_cooc.W.PET	0.0366921788	0.125072820	0.0369610228
## Entropy_cooc.W.PET	0.2787119809	0.608250168	0.2769458416
## DAVE_cooc.W.PET	0.1286806137	0.396291898	0.1306084853
## DVAR_cooc.W.PET	0.0248997086	0.181489721	0.0272441220
## DENT_cooc.W.PET	0.2847845246	0.622539044	0.2846201761
## SAVE_cooc.W.PET	0.1074814489	0.308079480	0.1066991745
## SVAR_cooc.W.PET	0.0400687336	0.094851909	0.0394260280
## SENT_cooc.W.PET	0.4040151453	0.652500884	0.4031518605
## ASM_cooc.W.PET	0.8184308853	0.214386199	0.8224761350
## Contrast_cooc.W.PET	0.0233527532	0.192688331	0.0259760862
## Dissimilarity_cooc.W.PET	0.1286806137	0.396291898	0.1306084853
## Inv_diff_cooc.W.PET	0.5263594913	0.509701294	0.5228318540
## Inv_diff_norm_cooc.W.PET	0.4735010570	0.703178163	0.4704690043
## IDM_cooc.W.PET	0.5001007307	0.401784633	0.4965169683
## IDM_norm_cooc.W.PET	0.4700384410	0.709374800	0.4673974209
## Inv_var_cooc.W.PET	0.5284198427	0.466321822	0.5250583877
## Correlation_cooc.W.PET	0.3540188085	0.372890133	0.3449622993
## Autocorrelation_cooc.W.PET	0.0027771937	0.071567932	0.0018950730
## Tendency_cooc.W.PET	0.0400687336	0.094851909	0.0394260280
## Shade_cooc.W.PET	0.0381388496	0.004766951	0.0386686354
## Prominence_cooc.W.PET	0.0118319348	-0.038646324	0.0122121358
## IC1_d.W.PET	0.3664323771	-0.102399266	0.3770185924
## IC2_d.W.PET	0.4519795437	0.607106904	0.4473040403
## Coarseness_vdif.W.PET	0.8377085811	0.362994992	0.8464617682
## Contrast_vdif.W.PET	0.2444927233	0.394976367	0.2508192686
## Busyness_vdif.W.PET	-0.0233588871	0.089872947	-0.0327227440
## Complexity_vdif.W.PET	0.0226898839	0.044929074	0.0223968977
## Strength_vdif.W.PET	0.1684593798	0.268490544	0.1736774897
## SRE_align.W.PET	0.4574013832	0.721990765	0.4559837878
## LRE_align.W.PET	0.4562361918	0.589901700	0.4512216910
## GLNU_align.W.PET	-0.0567011733	0.139729242	-0.0668495582
## RLNU_align.W.PET	-0.0450552786	0.084718518	-0.0549066736
## RP_align.W.PET	0.4523114994	0.721529543	0.4511608003
## LGRE_align.W.PET	0.4651457915	0.373064678	0.4631765643
## HGRE_align.W.PET	-0.0058718627	0.076098183	-0.0066384411

## LGSRE_align.W.PET	0.4904862841	0.410537690	0.4890581444
## HGSRE_align.W.PET	-0.0076557071	0.074246627	-0.0082961708
## LGHRE_align.W.PET	0.3444044043	0.218250535	0.3401083586
## HGLRE_align.W.PET	0.0011748216	0.084252910	-0.0001289238
## GLNU_norm_align.W.PET	0.5873459157	0.347977949	0.5876800805
## RLNU_norm_align.W.PET	0.4318498821	0.717439973	0.4313035696
## GLVAR_align.W.PET	0.0267261381	0.109962512	0.0264819248
## RLVAR_align.W.PET	0.4051733860	0.192042683	0.3995689309
## Entropy_align.W.PET	0.3190635160	0.622232082	0.3160120418
## SZSE.W.PET	0.4287694051	0.687714829	0.4279010990
## LZSE.W.PET	0.1487245015	0.062164234	0.1437285461
## LGLZE.W.PET	0.4862314213	0.378902247	0.4844773376
## HGLZE.W.PET	-0.0050296902	0.082817252	-0.0056230139
## SZLGE.W.PET	0.5567366614	0.450913908	0.5562182221
## SZHGE.W.PET	-0.0088347475	0.077256133	-0.0090522983
## LZLGE.W.PET	0.0657970475	-0.028589928	0.0598209053
## LZHGE.W.PET	0.0480218010	0.131625135	0.0456192856
## GLNU_area.W.PET	-0.0612927936	0.138601809	-0.0708862177
## ZSNU.W.PET	-0.0452955587	0.067225082	-0.0547065479
## ZSP.W.PET	0.3586260820	0.649464521	0.3589328377
## GLNU_norm.W.PET	0.6050862218	0.354241738	0.6057538517
## ZSNU_norm.W.PET	0.3615084381	0.663848787	0.3620865255
## GLVAR_area.W.PET	0.0309102040	0.115085390	0.0308006432
## ZSVAR.W.PET	0.1073622692	0.004643408	0.1022682353
## Entropy_area.W.PET	0.3535448782	0.642245491	0.3495216777
## Min_hist.ADC	0.2311686648	0.227644889	0.2412094572
## Max_hist.ADC	0.3704167200	0.572384762	0.3620309990
## Mean_hist.ADC	0.3515701524	0.831258874	0.3536413148
## Variance_hist.ADC	0.3336036482	0.262382307	0.3147168447
## Standard_Deviation_hist.ADC	0.4061392576	0.482155105	0.3912742336
## Skewness_hist.ADC	0.1361172498	-0.369509582	0.1413101872
## Kurtosis_hist.ADC	0.0622125440	0.198539430	0.0660035923
## Energy_hist.ADC	0.9738422703	0.295238872	0.9813725705
## Entropy_hist.ADC	0.3829966349	0.649263177	0.3755858810
## AUC_hist.ADC	0.4667200000	0.611374089	0.4661362912
## Volume.ADC	-0.1295728771	0.058464717	-0.1400535644
## X3D_surface.ADC	0.1087747779	0.085703388	0.0920329644
## ratio_3ds_vol.ADC	0.5207384066	0.594055126	0.5303856708
## ratio_3ds_vol_norm.ADC	0.3723120893	0.672969314	0.3675970175
## irregularity.ADC	0.4889722849	0.703900171	0.4906229500
## Compactness_v1.ADC	0.9237453750	0.465820623	0.9292597632
##	SZHGE.L.ADC	LZLGE.L.ADC	LZHGE.L.ADC
## Failure	-0.045288564	-0.0035122156	-0.099748611
## Entropy_cooc.W.ADC	-0.044969425	0.1000768824	0.028262709
## GLNU_align.H.PET	-0.124280633	0.1454149176	-0.043537593
## Min_hist.PET	0.389814858	0.0764788472	0.324216814
## Max_hist.PET	0.351054745	0.1090674934	0.333031328
## Mean_hist.PET	0.356575954	0.0790135072	0.301025734
## Variance_hist.PET	0.111554654	0.0197236714	0.093839629
## Standard_Deviation_hist.PET	0.344284627	0.1170683478	0.317342833
## Skewness_hist.PET	0.449559168	0.2710981664	0.467246270
## Kurtosis_hist.PET	0.090104682	0.1227290954	0.168814940
## Energy_hist.PET	0.336123331	0.8148640207	0.221583123
## Entropy_hist.PET	0.600624417	0.3338166430	0.546358743

## AUC_hist.PET	0.712377553	0.4726462441	0.617998337
## H_suv.PET	0.377840550	0.1616245628	0.330777877
## Volume.PET	0.052639792	-0.0326516804	0.133156501
## X3D_surface.PET	0.113150783	0.1864824154	0.147448039
## ratio_3ds_vol.PET	0.523344875	0.4965397700	0.430437690
## ratio_3ds_vol_norm.PET	0.403625903	0.5667572329	0.377743964
## irregularity.PET	0.742525048	0.4249825509	0.630807163
## tumor_length.PET	0.360495921	0.3911428287	0.374479155
## Compactness_v1.PET	0.341787335	0.7816599720	0.255624109
## Compactness_v2.PET	0.096187961	-0.1870465506	0.123547218
## Spherical_disproportion.PET	0.403625903	0.5667572329	0.377743964
## Sphericity.PET	0.105474455	-0.3103917096	0.124738162
## Asphericity.PET	0.387349435	0.5642840092	0.364088241
## Center_of_mass.PET	0.216386488	0.2307376823	0.252944351
## Max_3D_diam.PET	0.221742106	-0.0489939912	0.253362747
## Major_axis_length.PET	0.239693145	0.0780707988	0.253083773
## Minor_axis_length.PET	0.370958723	0.2075238605	0.398054480
## Least_axis_length.PET	0.280207110	0.1042345288	0.312776043
## Elongation.PET	0.670631320	0.4245410331	0.580054667
## Flatness.PET	0.583842629	0.3406014705	0.489791853
## Max_cooc.L.PET	0.319020440	0.8332965670	0.228089183
## Average_cooc.L.PET	0.584818138	0.3118727082	0.434505893
## Variance_cooc.L.PET	0.549876868	0.2517203606	0.394255787
## Entropy_cooc.L.PET	0.686603333	0.3616474185	0.595072498
## DAVE_cooc.L.PET	0.638539906	0.2794213794	0.480171977
## DVAR_cooc.L.PET	0.599042162	0.2692798381	0.484015997
## DENT_cooc.L.PET	0.729368321	0.3702854616	0.610182325
## SAVE_cooc.L.PET	0.584711352	0.3109715183	0.434447916
## SVAR_cooc.L.PET	0.515309816	0.2592906130	0.378518785
## SENT_cooc.L.PET	0.719620858	0.4507781087	0.603083823
## ASM_cooc.L.PET	0.297540421	0.8371228533	0.207366440
## Contrast_cooc.L.PET	0.530716046	0.2055748281	0.366152293
## Dissimilarity_cooc.L.PET	0.638539906	0.2794213794	0.480171977
## Inv_diff_cooc.L.PET	0.571114384	0.5302027673	0.535198482
## Inv_diff_norm_cooc.L.PET	0.706678636	0.4370925428	0.622343060
## IDM_cooc.L.PET	0.503830885	0.5753750636	0.479035230
## IDM_norm_cooc.L.PET	0.713511528	0.4316662342	0.623635856
## Inv_var_cooc.L.PET	0.502495668	0.5765201436	0.488464551
## Correlation_cooc.L.PET	0.370926240	0.3841774550	0.365931351
## Autocorrelation_cooc.L.PET	0.422885131	0.2477200027	0.272121883
## Tendency_cooc.L.PET	0.515309816	0.2592906130	0.378518785
## Shade_cooc.L.PET	0.300847311	0.1097843541	0.295962511
## Prominence_cooc.L.PET	0.408248954	0.1883667833	0.300957882
## IC1_.L.PET	-0.416546550	0.0318468828	-0.267848798
## IC2_.L.PET	0.717610646	0.4805955463	0.564712759
## Coarseness_vdif_.L.PET	0.379588140	0.7573856530	0.244964216
## Contrast_vdif_.L.PET	0.358778800	0.1319652198	0.197020169
## Busyness_vdif_.L.PET	0.142693431	0.0376967304	0.215503649
## Complexity_vdif_.L.PET	0.655472634	0.3141445333	0.506902865
## Strength_vdif_.L.PET	0.377039480	0.2073069567	0.268329445
## SRE_align.L.PET	0.725105665	0.4301338804	0.624509169
## LRE_align.L.PET	0.714035245	0.4246239630	0.626303789
## GLNU_align.L.PET	0.104582468	0.0595186675	0.188003240
## RLNU_align.L.PET	0.082469228	0.0194154746	0.141842034

## RP_align.L.PET	0.726312809	0.4292653537	0.624663424
## LGRE_align.L.PET	0.510964774	0.5772196136	0.464935077
## HGRE_align.L.PET	0.448507449	0.2530365876	0.287727271
## LGSRE_align.L.PET	0.513959162	0.5847921082	0.465848173
## HGSRE_align.L.PET	0.448804607	0.2534222845	0.287783297
## LGHRE_align.L.PET	0.495485459	0.5458667216	0.457959087
## HGLRE_align.L.PET	0.446260999	0.2507780714	0.287025596
## GLNU_norm_align.L.PET	0.499289639	0.7701710420	0.416408118
## RLNU_norm_align.L.PET	0.728960529	0.4275728804	0.623992209
## GLVAR_align.L.PET	0.544949499	0.2622460303	0.388378785
## RLVAR_align.L.PET	0.406826528	0.7510973921	0.358580167
## Entropy_align.L.PET	0.692008463	0.3769152150	0.594841254
## SZSE.L.PET	0.694964713	0.4354512018	0.596399092
## LZSE.L.PET	0.532045982	0.2700695940	0.480669594
## LGLZE.L.PET	0.520651646	0.5864125390	0.473858117
## HGLZE.L.PET	0.458761020	0.2537182997	0.298821402
## SZLGE.L.PET	0.521411937	0.6110783348	0.469009477
## SZHGE.L.PET	0.449749408	0.2610216480	0.294723336
## LZLGE.L.PET	0.421264176	0.4440385434	0.407955863
## LZHGE.L.PET	0.393624840	0.1774392869	0.251020165
## GLNU_area.L.PET	0.102534934	0.0560230205	0.182673913
## ZSNU.L.PET	0.079366223	0.0102411203	0.134842859
## ZSP.L.PET	0.708247586	0.4295858336	0.603473460
## GLNU_norm.L.PET	0.498157458	0.7742703112	0.414416088
## ZSNU_norm.L.PET	0.719684124	0.4257136425	0.607552632
## GLVAR_area.L.PET	0.551514405	0.2689108263	0.395377862
## ZSVAR.L.PET	0.296465164	0.3392362431	0.306173252
## Entropy_area.L.PET	0.689019007	0.3775275061	0.598986478
## Max_cooc.H.PET	0.205512695	0.4084405221	0.133716908
## Average_cooc.H.PET	0.714175942	0.4163062676	0.609860739
## Variance_cooc.H.PET	0.604359249	0.2782831397	0.527073968
## Entropy_cooc.H.PET	0.618450229	0.2235843407	0.553918535
## DAVE_cooc.H.PET	0.679515799	0.2753545384	0.575797381
## DVAR_cooc.H.PET	0.626650238	0.2832894569	0.516682142
## DENT_cooc.H.PET	0.567154295	0.2577874112	0.538328906
## SAVE_cooc.H.PET	0.727629311	0.4169768192	0.628204016
## SVAR_cooc.H.PET	0.573015328	0.3529487143	0.507913625
## SENT_cooc.H.PET	0.541948433	0.4884093557	0.469809813
## ASM_cooc.H.PET	0.160811617	0.4760769535	0.074969139
## Contrast_cooc.H.PET	0.611820854	0.2274728857	0.499259823
## Dissimilarity_cooc.H.PET	0.679515799	0.2753545384	0.575797381
## Inv_diff_cooc.H.PET	0.446168569	0.4858135875	0.357858949
## Inv_diff_norm_cooc.H.PET	0.713110570	0.4492161720	0.617479263
## IDM_cooc.H.PET	0.371141559	0.4618898493	0.287402355
## IDM_norm_cooc.H.PET	0.719540828	0.4381554332	0.624172963
## Inv_var_cooc.H.PET	0.408007045	0.7470658463	0.340875267
## Correlation_cooc.H.PET	0.377270630	0.3805929046	0.372592126
## Autocorrelation_cooc.H.PET	0.667052077	0.4248625749	0.563025608
## Tendency_cooc.H.PET	0.546282373	0.2807353947	0.494972008
## Shade_cooc.H.PET	-0.332526864	-0.1423934976	-0.263311274
## Prominence_cooc.H.PET	0.380318545	0.1735348835	0.352212281
## IC1_d.H.PET	-0.046344574	0.1836295811	-0.049473231
## IC2_d.H.PET	0.519080652	0.4068074713	0.470865007
## Coarseness_vdif.H.PET	0.303063794	0.8273809055	0.204910990

## Contrast_vdif.H.PET	0.192469932	0.2396245112	0.079418496
## Busyness_vdif.H.PET	0.034988059	-0.3186521749	0.091499795
## Complexity_vdif.H.PET	0.575208461	0.5228829378	0.444289815
## Strength_vdif.H.PET	0.025537682	0.0824094783	-0.020701945
## SRE_align.H.PET	0.720397315	0.3869150344	0.628776586
## LRE_align.H.PET	0.425287216	0.3914945679	0.346150454
## RLNU_align.H.PET	0.071046856	0.0229449283	0.128811250
## RP_align.H.PET	0.714895172	0.3766159834	0.621793123
## LGRE_align.H.PET	0.295719519	0.8325345779	0.201499276
## HGRE_align.H.PET	0.664087660	0.4208284250	0.554808801
## LGSRE_align.H.PET	0.294351699	0.8322911023	0.200203171
## HGSRE_align.H.PET	0.723612336	0.3948929916	0.615922802
## LGHRE_align.H.PET	0.303115648	0.8355947215	0.208417335
## HGLRE_align.H.PET	0.267377955	0.3080030643	0.200196515
## GLNU_norm_align.H.PET	0.362777738	0.4406573019	0.263603619
## RLNU_norm_align.H.PET	0.688998338	0.3377527073	0.601075515
## GLVAR_align.H.PET	0.573159801	0.2628624103	0.504836590
## RLVAR_align.H.PET	0.157832061	0.2978550367	0.119184129
## Entropy_align.H.PET	0.614634895	0.3084613045	0.555227552
## SZSE.H.PET	0.630250184	0.3200595693	0.570999710
## LZSE.H.PET	-0.048917332	0.0666966883	-0.054981124
## LGLZE.H.PET	0.294890211	0.8311686097	0.200142122
## HGLZE.H.PET	0.656165357	0.3793340431	0.569052553
## SZLGE.H.PET	0.290634740	0.8315550717	0.196435744
## SZHGE.H.PET	0.665644441	0.2824618349	0.592703533
## LZLGE.H.PET	-0.017089091	0.2047026385	-0.031307869
## LZHGE.H.PET	-0.054822818	0.0796273488	-0.062279528
## GLNU_area.H.PET	0.117043938	-0.0005294084	0.192179733
## ZSNU.H.PET	0.035970938	0.0116364691	0.080234522
## ZSP.H.PET	0.507893892	0.1881994978	0.463023920
## GLNU_norm.H.PET	0.366037425	0.4365552625	0.270628760
## ZSNU_norm.H.PET	0.545400745	0.2402507026	0.495309729
## GLVAR_area.H.PET	0.548220159	0.2551864574	0.477016651
## ZSVAR.H.PET	-0.054255102	0.0890514641	-0.057474447
## Entropy_area.H.PET	0.647795494	0.3542420033	0.581149569
## Max_cooc.W.PET	0.220185927	0.5702438201	0.135310529
## Average_cooc.W.PET	0.310694885	0.0992179700	0.272464714
## Variance_cooc.W.PET	0.126683381	0.0220114166	0.107258387
## Entropy_cooc.W.PET	0.608900363	0.2557436209	0.551087045
## DAVE_cooc.W.PET	0.397830761	0.0932853081	0.346089805
## DVAR_cooc.W.PET	0.184410753	-0.0038283182	0.144574164
## DENT_cooc.W.PET	0.623233275	0.2483682168	0.560729466
## SAVE_cooc.W.PET	0.310181385	0.0975218863	0.272127922
## SVAR_cooc.W.PET	0.095538174	0.0319971233	0.087867690
## SENT_cooc.W.PET	0.654560449	0.3625179652	0.582648653
## ASM_cooc.W.PET	0.229236009	0.7103721680	0.130740857
## Contrast_cooc.W.PET	0.196560656	-0.0071554566	0.148206924
## Dissimilarity_cooc.W.PET	0.397830761	0.0932853081	0.346089805
## Inv_diff_cooc.W.PET	0.520307638	0.4913897908	0.423066955
## Inv_diff_norm_cooc.W.PET	0.707773055	0.4386453966	0.622199528
## IDM_cooc.W.PET	0.413026352	0.4692786486	0.322189911
## IDM_norm_cooc.W.PET	0.714755001	0.4321228740	0.624281159
## Inv_var_cooc.W.PET	0.476687742	0.4944585608	0.385631898
## Correlation_cooc.W.PET	0.369160736	0.3816359397	0.366360570

## Autocorrelation_cooc.W.PET	0.075022440	0.0036358861	0.054161311
## Tendency_cooc.W.PET	0.095538174	0.0319971233	0.087867690
## Shade_cooc.W.PET	0.004792760	0.0236516937	0.011817535
## Prominence_cooc.W.PET	-0.035692885	0.0023289502	-0.040505845
## IC1_d.W.PET	-0.100126518	0.2614644626	-0.098662185
## IC2_d.W.PET	0.610805613	0.4345866905	0.533541657
## Coarseness_vdif.W.PET	0.385779220	0.6919939418	0.229053810
## Contrast_vdif.W.PET	0.405448575	0.1654084419	0.296262675
## Busyness_vdif.W.PET	0.095064670	0.0431796971	0.074240650
## Complexity_vdif.W.PET	0.046555843	0.0139625770	0.040720538
## Strength_vdif.W.PET	0.261422646	0.1074007718	0.254391163
## SRE_align.W.PET	0.727790725	0.4116555586	0.632919635
## LRE_align.W.PET	0.598313073	0.4377774079	0.503239426
## GLNU_align.W.PET	0.128963752	0.0246216724	0.198568330
## RLNU_align.W.PET	0.077723932	0.0247833203	0.137715430
## RP_align.W.PET	0.727315194	0.4050043242	0.632250210
## LGRE_align.W.PET	0.382413585	0.4221056852	0.297405603
## HGRE_align.W.PET	0.079604801	-0.0050649989	0.057291005
## LGSRE_align.W.PET	0.419756773	0.4408472629	0.332158037
## HGSRE_align.W.PET	0.077770582	-0.0077043182	0.055281608
## LGHRE_align.W.PET	0.227046135	0.3329832293	0.157900962
## HGLRE_align.W.PET	0.087666360	0.0057450916	0.066165292
## GLNU_norm_align.W.PET	0.361474482	0.5177701982	0.259229297
## RLNU_norm_align.W.PET	0.722400621	0.3827486186	0.631286343
## GLVAR_align.W.PET	0.111702064	0.0176977629	0.094643357
## RLVAR_align.W.PET	0.199590180	0.4071250855	0.144667734
## Entropy_align.W.PET	0.623825942	0.3019158555	0.561390794
## SZSE.W.PET	0.690942645	0.3840172772	0.611961589
## LZSE.W.PET	0.066877190	0.1732355705	0.047391715
## LGLZE.W.PET	0.387223174	0.4384809747	0.311892077
## HGLZE.W.PET	0.085989400	-0.0058022460	0.064632673
## SZLGE.W.PET	0.456448521	0.4940069306	0.389544568
## SZHGE.W.PET	0.080422329	-0.0123567033	0.058877115
## LZLGE.W.PET	-0.023204094	0.1078365796	-0.052511049
## LZHGE.W.PET	0.132779362	0.0567893269	0.132938605
## GLNU_area.W.PET	0.127936527	0.0133509673	0.200678921
## ZSNU.W.PET	0.061614597	0.0196025817	0.114980236
## ZSP.W.PET	0.652107891	0.3129208507	0.575501221
## GLNU_norm.W.PET	0.368549062	0.5311512182	0.263963946
## ZSNU_norm.W.PET	0.665122924	0.3135200354	0.594517493
## GLVAR_area.W.PET	0.116492596	0.0206655047	0.100740304
## ZSVAR.W.PET	0.006983130	0.1400774102	0.006788371
## Entropy_area.W.PET	0.644523338	0.3394154646	0.577774016
## Min_hist.ADC	0.242526768	0.1121230600	0.177734925
## Max_hist.ADC	0.562087093	0.4000676739	0.568241650
## Mean_hist.ADC	0.824794787	0.2870667537	0.787551107
## Variance_hist.ADC	0.265517722	0.4525190657	0.186429893
## Standard_Deviation_hist.ADC	0.487578739	0.4803989578	0.381722065
## Skewness_hist.ADC	-0.353746985	0.0835408143	-0.347070163
## Kurtosis_hist.ADC	0.160085522	0.0370731017	0.417458370
## Energy_hist.ADC	0.310482750	0.8321060787	0.200572963
## Entropy_hist.ADC	0.645344591	0.3927615084	0.601380749
## AUC_hist.ADC	0.618571298	0.4160175254	0.538150474
## Volume.ADC	0.047720335	-0.0430136654	0.134153255

## X3D_surface.ADC	0.059504994	0.2408237731	0.216930955
## ratio_3ds_vol.ADC	0.632189794	0.3813977305	0.368831643
## ratio_3ds_vol_norm.ADC	0.673403579	0.3654173515	0.619105256
## irregularity.ADC	0.723624814	0.4150650350	0.560359061
## Compactness_v1.ADC	0.479992266	0.7933500908	0.357410539
##	GLNU_area.L.ADC	ZSNU.L.ADC	ZSP.L.ADC
## Failure	-0.1617292256	-0.1709267730	0.028901300
## Entropy_cooc.W.ADC	0.2452856524	0.2703199632	-0.009623678
## GLNU_align.H.PET	0.1501342590	0.1743190155	-0.070319466
## Min_hist.PET	0.2780717029	0.2811676402	0.523363271
## Max_hist.PET	0.3306003127	0.3067663801	0.516522579
## Mean_hist.PET	0.3022162397	0.2872596122	0.517492497
## Variance_hist.PET	0.2189941179	0.1687128861	0.249801697
## Standard_Deviation_hist.PET	0.3223554628	0.2838791745	0.513803455
## Skewness_hist.PET	0.1903142268	0.2209099297	0.511122634
## Kurtosis_hist.PET	0.0733810828	0.0947461142	0.114783182
## Energy_hist.PET	0.0611520071	0.0877858147	0.479324441
## Entropy_hist.PET	0.3808436091	0.4201749165	0.840292697
## AUC_hist.PET	0.3514619784	0.3643669161	0.976961256
## H_suv.PET	0.3533166012	0.3061380295	0.540620743
## Volume.PET	0.3231564676	0.3333205488	0.263095625
## X3D_surface.PET	0.2211898456	0.2524286962	0.195386464
## ratio_3ds_vol.PET	0.0460705647	0.0504493841	0.593365493
## ratio_3ds_vol_norm.PET	0.2743982062	0.2560978556	0.569204586
## irregularity.PET	0.2550964762	0.2708275666	0.963623768
## tumor_length.PET	0.3845410333	0.3898306255	0.561778896
## Compactness_v1.PET	0.1780183118	0.1982361373	0.567984504
## Compactness_v2.PET	0.1645817573	0.1443514378	0.206036360
## Spherical_disproportion.PET	0.2743982062	0.2560978556	0.569204586
## Sphericity.PET	0.1582283693	0.1399096696	0.201594955
## Asphericity.PET	0.2683465478	0.2494603176	0.547648612
## Center_of_mass.PET	0.2928885409	0.2943857721	0.336398264
## Max_3D_diam.PET	0.3246142396	0.3121265660	0.413081925
## Major_axis_length.PET	0.3386352810	0.3342541321	0.466015860
## Minor_axis_length.PET	0.4657669937	0.4562456523	0.602000460
## Least_axis_length.PET	0.4369246125	0.4208676794	0.501351833
## Elongation.PET	0.3238547567	0.3343622453	0.845894632
## Flatness.PET	0.3368020125	0.3396985034	0.780751863
## Max_cooc.L.PET	0.0963321190	0.1236981046	0.494920199
## Average_cooc.L.PET	0.1910084210	0.1846794893	0.825924069
## Variance_cooc.L.PET	0.0482703245	0.0500432318	0.679317271
## Entropy_cooc.L.PET	0.3601294029	0.3639873043	0.960417330
## DAVE_cooc.L.PET	0.1151248681	0.1196927040	0.778135910
## DVAR_cooc.L.PET	0.0551542388	0.0480401830	0.681360480
## DENT_cooc.L.PET	0.2864899689	0.2935152543	0.963444917
## SAVE_cooc.L.PET	0.1909638986	0.1845993231	0.825708766
## SVAR_cooc.L.PET	0.0716050933	0.0728259896	0.684600114
## SENT_cooc.L.PET	0.3010538210	0.3097271140	0.968663090
## ASM_cooc.L.PET	0.1022160840	0.1294363736	0.466432934
## Contrast_cooc.L.PET	0.0046860229	0.0070887694	0.579402660
## Dissimilarity_cooc.L.PET	0.1151248681	0.1196927040	0.778135910
## Inv_diff_cooc.L.PET	0.3672216250	0.3809954900	0.820291344
## Inv_diff_norm_cooc.L.PET	0.3564789612	0.3662997587	0.971689306
## IDM_cooc.L.PET	0.3401000217	0.3559121063	0.732466593

## IDM_norm_cooc.L.PET	0.3488070742	0.3584117356	0.977481053
## Inv_var_cooc.L.PET	0.3576161697	0.3737266517	0.734050560
## Correlation_cooc.L.PET	0.3198463437	0.3242140922	0.632314757
## Autocorrelation_cooc.L.PET	0.0850270928	0.0759092575	0.633915559
## Tendency_cooc.L.PET	0.0716050933	0.0728259896	0.684600114
## Shade_cooc.L.PET	0.0761773145	0.0903003289	0.332638498
## Prominence_cooc.L.PET	-0.0095579325	-0.0040922087	0.498982512
## IC1_.L.PET	0.1433729471	0.1482367794	-0.401223969
## IC2_.L.PET	0.1771971502	0.1878845103	0.918462097
## Coarseness_vdif_.L.PET	-0.0015545132	0.0244510098	0.523025143
## Contrast_vdif_.L.PET	-0.1010265856	-0.1000363438	0.273823817
## Busyness_vdif_.L.PET	0.3198406813	0.3238390128	0.253527790
## Complexity_vdif_.L.PET	0.1120652590	0.1208560883	0.734178217
## Strength_vdif_.L.PET	-0.1734726143	-0.1579980030	0.337437634
## SRE_align.L.PET	0.3316356562	0.3413697360	0.983359910
## LRE_align.L.PET	0.3490562684	0.3568144012	0.969221108
## GLNU_align.L.PET	0.2701998584	0.2690670885	0.202784121
## RLNU_align.L.PET	0.2895144984	0.2887482634	0.186251890
## RP_align.L.PET	0.3296497543	0.3395020594	0.983633335
## LGRE_align.L.PET	0.1468115070	0.1791504004	0.620888443
## HGRE_align.L.PET	0.1042623486	0.0940947361	0.655041763
## LGSRE_align.L.PET	0.1487134853	0.1810312255	0.626342033
## HGSRE_align.L.PET	0.1008532101	0.0911001769	0.653927662
## LGHRE_align.L.PET	0.1386463098	0.1708655265	0.595862832
## HGLRE_align.L.PET	0.1182095602	0.1061908795	0.657515083
## GLNU_norm_align.L.PET	0.1747179085	0.2061471286	0.685274770
## RLNU_norm_align.L.PET	0.3227253333	0.3328201651	0.983793276
## GLVAR_align.L.PET	0.0857113711	0.0838075433	0.703076212
## RLVAR_align.L.PET	0.2666440943	0.2818406228	0.631233496
## Entropy_align.L.PET	0.3549162731	0.3573557094	0.966804587
## SZSE.L.PET	0.3262440483	0.3377678683	0.963407567
## LZSE.L.PET	0.2502324452	0.2444439565	0.665659001
## LGLZE.L.PET	0.1508472358	0.1826470653	0.631962095
## HGLZE.L.PET	0.1056102618	0.0952768658	0.664195545
## SZLGE.L.PET	0.1561495941	0.1889144552	0.643692975
## SZHGE.L.PET	0.1033713529	0.0951887232	0.659258333
## LZLGE.L.PET	0.1178402867	0.1470226054	0.489636064
## LZHGE.L.PET	0.1024114639	0.0816104999	0.541095837
## GLNU_area.L.PET	0.2762677331	0.2774019953	0.205479854
## ZSNU.L.PET	0.2928129283	0.2948680342	0.188809109
## ZSP.L.PET	0.3183050986	0.3314472043	0.971969754
## GLNU_norm.L.PET	0.1769672479	0.2085827758	0.685814873
## ZSNU_norm.L.PET	0.3054077405	0.3186922570	0.976035983
## GLVAR_area.L.PET	0.0867624555	0.0841835452	0.713459735
## ZSVAR.L.PET	0.2336485652	0.2130835625	0.410644682
## Entropy_area.L.PET	0.3644815811	0.3655106013	0.964231943
## Max_cooc.H.PET	-0.0580816623	-0.0206025697	0.342185242
## Average_cooc.H.PET	0.2720218276	0.2897427855	0.964354725
## Variance_cooc.H.PET	0.3653803910	0.3495176323	0.830747174
## Entropy_cooc.H.PET	0.3223981931	0.2929609799	0.814893778
## DAVE_cooc.H.PET	0.3073136290	0.3047326355	0.862285855
## DVAR_cooc.H.PET	0.2859632276	0.2799764574	0.843217123
## DENT_cooc.H.PET	0.3507620181	0.3860132273	0.739759710
## SAVE_cooc.H.PET	0.3093851157	0.3294590132	0.967650902

## SVAR_cooc.H.PET	0.4089879085	0.4394017941	0.818537991
## SENT_cooc.H.PET	0.2802534418	0.2779215158	0.684343603
## ASM_cooc.H.PET	-0.0475584098	-0.0135147415	0.332377458
## Contrast_cooc.H.PET	0.2660062600	0.2596539943	0.774554774
## Dissimilarity_cooc.H.PET	0.3073136290	0.3047326355	0.862285855
## Inv_diff_cooc.H.PET	0.1305394965	0.1638499247	0.685350806
## Inv_diff_norm_cooc.H.PET	0.3312234946	0.3426947906	0.979541190
## IDM_cooc.H.PET	0.0786307813	0.1152385090	0.586322199
## IDM_norm_cooc.H.PET	0.3356911654	0.3461131890	0.981177192
## Inv_var_cooc.H.PET	0.2313186975	0.2390718667	0.599057243
## Correlation_cooc.H.PET	0.3220854207	0.3209598092	0.636989159
## Autocorrelation_cooc.H.PET	0.2163303643	0.2394673172	0.914000623
## Tendency_cooc.H.PET	0.3863960890	0.3668092738	0.786799929
## Shade_cooc.H.PET	-0.0725354752	-0.0707317958	-0.411318361
## Prominence_cooc.H.PET	0.3603517717	0.3306784716	0.570842160
## IC1_d.H.PET	-0.0786920446	-0.0722896366	-0.104246993
## IC2_d.H.PET	0.3413911825	0.3378398867	0.760999487
## Coarseness_vdif.H.PET	0.0825305908	0.1083487832	0.464287001
## Contrast_vdif.H.PET	-0.1062458932	-0.0981223391	0.325033753
## Busyness_vdif.H.PET	0.2207433062	0.1943387863	0.064680584
## Complexity_vdif.H.PET	0.1397284710	0.1578635396	0.678031052
## Strength_vdif.H.PET	-0.0971186113	-0.0972442111	0.051267266
## SRE_align.H.PET	0.3489320824	0.3507658002	0.952167102
## LRE_align.H.PET	0.1358751939	0.1682945916	0.644185418
## RLNU_align.H.PET	0.2892128074	0.2865142497	0.187294323
## RP_align.H.PET	0.3448875888	0.3451895852	0.941092791
## LGRE_align.H.PET	0.1213797455	0.1444540926	0.484081797
## HGRE_align.H.PET	0.2381640139	0.2613987230	0.918676985
## LGSRE_align.H.PET	0.1200053429	0.1431455907	0.481802923
## HGSRE_align.H.PET	0.2763449359	0.2933073488	0.956418859
## LGHRE_align.H.PET	0.1284966544	0.1516785339	0.496371401
## HGLRE_align.H.PET	0.0687529383	0.0960432159	0.453052553
## GLNU_norm_align.H.PET	-0.0002452917	0.0411535396	0.539547962
## RLNU_norm_align.H.PET	0.3407409706	0.3358326530	0.889936070
## GLVAR_align.H.PET	0.3735698006	0.3565060928	0.795458114
## RLVAR_align.H.PET	0.0514409449	0.0831228125	0.295228484
## Entropy_align.H.PET	0.4154597284	0.4028849607	0.869938518
## SZSE.H.PET	0.3657571997	0.3607754645	0.830562793
## LZSE.H.PET	-0.0200226408	-0.0007167027	-0.049265182
## LGLZE.H.PET	0.1219706175	0.1446152327	0.484868508
## HGLZE.H.PET	0.2632004596	0.3064464491	0.856730971
## SZLGE.H.PET	0.1180634515	0.1414052596	0.478916810
## SZHGE.H.PET	0.2936635724	0.3074660225	0.815297647
## LZLGE.H.PET	0.0055958532	0.0260501057	0.015375700
## LZHGE.H.PET	-0.0402958804	-0.0278840295	-0.036906206
## GLNU_area.H.PET	0.2949370011	0.2961169401	0.212452228
## ZSNU.H.PET	0.2677912837	0.2685421009	0.167568783
## ZSP.H.PET	0.3057188941	0.2925273874	0.650511373
## GLNU_norm.H.PET	-0.0061947202	0.0262300271	0.551288504
## ZSNU_norm.H.PET	0.3337770271	0.3227392042	0.703373422
## GLVAR_area.H.PET	0.3760312489	0.3639001449	0.775749106
## ZSVAR.H.PET	-0.0276362543	-0.0115471829	-0.046438077
## Entropy_area.H.PET	0.4104466577	0.4070772527	0.915891804
## Max_cooc.W.PET	-0.0214705593	0.0123093184	0.383615285

## Average_cooc.W.PET	0.3128123436	0.2714199153	0.505820831
## Variance_cooc.W.PET	0.2027036967	0.1563363058	0.251611685
## Entropy_cooc.W.PET	0.3945201491	0.3784364924	0.827242913
## DAVE_cooc.W.PET	0.2705402955	0.2406179470	0.537084559
## DVAR_cooc.W.PET	0.1850798808	0.1437965101	0.290754507
## DENT_cooc.W.PET	0.3633307659	0.3491593774	0.815481008
## SAVE_cooc.W.PET	0.3126748031	0.2712182479	0.505002782
## SVAR_cooc.W.PET	0.2075963913	0.1596221772	0.223372821
## SENT_cooc.W.PET	0.3768622478	0.3676417085	0.871762049
## ASM_cooc.W.PET	0.0128042702	0.0454543644	0.421443005
## Contrast_cooc.W.PET	0.1716627256	0.1336098475	0.302508387
## Dissimilarity_cooc.W.PET	0.2705402955	0.2406179470	0.537084559
## Inv_diff_cooc.W.PET	0.1623535245	0.1965281491	0.759711150
## Inv_diff_norm_cooc.W.PET	0.3536701567	0.3635905821	0.972564295
## IDM_cooc.W.PET	0.0971651617	0.1346656748	0.633725273
## IDM_norm_cooc.W.PET	0.3476939083	0.3572581032	0.977801847
## Inv_var_cooc.W.PET	0.1346618641	0.1706859558	0.698332169
## Correlation_cooc.W.PET	0.3241966960	0.3283713872	0.630847531
## Autocorrelation_cooc.W.PET	0.2293772663	0.1744180182	0.246818127
## Tendency_cooc.W.PET	0.2075963913	0.1596221772	0.223372821
## Shade_cooc.W.PET	0.0845740224	0.0514020349	0.038441800
## Prominence_cooc.W.PET	0.0607165011	0.0250199089	0.009230402
## IC1_d.W.PET	-0.0498438067	-0.0360224447	-0.124746501
## IC2_d.W.PET	0.3133004835	0.3109530579	0.837735161
## Coarseness_vdif.W.PET	-0.0394557103	-0.0164741575	0.499141716
## Contrast_vdif.W.PET	0.1176263328	0.1027673412	0.498588670
## Busyness_vdif.W.PET	0.0845307780	0.1095573423	0.227548898
## Complexity_vdif.W.PET	0.1702227902	0.1154182824	0.156889414
## Strength_vdif.W.PET	-0.0443793920	-0.0472491317	0.252469562
## SRE_align.W.PET	0.3450623807	0.3506928234	0.973829736
## LRE_align.W.PET	0.2504769164	0.2729793037	0.862495405
## GLNU_align.W.PET	0.2712105047	0.2786801229	0.209528948
## RLNU_align.W.PET	0.2881195821	0.2859587236	0.186912886
## RP_align.W.PET	0.3452330948	0.3498494008	0.969475523
## LGRE_align.W.PET	0.0036408047	0.0493217654	0.516668159
## HGRE_align.W.PET	0.2373160549	0.1810318507	0.249031735
## LGSRE_align.W.PET	0.0162377748	0.0614413119	0.550932927
## HGSRE_align.W.PET	0.2327471909	0.1767969503	0.245271071
## LGHRE_align.W.PET	-0.0355664401	0.0088125319	0.358180850
## HGLRE_align.W.PET	0.2550049118	0.1973305399	0.263784661
## GLNU_norm_align.W.PET	0.0033069722	0.0449042157	0.543536217
## RLNU_norm_align.W.PET	0.3481896745	0.3490210030	0.948896301
## GLVAR_align.W.PET	0.2197804520	0.1691936781	0.249252907
## RLVAR_align.W.PET	0.0515547704	0.0840930194	0.375070330
## Entropy_align.W.PET	0.4103712425	0.3976193855	0.872573469
## SZSE.W.PET	0.3586390944	0.3604183525	0.920642879
## LZSE.W.PET	-0.0429459100	-0.0316007375	0.143211459
## LGLZE.W.PET	0.0194969362	0.0624600303	0.536698060
## HGLZE.W.PET	0.2314191173	0.1758779440	0.252528815
## SZLGE.W.PET	0.0681443377	0.1094004588	0.604358959
## SZHGE.W.PET	0.2142629077	0.1613288482	0.242497613
## LZLGE.W.PET	-0.0741949206	-0.0522593307	0.022014710
## LZHGE.W.PET	0.2632209865	0.1896932638	0.276101100
## GLNU_area.W.PET	0.2898055523	0.2950736745	0.217228445

## ZSNU.W.PET	0.2796553628	0.2805843606	0.179930160
## ZSP.W.PET	0.3545806426	0.3523502375	0.849671422
## GLNU_norm.W.PET	0.0057397398	0.0453219989	0.563511401
## ZSNU_norm.W.PET	0.3503226875	0.3453295355	0.845218092
## GLVAR_area.W.PET	0.2173959549	0.1664082779	0.252627777
## ZSVAR.W.PET	-0.0592392653	-0.0512737141	0.052556789
## Entropy_area.W.PET	0.4087552990	0.4012670413	0.909985074
## Min_hist.ADC	-0.2707946510	-0.2999518145	0.383961540
## Max_hist.ADC	0.5313283439	0.5325600474	0.818720650
## Mean_hist.ADC	0.2211565870	0.2272750088	0.846996392
## Variance_hist.ADC	0.3815829157	0.4913525575	0.428549694
## Standard_Deviation_hist.ADC	0.4212940030	0.5046558617	0.702815033
## Skewness_hist.ADC	0.1860672489	0.1020838474	0.195241962
## Kurtosis_hist.ADC	0.3001395343	0.1323359508	0.171325332
## Energy_hist.ADC	0.0690026453	0.0919528093	0.488564517
## Entropy_hist.ADC	0.4767894278	0.5025151515	0.909190396
## AUC_hist.ADC	0.4027004604	0.3907548556	0.944092183
## Volume.ADC	0.3290843734	0.3392723636	0.248404978
## X3D_surface.ADC	0.8207153830	0.8167137474	0.317351831
## ratio_3ds_vol.ADC	-0.1944039710	-0.1830184455	0.729548176
## ratio_3ds_vol_norm.ADC	0.3903480697	0.4079160559	0.898602486
## irregularity.ADC	0.1690959520	0.1714190294	0.970134199
## Compactness_v1.ADC	0.1670616091	0.1841218408	0.716220933
##	GLNU_norm.L.ADC	ZSNU_norm.L.ADC	GLVAR_area.L.ADC
## Failure	0.005924277	0.03665388	0.228766373
## Entropy_cooc.W.ADC	0.003774600	-0.02278913	-0.095708078
## GLNU_align.H.PET	0.047173133	-0.08057433	-0.175111020
## Min_hist.PET	0.309781075	0.51892327	0.258998397
## Max_hist.PET	0.345876945	0.50684172	0.219265905
## Mean_hist.PET	0.315809342	0.51264717	0.246445187
## Variance_hist.PET	0.159521780	0.24921330	0.105731177
## Standard_Deviation_hist.PET	0.365621551	0.50633782	0.231239220
## Skewness_hist.PET	0.443242106	0.49348338	0.299784597
## Kurtosis_hist.PET	0.162736806	0.09400741	0.049555431
## Energy_hist.PET	0.858690840	0.48837656	0.431271403
## Entropy_hist.PET	0.565786513	0.82541790	0.489557819
## AUC_hist.PET	0.777017823	0.96735082	0.598049377
## H_suv.PET	0.451700879	0.53337646	0.255002397
## Volume.PET	0.049643693	0.25363076	0.062129303
## X3D_surface.PET	0.184073104	0.18913529	0.065402415
## ratio_3ds_vol.PET	0.678428392	0.59431479	0.487126076
## ratio_3ds_vol_norm.PET	0.720825531	0.56027291	0.375912903
## irregularity.PET	0.725843147	0.95717130	0.633841759
## tumor_length.PET	0.511773497	0.54681310	0.282180136
## Compactness_v1.PET	0.872180995	0.57167361	0.426390203
## Compactness_v2.PET	-0.071483898	0.19936907	0.035121495
## Spherical_disproportion.PET	0.720825531	0.56027291	0.375912903
## Sphericity.PET	-0.177216636	0.19455599	0.020817220
## Asphericity.PET	0.710497815	0.53889335	0.363442888
## Center_of_mass.PET	0.288151951	0.32992381	0.217534725
## Max_3D_diam.PET	0.103378165	0.40267888	0.151003608
## Major_axis_length.PET	0.206650166	0.45867956	0.237822386
## Minor_axis_length.PET	0.424354984	0.58321242	0.227344048
## Least_axis_length.PET	0.295603396	0.48743431	0.151208904

## Elongation.PET	0.735859098	0.83172743	0.444306550
## Flatness.PET	0.638099523	0.77060198	0.367130889
## Max_cooc.L.PET	0.883216173	0.49999536	0.424135287
## Average_cooc.L.PET	0.582888547	0.82906291	0.599471602
## Variance_cooc.L.PET	0.476212405	0.68648593	0.562101447
## Entropy_cooc.L.PET	0.694033512	0.95020331	0.568119130
## DAVE_cooc.L.PET	0.563566952	0.78089146	0.564101078
## DVAR_cooc.L.PET	0.566245713	0.68076891	0.475652837
## DENT_cooc.L.PET	0.705275108	0.95697547	0.613655073
## SAVE_cooc.L.PET	0.582056341	0.82884130	0.599238436
## SVAR_cooc.L.PET	0.467698755	0.69088940	0.575735976
## SENT_cooc.L.PET	0.767593512	0.96267793	0.623413175
## ASM_cooc.L.PET	0.877226676	0.47206520	0.399121302
## Contrast_cooc.L.PET	0.425400634	0.58700165	0.464710316
## Dissimilarity_cooc.L.PET	0.563566952	0.78089146	0.564101078
## Inv_diff_cooc.L.PET	0.753268396	0.80604894	0.456352361
## Inv_diff_norm_cooc.L.PET	0.749773840	0.96036040	0.580382020
## IDM_cooc.L.PET	0.752194576	0.71884212	0.405995452
## IDM_norm_cooc.L.PET	0.749090167	0.96678588	0.589799882
## Inv_var_cooc.L.PET	0.754107593	0.71971064	0.406847718
## Correlation_cooc.L.PET	0.507686385	0.62322489	0.382173368
## Autocorrelation_cooc.L.PET	0.439300297	0.64277510	0.542852768
## Tendency_cooc.L.PET	0.467698755	0.69088940	0.575735976
## Shade_cooc.L.PET	0.214929435	0.32877918	0.268594203
## Prominence_cooc.L.PET	0.334179547	0.50627608	0.496979478
## IC1_.L.PET	-0.065237968	-0.41407073	-0.416833610
## IC2_.L.PET	0.733704453	0.91957003	0.660828399
## Coarseness_vdif_.L.PET	0.815852027	0.53429507	0.503895746
## Contrast_vdif_.L.PET	0.218898535	0.28948569	0.267560552
## Busyness_vdif_.L.PET	0.137115384	0.24269681	0.036961092
## Complexity_vdif_.L.PET	0.595675124	0.73574360	0.507077755
## Strength_vdif_.L.PET	0.286509809	0.34750906	0.376467333
## SRE_align.L.PET	0.752185740	0.97400401	0.606351686
## LRE_align.L.PET	0.740351261	0.95794944	0.573871299
## GLNU_align.L.PET	0.120203982	0.19264692	0.010871449
## RLNU_align.L.PET	0.066871288	0.18063285	0.009340593
## RP_align.L.PET	0.752039896	0.97440712	0.607560307
## LGRE_align.L.PET	0.729578687	0.61116570	0.407966586
## HGRE_align.L.PET	0.461595227	0.66381478	0.533559154
## LGSRE_align.L.PET	0.739128237	0.61685022	0.412720840
## HGSRE_align.L.PET	0.461408134	0.66278740	0.534764984
## LGHRE_align.L.PET	0.689134685	0.58526856	0.386430909
## HGLRE_align.L.PET	0.460989311	0.66588199	0.526508346
## GLNU_norm_align.L.PET	0.907694020	0.68214793	0.502576676
## RLNU_norm_align.L.PET	0.751802190	0.97502234	0.611590811
## GLVAR_align.L.PET	0.496191702	0.70971190	0.563638352
## RLVAR_align.L.PET	0.859471320	0.62519676	0.394544322
## Entropy_align.L.PET	0.704020699	0.95758200	0.580061863
## SZSE.L.PET	0.741479768	0.95486072	0.612408436
## LZSE.L.PET	0.511728015	0.65385283	0.326107659
## LGLZE.L.PET	0.744210955	0.62248295	0.412599957
## HGLZE.L.PET	0.468219991	0.67266783	0.536179107
## SZLGE.L.PET	0.768363471	0.63556446	0.429421924
## SZHGE.L.PET	0.468425219	0.66749696	0.542012649

## LZLGE.L.PET	0.553100428	0.47598128	0.291272368
## LZHGE.L.PET	0.372892795	0.54810454	0.395087818
## GLNU_area.L.PET	0.113866829	0.19597692	0.017332073
## ZSNU.L.PET	0.056917668	0.18365533	0.017731577
## ZSP.L.PET	0.741518471	0.96395689	0.620536145
## GLNU_norm.L.PET	0.910659496	0.68290887	0.502137229
## ZSNU_norm.L.PET	0.742324798	0.96829376	0.625977815
## GLVAR_area.L.PET	0.507592199	0.71982222	0.567342327
## ZSVAR.L.PET	0.459173026	0.39606043	0.147085741
## Entropy_area.L.PET	0.705449449	0.95409697	0.568791983
## Max_cooc.H.PET	0.372838028	0.34959464	0.364175106
## Average_cooc.H.PET	0.708350930	0.95628765	0.629737120
## Variance_cooc.H.PET	0.614885041	0.82078261	0.446695767
## Entropy_cooc.H.PET	0.569690755	0.80761106	0.467834692
## DAVE_cooc.H.PET	0.637374646	0.85276587	0.492389655
## DVAR_cooc.H.PET	0.625424460	0.83622432	0.508390356
## DENT_cooc.H.PET	0.477103903	0.71990626	0.387335307
## SAVE_cooc.H.PET	0.699487958	0.95798238	0.631435764
## SVAR_cooc.H.PET	0.590825344	0.80598445	0.465024277
## SENT_cooc.H.PET	0.736545187	0.67692301	0.408732733
## ASM_cooc.H.PET	0.433250844	0.34214458	0.375770778
## Contrast_cooc.H.PET	0.574105236	0.76759055	0.443763096
## Dissimilarity_cooc.H.PET	0.637374646	0.85276587	0.492389655
## Inv_diff_cooc.H.PET	0.583996275	0.68504991	0.522005899
## Inv_diff_norm_cooc.H.PET	0.754212055	0.97014379	0.607202699
## IDM_cooc.H.PET	0.515861972	0.58790259	0.474598666
## IDM_norm_cooc.H.PET	0.751677979	0.97140288	0.602717066
## Inv_var_cooc.H.PET	0.883632197	0.59790941	0.427633406
## Correlation_cooc.H.PET	0.516365018	0.62767711	0.362982718
## Autocorrelation_cooc.H.PET	0.672484637	0.90819582	0.633905613
## Tendency_cooc.H.PET	0.581836434	0.77610409	0.408305285
## Shade_cooc.H.PET	-0.296530980	-0.40970313	-0.255003715
## Prominence_cooc.H.PET	0.416618785	0.56216625	0.246944707
## IC1_d.H.PET	0.214499695	-0.10238732	-0.027515911
## IC2_d.H.PET	0.598021000	0.75371664	0.455975645
## Coarseness_vdif.H.PET	0.869938431	0.47141971	0.409523084
## Contrast_vdif.H.PET	0.256425599	0.33785760	0.400721203
## Busyness_vdif.H.PET	-0.199936903	0.05882553	-0.076676348
## Complexity_vdif.H.PET	0.749757419	0.67686369	0.478979185
## Strength_vdif.H.PET	0.077781816	0.06085051	0.126347065
## SRE_align.H.PET	0.732980190	0.94139260	0.559624722
## LRE_align.H.PET	0.470578159	0.64254076	0.475882964
## RLNU_align.H.PET	0.071158989	0.18256038	0.026804737
## RP_align.H.PET	0.724320625	0.93066830	0.552825712
## LGRE_align.H.PET	0.881668598	0.49031387	0.408236558
## HGRE_align.H.PET	0.672927694	0.91280449	0.620879677
## LGSRE_align.H.PET	0.880659581	0.48806681	0.407376532
## HGSRE_align.H.PET	0.700696538	0.94803799	0.610916953
## LGHRE_align.H.PET	0.887177693	0.50240997	0.412827773
## HGLRE_align.H.PET	0.332520333	0.45430207	0.374675328
## GLNU_norm_align.H.PET	0.490650326	0.54375964	0.487234403
## RLNU_norm_align.H.PET	0.688528723	0.87936127	0.507938385
## GLVAR_align.H.PET	0.585820551	0.78490336	0.418098114
## RLVAR_align.H.PET	0.250558774	0.29510933	0.248858196

## Entropy_align.H.PET	0.632811208	0.85727802	0.457077570
## SZSE.H.PET	0.647915864	0.81741145	0.449479465
## LZSE.H.PET	-0.088391938	-0.04930088	0.005411393
## LGLZE.H.PET	0.880312881	0.49116540	0.409154696
## HGLZE.H.PET	0.606813379	0.84217643	0.552050387
## SZLGE.H.PET	0.877591189	0.48525426	0.407062103
## SZHGE.H.PET	0.585964937	0.80203353	0.459928824
## LZLGE.H.PET	0.034768958	0.01613965	0.043428912
## LZHGE.H.PET	-0.052152190	-0.03342052	0.030812250
## GLNU_area.H.PET	0.083345120	0.20375639	0.012281866
## ZSNU.H.PET	0.041043138	0.16546325	0.046590777
## ZSP.H.PET	0.492646195	0.63890785	0.338421936
## GLNU_norm.H.PET	0.503953748	0.55739623	0.497048505
## ZSNU_norm.H.PET	0.549687043	0.69118109	0.348859688
## GLVAR_area.H.PET	0.566896938	0.76420878	0.398838310
## ZSVAR_H.PET	-0.069862294	-0.04501816	0.011168612
## Entropy_area.H.PET	0.677608079	0.90241862	0.500590553
## Max_cooc.W.PET	0.557065878	0.39333861	0.388484825
## Average_cooc.W.PET	0.334717039	0.50030718	0.239744032
## Variance_cooc.W.PET	0.163739915	0.25104649	0.113234109
## Entropy_cooc.W.PET	0.596299907	0.81460999	0.423679096
## DAVE_cooc.W.PET	0.370979142	0.53010749	0.253897467
## DVAR_cooc.W.PET	0.175976780	0.28995653	0.126989436
## DENT_cooc.W.PET	0.596853406	0.80328007	0.425162697
## SAVE_cooc.W.PET	0.333000567	0.49947524	0.238994172
## SVAR_cooc.W.PET	0.151749350	0.22294184	0.101882700
## SENT_cooc.W.PET	0.695985952	0.86058250	0.481916783
## ASM_cooc.W.PET	0.699961360	0.43134166	0.425120227
## Contrast_cooc.W.PET	0.179412213	0.30163446	0.132350070
## Dissimilarity_cooc.W.PET	0.370979142	0.53010749	0.253897467
## Inv_diff_cooc.W.PET	0.633141735	0.75760734	0.555676338
## Inv_diff_norm_cooc.W.PET	0.750791361	0.96143393	0.582638023
## IDM_cooc.W.PET	0.546254492	0.63448477	0.500338572
## IDM_norm_cooc.W.PET	0.749692488	0.96718896	0.590335792
## Inv_var_cooc.W.PET	0.603963628	0.69748622	0.531360370
## Correlation_cooc.W.PET	0.506812863	0.62130782	0.378938760
## Autocorrelation_cooc.W.PET	0.131335913	0.24732187	0.114579620
## Tendency_cooc.W.PET	0.151749350	0.22294184	0.101882700
## Shade_cooc.W.PET	0.060046454	0.04034626	0.017782835
## Prominence_cooc.W.PET	0.020835022	0.01317794	0.011124515
## IC1_d.W.PET	0.253918158	-0.12233089	-0.050562538
## IC2_d.W.PET	0.663743618	0.83160368	0.526577233
## Coarseness_vdif.W.PET	0.742581219	0.51414711	0.503380524
## Contrast_vdif.W.PET	0.409790592	0.49869740	0.304159528
## Busyness_vdif.W.PET	0.027688025	0.22935878	0.168384954
## Complexity_vdif.W.PET	0.109530703	0.15726096	0.058348592
## Strength_vdif.W.PET	0.228533286	0.24654238	0.205113086
## SRE_align.W.PET	0.747158567	0.96348440	0.584724223
## LRE_align.W.PET	0.648840586	0.85624061	0.570607183
## GLNU_align.W.PET	0.086089052	0.19843853	-0.006268129
## RLNU_align.W.PET	0.072937828	0.18169056	0.018133472
## RP_align.W.PET	0.743806107	0.95915015	0.579891010
## LGRE_align.W.PET	0.476969782	0.51748857	0.441041461
## HGRE_align.W.PET	0.130703402	0.24920270	0.103637443

## LGSRE_align.W.PET	0.515948575	0.55101265	0.457640966
## HGSRE_align.W.PET	0.127423974	0.24554661	0.102755273
## LGHRE_align.W.PET	0.307689285	0.36111227	0.351029009
## HGLRE_align.W.PET	0.144014729	0.26351879	0.105921110
## GLNU_norm_align.W.PET	0.563374862	0.54865463	0.497127422
## RLNU_norm_align.W.PET	0.730257503	0.93813889	0.556536455
## GLVAR_align.W.PET	0.158208339	0.24856038	0.104420462
## RLVAR_align.W.PET	0.378454933	0.37654260	0.324085901
## Entropy_align.W.PET	0.634161828	0.86010732	0.458203873
## SZSE.W.PET	0.714277419	0.90953321	0.541998165
## LZSE.W.PET	0.111844739	0.14820651	0.154894645
## LGLZE.W.PET	0.510278891	0.53670135	0.441158758
## HGLZE.W.PET	0.133233752	0.25248353	0.105936233
## SZLGE.W.PET	0.609314359	0.60178217	0.465150832
## SZHGE.W.PET	0.122728524	0.24281021	0.107075311
## LZLGE.W.PET	-0.014222825	0.02715088	0.100899578
## LZHGE.W.PET	0.208819375	0.27568653	0.073085827
## GLNU_area.W.PET	0.088671120	0.20694977	0.004165017
## ZSNU.W.PET	0.059748358	0.17619165	0.035484298
## ZSP.W.PET	0.648017991	0.83807840	0.478017020
## GLNU_norm.W.PET	0.583510672	0.56930567	0.510928404
## ZSNU_norm.W.PET	0.653399238	0.83365660	0.465261541
## GLVAR_area.W.PET	0.164633742	0.25170887	0.104288056
## ZSVAR.W.PET	0.050924719	0.05751014	0.092754890
## Entropy_area.W.PET	0.666230675	0.89717794	0.493175530
## Min_hist.ADC	0.219986848	0.40484301	0.597361986
## Max_hist.ADC	0.650605605	0.79611161	0.410443514
## Mean_hist.ADC	0.617012052	0.83597582	0.564572494
## Variance_hist.ADC	0.303198871	0.41382081	0.372984086
## Standard_Deviation_hist.ADC	0.498583505	0.68755711	0.505993152
## Skewness_hist.ADC	0.237842784	0.19931223	0.145788480
## Kurtosis_hist.ADC	0.401481196	0.15366181	-0.231973022
## Energy_hist.ADC	0.875986679	0.49802728	0.456607734
## Entropy_hist.ADC	0.685572421	0.88831696	0.434656488
## AUC_hist.ADC	0.761819007	0.93437893	0.552865826
## Volume.ADC	0.042096610	0.23875498	0.040759649
## X3D_surface.ADC	0.316867173	0.29070532	-0.062629709
## ratio_3ds_vol.ADC	0.543871849	0.75328539	0.792613179
## ratio_3ds_vol_norm.ADC	0.661975390	0.88640364	0.500504198
## irregularity.ADC	0.717827910	0.97204702	0.705996147
## Compactness_v1.ADC	0.944418527	0.71899825	0.551863181
##	ZSVAR.L.ADC	Entropy_area.L.ADC	Max_cooc.H.ADC
## Failure	-0.091582411	-0.008889040	0.044689791
## Entropy_cooc.W.ADC	0.108914571	0.056621765	-0.008722520
## GLNU_align.H.PET	0.097229074	-0.037134317	0.058688674
## Min_hist.PET	0.195373148	0.537233717	0.115100911
## Max_hist.PET	0.315442646	0.557671151	0.135598812
## Mean_hist.PET	0.236750620	0.537234035	0.112454733
## Variance_hist.PET	0.174778067	0.269513268	0.045693870
## Standard_Deviation_hist.PET	0.300906305	0.542445037	0.155101873
## Skewness_hist.PET	0.213241173	0.545998342	0.308295121
## Kurtosis_hist.PET	0.136609339	0.178150126	0.161583252
## Energy_hist.PET	0.069376004	0.407176172	0.978761061
## Entropy_hist.PET	0.398040830	0.888280363	0.289356394

## AUC_hist.PET	0.402503834	0.988683272	0.501858113
## H_suv.PET	0.309236240	0.556309504	0.252624931
## Volume.PET	0.484091093	0.361931123	-0.146201052
## X3D_surface.PET	0.240340138	0.239009557	0.112427417
## ratio_3ds_vol.PET	0.078377156	0.548148358	0.632594538
## ratio_3ds_vol_norm.PET	0.253874886	0.568099932	0.643779255
## irregularity.PET	0.311664524	0.961891979	0.463040783
## tumor_length.PET	0.382891130	0.613540728	0.336015406
## Compactness_v1.PET	0.192614521	0.521617586	0.919494399
## Compactness_v2.PET	0.189200486	0.247790541	-0.251096795
## Spherical_disproportion.PET	0.253874886	0.568099932	0.643779255
## Sphericity.PET	0.206520100	0.253488100	-0.400248511
## Asphericity.PET	0.245608368	0.546027019	0.641948807
## Center_of_mass.PET	0.328815217	0.390483940	0.176783015
## Max_3D_diam.PET	0.401937986	0.489305874	-0.149161232
## Major_axis_length.PET	0.394279352	0.531892989	-0.013013629
## Minor_axis_length.PET	0.487912829	0.674319499	0.156555620
## Least_axis_length.PET	0.481403185	0.576059450	0.035246834
## Elongation.PET	0.288670417	0.839029614	0.495734857
## Flatness.PET	0.313290295	0.778981200	0.393900384
## Max_cooc.L.PET	0.110666261	0.436071111	0.993171664
## Average_cooc.L.PET	0.223884873	0.795900403	0.354492682
## Variance_cooc.L.PET	0.070418694	0.624303940	0.311276135
## Entropy_cooc.L.PET	0.396725629	0.974530888	0.380271532
## DAVE_cooc.L.PET	0.157708101	0.735281633	0.355330073
## DVAR_cooc.L.PET	0.177738511	0.646096610	0.392751572
## DENT_cooc.L.PET	0.336342844	0.959501277	0.415760005
## SAVE_cooc.L.PET	0.223857772	0.795750338	0.353410620
## SVAR_cooc.L.PET	0.085972368	0.637597153	0.296497067
## SENT_cooc.L.PET	0.346060498	0.962882575	0.499310485
## ASM_cooc.L.PET	0.104360926	0.405458271	0.998009508
## Contrast_cooc.L.PET	0.036213602	0.519087684	0.292563321
## Dissimilarity_cooc.L.PET	0.157708101	0.735281633	0.355330073
## Inv_diff_cooc.L.PET	0.421541830	0.855361777	0.548858340
## Inv_diff_norm_cooc.L.PET	0.411628791	0.991011305	0.460653461
## IDM_cooc.L.PET	0.393975328	0.765118138	0.603564967
## IDM_norm_cooc.L.PET	0.403928149	0.993605525	0.458190281
## Inv_var_cooc.L.PET	0.406408242	0.771014110	0.601628688
## Correlation_cooc.L.PET	0.328389200	0.665484153	0.318726475
## Autocorrelation_cooc.L.PET	0.104127192	0.588273248	0.291682299
## Tendency_cooc.L.PET	0.085972368	0.637597153	0.296497067
## Shade_cooc.L.PET	0.006563425	0.321283562	0.110345160
## Prominence_cooc.L.PET	-0.028619735	0.445924165	0.230904565
## IC1_.L.PET	0.096662629	-0.350052424	0.066575229
## IC2_.L.PET	0.205017531	0.879690891	0.518454410
## Coarseness_vdif_.L.PET	0.027676105	0.443021393	0.913031773
## Contrast_vdif_.L.PET	-0.065877729	0.209708650	0.206495491
## Busyness_vdif_.L.PET	0.460386652	0.339800795	-0.035964193
## Complexity_vdif_.L.PET	0.151880795	0.692620097	0.420118152
## Strength_vdif_.L.PET	-0.091005601	0.284745651	0.290629441
## SRE_align.L.PET	0.385691721	0.992692691	0.464111241
## LRE_align.L.PET	0.410438549	0.987697074	0.446707155
## GLNU_align.L.PET	0.415352680	0.283371329	-0.025291529
## RLNU_align.L.PET	0.376127456	0.255673169	-0.081947473

## RP_align.L.PET	0.383354296	0.992212409	0.464156050
## LGRE_align.L.PET	0.230912176	0.620887389	0.669809226
## HGRE_align.L.PET	0.114464350	0.606235568	0.303486535
## LGSRE_align.L.PET	0.230939214	0.624940147	0.680191087
## HGSRE_align.L.PET	0.111742487	0.604592495	0.304701963
## LGHRE_align.L.PET	0.229834981	0.601340963	0.627012932
## HGLRE_align.L.PET	0.125378441	0.611035308	0.297357480
## GLNU_norm_align.L.PET	0.224378750	0.658657016	0.903272632
## RLNU_norm_align.L.PET	0.375319717	0.989778455	0.465149552
## GLVAR_align.L.PET	0.100663469	0.651224397	0.319058930
## RLVAR_align.L.PET	0.309398732	0.626300610	0.830270868
## Entropy_align.L.PET	0.394467460	0.978221614	0.394349275
## SZSE.L.PET	0.373427544	0.972313585	0.469592066
## LZSE.L.PET	0.316860756	0.686184813	0.279374616
## LGLZE.L.PET	0.240279526	0.632045294	0.682158093
## HGLZE.L.PET	0.117535329	0.615868167	0.305707349
## SZLGE.L.PET	0.239986533	0.639910310	0.713166974
## SZHGE.L.PET	0.114906468	0.612857738	0.313075792
## LZLGE.L.PET	0.212587946	0.508877598	0.489021337
## LZHGE.L.PET	0.106775466	0.497276463	0.215948970
## GLNU_area.L.PET	0.413218875	0.285600639	-0.032351506
## ZSNU.L.PET	0.370845736	0.257877137	-0.092084648
## ZSP.L.PET	0.364635977	0.977500834	0.466368282
## GLNU_norm.L.PET	0.224856387	0.658626408	0.906914392
## ZSNU_norm.L.PET	0.350344797	0.977265941	0.466527519
## GLVAR_area.L.PET	0.105247886	0.661812597	0.326810469
## ZSVAR.L.PET	0.303901119	0.448375971	0.345527481
## Entropy_area.L.PET	0.408211115	0.979748751	0.392599394
## Max_cooc.H.PET	-0.029533802	0.297624607	0.400524250
## Average_cooc.H.PET	0.340559250	0.969575994	0.433313797
## Variance_cooc.H.PET	0.409289308	0.852438998	0.324253677
## Entropy_cooc.H.PET	0.386443733	0.831087563	0.276382814
## DAVE_cooc.H.PET	0.358677742	0.870404204	0.354285327
## DVAR_cooc.H.PET	0.342472434	0.846758757	0.363841714
## DENT_cooc.H.PET	0.331867890	0.791627694	0.215202951
## SAVE_cooc.H.PET	0.353317491	0.979190060	0.416187023
## SVAR_cooc.H.PET	0.372562021	0.855148383	0.336152102
## SENT_cooc.H.PET	0.264844062	0.676845522	0.597497454
## ASM_cooc.H.PET	-0.033102675	0.275356744	0.492225620
## Contrast_cooc.H.PET	0.306976691	0.771843118	0.321203138
## Dissimilarity_cooc.H.PET	0.358677742	0.870404204	0.354285327
## Inv_diff_cooc.H.PET	0.174585453	0.666592253	0.464378650
## Inv_diff_norm_cooc.H.PET	0.385761313	0.990306296	0.471856956
## IDM_cooc.H.PET	0.119489887	0.561768357	0.436279150
## IDM_norm_cooc.H.PET	0.390920672	0.993196223	0.464302369
## Inv_var_cooc_.H.PET	0.217783787	0.568834627	0.893375834
## Correlation_cooc.H.PET	0.347728202	0.672271739	0.320583191
## Autocorrelation_cooc.H.PET	0.290842984	0.912516437	0.430205730
## Tendency_cooc.H.PET	0.427969285	0.819745390	0.296774689
## Shade_cooc.H.PET	-0.172153763	-0.414899160	-0.171814254
## Prominence_cooc.H.PET	0.373842857	0.606404690	0.182084023
## IC1_d.H.PET	-0.032961273	-0.126494516	0.370916896
## IC2_d.H.PET	0.352776183	0.782970223	0.370750398
## Coarseness_vdif.H.PET	0.083671860	0.396506354	0.992520435

## Contrast_vdif.H.PET	-0.010396238	0.281048337	0.259290462
## Busyness_vdif.H.PET	0.376465188	0.147292445	-0.395969010
## Complexity_vdif.H.PET	0.142389737	0.635259972	0.666181451
## Strength_vdif.H.PET	-0.083518038	0.005172806	0.108052452
## SRE_align.H.PET	0.401197030	0.967596424	0.440445449
## LRE_align.H.PET	0.183058566	0.636312125	0.318403195
## RLNU_align.H.PET	0.371442406	0.256071707	-0.070359748
## RP_align.H.PET	0.395008573	0.955547297	0.435042328
## LGRE_align.H.PET	0.114275028	0.423207741	0.993157122
## HGRE_align.H.PET	0.297598330	0.916180177	0.424514744
## LGSRE_align.H.PET	0.112718433	0.420729615	0.993317891
## HGSRE_align.H.PET	0.338606262	0.961685817	0.424081848
## LGHRE_align.H.PET	0.121959752	0.436383638	0.992491293
## HGLRE_align.H.PET	0.079562897	0.433387183	0.244101589
## GLNU_norm_align.H.PET	0.054596585	0.502039337	0.446562615
## RLNU_norm_align.H.PET	0.383186397	0.904913076	0.407375580
## GLVAR_align.H.PET	0.405680819	0.821369641	0.302564368
## RLVAR_align.H.PET	0.039415666	0.280289928	0.213255401
## Entropy_align.H.PET	0.432445286	0.902011161	0.322932433
## SZSE.H.PET	0.385992607	0.856957553	0.379652401
## LZSE.H.PET	-0.079163692	-0.051479672	-0.059794302
## LGLZE.H.PET	0.114389460	0.424176017	0.991292380
## HGLZE.H.PET	0.275409209	0.876808814	0.364332357
## SZLGE.H.PET	0.110060494	0.417813992	0.992031367
## SZHGE.H.PET	0.308735966	0.837103488	0.328572120
## LZLGE.H.PET	-0.050505374	0.006545805	0.077693305
## LZHGE.H.PET	-0.068812860	-0.049003068	-0.020322311
## GLNU_area.H.PET	0.437698964	0.295001343	-0.085959569
## ZSNU.H.PET	0.314435918	0.226942093	-0.078897402
## ZSP.H.PET	0.311346144	0.674422251	0.265219048
## GLNU_norm.H.PET	0.079530224	0.511989458	0.451140860
## ZSNU_norm.H.PET	0.325763728	0.724560676	0.311352687
## GLVAR_area.H.PET	0.382492031	0.801734167	0.291167035
## ZSVAR.H.PET	-0.065773653	-0.050206323	-0.036366461
## Entropy_area.H.PET	0.444238545	0.948497176	0.364483790
## Max_cooc.W.PET	0.001101920	0.322483866	0.625642555
## Average_cooc.W.PET	0.291352394	0.532736043	0.126665555
## Variance_cooc.W.PET	0.161952937	0.268737325	0.053787245
## Entropy_cooc.W.PET	0.415907017	0.858958739	0.292361052
## DAVE_cooc.W.PET	0.255514880	0.550665800	0.155497795
## DVAR_cooc.W.PET	0.138136870	0.296840791	0.048570930
## DENT_cooc.W.PET	0.389195223	0.841727040	0.304686513
## SAVE_cooc.W.PET	0.291216540	0.532053376	0.124644491
## SVAR_cooc.W.PET	0.170049210	0.246134370	0.054654843
## SENT_cooc.W.PET	0.403972321	0.892832555	0.416478344
## ASM_cooc.W.PET	0.021305391	0.351404307	0.803691818
## Contrast_cooc.W.PET	0.126167326	0.303427331	0.045453431
## Dissimilarity_cooc.W.PET	0.255514880	0.550665800	0.155497795
## Inv_diff_cooc.W.PET	0.220318957	0.745761407	0.482209990
## Inv_diff_norm_cooc.W.PET	0.409576153	0.991090616	0.462520079
## IDM_cooc.W.PET	0.147144772	0.611749444	0.448508548
## IDM_norm_cooc.W.PET	0.403387091	0.993641340	0.459111914
## Inv_var_cooc.W.PET	0.194008555	0.682445883	0.483414715
## Correlation_cooc.W.PET	0.330798372	0.665378362	0.317038088

## Autocorrelation_cooc.W.PET	0.181383536	0.270437251	0.015114288
## Tendency_cooc.W.PET	0.170049210	0.246134370	0.054654843
## Shade_cooc.W.PET	0.071448643	0.049943646	0.053135906
## Prominence_cooc.W.PET	0.051535274	0.018770819	0.025232379
## IC1_d.W.PET	-0.009921189	-0.146368312	0.436995464
## IC2_d.W.PET	0.320749105	0.842231056	0.425232073
## Coarseness_vdif.W.PET	-0.004680873	0.412656115	0.838005474
## Contrast_vdif.W.PET	0.102400051	0.467252711	0.272028499
## Busyness_vdif.W.PET	0.141636442	0.240507772	-0.082371803
## Complexity_vdif.W.PET	0.158163159	0.179453403	0.039794877
## Strength_vdif.W.PET	0.031936321	0.261129716	0.196272113
## SRE_align.W.PET	0.399812064	0.987526217	0.454041307
## LRE_align.W.PET	0.294012179	0.861412048	0.415436477
## GLNU_align.W.PET	0.397436711	0.287023401	-0.079168934
## RLNU_align.W.PET	0.376422534	0.256250579	-0.071621586
## RP_align.W.PET	0.399166532	0.983209559	0.450872478
## LGRE_align.W.PET	0.058213447	0.486892444	0.428921840
## HGRE_align.W.PET	0.184327415	0.271449399	0.007647147
## LGSRE_align.W.PET	0.077829105	0.522365330	0.459896111
## HGSRE_align.W.PET	0.180143002	0.267093338	0.006051731
## LGHRE_align.W.PET	-0.014803643	0.326618141	0.291569455
## HGLRE_align.W.PET	0.201263470	0.288484013	0.013868008
## GLNU_norm_align.W.PET	0.052154914	0.498260752	0.547281203
## RLNU_norm_align.W.PET	0.400132998	0.964140811	0.437219932
## GLVAR_align.W.PET	0.175919153	0.269459370	0.043637434
## RLVAR_align.W.PET	0.055907849	0.349670640	0.354205967
## Entropy_align.W.PET	0.432078257	0.903764504	0.323139123
## SZSE.W.PET	0.401352790	0.941203010	0.435581605
## LZSE.W.PET	-0.010358200	0.119984535	0.097752682
## LGLZE.W.PET	0.089961922	0.510665652	0.453103545
## HGLZE.W.PET	0.183585903	0.275031142	0.009157557
## SZLGE.W.PET	0.146356684	0.584585940	0.539267816
## SZHGE.W.PET	0.168646100	0.263403683	0.005590154
## LZLGE.W.PET	-0.101573423	-0.003130574	0.018126110
## LZHGE.W.PET	0.262499225	0.299183349	0.055551390
## GLNU_area.W.PET	0.423146755	0.298742332	-0.080966508
## ZSNU.W.PET	0.351025447	0.245504661	-0.072954739
## ZSP.W.PET	0.379473968	0.872197088	0.377744828
## GLNU_norm.W.PET	0.064137832	0.517686132	0.564821724
## ZSNU_norm.W.PET	0.378455988	0.866115177	0.382119532
## GLVAR_area.W.PET	0.178116018	0.272956352	0.048816470
## ZSVAR.W.PET	-0.025557820	0.034413995	0.062040060
## Entropy_area.W.PET	0.439751953	0.940367118	0.349905678
## Min_hist.ADC	-0.018086707	0.326481426	0.188987720
## Max_hist.ADC	0.512776914	0.895860202	0.369706453
## Mean_hist.ADC	0.332678510	0.873015476	0.362312706
## Variance_hist.ADC	0.167707248	0.499171537	0.282677090
## Standard_Deviation_hist.ADC	0.271256435	0.761628900	0.363742164
## Skewness_hist.ADC	0.347013631	0.209269244	0.133075470
## Kurtosis_hist.ADC	0.577353104	0.229824939	0.122080488
## Energy_hist.ADC	0.083003406	0.412695581	0.991859448
## Entropy_hist.ADC	0.434087111	0.962726792	0.387284640
## AUC_hist.ADC	0.486755949	0.968829904	0.469195431
## Volume.ADC	0.487347238	0.349410990	-0.152487147

## X3D_surface.ADC	0.643053171	0.456457903	0.115075525
## ratio_3ds_vol.ADC	-0.036558860	0.616606442	0.463502031
## ratio_3ds_vol_norm.ADC	0.500880837	0.946034453	0.362846674
## irregularity.ADC	0.300033986	0.942443950	0.460439270
## Compactness_v1.ADC	0.161168930	0.655716076	0.939458381
##	Average_cooc.H.ADC	Variance_cooc.H.ADC	
## Failure	-0.003579544	-0.001771023	
## Entropy_cooc.W.ADC	0.018939092	0.026147599	
## GLNU_align.H.PET	-0.052136189	-0.047137825	
## Min_hist.PET	0.538427336	0.546597802	
## Max_hist.PET	0.544892979	0.559216673	
## Mean_hist.PET	0.533437604	0.545413338	
## Variance_hist.PET	0.253986081	0.270985280	
## Standard_Deviation_hist.PET	0.532227496	0.547266712	
## Skewness_hist.PET	0.535184574	0.535171087	
## Kurtosis_hist.PET	0.145623538	0.150049987	
## Energy_hist.PET	0.414354727	0.395389634	
## Entropy_hist.PET	0.858170654	0.877287822	
## AUC_hist.PET	0.983413601	0.987987686	
## H_suv.PET	0.552533321	0.566315291	
## Volume.PET	0.307122236	0.343341161	
## X3D_surface.PET	0.224687432	0.218777094	
## ratio_3ds_vol.PET	0.573169709	0.545371312	
## ratio_3ds_vol_norm.PET	0.567513351	0.555359357	
## irregularity.PET	0.966742124	0.964616549	
## tumor_length.PET	0.590947955	0.594175273	
## Compactness_v1.PET	0.513230102	0.512625804	
## Compactness_v2.PET	0.240695748	0.261538531	
## Spherical_disproportion.PET	0.567513351	0.555359357	
## Sphericity.PET	0.243507949	0.270633001	
## Asphericity.PET	0.545511925	0.532978393	
## Center_of_mass.PET	0.358959841	0.366095633	
## Max_3D_diam.PET	0.463244408	0.489161520	
## Major_axis_length.PET	0.504584140	0.527713540	
## Minor_axis_length.PET	0.648842001	0.665713856	
## Least_axis_length.PET	0.550222110	0.568944572	
## Elongation.PET	0.853846124	0.839620697	
## Flatness.PET	0.789459010	0.782448039	
## Max_cooc.L.PET	0.432976932	0.420421599	
## Average_cooc.L.PET	0.807369881	0.805456142	
## Variance_cooc.L.PET	0.650502280	0.639730634	
## Entropy_cooc.L.PET	0.968089124	0.979382821	
## DAVE_cooc.L.PET	0.761962495	0.751106747	
## DVAR_cooc.L.PET	0.675250215	0.656615686	
## DENT_cooc.L.PET	0.965343287	0.967195269	
## SAVE_cooc.L.PET	0.807229064	0.805328377	
## SVAR_cooc.L.PET	0.653349813	0.650101601	
## SENT_cooc.L.PET	0.964999720	0.965616898	
## ASM_cooc.L.PET	0.401878885	0.390050558	
## Contrast_cooc.L.PET	0.558352407	0.537084800	
## Dissimilarity_cooc.L.PET	0.761962495	0.751106747	
## Inv_diff_cooc.L.PET	0.836043939	0.841296985	
## Inv_diff_norm_cooc.L.PET	0.983861833	0.990049103	
## IDM_cooc.L.PET	0.744296157	0.746319962	

## IDM_norm_cooc.L.PET	0.988011130	0.993810384
## Inv_var_cooc.L.PET	0.746269838	0.751455543
## Correlation_cooc.L.PET	0.639147918	0.653587341
## Autocorrelation_cooc.L.PET	0.601127863	0.596009695
## Tendency_cooc.L.PET	0.653349813	0.650101601
## Shade_cooc.L.PET	0.322817333	0.331123644
## Prominence_cooc.L.PET	0.465148947	0.457695055
## IC1_.L.PET	-0.400817397	-0.368970028
## IC2_.L.PET	0.901214744	0.887443292
## Coarseness_vdif_.L.PET	0.457233665	0.435517309
## Contrast_vdif_.L.PET	0.262512660	0.222717670
## Busyness_vdif_.L.PET	0.305615786	0.322640844
## Complexity_vdif_.L.PET	0.725980409	0.706737676
## Strength_vdif_.L.PET	0.325719666	0.293088881
## SRE_align.L.PET	0.990253726	0.994674122
## LRE_align.L.PET	0.984262364	0.987287443
## GLNU_align.L.PET	0.259314741	0.264278139
## RLNU_align.L.PET	0.236899886	0.242263132
## RP_align.L.PET	0.990219608	0.994433926
## LGRE_align.L.PET	0.616943280	0.608941617
## HGRE_align.L.PET	0.624383959	0.617095815
## LGSRE_align.L.PET	0.621146833	0.613341156
## HGSRE_align.L.PET	0.622817866	0.615519682
## LGHRE_align.L.PET	0.596676167	0.587954036
## HGLRE_align.L.PET	0.628999823	0.621597792
## GLNU_norm_align.L.PET	0.652320617	0.641885091
## RLNU_norm_align.L.PET	0.989080958	0.992721089
## GLVAR_align.L.PET	0.674680845	0.666113723
## RLVAR_align.L.PET	0.610931689	0.605869602
## Entropy_align.L.PET	0.974223027	0.982886567
## SZSE.L.PET	0.964276761	0.973668275
## LZSE.L.PET	0.699016248	0.684902591
## LGLZE.L.PET	0.627897814	0.618960731
## HGLZE.L.PET	0.634367939	0.626734113
## SZLGE.L.PET	0.634080581	0.626530318
## SZHGE.L.PET	0.627060355	0.622705582
## LZLGE.L.PET	0.504748943	0.492477814
## LZHGE.L.PET	0.528713965	0.509692279
## GLNU_area.L.PET	0.260299002	0.266996617
## ZSNU.L.PET	0.237067781	0.245061253
## ZSP.L.PET	0.972483794	0.980133812
## GLNU_norm.L.PET	0.652058643	0.641909470
## ZSNU_norm.L.PET	0.977277600	0.981460990
## GLVAR_area.L.PET	0.685000032	0.676239043
## ZSVAR.L.PET	0.442434878	0.432319982
## Entropy_area.L.PET	0.974386175	0.983234399
## Max_cooc.H.PET	0.304031123	0.293327265
## Average_cooc.H.PET	0.968406400	0.970374865
## Variance_cooc.H.PET	0.851697280	0.857222398
## Entropy_cooc.H.PET	0.835355682	0.839720940
## DAVE_cooc.H.PET	0.877242946	0.878942031
## DVAR_cooc.H.PET	0.851322221	0.853892941
## DENT_cooc.H.PET	0.774889554	0.788234663
## SAVE_cooc.H.PET	0.977274703	0.977579771

## SVAR_cooc.H.PET	0.837611190	0.848010784
## SENT_cooc.H.PET	0.678640112	0.669699363
## ASM_cooc.H.PET	0.281546041	0.271252679
## Contrast_cooc.H.PET	0.784173370	0.783816268
## Dissimilarity_cooc.H.PET	0.877242946	0.878942031
## Inv_diff_cooc.H.PET	0.663121390	0.661008559
## Inv_diff_norm_cooc.H.PET	0.986108665	0.990562562
## IDM_cooc.H.PET	0.559501700	0.555617327
## IDM_norm_cooc.H.PET	0.989349764	0.993895187
## Inv_var_cooc_.H.PET	0.558088093	0.554889166
## Correlation_cooc.H.PET	0.648290479	0.661486104
## Autocorrelation_cooc.H.PET	0.911380744	0.911425149
## Tendency_cooc.H.PET	0.812009301	0.820219895
## Shade_cooc.H.PET	-0.420991249	-0.407607944
## Prominence_cooc.H.PET	0.599288911	0.606419796
## IC1_d.H.PET	-0.130117145	-0.135510054
## IC2_d.H.PET	0.772273027	0.777982011
## Coarseness_vdif.H.PET	0.397507029	0.383721361
## Contrast_vdif.H.PET	0.298795485	0.276411485
## Busyness_vdif.H.PET	0.114225114	0.150762352
## Complexity_vdif.H.PET	0.652679594	0.630644204
## Strength_vdif.H.PET	0.032852821	0.018028552
## SRE_align.H.PET	0.965760661	0.970447325
## LRE_align.H.PET	0.631954448	0.632934679
## RLNU_align.H.PET	0.235074797	0.242765508
## RP_align.H.PET	0.954780628	0.959008630
## LGRE_align.H.PET	0.417476409	0.408368521
## HGRE_align.H.PET	0.917224729	0.917351648
## LGSRE_align.H.PET	0.415045757	0.405890335
## HGSRE_align.H.PET	0.963848941	0.964356260
## LGHRE_align.H.PET	0.430552026	0.421534814
## HGLRE_align.H.PET	0.433164076	0.432965673
## GLNU_norm_align.H.PET	0.504605221	0.497212933
## RLNU_norm_align.H.PET	0.905738488	0.909802934
## GLVAR_align.H.PET	0.818459498	0.824954982
## RLVAR_align.H.PET	0.274987754	0.275446047
## Entropy_align.H.PET	0.892185566	0.905184505
## SZSE.H.PET	0.848818322	0.861060994
## LZSE.H.PET	-0.055063377	-0.052473865
## LGLZE.H.PET	0.417993285	0.409207019
## HGLZE.H.PET	0.864396443	0.873037404
## SZLGE.H.PET	0.411461041	0.402690045
## SZHGE.H.PET	0.835279572	0.842113003
## LZLGE.H.PET	0.003357952	0.003695771
## LZHGE.H.PET	-0.047437937	-0.046284057
## GLNU_area.H.PET	0.269767477	0.279435458
## ZSNU.H.PET	0.205257222	0.216889509
## ZSP.H.PET	0.670499693	0.680220484
## GLNU_norm.H.PET	0.515730266	0.508509364
## ZSNU_norm.H.PET	0.724121567	0.733172660
## GLVAR_area.H.PET	0.795210183	0.804862599
## ZSVAR_H.PET	-0.052853649	-0.050664022
## Entropy_area.H.PET	0.935483504	0.947335175
## Max_cooc.W.PET	0.330688884	0.319036073

## Average_cooc.W.PET	0.520930974	0.537821628
## Variance_cooc.W.PET	0.254263896	0.270398243
## Entropy_cooc.W.PET	0.852283346	0.863772602
## DAVE_cooc.W.PET	0.551683706	0.562751434
## DVAR_cooc.W.PET	0.293832322	0.307377323
## DENT_cooc.W.PET	0.838837632	0.848152990
## SAVE_cooc.W.PET	0.520253227	0.537170662
## SVAR_cooc.W.PET	0.226181884	0.243204449
## SENT_cooc.W.PET	0.887275530	0.893874143
## ASM_cooc.W.PET	0.355695960	0.343259308
## Contrast_cooc.W.PET	0.304597177	0.316979063
## Dissimilarity_cooc.W.PET	0.551683706	0.562751434
## Inv_diff_cooc.W.PET	0.743047586	0.740286640
## Inv_diff_norm_cooc.W.PET	0.984307300	0.990256731
## IDM_cooc.W.PET	0.609457249	0.605403069
## IDM_norm_cooc.W.PET	0.988296835	0.993890110
## Inv_var_cooc.W.PET	0.678051291	0.674139102
## Correlation_cooc.W.PET	0.638487153	0.653255849
## Autocorrelation_cooc.W.PET	0.251259258	0.271680575
## Tendency_cooc.W.PET	0.226181884	0.243204449
## Shade_cooc.W.PET	0.029696805	0.038858452
## Prominence_cooc.W.PET	-0.005338924	0.005825981
## IC1_d.W.PET	-0.157592259	-0.160556470
## IC2_d.W.PET	0.844124350	0.843230860
## Coarseness_vdif.W.PET	0.438423328	0.408000218
## Contrast_vdif.W.PET	0.483282917	0.483560794
## Busyness_vdif.W.PET	0.221163350	0.239614210
## Complexity_vdif.W.PET	0.161773774	0.176669907
## Strength_vdif.W.PET	0.257431221	0.259020002
## SRE_align.W.PET	0.984989204	0.989566229
## LRE_align.W.PET	0.859005307	0.861424507
## GLNU_align.W.PET	0.264789007	0.270596884
## RLNU_align.W.PET	0.236424514	0.242595555
## RP_align.W.PET	0.981225596	0.985526614
## LGRE_align.W.PET	0.489725966	0.483876521
## HGRE_align.W.PET	0.255154126	0.274920278
## LGSRE_align.W.PET	0.525345042	0.519031020
## HGSRE_align.W.PET	0.250963902	0.270698345
## LGHRE_align.W.PET	0.328523461	0.325070187
## HGLRE_align.W.PET	0.271836516	0.291472378
## GLNU_norm_align.W.PET	0.501748402	0.492755890
## RLNU_norm_align.W.PET	0.963099533	0.967227000
## GLVAR_align.W.PET	0.253905062	0.270867813
## RLVAR_align.W.PET	0.344874859	0.344306540
## Entropy_align.W.PET	0.895517184	0.907348138
## SZSE.W.PET	0.934489445	0.942917798
## LZSE.W.PET	0.129927551	0.124198106
## LGLZE.W.PET	0.509583975	0.506501857
## HGLZE.W.PET	0.259006865	0.278368149
## SZLGE.W.PET	0.580437425	0.578938705
## SZHGE.W.PET	0.247053072	0.266939276
## LZLGE.W.PET	0.002661308	0.001822530
## LZHGE.W.PET	0.299995558	0.303279738
## GLNU_area.W.PET	0.273683994	0.282281540

## ZSNU.W.PET	0.223829077	0.232943866	
## ZSP.W.PET	0.867402778	0.875339921	
## GLNU_norm.W.PET	0.519855124	0.512059044	
## ZSNU_norm.W.PET	0.867618456	0.871163704	
## GLVAR_area.W.PET	0.257486645	0.274158040	
## ZSVAR.W.PET	0.041712816	0.037377219	
## Entropy_area.W.PET	0.930143529	0.941997558	
## Min_hist.ADC	0.362118251	0.329205220	
## Max_hist.ADC	0.863251867	0.881881221	
## Mean_hist.ADC	0.891655751	0.864972295	
## Variance_hist.ADC	0.428387596	0.458713649	
## Standard_Deviation_hist.ADC	0.707078286	0.733169615	
## Skewness_hist.ADC	0.147044738	0.223505370	
## Kurtosis_hist.ADC	0.262110300	0.239669653	
## Energy_hist.ADC	0.417558704	0.402241039	
## Entropy_hist.ADC	0.935320171	0.953861920	
## AUC_hist.ADC	0.950455398	0.970803074	
## Volume.ADC	0.293897520	0.331667304	
## X3D_surface.ADC	0.388116674	0.432484841	
## ratio_3ds_vol.ADC	0.673479641	0.637459970	
## ratio_3ds_vol_norm.ADC	0.921525762	0.936768946	
## irregularity.ADC	0.956218021	0.952586508	
## Compactness_v1.ADC	0.662681996	0.651392151	
##	Entropy_cooc.H.ADC	DAVE_cooc.H.ADC	DVAR_cooc.H.ADC
## Failure	-0.027553433	0.02724605	0.004081227
## Entropy_cooc.W.ADC	0.064275178	-0.03372833	0.003175596
## GLNU_align.H.PET	-0.037849367	-0.10923509	-0.095207724
## Min_hist.PET	0.552169312	0.53826120	0.526223237
## Max_hist.PET	0.572999145	0.51935946	0.511509630
## Mean_hist.PET	0.555317762	0.53620863	0.522421833
## Variance_hist.PET	0.284332438	0.27562638	0.278356863
## Standard_Deviation_hist.PET	0.559990285	0.52360441	0.513903919
## Skewness_hist.PET	0.526332631	0.43915787	0.449841930
## Kurtosis_hist.PET	0.150300143	0.03932559	0.059939001
## Energy_hist.PET	0.377123845	0.40562517	0.390493785
## Entropy_hist.PET	0.890993824	0.74799229	0.701460772
## AUC_hist.PET	0.985482886	0.90340451	0.854120512
## H_suv.PET	0.570930909	0.53769947	0.519089409
## Volume.PET	0.373660750	0.21447297	0.174260646
## X3D_surface.PET	0.238262675	0.13805099	0.139928949
## ratio_3ds_vol.PET	0.520553716	0.57711134	0.580296329
## ratio_3ds_vol_norm.PET	0.547722123	0.53215059	0.540854234
## irregularity.PET	0.955509912	0.90128638	0.859571801
## tumor_length.PET	0.614510333	0.48375400	0.478557341
## Compactness_v1.PET	0.501850634	0.48377583	0.459709248
## Compactness_v2.PET	0.269080804	0.22036887	0.207096512
## Spherical_disproportion.PET	0.547722123	0.53215059	0.540854234
## Sphericity.PET	0.278175273	0.20644595	0.174215470
## Asphericity.PET	0.525283815	0.51192069	0.522366240
## Center_of_mass.PET	0.379714215	0.27440160	0.282961798
## Max_3D_diam.PET	0.507392484	0.39107854	0.360844105
## Major_axis_length.PET	0.540301651	0.44651149	0.424159207
## Minor_axis_length.PET	0.686801848	0.54034038	0.510857077
## Least_axis_length.PET	0.594796053	0.44632550	0.405120933

## Elongation.PET	0.842670970	0.78471355	0.743674827
## Flatness.PET	0.791010720	0.70892391	0.641379340
## Max_cooc.L.PET	0.405568643	0.41045434	0.396976634
## Average_cooc.L.PET	0.793909848	0.79744410	0.736691805
## Variance_cooc.L.PET	0.609677614	0.65603634	0.608077387
## Entropy_cooc.L.PET	0.979920790	0.90433207	0.854534487
## DAVE_cooc.L.PET	0.728390973	0.75333762	0.705983667
## DVAR_cooc.L.PET	0.630728794	0.66828345	0.646114467
## DENT_cooc.L.PET	0.958009250	0.91187818	0.861801821
## SAVE_cooc.L.PET	0.793793274	0.79731669	0.736553588
## SVAR_cooc.L.PET	0.621444423	0.65335694	0.602607394
## SENT_cooc.L.PET	0.959574422	0.91241338	0.862018167
## ASM_cooc.L.PET	0.376830738	0.38355185	0.371466350
## Contrast_cooc.L.PET	0.508861801	0.57192414	0.534852336
## Dissimilarity_cooc.L.PET	0.728390973	0.75333762	0.705983667
## Inv_diff_cooc.L.PET	0.850230289	0.73344537	0.702302359
## Inv_diff_norm_cooc.L.PET	0.990152299	0.90314351	0.856814028
## IDM_cooc.L.PET	0.755917511	0.63978218	0.615175400
## IDM_norm_cooc.L.PET	0.992641254	0.91075579	0.863270847
## Inv_var_cooc.L.PET	0.761615819	0.63992245	0.619284806
## Correlation_cooc.L.PET	0.664691383	0.57025663	0.537745671
## Autocorrelation_cooc.L.PET	0.578970799	0.61530597	0.555021672
## Tendency_cooc.L.PET	0.621444423	0.65335694	0.602607394
## Shade_cooc.L.PET	0.308763828	0.30781580	0.318912466
## Prominence_cooc.L.PET	0.419999678	0.47431415	0.440319937
## IC1_.L.PET	-0.335601699	-0.43792639	-0.403063290
## IC2_.L.PET	0.868507783	0.88023193	0.836782627
## Coarseness_vdif_.L.PET	0.409198756	0.46265090	0.441767428
## Contrast_vdif_.L.PET	0.200598919	0.28034732	0.253618404
## Busyness_vdif_.L.PET	0.346872748	0.18273512	0.158531506
## Complexity_vdif_.L.PET	0.684677626	0.71230538	0.681011388
## Strength_vdif_.L.PET	0.253835701	0.33580869	0.320086852
## SRE_align.L.PET	0.990630953	0.91894929	0.870416567
## LRE_align.L.PET	0.987931463	0.90413859	0.856608792
## GLNU_align.L.PET	0.290232608	0.15726648	0.148247515
## RLNU_align.L.PET	0.269757101	0.15850447	0.145558990
## RP_align.L.PET	0.990171465	0.91976912	0.871176008
## LGRE_align.L.PET	0.590275124	0.53531005	0.524324884
## HGRE_align.L.PET	0.600665226	0.64241681	0.584013150
## LGSRE_align.L.PET	0.594303797	0.54104752	0.529757845
## HGSRE_align.L.PET	0.598607630	0.64133992	0.583449238
## LGHRE_align.L.PET	0.571034493	0.51011833	0.500531639
## HGLRE_align.L.PET	0.607311720	0.64503541	0.584942908
## GLNU_norm_align.L.PET	0.628853069	0.58435976	0.563843604
## RLNU_norm_align.L.PET	0.987726390	0.92162585	0.873010495
## GLVAR_align.L.PET	0.639811907	0.68010770	0.627746799
## RLVAR_align.L.PET	0.610252556	0.53774838	0.516154801
## Entropy_align.L.PET	0.982680097	0.91289207	0.861697412
## SZSE.L.PET	0.966237978	0.89284602	0.845058885
## LZSE.L.PET	0.698289376	0.63953657	0.608628741
## LGLZE.L.PET	0.602046671	0.54661884	0.535272755
## HGLZE.L.PET	0.610912056	0.65098300	0.593591968
## SZLGE.L.PET	0.609031709	0.55747876	0.545212244
## SZHGE.L.PET	0.605059283	0.63931272	0.584420249

## LZLGE.L.PET	0.483666637	0.41250462	0.409196765
## LZHGE.L.PET	0.505201405	0.55713825	0.503176094
## GLNU_area.L.PET	0.292407322	0.15872481	0.148175570
## ZSNU.L.PET	0.271385817	0.15897966	0.143907326
## ZSP.L.PET	0.972196968	0.90471502	0.856155000
## GLNU_norm.L.PET	0.629287677	0.58501291	0.564317981
## ZSNU_norm.L.PET	0.972868348	0.91461219	0.865424585
## GLVAR_area.L.PET	0.651340310	0.69084530	0.639439395
## ZSVAR.L.PET	0.452906727	0.36544564	0.352897255
## Entropy_area.L.PET	0.984973516	0.90868008	0.858474256
## Max_cooc.H.PET	0.267347683	0.26871557	0.246361368
## Average_cooc.H.PET	0.961229507	0.88962585	0.837843546
## Variance_cooc.H.PET	0.867885742	0.81010992	0.767588460
## Entropy_cooc.H.PET	0.831526952	0.80473110	0.766935088
## DAVE_cooc.H.PET	0.878545020	0.83160298	0.789738103
## DVAR_cooc.H.PET	0.853254038	0.80382392	0.758320522
## DENT_cooc.H.PET	0.800880243	0.68822297	0.665741855
## SAVE_cooc.H.PET	0.971367650	0.88801570	0.836840881
## SVAR_cooc.H.PET	0.864199152	0.76149551	0.716616260
## SENT_cooc.H.PET	0.674672351	0.66067483	0.654574497
## ASM_cooc.H.PET	0.245931908	0.25417202	0.224228752
## Contrast_cooc.H.PET	0.782084570	0.75337267	0.711686391
## Dissimilarity_cooc.H.PET	0.878545020	0.83160298	0.789738103
## Inv_diff_cooc.H.PET	0.646727528	0.59350780	0.549143824
## Inv_diff_norm_cooc.H.PET	0.986788045	0.90985488	0.861177511
## IDM_cooc.H.PET	0.539855187	0.49594983	0.454805207
## IDM_norm_cooc.H.PET	0.990685275	0.91412974	0.865890130
## Inv_var_cooc.H.PET	0.550776813	0.53900813	0.538424039
## Correlation_cooc.H.PET	0.674648295	0.58918080	0.556622554
## Autocorrelation_cooc.H.PET	0.898297685	0.83195677	0.778966399
## Tendency_cooc.H.PET	0.836627943	0.76831345	0.729142157
## Shade_cooc.H.PET	-0.427066730	-0.41212186	-0.371438695
## Prominence_cooc.H.PET	0.630683967	0.57895399	0.549125899
## IC1_d.H.PET	-0.140496491	-0.11553457	-0.088994249
## IC2_d.H.PET	0.784907183	0.71239820	0.675107340
## Coarseness_vdif.H.PET	0.367601527	0.38650533	0.372699500
## Contrast_vdif.H.PET	0.256042594	0.29332090	0.261113983
## Busyness_vdif.H.PET	0.163387442	0.01458641	-0.045905156
## Complexity_vdif.H.PET	0.623417831	0.64586055	0.633494903
## Strength_vdif.H.PET	-0.006121990	0.04362238	0.018902315
## SRE_align.H.PET	0.969457271	0.90223861	0.860302927
## LRE_align.H.PET	0.623359404	0.55697343	0.512940975
## RLNU_align.H.PET	0.267629098	0.16763070	0.159891713
## RP_align.H.PET	0.957769994	0.89524212	0.854344115
## LGRE_align.H.PET	0.397475320	0.40511496	0.391123691
## HGRE_align.H.PET	0.904715671	0.84029177	0.787772172
## LGSRE_align.H.PET	0.394875128	0.40286396	0.389058689
## HGSRE_align.H.PET	0.954211120	0.89154813	0.845116611
## LGHRE_align.H.PET	0.411325191	0.41679259	0.401677174
## HGLRE_align.H.PET	0.420443339	0.37681955	0.339141184
## GLNU_norm_align.H.PET	0.472259939	0.44955107	0.409403725
## RLNU_norm_align.H.PET	0.909812962	0.85592734	0.821000840
## GLVAR_align.H.PET	0.838861807	0.77665232	0.736950376
## RLVAR_align.H.PET	0.269767464	0.22108393	0.197115347

## Entropy_align.H.PET	0.915595528	0.83388957	0.796436737
## SZSE.H.PET	0.861951381	0.79034876	0.766312334
## LZSE.H.PET	-0.056924383	-0.07825975	-0.075654612
## LGLZE.H.PET	0.398646028	0.40574265	0.391332298
## HGLZE.H.PET	0.867518908	0.75043273	0.705363063
## SZLGE.H.PET	0.391809475	0.39895708	0.385104390
## SZHGE.H.PET	0.835553922	0.75809184	0.739924031
## LZLGE.H.PET	-0.000752605	-0.01747314	-0.013462004
## LZHGE.H.PET	-0.056360966	-0.06315883	-0.060064432
## GLNU_area.H.PET	0.305743268	0.16268690	0.141038612
## ZSNU.H.PET	0.235140303	0.16098323	0.158182074
## ZSP.H.PET	0.682027109	0.63379603	0.616919754
## GLNU_norm.H.PET	0.483485080	0.47307433	0.431319003
## ZSNU_norm.H.PET	0.734459688	0.68711663	0.670714018
## GLVAR_area.H.PET	0.821459659	0.75367345	0.714578816
## ZSVAR_H.PET	-0.057187867	-0.07312931	-0.066047483
## Entropy_area.H.PET	0.958788753	0.85949354	0.814979203
## Max_cooc.W.PET	0.292110407	0.30953237	0.285244708
## Average_cooc.W.PET	0.552456005	0.52279210	0.505531583
## Variance_cooc.W.PET	0.281801993	0.27154812	0.273861895
## Entropy_cooc.W.PET	0.873296882	0.80336628	0.771853708
## DAVE_cooc.W.PET	0.567742553	0.54923527	0.534234461
## DVAR_cooc.W.PET	0.312618198	0.31635968	0.314426713
## DENT_cooc.W.PET	0.853527448	0.79228067	0.764090964
## SAVE_cooc.W.PET	0.551834870	0.52214396	0.504903558
## SVAR_cooc.W.PET	0.257212669	0.23922183	0.244776980
## SENT_cooc.W.PET	0.900256399	0.83625234	0.803200551
## ASM_cooc.W.PET	0.319144929	0.33491250	0.309369531
## Contrast_cooc.W.PET	0.320561306	0.33146860	0.325103403
## Dissimilarity_cooc.W.PET	0.567742553	0.54923527	0.534234461
## Inv_diff_cooc.W.PET	0.727750677	0.66828907	0.618372844
## Inv_diff_norm_cooc.W.PET	0.990071106	0.90405451	0.857683083
## IDM_cooc.W.PET	0.590644794	0.54289396	0.496640152
## IDM_norm_cooc.W.PET	0.992663669	0.91130263	0.863944408
## Inv_var_cooc.W.PET	0.662107337	0.60709297	0.561857762
## Correlation_cooc.W.PET	0.664898779	0.56901116	0.536737389
## Autocorrelation_cooc.W.PET	0.287433543	0.28440072	0.282990607
## Tendency_cooc.W.PET	0.257212669	0.23922183	0.244776980
## Shade_cooc.W.PET	0.050311375	0.03157525	0.047468189
## Prominence_cooc.W.PET	0.020063246	0.01269779	0.027162506
## IC1_d.W.PET	-0.160822064	-0.14760948	-0.124139110
## IC2_d.W.PET	0.842500925	0.79039497	0.750603959
## Coarseness_vdif.W.PET	0.379435998	0.45074144	0.426131436
## Contrast_vdif.W.PET	0.472714413	0.50233491	0.474981728
## Busyness_vdif.W.PET	0.233567413	0.13036924	0.074194107
## Complexity_vdif.W.PET	0.187554839	0.17520851	0.185200946
## Strength_vdif.W.PET	0.242703133	0.22203200	0.224125271
## SRE_align.W.PET	0.987472612	0.91582261	0.870771374
## LRE_align.W.PET	0.854595992	0.78100360	0.729165666
## GLNU_align.W.PET	0.300039226	0.14064574	0.111812958
## RLNU_align.W.PET	0.268685628	0.16342256	0.153888763
## RP_align.W.PET	0.983617949	0.91390375	0.869470884
## LGRE_align.W.PET	0.454425476	0.43004673	0.398208833
## HGRE_align.W.PET	0.290216220	0.29147327	0.290485486

## LGSRE_align.W.PET	0.489547455	0.46370738	0.432447161
## HGSRE_align.W.PET	0.285640792	0.28816508	0.287630030
## LGHRE_align.W.PET	0.297571762	0.27824050	0.248403211
## HGLRE_align.W.PET	0.308413966	0.30458924	0.301804792
## GLNU_norm_align.W.PET	0.466067642	0.45096502	0.412686343
## RLNU_norm_align.W.PET	0.966438084	0.90115673	0.860853752
## GLVAR_align.W.PET	0.284433452	0.27547938	0.278568005
## RLVAR_align.W.PET	0.333913049	0.29350961	0.264441119
## Entropy_align.W.PET	0.917320862	0.83857333	0.801209369
## SZSE.W.PET	0.940482076	0.86630899	0.831167405
## LZSE.W.PET	0.112499966	0.11375758	0.105365054
## LGLZE.W.PET	0.481526642	0.45305468	0.424542341
## HGLZE.W.PET	0.293565203	0.29384939	0.293088089
## SZLGE.W.PET	0.555191358	0.52200995	0.502774069
## SZHGE.W.PET	0.280485531	0.28190608	0.281721893
## LZLGE.W.PET	-0.017001507	-0.01716278	-0.028558675
## LZHGE.W.PET	0.327888602	0.33321321	0.332472498
## GLNU_area.W.PET	0.310508715	0.15331702	0.126817531
## ZSNU.W.PET	0.255143298	0.16227038	0.156346730
## ZSP.W.PET	0.875864562	0.80784860	0.776000534
## GLNU_norm.W.PET	0.486188095	0.47474055	0.437099201
## ZSNU_norm.W.PET	0.871381270	0.81381579	0.788812091
## GLVAR_area.W.PET	0.288341248	0.27879053	0.282469820
## ZSVAR.W.PET	0.026552897	0.02831275	0.031979075
## Entropy_area.W.PET	0.951577312	0.86328707	0.820032680
## Min_hist.ADC	0.298651126	0.42978456	0.400607686
## Max_hist.ADC	0.893946289	0.69787531	0.672838375
## Mean_hist.ADC	0.862960195	0.78676716	0.779690551
## Variance_hist.ADC	0.463210558	0.21329834	0.197664979
## Standard_Deviation_hist.ADC	0.735523864	0.51020785	0.474357785
## Skewness_hist.ADC	0.221588129	0.19566236	0.123648636
## Kurtosis_hist.ADC	0.279329986	0.34801620	0.455036035
## Energy_hist.ADC	0.381924262	0.41801393	0.399172919
## Entropy_hist.ADC	0.970994252	0.80987827	0.772814867
## AUC_hist.ADC	0.970134170	0.87131574	0.809666735
## Volume.ADC	0.360596009	0.19737548	0.156689663
## X3D_surface.ADC	0.467064466	0.19808523	0.184338160
## ratio_3ds_vol.ADC	0.586085073	0.74583374	0.680953970
## ratio_3ds_vol_norm.ADC	0.947063169	0.82115779	0.777145383
## irregularity.ADC	0.934637450	0.93033138	0.867006479
## Compactness_v1.ADC	0.632597308	0.63780163	0.605968032
##	DENT_cooc.H.ADC	SAVE_cooc.H.ADC	SVAR_cooc.H.ADC
## Failure	0.002351003	-0.003627702	-0.0174590368
## Entropy_cooc.W.ADC	0.018362712	0.018966784	0.0597446712
## GLNU_align.H.PET	-0.059707056	-0.052209681	-0.0005162826
## Min_hist.PET	0.546922840	0.538534570	0.4878639320
## Max_hist.PET	0.554143592	0.544987495	0.5203892487
## Mean_hist.PET	0.547143991	0.533546322	0.4883045965
## Variance_hist.PET	0.276005894	0.254049220	0.2346808771
## Standard_Deviation_hist.PET	0.549447898	0.532295840	0.5010400742
## Skewness_hist.PET	0.517326133	0.535106852	0.5364614724
## Kurtosis_hist.PET	0.119936770	0.145535276	0.2002350304
## Energy_hist.PET	0.416027312	0.413552995	0.3494490611
## Entropy_hist.PET	0.857989083	0.858238618	0.8739880333

## AUC_hist.PET	0.985742387	0.983323420	0.9436488839
## H_suv.PET	0.567626471	0.552510415	0.5228317909
## Volume.PET	0.313143673	0.307399595	0.3965260070
## X3D_surface.PET	0.207181013	0.224670688	0.2506953625
## ratio_3ds_vol.PET	0.570233519	0.572774692	0.4636938821
## ratio_3ds_vol_norm.PET	0.569231869	0.567115304	0.5099485896
## irregularity.PET	0.965687089	0.966680378	0.9072103485
## tumor_length.PET	0.583968374	0.590867240	0.6067548947
## Compactness_v1.PET	0.521505065	0.512532085	0.4799415979
## Compactness_v2.PET	0.244923735	0.241051970	0.2579948064
## Spherical_disproportion.PET	0.569231869	0.567115304	0.5099485896
## Sphericity.PET	0.245112919	0.244009434	0.2844537263
## Asphericity.PET	0.547166379	0.545106716	0.4883595985
## Center_of_mass.PET	0.356032156	0.358939783	0.3890428731
## Max_3D_diam.PET	0.463806125	0.463590557	0.5021347901
## Major_axis_length.PET	0.507740239	0.504812257	0.5230095902
## Minor_axis_length.PET	0.646127894	0.648963303	0.6804376727
## Least_axis_length.PET	0.547603241	0.550423349	0.5951360095
## Elongation.PET	0.849489782	0.853705989	0.7920128366
## Flatness.PET	0.784715200	0.789395748	0.7593203444
## Max_cooc.L.PET	0.436396279	0.432171019	0.3850340612
## Average_cooc.L.PET	0.821205958	0.807344961	0.7333965774
## Variance_cooc.L.PET	0.657839142	0.650453167	0.5684038683
## Entropy_cooc.L.PET	0.979095365	0.968111330	0.9298825377
## DAVE_cooc.L.PET	0.766777215	0.761914688	0.6746474244
## DVAR_cooc.L.PET	0.675107325	0.675130016	0.5786452657
## DENT_cooc.L.PET	0.971222450	0.965325991	0.9055273785
## SAVE_cooc.L.PET	0.821062626	0.807205156	0.7332820200
## SVAR_cooc.L.PET	0.665081547	0.653319393	0.5880636154
## SENT_cooc.L.PET	0.973008229	0.964900315	0.9038550100
## ASM_cooc.L.PET	0.407057362	0.401054942	0.3556549189
## Contrast_cooc.L.PET	0.557720405	0.558280474	0.4606118258
## Dissimilarity_cooc.L.PET	0.766777215	0.761914688	0.6746474244
## Inv_diff_cooc.L.PET	0.831492306	0.835852326	0.8253890268
## Inv_diff_norm_cooc.L.PET	0.986466742	0.983812913	0.9461527217
## IDM_cooc.L.PET	0.736510691	0.744013592	0.7391559149
## IDM_norm_cooc.L.PET	0.991281012	0.987965653	0.9471583606
## Inv_var_cooc.L.PET	0.740515369	0.745990619	0.7466407291
## Correlation_cooc.L.PET	0.648256571	0.639105880	0.6461888947
## Autocorrelation_cooc.L.PET	0.616274470	0.601079314	0.5300292747
## Tendency_cooc.L.PET	0.665081547	0.653319393	0.5880636154
## Shade_cooc.L.PET	0.327847060	0.322841349	0.3102680774
## Prominence_cooc.L.PET	0.471414610	0.465106928	0.4055288489
## IC1_.L.PET	-0.389461474	-0.401039305	-0.2876882022
## IC2_.L.PET	0.905258562	0.901067947	0.8024906228
## Coarseness_vdif_.L.PET	0.459049797	0.456511828	0.3744314614
## Contrast_vdif_.L.PET	0.242459200	0.262406706	0.1630228346
## Busyness_vdif_.L.PET	0.292528418	0.305782033	0.3848563637
## Complexity_vdif_.L.PET	0.722329284	0.725854068	0.6290689474
## Strength_vdif_.L.PET	0.304213340	0.325558687	0.2328940161
## SRE_align.L.PET	0.994100071	0.990202060	0.9432422831
## LRE_align.L.PET	0.985038872	0.984227031	0.9413839446
## GLNU_align.L.PET	0.243536839	0.259452398	0.3083429088
## RLNU_align.L.PET	0.226302161	0.237082472	0.2738171121

## RP_align.L.PET	0.994127047	0.990167713	0.9423285498
## LGRE_align.L.PET	0.602463013	0.616541029	0.5917459754
## HGRE_align.L.PET	0.639150196	0.624332244	0.5435865825
## LGSRE_align.L.PET	0.607366111	0.620735843	0.5948336629
## HGSRE_align.L.PET	0.637627451	0.622764209	0.5417417742
## LGHRE_align.L.PET	0.579772797	0.596308708	0.5755572089
## HGLRE_align.L.PET	0.643484861	0.628956510	0.5492320989
## GLNU_norm_align.L.PET	0.645359649	0.651696352	0.6134474157
## RLNU_norm_align.L.PET	0.993365023	0.989027092	0.9384395482
## GLVAR_align.L.PET	0.684981964	0.674635139	0.5942960355
## RLVAR_align.L.PET	0.609037568	0.610367319	0.5896378443
## Entropy_align.L.PET	0.984234330	0.974233792	0.9298676361
## SZSE.L.PET	0.970411019	0.964209337	0.9278219111
## LZSE.L.PET	0.690104649	0.699029288	0.6446928556
## LGLZE.L.PET	0.614007525	0.627487416	0.5999570870
## HGLZE.L.PET	0.648851778	0.634317908	0.5527507729
## SZLGE.L.PET	0.623135991	0.633641448	0.6047669413
## SZHGE.L.PET	0.642098039	0.627000257	0.5538153962
## LZLGE.L.PET	0.482639195	0.504482729	0.4912207216
## LZHGE.L.PET	0.537468714	0.528710454	0.4324515469
## GLNU_area.L.PET	0.245366715	0.260443801	0.3117753222
## ZSNU.L.PET	0.227561806	0.237260187	0.2779963502
## ZSP.L.PET	0.978340301	0.972421865	0.9299814153
## GLNU_norm.L.PET	0.645665970	0.651430509	0.6130927811
## ZSNU_norm.L.PET	0.982008705	0.977216243	0.9254035681
## GLVAR_area.L.PET	0.696023669	0.684950688	0.6027402415
## ZSVAR.L.PET	0.430675927	0.442284882	0.4326198514
## Entropy_area.L.PET	0.983790463	0.974399614	0.9331830588
## Max_cooc.H.PET	0.294096080	0.303758532	0.2840597823
## Average_cooc.H.PET	0.967534270	0.968376162	0.9263097439
## Variance_cooc.H.PET	0.861924770	0.851725593	0.7992566658
## Entropy_cooc.H.PET	0.844268787	0.835426881	0.7737934954
## DAVE_cooc.H.PET	0.882252289	0.877248660	0.8177281263
## DVAR_cooc.H.PET	0.855796453	0.851306262	0.7980389030
## DENT_cooc.H.PET	0.771047773	0.775000097	0.7688942906
## SAVE_cooc.H.PET	0.972980278	0.977266259	0.9385414493
## SVAR_cooc.H.PET	0.839966594	0.837625602	0.8182370640
## SENT_cooc.H.PET	0.689222824	0.678326565	0.6037220473
## ASM_cooc.H.PET	0.275209221	0.281173028	0.2610223986
## Contrast_cooc.H.PET	0.789150032	0.784170613	0.7210370295
## Dissimilarity_cooc.H.PET	0.882252289	0.877248660	0.8177281263
## Inv_diff_cooc.H.PET	0.658397705	0.662936444	0.6436024704
## Inv_diff_norm_cooc.H.PET	0.988917521	0.986048775	0.9433822823
## IDM_cooc.H.PET	0.553290046	0.559301497	0.5443910431
## IDM_norm_cooc.H.PET	0.992440543	0.989298471	0.9454385804
## Inv_var_cooc_.H.PET	0.569926378	0.557435165	0.5047036082
## Correlation_cooc.H.PET	0.659142374	0.648250534	0.6451670798
## Autocorrelation_cooc.H.PET	0.908121927	0.911330340	0.8741834668
## Tendency_cooc.H.PET	0.824158271	0.812051995	0.7700392355
## Shade_cooc.H.PET	-0.422432938	-0.420990542	-0.3666209911
## Prominence_cooc.H.PET	0.612910636	0.599356990	0.5614160677
## IC1_d.H.PET	-0.128746241	-0.130546154	-0.1400946683
## IC2_d.H.PET	0.777922753	0.772232229	0.7439377856
## Coarseness_vdif.H.PET	0.402632459	0.396685653	0.3441335578

## Contrast_vdif.H.PET	0.289629425	0.298655870	0.2417179346
## Busyness_vdif.H.PET	0.109465648	0.114665283	0.2347804746
## Complexity_vdif.H.PET	0.656386861	0.652280565	0.5536498717
## Strength_vdif.H.PET	0.022612725	0.032756813	0.0039503884
## SRE_align.H.PET	0.970980180	0.965722026	0.9145253863
## LRE_align.H.PET	0.626280843	0.631901955	0.6239217381
## RLNU_align.H.PET	0.227720170	0.235244961	0.2666124058
## RP_align.H.PET	0.960177632	0.954742408	0.9009119040
## LGRE_align.H.PET	0.426420626	0.416663207	0.3699682390
## HGRE_align.H.PET	0.914039348	0.917181725	0.8769621652
## LGSRE_align.H.PET	0.423951949	0.414231386	0.3675799689
## HGSRE_align.H.PET	0.962415453	0.963824926	0.9135492774
## LGHRE_align.H.PET	0.439528087	0.429744963	0.3829167332
## HGLRE_align.H.PET	0.427226231	0.433102559	0.4322025391
## GLNU_norm_align.H.PET	0.496094093	0.504369318	0.4839169316
## RLNU_norm_align.H.PET	0.912278804	0.905706900	0.8488520951
## GLVAR_align.H.PET	0.828738278	0.818496727	0.7709623143
## RLVAR_align.H.PET	0.269610418	0.274893858	0.2893331232
## Entropy_align.H.PET	0.903301899	0.892236225	0.8576136439
## SZSE.H.PET	0.855926356	0.848792678	0.8142921197
## LZSE.H.PET	-0.063652417	-0.055021380	-0.0294291707
## LGLZE.H.PET	0.427214945	0.417182053	0.3709631346
## HGLZE.H.PET	0.854131473	0.864393812	0.8668231882
## SZLGE.H.PET	0.420507365	0.410646400	0.3652800201
## SZHGE.H.PET	0.830187736	0.835298727	0.8050309441
## LZLGE.H.PET	-0.002831560	0.003289982	0.0176036079
## LZHGE.H.PET	-0.054595905	-0.047433729	-0.0295398126
## GLNU_area.H.PET	0.255225646	0.269967209	0.3307847069
## ZSNU.H.PET	0.202800590	0.205422420	0.2280361364
## ZSP.H.PET	0.677126078	0.670511128	0.6349528989
## GLNU_norm.H.PET	0.511852430	0.515493565	0.4862896376
## ZSNU_norm.H.PET	0.730212598	0.724110224	0.6812912009
## GLVAR_area.H.PET	0.807037517	0.795249106	0.7547717347
## ZSVAR.H.PET	-0.060580150	-0.052833652	-0.0307231643
## Entropy_area.H.PET	0.944274441	0.935511688	0.9088414033
## Max_cooc.W.PET	0.326500237	0.330203350	0.2969009751
## Average_cooc.W.PET	0.541287957	0.521021737	0.4877994755
## Variance_cooc.W.PET	0.274381196	0.254318269	0.2368112232
## Entropy_cooc.W.PET	0.863291768	0.852346294	0.8116318971
## DAVE_cooc.W.PET	0.565720971	0.551754777	0.5077367930
## DVAR_cooc.W.PET	0.310656677	0.293904722	0.2632737239
## DENT_cooc.W.PET	0.847747851	0.838881336	0.7936953058
## SAVE_cooc.W.PET	0.540600931	0.520345716	0.4872092950
## SVAR_cooc.W.PET	0.246956898	0.226225782	0.2164856889
## SENT_cooc.W.PET	0.897384065	0.887229036	0.8380940201
## ASM_cooc.W.PET	0.354944267	0.355044720	0.3184408671
## Contrast_cooc.W.PET	0.321187220	0.304675167	0.2684523768
## Dissimilarity_cooc.W.PET	0.565720971	0.551754777	0.5077367930
## Inv_diff_cooc.W.PET	0.738325207	0.742877210	0.7177713423
## Inv_diff_norm_cooc.W.PET	0.986861575	0.984256669	0.9458949100
## IDM_cooc.W.PET	0.603555501	0.609265101	0.5913613497
## IDM_norm_cooc.W.PET	0.991496370	0.988250544	0.9468905070
## Inv_var_cooc.W.PET	0.673493187	0.677853151	0.6553178820
## Correlation_cooc.W.PET	0.647621500	0.638446719	0.6463934770

## Autocorrelation_cooc.W.PET	0.277089632	0.251351417	0.2297259400
## Tendency_cooc.W.PET	0.246956898	0.226225782	0.2164856889
## Shade_cooc.W.PET	0.044293643	0.029663086	0.0387913556
## Prominence_cooc.W.PET	0.015252225	-0.005359321	0.0000475859
## IC1_d.W.PET	-0.153178761	-0.158096064	-0.1562274403
## IC2_d.W.PET	0.846793470	0.844055588	0.7931660829
## Coarseness_vdif.W.PET	0.433948071	0.437766699	0.3395700715
## Contrast_vdif.W.PET	0.495464708	0.483204024	0.4190035128
## Busyness_vdif.W.PET	0.215025306	0.221338512	0.3010377677
## Complexity_vdif.W.PET	0.178568289	0.161807266	0.1536608148
## Strength_vdif.W.PET	0.247013890	0.257343426	0.2526796972
## SRE_align.W.PET	0.989289241	0.984945443	0.9362854284
## LRE_align.W.PET	0.857795718	0.858949220	0.8303863388
## GLNU_align.W.PET	0.245187144	0.264981906	0.3348328761
## RLNU_align.W.PET	0.227354252	0.236596611	0.2699944285
## RP_align.W.PET	0.985624907	0.981183203	0.9310070667
## LGRE_align.W.PET	0.479162553	0.489504390	0.4739904554
## HGRE_align.W.PET	0.280989661	0.255255075	0.2294756907
## LGSRE_align.W.PET	0.514929924	0.525107424	0.5060553825
## HGSRE_align.W.PET	0.276835894	0.251064585	0.2249756129
## LGHRE_align.W.PET	0.317790511	0.328371978	0.3278902128
## HGLRE_align.W.PET	0.297431368	0.271938649	0.2470754598
## GLNU_norm_align.W.PET	0.494004057	0.501411311	0.4757372570
## RLNU_norm_align.W.PET	0.968326883	0.963062906	0.9098828531
## GLVAR_align.W.PET	0.275914462	0.253970313	0.2345358957
## RLVAR_align.W.PET	0.341328581	0.344669127	0.3490616152
## Entropy_align.W.PET	0.906141487	0.895568454	0.8576386243
## SZSE.W.PET	0.939318892	0.934443687	0.8940265407
## LZSE.W.PET	0.124484513	0.129885174	0.1215868830
## LGLZE.W.PET	0.503840492	0.509346232	0.4935755531
## HGLZE.W.PET	0.284266452	0.259107899	0.2332620193
## SZLGE.W.PET	0.577294128	0.580143857	0.5580308932
## SZHGE.W.PET	0.271838007	0.247152397	0.2231737523
## LZLGE.W.PET	-0.007642681	0.002646575	0.0174993229
## LZHGE.W.PET	0.320821905	0.300067945	0.2488968467
## GLNU_area.W.PET	0.256167999	0.273881628	0.3433814883
## ZSNU.W.PET	0.217670927	0.223996630	0.2540424912
## ZSP.W.PET	0.871974031	0.867385600	0.8262281967
## GLNU_norm.W.PET	0.515121745	0.519507622	0.4896514024
## ZSNU_norm.W.PET	0.870228915	0.867596382	0.8141869301
## GLVAR_area.W.PET	0.279601454	0.257548183	0.2374165812
## ZSVAR.W.PET	0.036005288	0.041670058	0.0411057186
## Entropy_area.W.PET	0.940105117	0.930183371	0.8971429862
## Min_hist.ADC	0.359754790	0.362072721	0.2290200533
## Max_hist.ADC	0.850982653	0.863253699	0.9131618848
## Mean_hist.ADC	0.862230127	0.891665065	0.8229377213
## Variance_hist.ADC	0.395276891	0.428298910	0.5753505136
## Standard_Deviation_hist.ADC	0.682020667	0.707019849	0.8077571528
## Skewness_hist.ADC	0.222391400	0.146982150	0.2326204333
## Kurtosis_hist.ADC	0.302804958	0.262109599	0.1283639529
## Energy_hist.ADC	0.425232780	0.416746448	0.3526734629
## Entropy_hist.ADC	0.934169399	0.935326687	0.9513723092
## AUC_hist.ADC	0.963846466	0.950384370	0.9408429699
## Volume.ADC	0.299579622	0.294175508	0.3900541991

## X3D_surface.ADC	0.381104704	0.388185446	0.5465195879
## ratio_3ds_vol.ADC	0.675174249	0.673285729	0.5023182270
## ratio_3ds_vol_norm.ADC	0.925931982	0.921546900	0.9179448349
## irregularity.ADC	0.964606947	0.956152044	0.8718449865
## Compactness_v1.ADC	0.667896563	0.662023414	0.5954585261
##	SENT_cooc.H.ADC	ASM_cooc.H.ADC	Contrast_cooc.H.ADC
## Failure	1.320485e-03	0.0502135299	0.030477403
## Entropy_cooc.W.ADC	4.429707e-02	-0.0229249452	-0.049367481
## GLNU_align.H.PET	-2.925173e-02	0.0535965469	-0.127951765
## Min_hist.PET	5.276719e-01	0.0994584180	0.508204373
## Max_hist.PET	5.570630e-01	0.1148933354	0.476899395
## Mean_hist.PET	5.370606e-01	0.0959703238	0.504072391
## Variance_hist.PET	2.904322e-01	0.0335833921	0.266499370
## Standard_Deviation_hist.PET	5.552865e-01	0.1368920260	0.483356908
## Skewness_hist.PET	5.139237e-01	0.2887965457	0.378528761
## Kurtosis_hist.PET	1.405143e-01	0.1471207204	0.005273652
## Energy_hist.PET	3.842531e-01	0.9817496507	0.374366751
## Entropy_hist.PET	8.768771e-01	0.2655467378	0.631524437
## AUC_hist.PET	9.766627e-01	0.4766466510	0.793383741
## H_suv.PET	5.695793e-01	0.2384695211	0.491346783
## Volume.PET	3.907731e-01	-0.1640577385	0.136971753
## X3D_surface.PET	2.241935e-01	0.1036912224	0.091212210
## ratio_3ds_vol.PET	5.065971e-01	0.6284664018	0.553626792
## ratio_3ds_vol_norm.PET	5.496957e-01	0.6285034683	0.487339467
## irregularity.PET	9.373258e-01	0.4412927658	0.803193055
## tumor_length.PET	6.054857e-01	0.3125360579	0.397703663
## Compactness_v1.PET	5.164771e-01	0.9141316454	0.431065114
## Compactness_v2.PET	2.619373e-01	-0.2701444150	0.193545554
## Spherical_disproportion.PET	5.496957e-01	0.6285034683	0.487339467
## Sphericity.PET	2.720637e-01	-0.4173779256	0.164918356
## Asphericity.PET	5.276874e-01	0.6272182849	0.469794307
## Center_of_mass.PET	3.917183e-01	0.1603517155	0.214293325
## Max_3D_diam.PET	4.987638e-01	-0.1733495824	0.322232330
## Major_axis_length.PET	5.320484e-01	-0.0365145614	0.385435308
## Minor_axis_length.PET	6.827049e-01	0.1287099909	0.444371884
## Least_axis_length.PET	5.925505e-01	0.0083500276	0.352262607
## Elongation.PET	8.247449e-01	0.4766775411	0.694314087
## Flatness.PET	7.792551e-01	0.3727512351	0.604069477
## Max_cooc.L.PET	4.177512e-01	0.9931631448	0.370835838
## Average_cooc.L.PET	7.942521e-01	0.3418866594	0.719502926
## Variance_cooc.L.PET	6.176026e-01	0.3060138123	0.599978605
## Entropy_cooc.L.PET	9.766319e-01	0.3557280966	0.797733051
## DAVE_cooc.L.PET	7.222954e-01	0.3477201199	0.689691706
## DVAR_cooc.L.PET	6.261332e-01	0.3875469132	0.625430767
## DENT_cooc.L.PET	9.492711e-01	0.3953887207	0.813667647
## SAVE_cooc.L.PET	7.941164e-01	0.3407968327	0.719385473
## SVAR_cooc.L.PET	6.392775e-01	0.2881092149	0.588570918
## SENT_cooc.L.PET	9.541971e-01	0.4790760110	0.812711231
## ASM_cooc.L.PET	3.908468e-01	0.9993380971	0.347192465
## Contrast_cooc.L.PET	4.999800e-01	0.2929721309	0.537280146
## Dissimilarity_cooc.L.PET	7.222954e-01	0.3477201199	0.689691706
## Inv_diff_cooc.L.PET	8.368357e-01	0.5220200540	0.631336991
## Inv_diff_norm_cooc.L.PET	9.786764e-01	0.4345037368	0.793967910
## IDM_cooc.L.PET	7.428686e-01	0.5790267816	0.545969739

## IDM_norm_cooc.L.PET	9.817280e-01	0.4326770381	0.802224959
## Inv_var_cooc.L.PET	7.522625e-01	0.5763608671	0.544873932
## Correlation_cooc.L.PET	6.744962e-01	0.2926095128	0.480464617
## Autocorrelation_cooc.L.PET	5.896650e-01	0.2859161231	0.558019523
## Tendency_cooc.L.PET	6.392775e-01	0.2881092149	0.588570918
## Shade_cooc.L.PET	3.252097e-01	0.1025155906	0.278052141
## Prominence_cooc.L.PET	4.423003e-01	0.2267590467	0.431550819
## IC1_.L.PET	-3.112219e-01	0.0683557170	-0.427356681
## IC2_.L.PET	8.583281e-01	0.5031181781	0.803956655
## Coarseness_vdif_.L.PET	4.140450e-01	0.9173312796	0.433621385
## Contrast_vdif_.L.PET	1.665070e-01	0.2118773913	0.279411111
## Busyness_vdif_.L.PET	3.514999e-01	-0.0513663430	0.103918632
## Complexity_vdif_.L.PET	6.643095e-01	0.4135254506	0.660516493
## Strength_vdif_.L.PET	2.245220e-01	0.2930537340	0.330528930
## SRE_align.L.PET	9.806403e-01	0.4400063137	0.812512402
## LRE_align.L.PET	9.730011e-01	0.4207733556	0.796066672
## GLNU_align.L.PET	2.819600e-01	-0.0404665401	0.099078459
## RLNU_align.L.PET	2.580661e-01	-0.0952500055	0.108732324
## RP_align.L.PET	9.800481e-01	0.4402366910	0.813704449
## LGRE_align.L.PET	5.851377e-01	0.6523728435	0.468395361
## HGRE_align.L.PET	6.065644e-01	0.2981192089	0.588274400
## LGSRE_align.L.PET	5.898018e-01	0.6629527829	0.474181573
## HGSRE_align.L.PET	6.048570e-01	0.2995093677	0.587695095
## LGHRE_align.L.PET	5.635079e-01	0.6088605114	0.443744365
## HGLRE_align.L.PET	6.115286e-01	0.2912580542	0.589168632
## GLNU_norm_align.L.PET	6.266324e-01	0.8931412874	0.514551006
## RLNU_norm_align.L.PET	9.775677e-01	0.4418443182	0.816888372
## GLVAR_align.L.PET	6.492472e-01	0.3118857692	0.619764029
## RLVAR_align.L.PET	6.102417e-01	0.8151210843	0.464212660
## Entropy_align.L.PET	9.776798e-01	0.3698673653	0.807346672
## SZSE.L.PET	9.643389e-01	0.4460457231	0.786243036
## LZSE.L.PET	6.621211e-01	0.2594800113	0.569188520
## LGLZE.L.PET	5.966478e-01	0.6649570969	0.479188197
## HGLZE.L.PET	6.157906e-01	0.3002524936	0.596099018
## SZLGE.L.PET	6.075770e-01	0.6967634472	0.490157300
## SZHGE.L.PET	6.143860e-01	0.3076908510	0.582919112
## LZLGE.L.PET	4.677986e-01	0.4693559378	0.353224921
## LZHGE.L.PET	4.906898e-01	0.2110465947	0.519343348
## GLNU_area.L.PET	2.854486e-01	-0.0473733418	0.099571781
## ZSNU.L.PET	2.616140e-01	-0.1051822202	0.107932850
## ZSP.L.PET	9.676769e-01	0.4436566655	0.799564451
## GLNU_norm.L.PET	6.273469e-01	0.8969734659	0.515334448
## ZSNU_norm.L.PET	9.635128e-01	0.4449530677	0.812460965
## GLVAR_area.L.PET	6.604562e-01	0.3195955645	0.630377001
## ZSVAR.L.PET	4.311260e-01	0.3255201902	0.307259782
## Entropy_area.L.PET	9.796878e-01	0.3671378267	0.801588905
## Max_cooc.H.PET	2.744697e-01	0.3989083635	0.227596177
## Average_cooc.H.PET	9.517647e-01	0.4099919983	0.780301628
## Variance_cooc.H.PET	8.512476e-01	0.3033210328	0.727862179
## Entropy_cooc.H.PET	8.295712e-01	0.2538416773	0.731522887
## DAVE_cooc.H.PET	8.599365e-01	0.3368670737	0.749898994
## DVAR_cooc.H.PET	8.343152e-01	0.3490118501	0.721204523
## DENT_cooc.H.PET	7.679487e-01	0.1890225586	0.600574968
## SAVE_cooc.H.PET	9.578841e-01	0.3911006663	0.775264928

## SVAR_cooc.H.PET	8.394980e-01	0.3117767427	0.664238995
## SENT_cooc.H.PET	6.650664e-01	0.5848083463	0.610424139
## ASM_cooc.H.PET	2.602247e-01	0.4928976098	0.213795449
## Contrast_cooc.H.PET	7.626485e-01	0.3092179164	0.685313787
## Dissimilarity_cooc.H.PET	8.599365e-01	0.3368670737	0.749898994
## Inv_diff_cooc.H.PET	6.495568e-01	0.4493658510	0.505964468
## Inv_diff_norm_cooc.H.PET	9.775955e-01	0.4468152682	0.800976879
## IDM_cooc.H.PET	5.442621e-01	0.4246106869	0.418390371
## IDM_norm_cooc.H.PET	9.806584e-01	0.4392455396	0.805936025
## Inv_var_cooc_.H.PET	5.587194e-01	0.8850305601	0.496599940
## Correlation_cooc.H.PET	6.803355e-01	0.2937098518	0.504145533
## Autocorrelation_cooc.H.PET	8.923247e-01	0.4086366145	0.724500252
## Tendency_cooc.H.PET	8.229856e-01	0.2728789635	0.685755729
## Shade_cooc.H.PET	-3.994543e-01	-0.1646514691	-0.373262013
## Prominence_cooc.H.PET	6.143948e-01	0.1632783866	0.523011166
## IC1_d.H.PET	-1.396069e-01	0.3870584027	-0.087351997
## IC2_d.H.PET	7.802720e-01	0.3433072287	0.622990582
## Coarseness_vdif.H.PET	3.816430e-01	0.9951283733	0.353193829
## Contrast_vdif.H.PET	2.463597e-01	0.2612778309	0.267044443
## Busyness_vdif.H.PET	1.862082e-01	-0.4050650542	-0.062548000
## Complexity_vdif.H.PET	6.070832e-01	0.6628893879	0.604881337
## Strength_vdif.H.PET	8.992328e-05	0.1123206423	0.041306146
## SRE_align.H.PET	9.563924e-01	0.4167544191	0.804348805
## LRE_align.H.PET	6.237929e-01	0.3018157710	0.469018718
## RLNU_align.H.PET	2.583601e-01	-0.0833027735	0.124685714
## RP_align.H.PET	9.437312e-01	0.4119990432	0.800603616
## LGRE_align.H.PET	4.124462e-01	0.9943189984	0.368347352
## HGRE_align.H.PET	8.962918e-01	0.4032818066	0.735094258
## LGSRE_align.H.PET	4.099206e-01	0.9945689627	0.366400020
## HGSRE_align.H.PET	9.406066e-01	0.4016981181	0.789661754
## LGHRE_align.H.PET	4.258036e-01	0.9931407256	0.378167199
## HGLRE_align.H.PET	4.260607e-01	0.2335445589	0.309896253
## GLNU_norm_align.H.PET	4.793176e-01	0.4400161441	0.380972271
## RLNU_norm_align.H.PET	8.945636e-01	0.3858675375	0.771336510
## GLVAR_align.H.PET	8.204044e-01	0.2810920612	0.696841809
## RLVAR_align.H.PET	2.777326e-01	0.2045570053	0.168046989
## Entropy_align.H.PET	9.052416e-01	0.2961992965	0.740990119
## SZSE.H.PET	8.498439e-01	0.3570882610	0.707920234
## LZSE.H.PET	-5.931479e-02	-0.0639667466	-0.084002682
## LGLZE.H.PET	4.136853e-01	0.9924949570	0.368628582
## HGLZE.H.PET	8.514089e-01	0.3408524673	0.634375512
## SZLGE.H.PET	4.072177e-01	0.9934386865	0.362298421
## SZHGE.H.PET	8.121388e-01	0.3062847076	0.674831068
## LZLGE.H.PET	-2.587325e-03	0.0711839940	-0.025535012
## LZHGE.H.PET	-5.199087e-02	-0.0220755655	-0.066852819
## GLNU_area.H.PET	2.994593e-01	-0.0997910528	0.095147863
## ZSNU.H.PET	2.284722e-01	-0.0898442240	0.131959942
## ZSP.H.PET	6.681688e-01	0.2493058693	0.576092623
## GLNU_norm.H.PET	4.947476e-01	0.4452885844	0.407078814
## ZSNU_norm.H.PET	7.150398e-01	0.2933622873	0.627186286
## GLVAR_area.H.PET	8.022524e-01	0.2701762832	0.674635270
## ZSVAR_H.PET	-5.735972e-02	-0.0405847057	-0.076437705
## Entropy_area.H.PET	9.510848e-01	0.3364523925	0.752633032
## Max_cooc.W.PET	3.055862e-01	0.6267686216	0.271891834

## Average_cooc.W.PET	5.463509e-01	0.1095811620	0.484318118
## Variance_cooc.W.PET	2.882081e-01	0.0427127331	0.260578946
## Entropy_cooc.W.PET	8.606258e-01	0.2679285930	0.720747893
## DAVE_cooc.W.PET	5.580337e-01	0.1419909599	0.512172288
## DVAR_cooc.W.PET	3.097826e-01	0.0398937628	0.308205985
## DENT_cooc.W.PET	8.391270e-01	0.2823880431	0.714307204
## SAVE_cooc.W.PET	5.456963e-01	0.1075521089	0.483731934
## SVAR_cooc.W.PET	2.674856e-01	0.0424064334	0.227307117
## SENT_cooc.W.PET	8.897253e-01	0.3935889451	0.749522584
## ASM_cooc.W.PET	3.370183e-01	0.8057801108	0.294529894
## Contrast_cooc.W.PET	3.162508e-01	0.0384390465	0.323998074
## Dissimilarity_cooc.W.PET	5.580337e-01	0.1419909599	0.512172288
## Inv_diff_cooc.W.PET	7.266684e-01	0.4656715439	0.572772889
## Inv_diff_norm_cooc.W.PET	9.785078e-01	0.4364463851	0.795057321
## IDM_cooc.W.PET	5.932507e-01	0.4359177902	0.459549439
## IDM_norm_cooc.W.PET	9.815188e-01	0.4336229521	0.802984980
## Inv_var_cooc.W.PET	6.632570e-01	0.4687379408	0.518176724
## Correlation_cooc.W.PET	6.745120e-01	0.2906706088	0.479144004
## Autocorrelation_cooc.W.PET	2.904563e-01	0.0027693513	0.278438612
## Tendency_cooc.W.PET	2.674856e-01	0.0424064334	0.227307117
## Shade_cooc.W.PET	7.338564e-02	0.0456749840	0.027803479
## Prominence_cooc.W.PET	4.637045e-02	0.0184112636	0.015840172
## IC1_d.W.PET	-1.525007e-01	0.4527559838	-0.123251542
## IC2_d.W.PET	8.324940e-01	0.4002291927	0.701878827
## Coarseness_vdif.W.PET	3.733492e-01	0.8435369394	0.428904417
## Contrast_vdif.W.PET	4.707605e-01	0.2692162610	0.475042636
## Busyness_vdif.W.PET	2.642415e-01	-0.0912486394	0.046390540
## Complexity_vdif.W.PET	1.960027e-01	0.0281373451	0.172408398
## Strength_vdif.W.PET	2.334206e-01	0.1900765658	0.197288893
## SRE_align.W.PET	9.756563e-01	0.4296754285	0.812618812
## LRE_align.W.PET	8.491816e-01	0.3938259816	0.676331710
## GLNU_align.W.PET	2.907753e-01	-0.0944733154	0.062768462
## RLNU_align.W.PET	2.584346e-01	-0.0847406646	0.117376026
## RP_align.W.PET	9.710505e-01	0.4267619867	0.812249203
## LGRE_align.W.PET	4.625430e-01	0.4194007860	0.364576289
## HGRE_align.W.PET	2.918665e-01	-0.0046941919	0.287811816
## LGSRE_align.W.PET	4.966084e-01	0.4496648606	0.395862875
## HGSRE_align.W.PET	2.874605e-01	-0.0060470353	0.285367729
## LGHRE_align.W.PET	3.089481e-01	0.2848474305	0.225773517
## HGLRE_align.W.PET	3.090792e-01	0.0005626488	0.297480502
## GLNU_norm_align.W.PET	4.749293e-01	0.5422419129	0.385304520
## RLNU_norm_align.W.PET	9.526705e-01	0.4136479299	0.804934179
## GLVAR_align.W.PET	2.903423e-01	0.0313905721	0.266471969
## RLVAR_align.W.PET	3.450466e-01	0.3462871727	0.235543177
## Entropy_align.W.PET	9.057199e-01	0.2968844536	0.746859678
## SZSE.W.PET	9.297403e-01	0.4116455130	0.770510323
## LZSE.W.PET	1.158251e-01	0.0952686413	0.093729703
## LGLZE.W.PET	4.920243e-01	0.4435574244	0.386839755
## HGLZE.W.PET	2.949210e-01	-0.0032694941	0.289582434
## SZLGE.W.PET	5.644136e-01	0.5279493630	0.454570102
## SZHGE.W.PET	2.826715e-01	-0.0061499043	0.278728787
## LZLGE.W.PET	-1.034854e-02	0.0172032489	-0.030435061
## LZHGE.W.PET	3.169809e-01	0.0420947214	0.326091297
## GLNU_area.W.PET	3.034307e-01	-0.0959760144	0.077439321

## ZSNU.W.PET	2.473186e-01	-0.0850122054	0.123252298
## ZSP.W.PET	8.607264e-01	0.3558911743	0.722833702
## GLNU_norm.W.PET	4.955557e-01	0.5599279663	0.409957045
## ZSNU_norm.W.PET	8.488520e-01	0.3608608356	0.735775967
## GLVAR_area.W.PET	2.941196e-01	0.0365705793	0.269643195
## ZSVAR.W.PET	3.066570e-02	0.0609808965	0.019062562
## Entropy_area.W.PET	9.435052e-01	0.3223786157	0.761708560
## Min_hist.ADC	2.880903e-01	0.1907045289	0.437221598
## Max_hist.ADC	8.802602e-01	0.3349037352	0.564788850
## Mean_hist.ADC	8.070276e-01	0.3393051131	0.701129523
## Variance_hist.ADC	4.465246e-01	0.2576935251	0.090618817
## Standard_Deviation_hist.ADC	7.165457e-01	0.3358447924	0.371206370
## Skewness_hist.ADC	3.530364e-01	0.1229443518	0.140728227
## Kurtosis_hist.ADC	2.964128e-01	0.1018987303	0.395972895
## Energy_hist.ADC	4.021155e-01	0.9942132067	0.386584856
## Entropy_hist.ADC	9.497838e-01	0.3574241749	0.684405767
## AUC_hist.ADC	9.827150e-01	0.4441835347	0.752049553
## Volume.ADC	3.794476e-01	-0.1699477566	0.118129006
## X3D_surface.ADC	4.847790e-01	0.0794066400	0.077248954
## ratio_3ds_vol.ADC	5.831996e-01	0.4653733365	0.727477505
## ratio_3ds_vol_norm.ADC	9.416353e-01	0.3382818126	0.705295564
## irregularity.ADC	9.338447e-01	0.4427166893	0.841853140
## Compactness_v1.ADC	6.403252e-01	0.9325816281	0.576963092
##	Dissimilarity_cooc.H.ADC	Inv_diff_cooc.H.ADC	
## Failure	0.02724605	-0.0243055490	
## Entropy_cooc.W.ADC	-0.03372833	0.0895652935	
## GLNU_align.H.PET	-0.10923509	0.0413467825	
## Min_hist.PET	0.53826120	0.4364373742	
## Max_hist.PET	0.51935946	0.4843710422	
## Mean_hist.PET	0.53620863	0.4375684426	
## Variance_hist.PET	0.27562638	0.2135437885	
## Standard_Deviation_hist.PET	0.52360441	0.4697412516	
## Skewness_hist.PET	0.43915787	0.5719880070	
## Kurtosis_hist.PET	0.03932559	0.2687505964	
## Energy_hist.PET	0.40562517	0.5947497803	
## Entropy_hist.PET	0.74799229	0.8237121057	
## AUC_hist.PET	0.90340451	0.9367042175	
## H_suv.PET	0.53769947	0.5154870201	
## Volume.PET	0.21447297	0.3036933842	
## X3D_surface.PET	0.13805099	0.2682683379	
## ratio_3ds_vol.PET	0.57711134	0.5804808542	
## ratio_3ds_vol_norm.PET	0.53215059	0.6442586878	
## irregularity.PET	0.90128638	0.8861112114	
## tumor_length.PET	0.48375400	0.6354450283	
## Compactness_v1.PET	0.48377583	0.6877061467	
## Compactness_v2.PET	0.22036887	0.1304987789	
## Spherical_disproportion.PET	0.53215059	0.6442586878	
## Sphericity.PET	0.20644595	0.0983918098	
## Asphericity.PET	0.51192069	0.6263199359	
## Center_of_mass.PET	0.27440160	0.4067834919	
## Max_3D_diam.PET	0.39107854	0.3739735720	
## Major_axis_length.PET	0.44651149	0.4350611523	
## Minor_axis_length.PET	0.54034038	0.6372304889	
## Least_axis_length.PET	0.44632550	0.5204863446	

## Elongation.PET	0.78471355	0.8208267205
## Flatness.PET	0.70892391	0.7483676257
## Max_cooc.L.PET	0.41045434	0.6358148108
## Average_cooc.L.PET	0.79744410	0.6895916112
## Variance_cooc.L.PET	0.65603634	0.5322864803
## Entropy_cooc.L.PET	0.90433207	0.8832450000
## DAVE_cooc.L.PET	0.75333762	0.6437850866
## DVAR_cooc.L.PET	0.66828345	0.5979845208
## DENT_cooc.L.PET	0.91187818	0.8675474531
## SAVE_cooc.L.PET	0.79731669	0.6891386198
## SVAR_cooc.L.PET	0.65335694	0.5419854178
## SENT_cooc.L.PET	0.91241338	0.8945105542
## ASM_cooc.L.PET	0.38355185	0.6137698830
## Contrast_cooc.L.PET	0.57192414	0.4450915092
## Dissimilarity_cooc.L.PET	0.75333762	0.6437850866
## Inv_diff_cooc.L.PET	0.73344537	0.8735948096
## Inv_diff_norm_cooc.L.PET	0.90314351	0.9276098997
## IDM_cooc.L.PET	0.63978218	0.8249442423
## IDM_norm_cooc.L.PET	0.91075579	0.9257561939
## Inv_var_cooc.L.PET	0.63992245	0.8329364494
## Correlation_cooc.L.PET	0.57025663	0.6355001605
## Autocorrelation_cooc.L.PET	0.61530597	0.4952002573
## Tendency_cooc.L.PET	0.65335694	0.5419854178
## Shade_cooc.L.PET	0.30781580	0.2800126544
## Prominence_cooc.L.PET	0.47431415	0.3717986695
## IC1_.L.PET	-0.43792639	-0.1689869993
## IC2_.L.PET	0.88023193	0.8046711854
## Coarseness_vdif_.L.PET	0.46265090	0.5829093813
## Contrast_vdif_.L.PET	0.28034732	0.1720402610
## Busyness_vdif_.L.PET	0.18273512	0.3368706854
## Complexity_vdif_.L.PET	0.71230538	0.6356760772
## Strength_vdif_.L.PET	0.33580869	0.2511030818
## SRE_align.L.PET	0.91894929	0.9215310944
## LRE_align.L.PET	0.90413859	0.9188298932
## GLNU_align.L.PET	0.15726648	0.2792059784
## RLNU_align.L.PET	0.15850447	0.2212397795
## RP_align.L.PET	0.91976912	0.9204132087
## LGRE_align.L.PET	0.53531005	0.7160622626
## HGRE_align.L.PET	0.64241681	0.5110552605
## LGSRE_align.L.PET	0.54104752	0.7213034987
## HGSRE_align.L.PET	0.64133992	0.5099193412
## LGHRE_align.L.PET	0.51011833	0.6916389535
## HGLRE_align.L.PET	0.64503541	0.5139789314
## GLNU_norm_align.L.PET	0.58435976	0.8035620499
## RLNU_norm_align.L.PET	0.92162585	0.9164140493
## GLVAR_align.L.PET	0.68010770	0.5571615979
## RLVAR_align.L.PET	0.53774838	0.7686524963
## Entropy_align.L.PET	0.91289207	0.8860553572
## SZSE.L.PET	0.89284602	0.9100740563
## LZSE.L.PET	0.63953657	0.6265407279
## LGLZE.L.PET	0.54661884	0.7283582380
## HGLZE.L.PET	0.65098300	0.5199940488
## SZLGE.L.PET	0.55747876	0.7412849285
## SZHGE.L.PET	0.63931272	0.5247735174

## LZLGE.L.PET	0.41250462	0.5853180201
## LZHGE.L.PET	0.55713825	0.3934300164
## GLNU_area.L.PET	0.15872481	0.2782206051
## ZSNU.L.PET	0.15897966	0.2197331839
## ZSP.L.PET	0.90471502	0.9088680692
## GLNU_norm.L.PET	0.58501291	0.8043213850
## ZSNU_norm.L.PET	0.91461219	0.9025015011
## GLVAR_area.L.PET	0.69084530	0.5679292487
## ZSVAR.L.PET	0.36544564	0.4923584906
## Entropy_area.L.PET	0.90868008	0.8907698199
## Max_cooc.H.PET	0.26871557	0.3429716911
## Average_cooc.H.PET	0.88962585	0.8938596547
## Variance_cooc.H.PET	0.81010992	0.7627632187
## Entropy_cooc.H.PET	0.80473110	0.7247118093
## DAVE_cooc.H.PET	0.83160298	0.7869075957
## DVAR_cooc.H.PET	0.80382392	0.7707774367
## DENT_cooc.H.PET	0.68822297	0.7136684865
## SAVE_cooc.H.PET	0.88801570	0.9035414581
## SVAR_cooc.H.PET	0.76149551	0.7852104762
## SENT_cooc.H.PET	0.66067483	0.7003408541
## ASM_cooc.H.PET	0.25417202	0.3497787353
## Contrast_cooc.H.PET	0.75337267	0.6940244399
## Dissimilarity_cooc.H.PET	0.83160298	0.7869075957
## Inv_diff_cooc.H.PET	0.59350780	0.6648948950
## Inv_diff_norm_cooc.H.PET	0.90985488	0.9242372357
## IDM_cooc.H.PET	0.49594983	0.5730456135
## IDM_norm_cooc.H.PET	0.91412974	0.9241771927
## Inv_var_cooc_.H.PET	0.53900813	0.7124715326
## Correlation_cooc.H.PET	0.58918080	0.6341606080
## Autocorrelation_cooc.H.PET	0.83195677	0.8459568542
## Tendency_cooc.H.PET	0.76831345	0.7316454441
## Shade_cooc.H.PET	-0.41212186	-0.3540847944
## Prominence_cooc.H.PET	0.57895399	0.5250825788
## IC1_d.H.PET	-0.11553457	0.0201825918
## IC2_d.H.PET	0.71239820	0.7275363879
## Coarseness_vdif.H.PET	0.38650533	0.5976047046
## Contrast_vdif.H.PET	0.29332090	0.2611509471
## Busyness_vdif.H.PET	0.01458641	0.0664521995
## Complexity_vdif.H.PET	0.64586055	0.6733390162
## Strength_vdif.H.PET	0.04362238	0.0053684586
## SRE_align.H.PET	0.90223861	0.8946580159
## LRE_align.H.PET	0.55697343	0.6051892806
## RLNU_align.H.PET	0.16763070	0.2186116130
## RP_align.H.PET	0.89524212	0.8812957758
## LGRE_align.H.PET	0.40511496	0.6223517899
## HGRE_align.H.PET	0.84029177	0.8463588565
## LGSRE_align.H.PET	0.40286396	0.6204456674
## HGSRE_align.H.PET	0.89154813	0.8814535819
## LGHRE_align.H.PET	0.41679259	0.6327319123
## HGLRE_align.H.PET	0.37681955	0.4184072366
## GLNU_norm_align.H.PET	0.44955107	0.5228468611
## RLNU_norm_align.H.PET	0.85592734	0.8314830274
## GLVAR_align.H.PET	0.77665232	0.7343286962
## RLVAR_align.H.PET	0.22108393	0.3003403572

## Entropy_align.H.PET	0.83388957	0.8145521007
## SZSE.H.PET	0.79034876	0.7999825567
## LZSE.H.PET	-0.07825975	-0.0456684261
## LGLZE.H.PET	0.40574265	0.6223057998
## HGLZE.H.PET	0.75043273	0.8280284457
## SZLGE.H.PET	0.39895708	0.6180235264
## SZHGE.H.PET	0.75809184	0.7745639622
## LZLGE.H.PET	-0.01747314	0.0378685914
## LZHGE.H.PET	-0.06315883	-0.0377943729
## GLNU_area.H.PET	0.16268690	0.2715888438
## ZSNU.H.PET	0.16098323	0.1783250412
## ZSP.H.PET	0.63379603	0.6158781994
## GLNU_norm.H.PET	0.47307433	0.5247767301
## ZSNU_norm.H.PET	0.68711663	0.6663017845
## GLVAR_area.H.PET	0.75367345	0.7180015096
## ZSVAR_H.PET	-0.07312931	-0.0390070151
## Entropy_area.H.PET	0.85949354	0.8719618982
## Max_cooc.W.PET	0.30953237	0.4233508311
## Average_cooc.W.PET	0.52279210	0.4438610098
## Variance_cooc.W.PET	0.27154812	0.2171742806
## Entropy_cooc.W.PET	0.80336628	0.7686991634
## DAVE_cooc.W.PET	0.54923527	0.4697087845
## DVAR_cooc.W.PET	0.31635968	0.2326421221
## DENT_cooc.W.PET	0.79228067	0.7571752788
## SAVE_cooc.W.PET	0.52214396	0.4427271233
## SVAR_cooc.W.PET	0.23922183	0.2035861130
## SENT_cooc.W.PET	0.83625234	0.8288235721
## ASM_cooc.W.PET	0.33491250	0.5024341660
## Contrast_cooc.W.PET	0.33146860	0.2326005000
## Dissimilarity_cooc.W.PET	0.54923527	0.4697087845
## Inv_diff_cooc.W.PET	0.66828907	0.7331656326
## Inv_diff_norm_cooc.W.PET	0.90405451	0.9275859776
## IDM_cooc.W.PET	0.54289396	0.6157201503
## IDM_norm_cooc.W.PET	0.91130263	0.9257543140
## Inv_var_cooc.W.PET	0.60709297	0.6846614645
## Correlation_cooc.W.PET	0.56901116	0.6357854554
## Autocorrelation_cooc.W.PET	0.28440072	0.1949651092
## Tendency_cooc.W.PET	0.23922183	0.2035861130
## Shade_cooc.W.PET	0.03157525	0.0653199708
## Prominence_cooc.W.PET	0.01269779	0.0231426626
## IC1_d.W.PET	-0.14760948	0.0321246698
## IC2_d.W.PET	0.79039497	0.7806439609
## Coarseness_vdif.W.PET	0.45074144	0.5239410811
## Contrast_vdif.W.PET	0.50233491	0.4179084224
## Busyness_vdif.W.PET	0.13036924	0.2070121245
## Complexity_vdif.W.PET	0.17520851	0.1507761177
## Strength_vdif.W.PET	0.22203200	0.2671877502
## SRE_align.W.PET	0.91582261	0.9155400340
## LRE_align.W.PET	0.78100360	0.8068087509
## GLNU_align.W.PET	0.14064574	0.2777274408
## RLNU_align.W.PET	0.16342256	0.2218022403
## RP_align.W.PET	0.91390375	0.9102736596
## LGRE_align.W.PET	0.43004673	0.5131831522
## HGRE_align.W.PET	0.29147327	0.1927458993

## LGSRE_align.W.PET	0.46370738	0.5512274752
## HGSRE_align.W.PET	0.28816508	0.1884879539
## LGHRE_align.W.PET	0.27824050	0.3449754516
## HGLRE_align.W.PET	0.30458924	0.2094082499
## GLNU_norm_align.W.PET	0.45096502	0.5477790215
## RLNU_norm_align.W.PET	0.90115673	0.8904067375
## GLVAR_align.W.PET	0.27547938	0.2130838653
## RLVAR_align.W.PET	0.29350961	0.3903628224
## Entropy_align.W.PET	0.83857333	0.8147609599
## SZSE.W.PET	0.86630899	0.8796894679
## LZSE.W.PET	0.11375758	0.1169171450
## LGLZE.W.PET	0.45305468	0.5410736918
## HGLZE.W.PET	0.29384939	0.1966734030
## SZLGE.W.PET	0.52200995	0.6300894737
## SZHGE.W.PET	0.28190608	0.1866921246
## LZLGE.W.PET	-0.01716278	0.0005641605
## LZHGE.W.PET	0.33321321	0.2255365578
## GLNU_area.W.PET	0.15331702	0.2847492175
## ZSNU.W.PET	0.16227038	0.2058614294
## ZSP.W.PET	0.80784860	0.8071640719
## GLNU_norm.W.PET	0.47474055	0.5650002792
## ZSNU_norm.W.PET	0.81381579	0.7987173507
## GLVAR_area.W.PET	0.27879053	0.2178705773
## ZSVAR.W.PET	0.02831275	0.0446365549
## Entropy_area.W.PET	0.86328707	0.8553196468
## Min_hist.ADC	0.42978456	0.2082378469
## Max_hist.ADC	0.69787531	0.9027679609
## Mean_hist.ADC	0.78676716	0.8126555140
## Variance_hist.ADC	0.21329834	0.5993319975
## Standard_Deviation_hist.ADC	0.51020785	0.8037169933
## Skewness_hist.ADC	0.19566236	0.1986285597
## Kurtosis_hist.ADC	0.34801620	0.2168329081
## Energy_hist.ADC	0.41801393	0.6006119915
## Entropy_hist.ADC	0.80987827	0.9248379865
## AUC_hist.ADC	0.87131574	0.9196993958
## Volume.ADC	0.19737548	0.2956541003
## X3D_surface.ADC	0.19808523	0.5418645760
## ratio_3ds_vol.ADC	0.74583374	0.5031967074
## ratio_3ds_vol_norm.ADC	0.82115779	0.8856822298
## irregularity.ADC	0.93033138	0.8409397967
## Compactness_v1.ADC	0.63780163	0.7803534959
##	Inv_diff_norm_cooc.H.ADC	IDM_cooc.H.ADC
## Failure	-0.0027824766	-0.0287251742
## Entropy_cooc.W.ADC	0.0371582655	0.1057173521
## GLNU_align.H.PET	-0.0286852755	0.0692340638
## Min_hist.PET	0.5207512804	0.3783121916
## Max_hist.PET	0.5428160671	0.4336268672
## Mean_hist.PET	0.5216212536	0.3791944435
## Variance_hist.PET	0.2577428453	0.1846072504
## Standard_Deviation_hist.PET	0.5336019390	0.4193431165
## Skewness_hist.PET	0.5465017206	0.5587455751
## Kurtosis_hist.PET	0.1719329965	0.2998876885
## Energy_hist.PET	0.4530559778	0.6849294735
## Entropy_hist.PET	0.8782795669	0.7508316104

## AUC_hist.PET	0.9951473797	0.8710956816
## H_suv.PET	0.5603346938	0.4762038007
## Volume.PET	0.3400134899	0.2445306562
## X3D_surface.PET	0.2346636372	0.2658628706
## ratio_3ds_vol.PET	0.5674280053	0.5899116399
## ratio_3ds_vol_norm.PET	0.5878790775	0.6674622735
## irregularity.PET	0.9642225672	0.8136181038
## tumor_length.PET	0.6151618884	0.6140966178
## Compactness_v1.PET	0.5627258844	0.7576979062
## Compactness_v2.PET	0.2272939247	0.0583603817
## Spherical_disproportion.PET	0.5878790775	0.6674622735
## Sphericity.PET	0.2277598419	0.0003834819
## Asphericity.PET	0.5661267882	0.6526092494
## Center_of_mass.PET	0.3836488711	0.3924956180
## Max_3D_diam.PET	0.4641584989	0.2894304144
## Major_axis_length.PET	0.5070644486	0.3659649626
## Minor_axis_length.PET	0.6695200648	0.5788680806
## Least_axis_length.PET	0.5673197742	0.4557766446
## Elongation.PET	0.8580673464	0.7748280389
## Flatness.PET	0.7965526659	0.6941323251
## Max_cooc.L.PET	0.4812783205	0.7288895952
## Average_cooc.L.PET	0.8008915203	0.6114797523
## Variance_cooc.L.PET	0.6348379766	0.4666100888
## Entropy_cooc.L.PET	0.9766432199	0.7976192895
## DAVE_cooc.L.PET	0.7462625010	0.5730280603
## DVAR_cooc.L.PET	0.6611250259	0.5522722180
## DENT_cooc.L.PET	0.9642365967	0.7847726361
## SAVE_cooc.L.PET	0.8006847308	0.6108708738
## SVAR_cooc.L.PET	0.6450090987	0.4733862267
## SENT_cooc.L.PET	0.9708980192	0.8251605623
## ASM_cooc.L.PET	0.4524381703	0.7123059932
## Contrast_cooc.L.PET	0.5331481968	0.3928607457
## Dissimilarity_cooc.L.PET	0.7462625010	0.5730280603
## Inv_diff_cooc.L.PET	0.8619504161	0.8476417320
## Inv_diff_norm_cooc.L.PET	0.9936817593	0.8564490392
## IDM_cooc.L.PET	0.7760153445	0.8236063890
## IDM_norm_cooc.L.PET	0.9965844363	0.8525011778
## Inv_var_cooc.L.PET	0.7812659145	0.8320833036
## Correlation_cooc.L.PET	0.6624968807	0.5936433704
## Autocorrelation_cooc.L.PET	0.5939237166	0.4340261393
## Tendency_cooc.L.PET	0.6450090987	0.4733862267
## Shade_cooc.L.PET	0.3215753336	0.2458644007
## Prominence_cooc.L.PET	0.4528872330	0.3224402883
## IC1_.L.PET	-0.3357280941	-0.0786433159
## IC2_.L.PET	0.8896234627	0.7425446486
## Coarseness_vdif_.L.PET	0.4825403118	0.6511112111
## Contrast_vdif_.L.PET	0.2215849599	0.1522184516
## Busyness_vdif_.L.PET	0.3318520456	0.3005762819
## Complexity_vdif_.L.PET	0.7069130147	0.5851105363
## Strength_vdif_.L.PET	0.2875879451	0.2377544832
## SRE_align.L.PET	0.9968494846	0.8472302649
## LRE_align.L.PET	0.9904155427	0.8448132648
## GLNU_align.L.PET	0.2727977554	0.2518719410
## RLNU_align.L.PET	0.2420648596	0.1833134165

## RP_align.L.PET	0.9964630913	0.8459108492
## LGRE_align.L.PET	0.6408624139	0.7407031629
## HGRE_align.L.PET	0.6140732933	0.4478978989
## LGSRE_align.L.PET	0.6455452901	0.7466600015
## HGSRE_align.L.PET	0.6125210893	0.4471378626
## LGHRE_align.L.PET	0.6187363843	0.7136525152
## HGLRE_align.L.PET	0.6185054762	0.4494267514
## GLNU_norm_align.L.PET	0.6912464341	0.8559706005
## RLNU_norm_align.L.PET	0.9944351687	0.8415282498
## GLVAR_align.L.PET	0.6619838411	0.4894341520
## RLVAR_align.L.PET	0.6564056036	0.8181704675
## Entropy_align.L.PET	0.9805267569	0.8010851152
## SZSE.L.PET	0.9762218878	0.8410435783
## LZSE.L.PET	0.6889611060	0.5682406455
## LGLZE.L.PET	0.6525665452	0.7532241491
## HGLZE.L.PET	0.6237317837	0.4558464111
## SZLGE.L.PET	0.6617757037	0.7693254561
## SZHGE.L.PET	0.6203877029	0.4640792677
## LZLGE.L.PET	0.5205371836	0.6012449238
## LZHGE.L.PET	0.5049119222	0.3304084586
## GLNU_area.L.PET	0.2742035182	0.2493390531
## ZSNU.L.PET	0.2431620223	0.1799235778
## ZSP.L.PET	0.9814139384	0.8369532607
## GLNU_norm.L.PET	0.6914905532	0.8572407820
## ZSNU_norm.L.PET	0.9816127304	0.8283172880
## GLVAR_area.L.PET	0.6728628674	0.4998586239
## ZSVAR.L.PET	0.4580853958	0.4920984414
## Entropy_area.L.PET	0.9819770955	0.8065977284
## Max_cooc.H.PET	0.3146730151	0.3534891465
## Average_cooc.H.PET	0.9724140117	0.8166335355
## Variance_cooc.H.PET	0.8515471787	0.6875401221
## Entropy_cooc.H.PET	0.8279743923	0.6438806786
## DAVE_cooc.H.PET	0.8738651009	0.7124312870
## DVAR_cooc.H.PET	0.8508812460	0.7005402190
## DENT_cooc.H.PET	0.7757560797	0.6440624469
## SAVE_cooc.H.PET	0.9799518810	0.8255655762
## SVAR_cooc.H.PET	0.8449997830	0.7207614844
## SENT_cooc.H.PET	0.6913836251	0.6969930371
## ASM_cooc.H.PET	0.3007136832	0.3758610161
## Contrast_cooc.H.PET	0.7779566696	0.6265949732
## Dissimilarity_cooc.H.PET	0.8738651009	0.7124312870
## Inv_diff_cooc.H.PET	0.6787777834	0.6350894460
## Inv_diff_norm_cooc.H.PET	0.9943847303	0.8521140028
## IDM_cooc.H.PET	0.5752200231	0.5534514043
## IDM_norm_cooc.H.PET	0.9968217852	0.8505918488
## Inv_var_cooc_.H.PET	0.6007052522	0.7749110131
## Correlation_cooc.H.PET	0.6678226455	0.5906521642
## Autocorrelation_cooc.H.PET	0.9160826576	0.7751448110
## Tendency_cooc.H.PET	0.8151417839	0.6589186093
## Shade_cooc.H.PET	-0.4094996674	-0.3166128883
## Prominence_cooc.H.PET	0.5985501136	0.4666006169
## IC1_d.H.PET	-0.1033699499	0.1023490545
## IC2_d.H.PET	0.7804849884	0.6731850212
## Coarseness_vdif.H.PET	0.4441267067	0.6937129356

## Contrast_vdif.H.PET	0.2875602957	0.2453927767
## Busyness_vdif.H.PET	0.1344045846	-0.0104545546
## Complexity_vdif.H.PET	0.6582190833	0.6798383053
## Strength_vdif.H.PET	0.0202458734	0.0030762079
## SRE_align.H.PET	0.9701329565	0.8219364005
## LRE_align.H.PET	0.6423473936	0.5587808609
## RLNU_align.H.PET	0.2399546018	0.1825921088
## RP_align.H.PET	0.9577140699	0.8091895409
## LGRE_align.H.PET	0.4685460404	0.7171029340
## HGRE_align.H.PET	0.9204975946	0.7732458745
## LGSRE_align.H.PET	0.4661446906	0.7155883150
## HGSRE_align.H.PET	0.9638092897	0.8031452505
## LGHRE_align.H.PET	0.4814600958	0.7253835104
## HGLRE_align.H.PET	0.4420602658	0.3875084521
## GLNU_norm_align.H.PET	0.5181312263	0.5109224468
## RLNU_norm_align.H.PET	0.9065801311	0.7628729076
## GLVAR_align.H.PET	0.8188695117	0.6620401418
## RLVAR_align.H.PET	0.2908112910	0.2917625559
## Entropy_align.H.PET	0.8985236185	0.7367204289
## SZSE.H.PET	0.8559849762	0.7404836718
## LZSE.H.PET	-0.0553827138	-0.0439492663
## LGLZE.H.PET	0.4692066488	0.7166049769
## HGLZE.H.PET	0.8756438454	0.7619276762
## SZLGE.H.PET	0.4630489311	0.7134867241
## SZHGE.H.PET	0.8331629014	0.7098694646
## LZLGE.H.PET	0.0089105823	0.0524447557
## LZHGE.H.PET	-0.0473772949	-0.0342188373
## GLNU_area.H.PET	0.2835828565	0.2304455735
## ZSNU.H.PET	0.2065347306	0.1439117784
## ZSP.H.PET	0.6706997064	0.5645625446
## GLNU_norm.H.PET	0.5287879929	0.5102735375
## ZSNU_norm.H.PET	0.7224093621	0.6142738508
## GLVAR_area.H.PET	0.7984287030	0.6480429976
## ZSVAR.H.PET	-0.0524820947	-0.0343306885
## Entropy_area.H.PET	0.9480472262	0.7941222914
## Max_cooc.W.PET	0.3537962968	0.4639813341
## Average_cooc.W.PET	0.5205172772	0.3883887950
## Variance_cooc.W.PET	0.2581359245	0.1894442903
## Entropy_cooc.W.PET	0.8545615065	0.6922323429
## DAVE_cooc.W.PET	0.5456038454	0.4144841330
## DVAR_cooc.W.PET	0.2887365227	0.1979782055
## DENT_cooc.W.PET	0.8388319613	0.6846291440
## SAVE_cooc.W.PET	0.5197339088	0.3870367243
## SVAR_cooc.W.PET	0.2344839921	0.1806552464
## SENT_cooc.W.PET	0.8942223250	0.7657598384
## ASM_cooc.W.PET	0.3922692704	0.5689455580
## Contrast_cooc.W.PET	0.2964591250	0.1946548329
## Dissimilarity_cooc.W.PET	0.5456038454	0.4144841330
## Inv_diff_cooc.W.PET	0.7574937891	0.6946456082
## Inv_diff_norm_cooc.W.PET	0.9938984840	0.8564355686
## IDM_cooc.W.PET	0.6248374625	0.5905309019
## IDM_norm_cooc.W.PET	0.9966628488	0.8525381399
## Inv_var_cooc.W.PET	0.6950093736	0.6565405076
## Correlation_cooc.W.PET	0.6620600693	0.5942269246

## Autocorrelation_cooc.W.PET	0.2527280769	0.1605134594
## Tendency_cooc.W.PET	0.2344839921	0.1806552464
## Shade_cooc.W.PET	0.0485685672	0.0706720993
## Prominence_cooc.W.PET	0.0145277081	0.0267870455
## IC1_d.W.PET	-0.1180412032	0.1289800792
## IC2_d.W.PET	0.8441441575	0.7228672204
## Coarseness_vdif.W.PET	0.4484258349	0.5800434247
## Contrast_vdif.W.PET	0.4759677800	0.3833816618
## Busyness_vdif.W.PET	0.2435111267	0.1566377010
## Complexity_vdif.W.PET	0.1693323488	0.1365201477
## Strength_vdif.W.PET	0.2556331820	0.2659437103
## SRE_align.W.PET	0.9906886919	0.8416466446
## LRE_align.W.PET	0.8679675623	0.7419844253
## GLNU_align.W.PET	0.2812431273	0.2389855621
## RLNU_align.W.PET	0.2415771143	0.1856330958
## RP_align.W.PET	0.9861354174	0.8364601265
## LGRE_align.W.PET	0.5022908064	0.5038399831
## HGRE_align.W.PET	0.2545500107	0.1565586625
## LGSRE_align.W.PET	0.5385592002	0.5421786167
## HGSRE_align.W.PET	0.2501795337	0.1526238471
## LGHRE_align.W.PET	0.3383929640	0.3364752360
## HGLRE_align.W.PET	0.2718090253	0.1718583359
## GLNU_norm_align.W.PET	0.5201910341	0.5520855506
## RLNU_norm_align.W.PET	0.9665862599	0.8176851546
## GLVAR_align.W.PET	0.2575437548	0.1839399914
## RLVAR_align.W.PET	0.3662179964	0.3916670294
## Entropy_align.W.PET	0.9004408823	0.7362462116
## SZSE.W.PET	0.9420753556	0.8137804431
## LZSE.W.PET	0.1285304665	0.1064247516
## LGLZE.W.PET	0.5271174026	0.5331092169
## HGLZE.W.PET	0.2582025569	0.1602776844
## SZLGE.W.PET	0.6025829183	0.6287662265
## SZHGE.W.PET	0.2462957499	0.1516349499
## LZLGE.W.PET	0.0009155986	-0.0023899211
## LZHGE.W.PET	0.2922433148	0.1875206153
## GLNU_area.W.PET	0.2903994790	0.2447893479
## ZSNU.W.PET	0.2279428534	0.1708820223
## ZSP.W.PET	0.8709722607	0.7431210030
## GLNU_norm.W.PET	0.5392571125	0.5691107481
## ZSNU_norm.W.PET	0.8652170616	0.7351208589
## GLVAR_area.W.PET	0.2614826474	0.1891227581
## ZSVAR.W.PET	0.0415209438	0.0443133782
## Entropy_area.W.PET	0.9390243025	0.7752606718
## Min_hist.ADC	0.3154074708	0.1637685372
## Max_hist.ADC	0.8973644841	0.8534420569
## Mean_hist.ADC	0.8682011357	0.7491618111
## Variance_hist.ADC	0.4833977249	0.6126494978
## Standard_Deviation_hist.ADC	0.7508323012	0.7798226127
## Skewness_hist.ADC	0.2305408906	0.1726269509
## Kurtosis_hist.ADC	0.2560371638	0.2022678409
## Energy_hist.ADC	0.4616024464	0.6905672091
## Entropy_hist.ADC	0.9588890575	0.8605069360
## AUC_hist.ADC	0.9782443503	0.8510249639
## Volume.ADC	0.3285255926	0.2376764631

## X3D_surface.ADC	0.4568291982	0.5347574911
## ratio_3ds_vol.ADC	0.6304429550	0.4457251530
## ratio_3ds_vol_norm.ADC	0.9436160122	0.8110119029
## irregularity.ADC	0.9505029157	0.7587745536
## Compactness_v1.ADC	0.6961676260	0.8271520625
##	IDM_norm_cooc.H.ADC	Inv_var_cooc.H.ADC
## Failure	-0.0006699894	0.002685726
## Entropy_cooc.W.ADC	0.0327168358	0.066807766
## GLNU_align.H.PET	-0.0334810793	0.049132433
## Min_hist.PET	0.5239239307	0.370617393
## Max_hist.PET	0.5437505324	0.420722779
## Mean_hist.PET	0.5247593986	0.370043399
## Variance_hist.PET	0.2594883738	0.174522489
## Standard_Deviation_hist.PET	0.5353885781	0.411075524
## Skewness_hist.PET	0.5420345360	0.563372224
## Kurtosis_hist.PET	0.1637169930	0.290820028
## Energy_hist.PET	0.4495924928	0.710587985
## Entropy_hist.PET	0.8768623045	0.749099353
## AUC_hist.PET	0.9956116266	0.884139121
## H_suv.PET	0.5614784404	0.475015457
## Volume.PET	0.3370365020	0.219937128
## X3D_surface.PET	0.2306820417	0.250160345
## ratio_3ds_vol.PET	0.5683206069	0.620818780
## ratio_3ds_vol_norm.PET	0.5853411560	0.674851476
## irregularity.PET	0.9660396754	0.834122839
## tumor_length.PET	0.6110141603	0.603191793
## Compactness_v1.PET	0.5586955169	0.772233891
## Compactness_v2.PET	0.2294345142	0.043655042
## Spherical_disproportion.PET	0.5853411560	0.674851476
## Sphericity.PET	0.2304668461	-0.013621462
## Asphericity.PET	0.5634935139	0.659699541
## Center_of_mass.PET	0.3794969226	0.384865803
## Max_3D_diam.PET	0.4643911591	0.269799060
## Major_axis_length.PET	0.5072119536	0.349769367
## Minor_axis_length.PET	0.6667714395	0.559586083
## Least_axis_length.PET	0.5654488152	0.433851725
## Elongation.PET	0.8583334824	0.784727857
## Flatness.PET	0.7972947725	0.699906021
## Max_cooc.L.PET	0.4766236463	0.749941290
## Average_cooc.L.PET	0.8060673691	0.637884410
## Variance_cooc.L.PET	0.6402784515	0.505177651
## Entropy_cooc.L.PET	0.9786165913	0.808455017
## DAVE_cooc.L.PET	0.7510441834	0.606443415
## DVAR_cooc.L.PET	0.6639198532	0.583485676
## DENT_cooc.L.PET	0.9669994431	0.805091316
## SAVE_cooc.L.PET	0.8058684875	0.637262297
## SVAR_cooc.L.PET	0.6502235692	0.509769380
## SENT_cooc.L.PET	0.9731226201	0.845102846
## ASM_cooc.L.PET	0.4476628942	0.732097743
## Contrast_cooc.L.PET	0.5382171953	0.429703194
## Dissimilarity_cooc.L.PET	0.7510441834	0.606443415
## Inv_diff_cooc.L.PET	0.8587792810	0.846773241
## Inv_diff_norm_cooc.L.PET	0.9942410885	0.866876824
## IDM_cooc.L.PET	0.7714543298	0.821209990

## IDM_norm_cooc.L.PET	0.9974664527	0.864437540
## Inv_var_cooc.L.PET	0.7764014015	0.828318141
## Correlation_cooc.L.PET	0.6618320534	0.589494255
## Autocorrelation_cooc.L.PET	0.5995790203	0.464390354
## Tendency_cooc.L.PET	0.6502235692	0.509769380
## Shade_cooc.L.PET	0.3225573598	0.265977345
## Prominence_cooc.L.PET	0.4574879232	0.361720374
## IC1_.L.PET	-0.3446752448	-0.121295894
## IC2_.L.PET	0.8937128832	0.775252444
## Coarseness_vdif_.L.PET	0.4812023515	0.685834972
## Contrast_vdif_.L.PET	0.2257777970	0.181674144
## Busyness_vdif_.L.PET	0.3268651564	0.278774739
## Complexity_vdif_.L.PET	0.7103622156	0.616107431
## Strength_vdif_.L.PET	0.2910415124	0.273698357
## SRE_align.L.PET	0.9981672581	0.862055309
## LRE_align.L.PET	0.9912511656	0.856196653
## GLNU_align.L.PET	0.2686053619	0.230320058
## RLNU_align.L.PET	0.2398523168	0.161483441
## RP_align.L.PET	0.9978446291	0.861081942
## LGRE_align.L.PET	0.6363021043	0.752012430
## HGRE_align.L.PET	0.6199740560	0.478302760
## LGSRE_align.L.PET	0.6410379404	0.758337354
## HGSRE_align.L.PET	0.6184137555	0.477842631
## LGHRE_align.L.PET	0.6139951626	0.723342974
## HGLRE_align.L.PET	0.6244262649	0.478514232
## GLNU_norm_align.L.PET	0.6863604841	0.874396357
## RLNU_norm_align.L.PET	0.9960095215	0.857802886
## GLVAR_align.L.PET	0.6675155301	0.525163391
## RLVAR_align.L.PET	0.6511055212	0.822483424
## Entropy_align.L.PET	0.9827496786	0.813366156
## SZSE.L.PET	0.9771242732	0.854417333
## LZSE.L.PET	0.6900211825	0.577654003
## LGLZE.L.PET	0.6479895845	0.764327101
## HGLZE.L.PET	0.6295962747	0.486369583
## SZLGE.L.PET	0.6572519761	0.780296230
## SZHGE.L.PET	0.6257076455	0.493489585
## LZLGE.L.PET	0.5155749741	0.608130078
## LZHGE.L.PET	0.5115528941	0.358126121
## GLNU_area.L.PET	0.2701227760	0.227338316
## ZSNU.L.PET	0.2410373026	0.157794567
## ZSP.L.PET	0.9827257746	0.852070251
## GLNU_norm.L.PET	0.6866205377	0.875475553
## ZSNU_norm.L.PET	0.9834347066	0.845707216
## GLVAR_area.L.PET	0.6783702548	0.535470056
## ZSVAR.L.PET	0.4546707659	0.488817230
## Entropy_area.L.PET	0.9838850558	0.817568232
## Max_cooc.H.PET	0.3137449486	0.382029718
## Average_cooc.H.PET	0.9737263332	0.836194081
## Variance_cooc.H.PET	0.8539846991	0.690663779
## Entropy_cooc.H.PET	0.8311195752	0.656739831
## DAVE_cooc.H.PET	0.8761094991	0.725146103
## DVAR_cooc.H.PET	0.8528927093	0.715256410
## DENT_cooc.H.PET	0.7753065766	0.631892285
## SAVE_cooc.H.PET	0.9808463469	0.842000645

## SVAR_cooc.H.PET	0.8454132631	0.716171301
## SENT_cooc.H.PET	0.6912915517	0.706121282
## ASM_cooc.H.PET	0.2995172432	0.406409259
## Contrast_cooc.H.PET	0.7805779240	0.641898353
## Dissimilarity_cooc.H.PET	0.8761094991	0.725146103
## Inv_diff_cooc.H.PET	0.6783065346	0.658053351
## Inv_diff_norm_cooc.H.PET	0.9953909616	0.866451081
## IDM_cooc.H.PET	0.5745181681	0.577341363
## IDM_norm_cooc.H.PET	0.9979168920	0.864403864
## Inv_var_cooc_.H.PET	0.5970146561	0.785466431
## Correlation_cooc.H.PET	0.6677773652	0.583423660
## Autocorrelation_cooc.H.PET	0.9172181467	0.797887721
## Tendency_cooc.H.PET	0.8172629668	0.655180909
## Shade_cooc.H.PET	-0.4123239389	-0.317654807
## Prominence_cooc.H.PET	0.6009010569	0.454540529
## IC1_d.H.PET	-0.1075668325	0.103452714
## IC2_d.H.PET	0.7814447915	0.675891176
## Coarseness_vdif.H.PET	0.4400092014	0.716745538
## Contrast_vdif.H.PET	0.2896748398	0.273802014
## Busyness_vdif.H.PET	0.1327402201	-0.024621764
## Complexity_vdif.H.PET	0.6587143198	0.705105513
## Strength_vdif.H.PET	0.0222804448	0.027455373
## SRE_align.H.PET	0.9715123831	0.832594957
## LRE_align.H.PET	0.6422274717	0.579173290
## RLNU_align.H.PET	0.2379855581	0.160372786
## RP_align.H.PET	0.9592513136	0.819833467
## LGRE_align.H.PET	0.4642315220	0.735932258
## HGRE_align.H.PET	0.9217820935	0.795824116
## LGSRE_align.H.PET	0.4618170447	0.734466780
## HGSRE_align.H.PET	0.9653312155	0.822228394
## LGHRE_align.H.PET	0.4772035336	0.744081381
## HGLRE_align.H.PET	0.4420489941	0.408498989
## GLNU_norm_align.H.PET	0.5175172903	0.541471254
## RLNU_norm_align.H.PET	0.9082434672	0.771674145
## GLVAR_align.H.PET	0.8210945858	0.662120305
## RLVAR_align.H.PET	0.2893943954	0.306024241
## Entropy_align.H.PET	0.9000181569	0.736116147
## SZSE.H.PET	0.8563506715	0.739516134
## LZSE.H.PET	-0.0565087502	-0.042770114
## LGLZE.H.PET	0.4649242980	0.735421494
## HGLZE.H.PET	0.8744636427	0.773043860
## SZLGE.H.PET	0.4586819262	0.732360391
## SZHGE.H.PET	0.8330192534	0.712905098
## LZLGE.H.PET	0.0073717144	0.054869875
## LZHGE.H.PET	-0.0481659626	-0.027425606
## GLNU_area.H.PET	0.2799672391	0.208392555
## ZSNU.H.PET	0.2054851228	0.122336657
## ZSP.H.PET	0.6715501023	0.561947518
## GLNU_norm.H.PET	0.5289151767	0.543106671
## ZSNU_norm.H.PET	0.7234378231	0.611703031
## GLVAR_area.H.PET	0.8004245484	0.646096910
## ZSVAR_H.PET	-0.0536847556	-0.032413199
## Entropy_area.H.PET	0.9487826529	0.796302866
## Max_cooc.W.PET	0.3521862871	0.494431404

## Average_cooc.W.PET	0.5232324973	0.379824493
## Variance_cooc.W.PET	0.2596700127	0.181647066
## Entropy_cooc.W.PET	0.8562824797	0.691267982
## DAVE_cooc.W.PET	0.5481919069	0.414786994
## DVAR_cooc.W.PET	0.2911303983	0.196045645
## DENT_cooc.W.PET	0.8404913692	0.686765597
## SAVE_cooc.W.PET	0.5224593384	0.378430264
## SVAR_cooc.W.PET	0.2354335939	0.170018347
## SENT_cooc.W.PET	0.8954768656	0.770334738
## ASM_cooc.W.PET	0.3894077907	0.599206748
## Contrast_cooc.W.PET	0.2993924904	0.194964475
## Dissimilarity_cooc.W.PET	0.5481919069	0.414786994
## Inv_diff_cooc.W.PET	0.7572786281	0.717199030
## Inv_diff_norm_cooc.W.PET	0.9944944755	0.867220303
## IDM_cooc.W.PET	0.6243511570	0.614404337
## IDM_norm_cooc.W.PET	0.9975606752	0.864571538
## Inv_var_cooc.W.PET	0.6943597019	0.678932908
## Correlation_cooc.W.PET	0.6613363337	0.589335565
## Autocorrelation_cooc.W.PET	0.2553934072	0.147188884
## Tendency_cooc.W.PET	0.2354335939	0.170018347
## Shade_cooc.W.PET	0.0472506267	0.066298496
## Prominence_cooc.W.PET	0.0139135663	0.021933025
## IC1_d.W.PET	-0.1233722656	0.125109499
## IC2_d.W.PET	0.8459828003	0.736347584
## Coarseness_vdif.W.PET	0.4484329526	0.618097967
## Contrast_vdif.W.PET	0.4793700991	0.401641949
## Busyness_vdif.W.PET	0.2421764319	0.169364533
## Complexity_vdif.W.PET	0.1696513524	0.127475290
## Strength_vdif.W.PET	0.2543371229	0.281011179
## SRE_align.W.PET	0.9919595183	0.854048184
## LRE_align.W.PET	0.8687367880	0.761375677
## GLNU_align.W.PET	0.2770024124	0.220252298
## RLNU_align.W.PET	0.2394282979	0.163611060
## RP_align.W.PET	0.9874835090	0.848628564
## LGRE_align.W.PET	0.5011055467	0.530297981
## HGRE_align.W.PET	0.2574361219	0.143132039
## LGSRE_align.W.PET	0.5372540815	0.568548298
## HGSRE_align.W.PET	0.2530792052	0.139490796
## LGHRE_align.W.PET	0.3375171747	0.361153283
## HGLRE_align.W.PET	0.2746499731	0.157358781
## GLNU_norm_align.W.PET	0.5190570102	0.583838783
## RLNU_norm_align.W.PET	0.9680167219	0.828534407
## GLVAR_align.W.PET	0.2592856388	0.173682972
## RLVAR_align.W.PET	0.3646487691	0.410307477
## Entropy_align.W.PET	0.9020425197	0.736231446
## SZSE.W.PET	0.9426654114	0.819369666
## LZSE.W.PET	0.1289439556	0.126835415
## LGLZE.W.PET	0.5257569998	0.558064274
## HGLZE.W.PET	0.2610287142	0.147394059
## SZLGE.W.PET	0.6004977808	0.649100185
## SZHGE.W.PET	0.2490355839	0.139523245
## LZLGE.W.PET	0.0007705799	0.012990897
## LZHGE.W.PET	0.2956611098	0.179115640
## GLNU_area.W.PET	0.2862387089	0.223630165

## ZSNU.W.PET	0.2261616408	0.148752571
## ZSP.W.PET	0.8717692154	0.744963997
## GLNU_norm.W.PET	0.5383467011	0.601078371
## ZSNU_norm.W.PET	0.8663182635	0.737960478
## GLVAR_area.W.PET	0.2631710553	0.179207343
## ZSVAR.W.PET	0.0412287079	0.059689460
## Entropy_area.W.PET	0.9403306014	0.778167321
## Min_hist.ADC	0.3231760760	0.214516868
## Max_hist.ADC	0.8916973690	0.839278209
## Mean_hist.ADC	0.8676471996	0.766842480
## Variance_hist.ADC	0.4718691468	0.591202713
## Standard_Deviation_hist.ADC	0.7426767809	0.768814557
## Skewness_hist.ADC	0.2324374024	0.176463195
## Kurtosis_hist.ADC	0.2581695606	0.184043464
## Energy_hist.ADC	0.4584303698	0.720270899
## Entropy_hist.ADC	0.9563957357	0.846988423
## AUC_hist.ADC	0.9784648197	0.860342425
## Volume.ADC	0.3253047300	0.211353593
## X3D_surface.ADC	0.4463400504	0.482330188
## ratio_3ds_vol.ADC	0.6397760329	0.522370154
## ratio_3ds_vol_norm.ADC	0.9425196021	0.814311278
## irregularity.ADC	0.9549411434	0.795777980
## Compactness_v1.ADC	0.6942972168	0.853020177
##	Correlation_cooc.H.ADC	Autocorrelation_cooc.H.ADC
## Failure	-0.034420837	-0.01232503
## Entropy_cooc.W.ADC	0.100588513	0.02571444
## GLNU_align.H.PET	0.081355514	-0.03871623
## Min_hist.PET	0.290973316	0.52232111
## Max_hist.PET	0.353506343	0.52996902
## Mean_hist.PET	0.295577480	0.51347635
## Variance_hist.PET	0.128315141	0.23192653
## Standard_Deviation_hist.PET	0.330027474	0.51086912
## Skewness_hist.PET	0.448537803	0.54388571
## Kurtosis_hist.PET	0.253137415	0.16626111
## Energy_hist.PET	0.299684752	0.40732446
## Entropy_hist.PET	0.705686880	0.85361824
## AUC_hist.PET	0.716043900	0.97060350
## H_suv.PET	0.360935975	0.53335658
## Volume.PET	0.385940154	0.30570692
## X3D_surface.PET	0.262519237	0.24106820
## ratio_3ds_vol.PET	0.294231697	0.56088656
## ratio_3ds_vol_norm.PET	0.391423371	0.55678188
## irregularity.PET	0.660626940	0.95519504
## tumor_length.PET	0.531166395	0.59520887
## Compactness_v1.PET	0.415863574	0.50233332
## Compactness_v2.PET	0.166370620	0.23477443
## Spherical_disproportion.PET	0.391423371	0.55678188
## Sphericity.PET	0.199695731	0.24189778
## Asphericity.PET	0.375697767	0.53505349
## Center_of_mass.PET	0.361939869	0.36256999
## Max_3D_diam.PET	0.396690803	0.46101625
## Major_axis_length.PET	0.397110951	0.49804274
## Minor_axis_length.PET	0.573128562	0.64767115
## Least_axis_length.PET	0.513872210	0.55168624

## Elongation.PET	0.596058687	0.84442230
## Flatness.PET	0.599990077	0.78569142
## Max_cooc.L.PET	0.346305420	0.42559497
## Average_cooc.L.PET	0.494413841	0.78332105
## Variance_cooc.L.PET	0.359595836	0.63259966
## Entropy_cooc.L.PET	0.684866087	0.94805455
## DAVE_cooc.L.PET	0.438989869	0.74415792
## DVAR_cooc.L.PET	0.367105731	0.65912397
## DENT_cooc.L.PET	0.649017999	0.94761215
## SAVE_cooc.L.PET	0.494234028	0.78318153
## SVAR_cooc.L.PET	0.388229444	0.63373815
## SENT_cooc.L.PET	0.657587830	0.94577836
## ASM_cooc.L.PET	0.325609079	0.39372781
## Contrast_cooc.L.PET	0.265649724	0.54557521
## Dissimilarity_cooc.L.PET	0.438989869	0.74415792
## Inv_diff_cooc.L.PET	0.675042479	0.83271145
## Inv_diff_norm_cooc.L.PET	0.714317165	0.97067910
## IDM_cooc.L.PET	0.627921227	0.74506672
## IDM_norm_cooc.L.PET	0.710377670	0.97396439
## Inv_var_cooc.L.PET	0.637134810	0.74596093
## Correlation_cooc.L.PET	0.526128243	0.62877189
## Autocorrelation_cooc.L.PET	0.340417567	0.57783283
## Tendency_cooc.L.PET	0.388229444	0.63373815
## Shade_cooc.L.PET	0.212644272	0.31607157
## Prominence_cooc.L.PET	0.253312697	0.45167865
## IC1_.L.PET	-0.083993832	-0.39538791
## IC2_.L.PET	0.541567170	0.88230022
## Coarseness_vdif_.L.PET	0.287123963	0.44742763
## Contrast_vdif_.L.PET	0.052183798	0.26853674
## Busyness_vdif_.L.PET	0.402153974	0.32042693
## Complexity_vdif_.L.PET	0.406822752	0.71483909
## Strength_vdif_.L.PET	0.108428474	0.33336537
## SRE_align.L.PET	0.700108019	0.97519038
## LRE_align.L.PET	0.706378155	0.97191688
## GLNU_align.L.PET	0.314795896	0.27351196
## RLNU_align.L.PET	0.261017518	0.24671991
## RP_align.L.PET	0.698289740	0.97502825
## LGRE_align.L.PET	0.499370507	0.62267460
## HGRE_align.L.PET	0.339959366	0.59999978
## LGSRE_align.L.PET	0.500647693	0.62625318
## HGSRE_align.L.PET	0.338134740	0.59837658
## LGHRE_align.L.PET	0.490510422	0.60453870
## HGLRE_align.L.PET	0.345908441	0.60493152
## GLNU_norm_align.L.PET	0.525148123	0.65141822
## RLNU_norm_align.L.PET	0.691819372	0.97333518
## GLVAR_align.L.PET	0.380776825	0.65422185
## RLVAR_align.L.PET	0.521720222	0.60773953
## Entropy_align.L.PET	0.680788593	0.95436730
## SZSE.L.PET	0.696917047	0.94887351
## LZSE.L.PET	0.469545839	0.69469261
## LGLZE.L.PET	0.504859847	0.63259620
## HGLZE.L.PET	0.346610253	0.61011869
## SZLGE.L.PET	0.507452376	0.63638523
## SZHGE.L.PET	0.355817945	0.60343836

## LZLGE.L.PET	0.430363370	0.51719666
## LZHGE.L.PET	0.239661619	0.50788452
## GLNU_area.L.PET	0.317537398	0.27420007
## ZSNU.L.PET	0.264927514	0.24648981
## ZSP.L.PET	0.691254891	0.95663868
## GLNU_norm.L.PET	0.524715966	0.65072484
## ZSNU_norm.L.PET	0.678107603	0.96144096
## GLVAR_area.L.PET	0.385829357	0.66355166
## ZSVAR.L.PET	0.377951613	0.44711382
## Entropy_area.L.PET	0.688305217	0.95522379
## Max_cooc.H.PET	0.248352370	0.30872559
## Average_cooc.H.PET	0.695917414	0.95774393
## Variance_cooc.H.PET	0.563849376	0.83138847
## Entropy_cooc.H.PET	0.525196572	0.81334768
## DAVE_cooc.H.PET	0.574836102	0.85996256
## DVAR_cooc.H.PET	0.569990656	0.83534372
## DENT_cooc.H.PET	0.584772578	0.77270168
## SAVE_cooc.H.PET	0.711703893	0.96965059
## SVAR_cooc.H.PET	0.622183552	0.82869554
## SENT_cooc.H.PET	0.426789189	0.65916828
## ASM_cooc.H.PET	0.239322484	0.28359560
## Contrast_cooc.H.PET	0.493749659	0.76690394
## Dissimilarity_cooc.H.PET	0.574836102	0.85996256
## Inv_diff_cooc.H.PET	0.523336419	0.66082607
## Inv_diff_norm_cooc.H.PET	0.708075129	0.97245386
## IDM_cooc.H.PET	0.453344125	0.55962498
## IDM_norm_cooc.H.PET	0.706749868	0.97526984
## Inv_var_cooc.H.PET	0.403684390	0.54144779
## Correlation_cooc.H.PET	0.510831285	0.63568290
## Autocorrelation_cooc.H.PET	0.666376472	0.90375171
## Tendency_cooc.H.PET	0.551284869	0.79187478
## Shade_cooc.H.PET	-0.243251272	-0.41118708
## Prominence_cooc.H.PET	0.385715964	0.57991076
## IC1_d.H.PET	-0.078815073	-0.12993262
## IC2_d.H.PET	0.563419494	0.76045403
## Coarseness_vdif.H.PET	0.307315538	0.38886388
## Contrast_vdif.H.PET	0.164036683	0.29783466
## Busyness_vdif.H.PET	0.280223357	0.12780175
## Complexity_vdif.H.PET	0.378428818	0.63611559
## Strength_vdif.H.PET	-0.008887352	0.03803292
## SRE_align.H.PET	0.667408326	0.94923015
## LRE_align.H.PET	0.506132943	0.63116659
## RLNU_align.H.PET	0.243020373	0.24152045
## RP_align.H.PET	0.652431702	0.93792157
## LGRE_align.H.PET	0.329873971	0.40613445
## HGRE_align.H.PET	0.662648856	0.90881137
## LGSRE_align.H.PET	0.328155240	0.40375968
## HGSRE_align.H.PET	0.673297865	0.95254557
## LGHRE_align.H.PET	0.339692148	0.41905906
## HGLRE_align.H.PET	0.362301964	0.43485236
## GLNU_norm_align.H.PET	0.403287501	0.50640386
## RLNU_norm_align.H.PET	0.603836944	0.88793193
## GLVAR_align.H.PET	0.546001635	0.79900457
## RLVAR_align.H.PET	0.272005577	0.27927786

## Entropy_align.H.PET	0.624783735	0.87278793
## SZSE.H.PET	0.594613621	0.83379603
## LZSE.H.PET	0.003584800	-0.04443886
## LGLZE.H.PET	0.330739829	0.40650743
## HGLZE.H.PET	0.699471735	0.86797423
## SZLGE.H.PET	0.327671842	0.40027386
## SZHGE.H.PET	0.595362629	0.83106328
## LZLGE.H.PET	0.040504590	0.01089060
## LZHGE.H.PET	-0.001661511	-0.03912436
## GLNU_area.H.PET	0.337536781	0.28469232
## ZSNU.H.PET	0.188821313	0.20693388
## ZSP.H.PET	0.445193777	0.65660059
## GLNU_norm.H.PET	0.392114679	0.51248954
## ZSNU_norm.H.PET	0.473926044	0.71006603
## GLVAR_area.H.PET	0.538001617	0.77548331
## ZSVAR_H.PET	0.000296579	-0.04337661
## Entropy_area.H.PET	0.685764492	0.91840014
## Max_cooc.W.PET	0.260748985	0.33004695
## Average_cooc.W.PET	0.311405790	0.49678132
## Variance_cooc.W.PET	0.134679954	0.23419638
## Entropy_cooc.W.PET	0.577763611	0.83248052
## DAVE_cooc.W.PET	0.319839857	0.53114316
## DVAR_cooc.W.PET	0.135918523	0.27438027
## DENT_cooc.W.PET	0.560268495	0.82054871
## SAVE_cooc.W.PET	0.310833056	0.49611704
## SVAR_cooc.W.PET	0.130886698	0.20681263
## SENT_cooc.W.PET	0.605999133	0.86784495
## ASM_cooc.W.PET	0.292321864	0.35246454
## Contrast_cooc.W.PET	0.132189915	0.28450515
## Dissimilarity_cooc.W.PET	0.319839857	0.53114316
## Inv_diff_cooc.W.PET	0.575026539	0.73950444
## Inv_diff_norm_cooc.W.PET	0.713542071	0.97111483
## IDM_cooc.W.PET	0.486974204	0.60862591
## IDM_norm_cooc.W.PET	0.709693249	0.97426499
## Inv_var_cooc.W.PET	0.533131262	0.67511288
## Correlation_cooc.W.PET	0.526926258	0.62818037
## Autocorrelation_cooc.W.PET	0.112199439	0.22569795
## Tendency_cooc.W.PET	0.130886698	0.20681263
## Shade_cooc.W.PET	0.039329121	0.01874572
## Prominence_cooc.W.PET	-0.001129109	-0.02182747
## IC1_d.W.PET	-0.067931803	-0.15868525
## IC2_d.W.PET	0.580569123	0.83181756
## Coarseness_vdif.W.PET	0.240635103	0.43207638
## Contrast_vdif.W.PET	0.247124834	0.46366716
## Busyness_vdif.W.PET	0.328620361	0.23292343
## Complexity_vdif.W.PET	0.087130341	0.14514233
## Strength_vdif.W.PET	0.197694324	0.26605005
## SRE_align.W.PET	0.690409672	0.96934814
## LRE_align.W.PET	0.641221063	0.85088960
## GLNU_align.W.PET	0.363923438	0.28492536
## RLNU_align.W.PET	0.251926110	0.24453480
## RP_align.W.PET	0.683856895	0.96537817
## LGRE_align.W.PET	0.396696921	0.49405670
## HGRE_align.W.PET	0.105511087	0.22881869

## LGSRE_align.W.PET	0.419738755	0.52907077
## HGSRE_align.W.PET	0.101319318	0.22457318
## LGHRE_align.W.PET	0.289286351	0.33521153
## HGLRE_align.W.PET	0.121917972	0.24577219
## GLNU_norm_align.W.PET	0.400925690	0.50292847
## RLNU_norm_align.W.PET	0.661123300	0.94633640
## GLVAR_align.W.PET	0.128002917	0.23182387
## RLVAR_align.W.PET	0.318219424	0.34650534
## Entropy_align.W.PET	0.621414132	0.87608369
## SZSE.W.PET	0.660969219	0.91990633
## LZSE.W.PET	0.100554270	0.13242342
## LGLZE.W.PET	0.410469475	0.50964221
## HGLZE.W.PET	0.109125420	0.23313012
## SZLGE.W.PET	0.455897723	0.57733525
## SZHGE.W.PET	0.102574344	0.22189318
## LZLGE.W.PET	0.037136758	0.01291630
## LZHGE.W.PET	0.115612573	0.27488078
## GLNU_area.W.PET	0.364602761	0.29200043
## ZSNU.W.PET	0.227598311	0.22927231
## ZSP.W.PET	0.601254416	0.85337122
## GLNU_norm.W.PET	0.404980843	0.51796460
## ZSNU_norm.W.PET	0.578984663	0.85400689
## GLVAR_area.W.PET	0.130285886	0.23517908
## ZSVAR.W.PET	0.043578615	0.04598751
## Entropy_area.W.PET	0.663873307	0.91143222
## Min_hist.ADC	0.039610549	0.34392653
## Max_hist.ADC	0.798983116	0.87384269
## Mean_hist.ADC	0.611054161	0.90167045
## Variance_hist.ADC	0.656752048	0.47239758
## Standard_Deviation_hist.ADC	0.780365947	0.73714066
## Skewness_hist.ADC	0.216485066	0.09220266
## Kurtosis_hist.ADC	-0.049367018	0.20765656
## Energy_hist.ADC	0.299060156	0.40439686
## Entropy_hist.ADC	0.775235826	0.93337766
## AUC_hist.ADC	0.734387644	0.93222806
## Volume.ADC	0.388201660	0.29396009
## X3D_surface.ADC	0.620274171	0.40970435
## ratio_3ds_vol.ADC	0.223571334	0.64615053
## ratio_3ds_vol_norm.ADC	0.724868979	0.91043866
## irregularity.ADC	0.598569111	0.93248216
## Compactness_v1.ADC	0.470545169	0.64973505
##	Tendency_cooc.H.ADC	Shade_cooc.H.ADC
## Failure	-0.0174590368	0.0383003067
## Entropy_cooc.W.ADC	0.0597446712	0.0231238592
## GLNU_align.H.PET	-0.0005162826	0.0426098001
## Min_hist.PET	0.4878639320	0.1094280256
## Max_hist.PET	0.5203892487	0.1780329455
## Mean_hist.PET	0.4883045965	0.1551930448
## Variance_hist.PET	0.2346808771	0.1772996924
## Standard_Deviation_hist.PET	0.5010400742	0.2077670642
## Skewness_hist.PET	0.5364614724	0.0236674277
## Kurtosis_hist.PET	0.2002350304	-0.0448288890
## Energy_hist.PET	0.3494490611	-0.0105759552
## Entropy_hist.PET	0.8739880333	0.2739542269

## AUC_hist.PET	0.9436488839	0.2347059336
## H_suv.PET	0.5228317909	0.2220791397
## Volume.PET	0.3965260070	0.4401933906
## X3D_surface.PET	0.2506953625	0.0585541761
## ratio_3ds_vol.PET	0.4636938821	-0.0908247104
## ratio_3ds_vol_norm.PET	0.5099485896	0.0226913818
## irregularity.PET	0.9072103485	0.1568812619
## tumor_length.PET	0.6067548947	0.1369609222
## Compactness_v1.PET	0.4799415979	0.1217383641
## Compactness_v2.PET	0.2579948064	0.1665411708
## Spherical_disproportion.PET	0.5099485896	0.0226913818
## Sphericity.PET	0.2844537263	0.2241506170
## Asphericity.PET	0.4883595985	0.0157330312
## Center_of_mass.PET	0.3890428731	0.1634069649
## Max_3D_diam.PET	0.5021347901	0.2809764893
## Major_axis_length.PET	0.5230095902	0.2473711670
## Minor_axis_length.PET	0.6804376727	0.2876275902
## Least_axis_length.PET	0.5951360095	0.3112689505
## Elongation.PET	0.7920128366	0.1218785625
## Flatness.PET	0.7593203444	0.1838644586
## Max_cooc.L.PET	0.3850340612	0.0237006382
## Average_cooc.L.PET	0.7333965774	0.1895121607
## Variance_cooc.L.PET	0.5684038683	0.0819542829
## Entropy_cooc.L.PET	0.9298825377	0.2650291709
## DAVE_cooc.L.PET	0.6746474244	0.0995443342
## DVAR_cooc.L.PET	0.5786452657	0.0230171957
## DENT_cooc.L.PET	0.9055273785	0.2053512927
## SAVE_cooc.L.PET	0.7332820200	0.1895567118
## SVAR_cooc.L.PET	0.5880636154	0.1250773811
## SENT_cooc.L.PET	0.9038550100	0.2145293235
## ASM_cooc.L.PET	0.3556549189	0.0252524049
## Contrast_cooc.L.PET	0.4606118258	0.0024341626
## Dissimilarity_cooc.L.PET	0.6746474244	0.0995443342
## Inv_diff_cooc.L.PET	0.8253890268	0.1940530148
## Inv_diff_norm_cooc.L.PET	0.9461527217	0.2319122666
## IDM_cooc.L.PET	0.7391559149	0.1578993888
## IDM_norm_cooc.L.PET	0.9471583606	0.2310590175
## Inv_var_cooc.L.PET	0.7466407291	0.1774388306
## Correlation_cooc.L.PET	0.6461888947	0.2379373651
## Autocorrelation_cooc.L.PET	0.5300292747	0.1437598026
## Tendency_cooc.L.PET	0.5880636154	0.1250773811
## Shade_cooc.L.PET	0.3102680774	0.0418462129
## Prominence_cooc.L.PET	0.4055288489	0.0454144160
## IC1_.L.PET	-0.2876882022	0.0869003681
## IC2_.L.PET	0.8024906228	0.1083390409
## Coarseness_vdif_.L.PET	0.3744314614	-0.0264879386
## Contrast_vdif_.L.PET	0.1630228346	-0.1406095752
## Busyness_vdif_.L.PET	0.3848563637	0.3032385596
## Complexity_vdif_.L.PET	0.6290689474	0.0218860352
## Strength_vdif_.L.PET	0.2328940161	-0.1723791038
## SRE_align.L.PET	0.9432422831	0.2238482734
## LRE_align.L.PET	0.9413839446	0.2179754017
## GLNU_align.L.PET	0.3083429088	0.1945365295
## RLNU_align.L.PET	0.2738171121	0.1959061397

## RP_align.L.PET	0.9423285498	0.2222557138
## LGRE_align.L.PET	0.5917459754	0.0259184473
## HGRE_align.L.PET	0.5435865825	0.1354808072
## LGSRE_align.L.PET	0.5948336629	0.0284547135
## HGSRE_align.L.PET	0.5417417742	0.1341210964
## LGHRE_align.L.PET	0.5755572089	0.0157738195
## HGLRE_align.L.PET	0.5492320989	0.1395939636
## GLNU_norm_align.L.PET	0.6134474157	0.0545937540
## RLNU_norm_align.L.PET	0.9384395482	0.2178876717
## GLVAR_align.L.PET	0.5942960355	0.1123823100
## RLVAR_align.L.PET	0.5896378443	0.1203840509
## Entropy_align.L.PET	0.9298676361	0.2583826042
## SZSE.L.PET	0.9278219111	0.2434975500
## LZSE.L.PET	0.6446928556	0.0724181547
## LGLZE.L.PET	0.5999570870	0.0285576109
## HGLZE.L.PET	0.5527507729	0.1331062530
## SZLGE.L.PET	0.6047669413	0.0426523248
## SZHGE.L.PET	0.5538153962	0.1430476487
## LZLGE.L.PET	0.4912207216	-0.0188182727
## LZHGE.L.PET	0.4324515469	0.0643736565
## GLNU_area.L.PET	0.3117753222	0.2053095006
## ZSNU.L.PET	0.2779963502	0.2068351183
## ZSP.L.PET	0.9299814153	0.2313668715
## GLNU_norm.L.PET	0.6130927811	0.0567327766
## ZSNU_norm.L.PET	0.9254035681	0.2049902383
## GLVAR_area.L.PET	0.6027402415	0.1142889521
## ZSVAR.L.PET	0.4326198514	0.0660459978
## Entropy_area.L.PET	0.9331830588	0.2638413427
## Max_cooc.H.PET	0.2840597823	-0.0171377335
## Average_cooc.H.PET	0.9263097439	0.1989962264
## Variance_cooc.H.PET	0.7992566658	0.2361497672
## Entropy_cooc.H.PET	0.7737934954	0.2074707172
## DAVE_cooc.H.PET	0.8177281263	0.1923681255
## DVAR_cooc.H.PET	0.7980389030	0.1986291332
## DENT_cooc.H.PET	0.7688942906	0.1351933918
## SAVE_cooc.H.PET	0.9385414493	0.1960731657
## SVAR_cooc.H.PET	0.8182370640	0.2190410586
## SENT_cooc.H.PET	0.6037220473	0.0750965201
## ASM_cooc.H.PET	0.2610223986	0.0156707448
## Contrast_cooc.H.PET	0.7210370295	0.1716616700
## Dissimilarity_cooc.H.PET	0.8177281263	0.1923681255
## Inv_diff_cooc.H.PET	0.6436024704	0.1212670445
## Inv_diff_norm_cooc.H.PET	0.9433822823	0.2230699229
## IDM_cooc.H.PET	0.5443910431	0.0899304355
## IDM_norm_cooc.H.PET	0.9454385804	0.2238811095
## Inv_var_cooc.H.PET	0.5047036082	0.0839866685
## Correlation_cooc.H.PET	0.6451670798	0.2291480410
## Autocorrelation_cooc.H.PET	0.8741834668	0.1773138942
## Tendency_cooc.H.PET	0.7700392355	0.2498793933
## Shade_cooc.H.PET	-0.3666209911	-0.0564723166
## Prominence_cooc.H.PET	0.5614160677	0.2122604862
## IC1_d.H.PET	-0.1400946683	-0.0898038117
## IC2_d.H.PET	0.7439377856	0.2191214510
## Coarseness_vdif.H.PET	0.3441335578	0.0188533629

## Contrast_vdif.H.PET	0.2417179346	-0.0172383265
## Busyness_vdif.H.PET	0.2347804746	0.4301337359
## Complexity_vdif.H.PET	0.5536498717	-0.0115571174
## Strength_vdif.H.PET	0.0039503884	-0.0144212192
## SRE_align.H.PET	0.9145253863	0.2177149991
## LRE_align.H.PET	0.6239217381	0.1307508965
## RLNU_align.H.PET	0.2666124058	0.1981913034
## RP_align.H.PET	0.9009119040	0.2107492716
## LGRE_align.H.PET	0.3699682390	0.0475357709
## HGRE_align.H.PET	0.8769621652	0.1784624796
## LGSRE_align.H.PET	0.3675799689	0.0465277414
## HGSRE_align.H.PET	0.9135492774	0.1787164875
## LGHRE_align.H.PET	0.3829167332	0.0521554630
## HGLRE_align.H.PET	0.4322025391	0.0940692879
## GLNU_norm_align.H.PET	0.4839169316	0.0527111135
## RLNU_norm_align.H.PET	0.8488520951	0.1971905856
## GLVAR_align.H.PET	0.7709623143	0.2331843814
## RLVAR_align.H.PET	0.2893331232	0.0614385964
## Entropy_align.H.PET	0.8576136439	0.2660786834
## SZSE.H.PET	0.8142921197	0.2046075575
## LZSE.H.PET	-0.0294291707	-0.0602634171
## LGLZE.H.PET	0.3709631346	0.0499911704
## HGLZE.H.PET	0.8668231882	0.1409469208
## SZLGE.H.PET	0.3652800201	0.0479565353
## SZHGE.H.PET	0.8050309441	0.1096184767
## LZLGE.H.PET	0.0176036079	-0.0612028048
## LZHGE.H.PET	-0.0295398126	-0.0465752632
## GLNU_area.H.PET	0.3307847069	0.2398382030
## ZSNU.H.PET	0.2280361364	0.1848639680
## ZSP.H.PET	0.6349528989	0.1599581445
## GLNU_norm.H.PET	0.4862896376	0.0758450168
## ZSNU_norm.H.PET	0.6812912009	0.1472628185
## GLVAR_area.H.PET	0.7547717347	0.2332279564
## ZSVAR_H.PET	-0.0307231643	-0.0621453926
## Entropy_area.H.PET	0.9088414033	0.2823233802
## Max_cooc.W.PET	0.2969009751	0.0074209298
## Average_cooc.W.PET	0.4877994755	0.2199250974
## Variance_cooc.W.PET	0.2368112232	0.1680533467
## Entropy_cooc.W.PET	0.8116318971	0.2415181403
## DAVE_cooc.W.PET	0.5077367930	0.1713839787
## DVAR_cooc.W.PET	0.2632737239	0.1376925332
## DENT_cooc.W.PET	0.7936953058	0.2153160379
## SAVE_cooc.W.PET	0.4872092950	0.2199167937
## SVAR_cooc.W.PET	0.2164856889	0.1760781833
## SENT_cooc.W.PET	0.8380940201	0.2269799168
## ASM_cooc.W.PET	0.3184408671	0.0244614478
## Contrast_cooc.W.PET	0.2684523768	0.1319978885
## Dissimilarity_cooc.W.PET	0.5077367930	0.1713839787
## Inv_diff_cooc.W.PET	0.7177713423	0.1374694933
## Inv_diff_norm_cooc.W.PET	0.9458949100	0.2303750764
## IDM_cooc.W.PET	0.5913613497	0.1042457599
## IDM_norm_cooc.W.PET	0.9468905070	0.2297662083
## Inv_var_cooc.W.PET	0.6553178820	0.1222953654
## Correlation_cooc.W.PET	0.6463934770	0.2396005514

## Autocorrelation_cooc.W.PET	0.2297259400	0.1912424648
## Tendency_cooc.W.PET	0.2164856889	0.1760781833
## Shade_cooc.W.PET	0.0387913556	0.1166141253
## Prominence_cooc.W.PET	0.0000475859	0.1317033869
## IC1_d.W.PET	-0.1562274403	-0.0700428153
## IC2_d.W.PET	0.7931660829	0.1957918673
## Coarseness_vdif.W.PET	0.3395700715	-0.0716187655
## Contrast_vdif.W.PET	0.4190035128	0.1003480215
## Busyness_vdif.W.PET	0.3010377677	0.2365351642
## Complexity_vdif.W.PET	0.1536608148	0.1478427626
## Strength_vdif.W.PET	0.2526796972	-0.0054728762
## SRE_align.W.PET	0.9362854284	0.2225386444
## LRE_align.W.PET	0.8303863388	0.1889529859
## GLNU_align.W.PET	0.3348328761	0.2177827742
## RLNU_align.W.PET	0.2699944285	0.1961343825
## RP_align.W.PET	0.9310070667	0.2195727253
## LGRE_align.W.PET	0.4739904554	0.0310626066
## HGRE_align.W.PET	0.2294756907	0.1881489916
## LGSRE_align.W.PET	0.5060553825	0.0327675719
## HGSRE_align.W.PET	0.2249756129	0.1863556420
## LGHRE_align.W.PET	0.3278902128	0.0185652237
## HGLRE_align.W.PET	0.2470754598	0.1942309994
## GLNU_norm_align.W.PET	0.4757372570	0.0453005207
## RLNU_norm_align.W.PET	0.9098828531	0.2128893985
## GLVAR_align.W.PET	0.2345358957	0.1771984705
## RLVAR_align.W.PET	0.3490616152	0.0711034310
## Entropy_align.W.PET	0.8576386243	0.2604296095
## SZSE.W.PET	0.8940265407	0.2202776885
## LZSE.W.PET	0.1215868830	-0.0160416495
## LGLZE.W.PET	0.4935755531	0.0590795910
## HGLZE.W.PET	0.2332620193	0.1865189615
## SZLGE.W.PET	0.5580308932	0.0719738661
## SZHGE.W.PET	0.2231737523	0.1822654836
## LZLGE.W.PET	0.0174993229	-0.0408997778
## LZHGE.W.PET	0.2488968467	0.1441066793
## GLNU_area.W.PET	0.3433814883	0.2366567614
## ZSNU.W.PET	0.2540424912	0.1944388094
## ZSP.W.PET	0.8262281967	0.1994437687
## GLNU_norm.W.PET	0.4896514024	0.0526484788
## ZSNU_norm.W.PET	0.8141869301	0.1626898028
## GLVAR_area.W.PET	0.2374165812	0.1785383313
## ZSVAR.W.PET	0.0411057186	-0.0374615784
## Entropy_area.W.PET	0.8971429862	0.2770619898
## Min_hist.ADC	0.2290200533	-0.0890896160
## Max_hist.ADC	0.9131618848	0.2684352604
## Mean_hist.ADC	0.8229377213	-0.0375789331
## Variance_hist.ADC	0.5753505136	0.1367546275
## Standard_Deviation_hist.ADC	0.8077571528	0.1940297079
## Skewness_hist.ADC	0.2326204333	0.7790233586
## Kurtosis_hist.ADC	0.1283639529	0.1765479595
## Energy_hist.ADC	0.3526734629	0.0377693135
## Entropy_hist.ADC	0.9513723092	0.2340331593
## AUC_hist.ADC	0.9408429699	0.3778513032
## Volume.ADC	0.3900541991	0.4447274897

## X3D_surface.ADC	0.5465195879	0.4612358167	
## ratio_3ds_vol.ADC	0.5023182270	0.0008349753	
## ratio_3ds_vol_norm.ADC	0.9179448349	0.3248952272	
## irregularity.ADC	0.8718449865	0.2151220812	
## Compactness_v1.ADC	0.5954585261	0.0637824924	
##	Prominence_cooc.H.ADC	IC1_d.H.ADC	IC2_d.H.ADC
## Failure	-0.03364837	-0.3051073997	0.129886505
## Entropy_cooc.W.ADC	0.08541018	0.2805047606	-0.096552797
## GLNU_align.H.PET	0.02260589	0.1982213092	-0.113209680
## Min_hist.PET	0.46713529	-0.0107596627	0.384197701
## Max_hist.PET	0.51167064	0.0188216360	0.384398272
## Mean_hist.PET	0.46775318	0.0009416630	0.373410122
## Variance_hist.PET	0.23299275	0.0753423442	0.150891478
## Standard_Deviation_hist.PET	0.48803046	0.0040701243	0.379509361
## Skewness_hist.PET	0.54190884	-0.1655815249	0.509549662
## Kurtosis_hist.PET	0.22957935	-0.0182454686	0.172832138
## Energy_hist.PET	0.30991229	-0.0662690777	0.500408775
## Entropy_hist.PET	0.85604178	-0.2018778628	0.735529031
## AUC_hist.PET	0.89859525	-0.2974628926	0.887445721
## H_suv.PET	0.50045298	-0.0468591600	0.437315924
## Volume.PET	0.41693971	-0.0216363747	0.217047032
## X3D_surface.PET	0.26330806	0.1076548993	0.115707428
## ratio_3ds_vol.PET	0.41168201	-0.2358087299	0.598761917
## ratio_3ds_vol_norm.PET	0.48505091	-0.0702807173	0.502962558
## irregularity.PET	0.85666504	-0.3447900177	0.892090051
## tumor_length.PET	0.60457406	-0.0105568611	0.451867191
## Compactness_v1.PET	0.44934750	-0.0598242122	0.558949496
## Compactness_v2.PET	0.26186676	-0.1035633458	0.166234045
## Spherical_disproportion.PET	0.48505091	-0.0702807173	0.502962558
## Sphericity.PET	0.29048315	-0.1517555405	0.172943239
## Asphericity.PET	0.46453641	-0.0612025116	0.483372096
## Center_of_mass.PET	0.41071313	-0.0225456242	0.293671370
## Max_3D_diam.PET	0.50707492	-0.0930036881	0.337570196
## Major_axis_length.PET	0.52225127	-0.0894600290	0.384737347
## Minor_axis_length.PET	0.67905030	-0.0614490273	0.482418665
## Least_axis_length.PET	0.59922220	-0.0297006064	0.379628653
## Elongation.PET	0.74127031	-0.2074353514	0.730249877
## Flatness.PET	0.71912092	-0.1692878786	0.651265784
## Max_cooc.L.PET	0.35237222	-0.0398750459	0.505652853
## Average_cooc.L.PET	0.66597985	-0.3725498726	0.759612507
## Variance_cooc.L.PET	0.50645385	-0.4256867000	0.670093060
## Entropy_cooc.L.PET	0.88299208	-0.2953338593	0.845114085
## DAVE_cooc.L.PET	0.60665663	-0.4009254384	0.749908254
## DVAR_cooc.L.PET	0.51583692	-0.3349132412	0.678302166
## DENT_cooc.L.PET	0.84940269	-0.3563905052	0.880761719
## SAVE_cooc.L.PET	0.66587604	-0.3727000100	0.759365783
## SVAR_cooc.L.PET	0.53401930	-0.4209674313	0.663297787
## SENT_cooc.L.PET	0.84831448	-0.3214082102	0.875441163
## ASM_cooc.L.PET	0.32428416	-0.0121458637	0.471539549
## Contrast_cooc.L.PET	0.39444967	-0.3759161114	0.590600416
## Dissimilarity_cooc.L.PET	0.60665663	-0.4009254384	0.749908254
## Inv_diff_cooc.L.PET	0.80595803	-0.1291325053	0.726855282
## Inv_diff_norm_cooc.L.PET	0.90396544	-0.2825055462	0.870957091
## IDM_cooc.L.PET	0.72639104	-0.0741143916	0.654065542

## IDM_norm_cooc.L.PET	0.90263657	-0.2952711164	0.878476910
## Inv_var_cooc.L.PET	0.73623525	-0.0690952079	0.653211925
## Correlation_cooc.L.PET	0.64023628	-0.1145165000	0.520543644
## Autocorrelation_cooc.L.PET	0.46495216	-0.3716297318	0.605772623
## Tendency_cooc.L.PET	0.53401930	-0.4209674313	0.663297787
## Shade_cooc.L.PET	0.31403043	-0.1947774967	0.315737907
## Prominence_cooc.L.PET	0.36546766	-0.4046507548	0.512877558
## IC1_.L.PET	-0.23413740	0.4566243791	-0.433966725
## IC2_.L.PET	0.73919508	-0.3825695944	0.852002111
## Coarseness_vdif_.L.PET	0.32491364	-0.1680259771	0.560377411
## Contrast_vdif_.L.PET	0.11248314	-0.2713074208	0.336496412
## Busyness_vdif_.L.PET	0.40758141	0.0131498912	0.220746591
## Complexity_vdif_.L.PET	0.56397367	-0.3359569188	0.713548003
## Strength_vdif_.L.PET	0.19258427	-0.3030574891	0.417420113
## SRE_align.L.PET	0.89479980	-0.3163289353	0.890173634
## LRE_align.L.PET	0.89732857	-0.2879692012	0.869620159
## GLNU_align.L.PET	0.32655881	0.0600457576	0.155076414
## RLNU_align.L.PET	0.28716245	0.0710158301	0.114338068
## RP_align.L.PET	0.89342092	-0.3180980217	0.890880227
## LGRE_align.L.PET	0.57627654	-0.1425491502	0.619320257
## HGRE_align.L.PET	0.47445979	-0.3709315709	0.624793153
## LGSRE_align.L.PET	0.57840080	-0.1433761108	0.624268909
## HGSRE_align.L.PET	0.47257462	-0.3729376999	0.625283554
## LGHRE_align.L.PET	0.56378707	-0.1371167813	0.595793467
## HGLRE_align.L.PET	0.48044107	-0.3612872049	0.620696587
## GLNU_norm_align.L.PET	0.58287637	-0.1264536515	0.681812275
## RLNU_norm_align.L.PET	0.88804208	-0.3238197742	0.892572591
## GLVAR_align.L.PET	0.52980223	-0.4169880680	0.681058118
## RLVAR_align.L.PET	0.56987851	-0.0165072720	0.577998272
## Entropy_align.L.PET	0.88080678	-0.3047608817	0.853896202
## SZSE.L.PET	0.88273785	-0.3153497927	0.876890531
## LZSE.L.PET	0.61023751	-0.1656453318	0.583035688
## LGLZE.L.PET	0.58221023	-0.1417634538	0.629194143
## HGLZE.L.PET	0.48362858	-0.3686258020	0.631490102
## SZLGE.L.PET	0.58447815	-0.1412924378	0.639936535
## SZHGE.L.PET	0.48822068	-0.3648589860	0.630314671
## LZLGE.L.PET	0.48843652	-0.1092992784	0.492695931
## LZHGE.L.PET	0.36554639	-0.2933862307	0.497430183
## GLNU_area.L.PET	0.33040270	0.0576677543	0.155526721
## ZSNU.L.PET	0.29193996	0.0645214930	0.116650455
## ZSP.L.PET	0.88199760	-0.3244326788	0.885708976
## GLNU_norm.L.PET	0.58230142	-0.1229654367	0.680620090
## ZSNU_norm.L.PET	0.87347332	-0.3324255881	0.892064584
## GLVAR_area.L.PET	0.53741561	-0.4135183477	0.688108228
## ZSVAR.L.PET	0.42729339	-0.0016951009	0.354415986
## Entropy_area.L.PET	0.88620739	-0.2945488884	0.848502837
## Max_cooc.H.PET	0.25781538	-0.2592945235	0.409669588
## Average_cooc.H.PET	0.87720233	-0.3714028580	0.897539098
## Variance_cooc.H.PET	0.75634111	-0.1837291923	0.700350505
## Entropy_cooc.H.PET	0.73409505	-0.2707803137	0.710360253
## DAVE_cooc.H.PET	0.76611503	-0.2655720591	0.770604416
## DVAR_cooc.H.PET	0.74388181	-0.2769632890	0.769592355
## DENT_cooc.H.PET	0.75529572	-0.1353337462	0.631290535
## SAVE_cooc.H.PET	0.89525790	-0.3621567417	0.889106183

## SVAR_cooc.H.PET	0.79451500	-0.1323993175	0.677912709
## SENT_cooc.H.PET	0.56685552	-0.0343764178	0.560239405
## ASM_cooc.H.PET	0.23066671	-0.2516500735	0.403236293
## Contrast_cooc.H.PET	0.66711802	-0.2545645171	0.697189234
## Dissimilarity_cooc.H.PET	0.76611503	-0.2655720591	0.770604416
## Inv_diff_cooc.H.PET	0.60736482	-0.3206957493	0.679479549
## Inv_diff_norm_cooc.H.PET	0.89742076	-0.3132424585	0.887593382
## IDM_cooc.H.PET	0.51118936	-0.3074467714	0.599921866
## IDM_norm_cooc.H.PET	0.89919234	-0.3098935030	0.886624490
## Inv_var_cooc.H.PET	0.47890194	0.0034641378	0.544250472
## Correlation_cooc.H.PET	0.63708686	-0.0776862281	0.509578420
## Autocorrelation_cooc.H.PET	0.82622966	-0.3926880944	0.869348754
## Tendency_cooc.H.PET	0.73690708	-0.1290476945	0.639408112
## Shade_cooc.H.PET	-0.33291181	0.0528455896	-0.305301209
## Prominence_cooc.H.PET	0.53874068	-0.0001461427	0.408840464
## IC1_d.H.PET	-0.15045617	0.1417943429	-0.033648585
## IC2_d.H.PET	0.72493889	-0.1667009316	0.638902206
## Coarseness_vdif.H.PET	0.30999935	-0.0317992873	0.473540332
## Contrast_vdif.H.PET	0.18948779	-0.3534411740	0.426898485
## Busyness_vdif.H.PET	0.26445846	-0.1229718151	0.100575626
## Complexity_vdif.H.PET	0.49457330	-0.1560379777	0.619848068
## Strength_vdif.H.PET	-0.01485709	-0.1963177154	0.116518085
## SRE_align.H.PET	0.86879151	-0.2667464846	0.847424222
## LRE_align.H.PET	0.59420850	-0.3219350466	0.623965384
## RLNU_align.H.PET	0.27832532	0.0760454747	0.115677426
## RP_align.H.PET	0.85488538	-0.2607207635	0.836667198
## LGRE_align.H.PET	0.33745769	0.0015404650	0.474652869
## HGRE_align.H.PET	0.82771874	-0.3915363529	0.874119282
## LGSRE_align.H.PET	0.33513324	0.0017056702	0.473088431
## HGSRE_align.H.PET	0.86367559	-0.3620802792	0.894360132
## LGHRE_align.H.PET	0.35011065	-0.0005456990	0.483264150
## HGLRE_align.H.PET	0.40876050	-0.2899771669	0.458043495
## GLNU_norm_align.H.PET	0.44527976	-0.3485599927	0.592216617
## RLNU_norm_align.H.PET	0.80542833	-0.2247891564	0.781753388
## GLVAR_align.H.PET	0.73159187	-0.1556669462	0.660705143
## RLVAR_align.H.PET	0.28075068	-0.1872434058	0.296802143
## Entropy_align.H.PET	0.82492236	-0.1690838401	0.722977745
## SZSE.H.PET	0.78595304	-0.1400043217	0.703038348
## LZSE.H.PET	-0.01218924	-0.0308260605	-0.047148430
## LGLZE.H.PET	0.33850863	0.0030896374	0.474219915
## HGLZE.H.PET	0.84308338	-0.3003629251	0.791825381
## SZLGE.H.PET	0.33333041	0.0038034673	0.470400111
## SZHGE.H.PET	0.78222134	-0.1917775447	0.718857397
## LZLGE.H.PET	0.02907727	-0.0189522585	0.013595924
## LZHGE.H.PET	-0.01752336	-0.0707075068	-0.017952268
## GLNU_area.H.PET	0.34945817	0.0394706868	0.162142268
## ZSNU.H.PET	0.23737618	0.0779652235	0.094407859
## ZSP.H.PET	0.61187911	-0.0758888806	0.534935557
## GLNU_norm.H.PET	0.44193513	-0.3618764422	0.600551321
## ZSNU_norm.H.PET	0.65750239	-0.0620267171	0.569243858
## GLVAR_area.H.PET	0.71732118	-0.1309001739	0.631580870
## ZSVAR.H.PET	-0.01467796	-0.0349916324	-0.036979746
## Entropy_area.H.PET	0.87318700	-0.2223235762	0.788118443
## Max_cooc.W.PET	0.26337355	-0.2086190482	0.444353825

## Average_cooc.W.PET	0.46821294	0.0003053675	0.366732461
## Variance_cooc.W.PET	0.23722302	0.0667926064	0.158323729
## Entropy_cooc.W.PET	0.77904787	-0.1517025461	0.685734707
## DAVE_cooc.W.PET	0.48513158	-0.0533891305	0.417086750
## DVAR_cooc.W.PET	0.25476841	0.0230802121	0.200610485
## DENT_cooc.W.PET	0.76051300	-0.1588883225	0.686743565
## SAVE_cooc.W.PET	0.46768290	0.0003121173	0.365877312
## SVAR_cooc.W.PET	0.22191681	0.0864877795	0.133765972
## SENT_cooc.W.PET	0.80150936	-0.1622115643	0.735688077
## ASM_cooc.W.PET	0.28307546	-0.1663207345	0.472592612
## Contrast_cooc.W.PET	0.25572468	0.0092627592	0.207909622
## Dissimilarity_cooc.W.PET	0.48513158	-0.0533891305	0.417086750
## Inv_diff_cooc.W.PET	0.67544734	-0.3443337495	0.745857573
## Inv_diff_norm_cooc.W.PET	0.90326802	-0.2853232943	0.872933269
## IDM_cooc.W.PET	0.55375596	-0.3267533843	0.643261484
## IDM_norm_cooc.W.PET	0.90215836	-0.2959938251	0.879235879
## Inv_var_cooc.W.PET	0.61556213	-0.3297004880	0.696882273
## Correlation_cooc.W.PET	0.64128857	-0.1086004614	0.517323662
## Autocorrelation_cooc.W.PET	0.22226021	0.0847094914	0.137069483
## Tendency_cooc.W.PET	0.22191681	0.0864877795	0.133765972
## Shade_cooc.W.PET	0.05549553	0.0623462137	0.026901842
## Prominence_cooc.W.PET	0.01121864	0.0664691385	-0.002769775
## IC1_d.W.PET	-0.16713602	0.1759111500	-0.055169459
## IC2_d.W.PET	0.76410624	-0.2325637316	0.722089407
## Coarseness_vdif.W.PET	0.28380747	-0.2175764420	0.556582725
## Contrast_vdif.W.PET	0.38303591	-0.1193314753	0.418544757
## Busyness_vdif.W.PET	0.30538286	-0.2362610726	0.244290731
## Complexity_vdif.W.PET	0.15733919	0.0692856813	0.102050733
## Strength_vdif.W.PET	0.26741666	-0.0491004895	0.254607049
## SRE_align.W.PET	0.88958453	-0.2912093200	0.873594101
## LRE_align.W.PET	0.78819560	-0.3442030300	0.801673528
## GLNU_align.W.PET	0.35552261	0.0143942548	0.166441582
## RLNU_align.W.PET	0.28249264	0.0749380029	0.115678714
## RP_align.W.PET	0.88417591	-0.2859777777	0.868379709
## LGRE_align.W.PET	0.44322973	-0.3204762114	0.566162736
## HGRE_align.W.PET	0.22027402	0.0817720557	0.137131629
## LGSRE_align.W.PET	0.47357377	-0.3224439642	0.597289259
## HGSRE_align.W.PET	0.21590760	0.0809672093	0.134809860
## LGHRE_align.W.PET	0.30750159	-0.2887735505	0.412378953
## HGLRE_align.W.PET	0.23726409	0.0851715512	0.145950072
## GLNU_norm_align.W.PET	0.43604677	-0.3233906949	0.598064750
## RLNU_norm_align.W.PET	0.86428534	-0.2646513446	0.843609378
## GLVAR_align.W.PET	0.23292424	0.0755075040	0.150493975
## RLVAR_align.W.PET	0.33223339	-0.2093432721	0.382633473
## Entropy_align.W.PET	0.82326156	-0.1746692776	0.728731394
## SZSE.W.PET	0.85577813	-0.2345517091	0.815936931
## LZSE.W.PET	0.11119287	-0.1769348076	0.170034979
## LGLZE.W.PET	0.46053178	-0.3031213977	0.578090967
## HGLZE.W.PET	0.22484398	0.0792152866	0.142150842
## SZLGE.W.PET	0.52404835	-0.2701098636	0.629988522
## SZHGE.W.PET	0.21627475	0.0758348666	0.137434640
## LZLGE.W.PET	0.02095382	-0.1393965911	0.058514953
## LZHGE.W.PET	0.22862862	0.0701245418	0.157248313
## GLNU_area.W.PET	0.36427509	0.0253709968	0.170922056

## ZSNU.W.PET	0.26576439	0.0760816171	0.108813387
## ZSP.W.PET	0.79155614	-0.1808973435	0.737465561
## GLNU_norm.W.PET	0.44716417	-0.3228587537	0.614773545
## ZSNU_norm.W.PET	0.77845431	-0.1692587660	0.731294987
## GLVAR_area.W.PET	0.23591654	0.0771630322	0.152860967
## ZSVAR.W.PET	0.03938287	-0.1238151781	0.083148377
## Entropy_area.W.PET	0.86084269	-0.2142231251	0.772981710
## Min_hist.ADC	0.17366531	-0.4983124018	0.488976180
## Max_hist.ADC	0.90873290	-0.1669420891	0.758294064
## Mean_hist.ADC	0.78726226	-0.3530537307	0.837500391
## Variance_hist.ADC	0.61526927	-0.0543675107	0.434108069
## Standard_Deviation_hist.ADC	0.82086744	-0.1690138369	0.673762557
## Skewness_hist.ADC	0.21856476	-0.1639991311	0.228461829
## Kurtosis_hist.ADC	0.10433017	0.1418235198	0.080143037
## Energy_hist.ADC	0.31190452	-0.1098489287	0.513035625
## Entropy_hist.ADC	0.93154285	-0.0768328405	0.749215718
## AUC_hist.ADC	0.90006629	-0.2816743529	0.860810023
## Volume.ADC	0.41012289	-0.0081980843	0.202881537
## X3D_surface.ADC	0.59737205	0.1978859831	0.213823425
## ratio_3ds_vol.ADC	0.41074506	-0.7449818916	0.842252706
## ratio_3ds_vol_norm.ADC	0.88740974	-0.2396542356	0.815543313
## irregularity.ADC	0.80447949	-0.4983147014	0.941571700
## Compactness_v1.ADC	0.54759037	-0.1623034097	0.686200598
##	Coarseness_vdif.H.ADC	Contrast_vdif.H.ADC	
## Failure	1.949159e-01	0.013979436	
## Entropy_cooc.W.ADC	-1.709504e-01	-0.024056214	
## GLNU_align.H.PET	-4.953947e-02	-0.103495219	
## Min_hist.PET	5.006561e-02	0.524418005	
## Max_hist.PET	3.934518e-02	0.507763657	
## Mean_hist.PET	4.155641e-02	0.523323395	
## Variance_hist.PET	-2.382065e-02	0.271122335	
## Standard_Deviation_hist.PET	7.365991e-02	0.513390544	
## Skewness_hist.PET	2.673301e-01	0.426949689	
## Kurtosis_hist.PET	8.756001e-02	0.030829545	
## Energy_hist.PET	9.008384e-01	0.415014717	
## Entropy_hist.PET	2.295859e-01	0.722437104	
## AUC_hist.PET	4.693109e-01	0.882965813	
## H_suv.PET	1.830693e-01	0.525868836	
## Volume.PET	-2.099745e-01	0.196065013	
## X3D_surface.PET	1.344057e-02	0.135056275	
## ratio_3ds_vol.PET	6.400426e-01	0.579662426	
## ratio_3ds_vol_norm.PET	5.600570e-01	0.538491543	
## irregularity.PET	4.656705e-01	0.880718437	
## tumor_length.PET	2.243987e-01	0.476210064	
## Compactness_v1.PET	8.169013e-01	0.486888545	
## Compactness_v2.PET	-2.383357e-01	0.203674845	
## Spherical_disproportion.PET	5.600570e-01	0.538491543	
## Sphericity.PET	-3.600685e-01	0.180395767	
## Asphericity.PET	5.572208e-01	0.519098763	
## Center_of_mass.PET	1.060792e-01	0.271503545	
## Max_3D_diam.PET	-1.855699e-01	0.367385686	
## Major_axis_length.PET	-5.991286e-02	0.427214232	
## Minor_axis_length.PET	5.894852e-02	0.523444252	
## Least_axis_length.PET	-5.128014e-02	0.426613499	

## Elongation.PET	4.474661e-01	0.774144289
## Flatness.PET	3.458642e-01	0.691524845
## Max_cooc.L.PET	8.942774e-01	0.420188922
## Average_cooc.L.PET	4.142913e-01	0.779436252
## Variance_cooc.L.PET	4.292706e-01	0.638371547
## Entropy_cooc.L.PET	3.638727e-01	0.882910067
## DAVE_cooc.L.PET	4.361158e-01	0.733847830
## DVAR_cooc.L.PET	4.473608e-01	0.655860373
## DENT_cooc.L.PET	4.299601e-01	0.889765244
## SAVE_cooc.L.PET	4.133659e-01	0.779286253
## SVAR_cooc.L.PET	4.123371e-01	0.636091205
## SENT_cooc.L.PET	4.946549e-01	0.894336316
## ASM_cooc.L.PET	8.913229e-01	0.394993442
## Contrast_cooc.L.PET	3.981399e-01	0.555998078
## Dissimilarity_cooc.L.PET	4.361158e-01	0.733847830
## Inv_diff_cooc.L.PET	4.410507e-01	0.721395738
## Inv_diff_norm_cooc.L.PET	4.234196e-01	0.882809336
## IDM_cooc.L.PET	4.757014e-01	0.632232551
## IDM_norm_cooc.L.PET	4.281116e-01	0.890062623
## Inv_var_cooc.L.PET	4.703958e-01	0.633077069
## Correlation_cooc.L.PET	2.613509e-01	0.562393353
## Autocorrelation_cooc.L.PET	3.865546e-01	0.602196664
## Tendency_cooc.L.PET	4.123371e-01	0.636091205
## Shade_cooc.L.PET	1.699828e-01	0.297126672
## Prominence_cooc.L.PET	3.717295e-01	0.461355135
## IC1_.L.PET	-1.222300e-01	-0.422927906
## IC2_.L.PET	5.615240e-01	0.866562556
## Coarseness_vdif_.L.PET	8.849455e-01	0.469386701
## Contrast_vdif_.L.PET	3.019516e-01	0.268060290
## Busyness_vdif_.L.PET	-1.213576e-01	0.166499391
## Complexity_vdif_.L.PET	4.689017e-01	0.696860858
## Strength_vdif_.L.PET	3.848340e-01	0.326048587
## SRE_align.L.PET	4.458557e-01	0.897841978
## LRE_align.L.PET	4.137678e-01	0.883571001
## GLNU_align.L.PET	-1.169922e-01	0.149046207
## RLNU_align.L.PET	-1.611132e-01	0.150077571
## RP_align.L.PET	4.471670e-01	0.898637918
## LGRE_align.L.PET	5.915915e-01	0.527840635
## HGRE_align.L.PET	3.933983e-01	0.628496811
## LGSRE_align.L.PET	6.017283e-01	0.533741464
## HGSRE_align.L.PET	3.956794e-01	0.627412729
## LGHRE_align.L.PET	5.494847e-01	0.502235538
## HGLRE_align.L.PET	3.825751e-01	0.631196785
## GLNU_norm_align.L.PET	8.072783e-01	0.582736114
## RLNU_norm_align.L.PET	4.523320e-01	0.900480334
## GLVAR_align.L.PET	4.268549e-01	0.662752889
## RLVAR_align.L.PET	6.895826e-01	0.540624025
## Entropy_align.L.PET	3.811727e-01	0.892008114
## SZSE.L.PET	4.518140e-01	0.871466678
## LZSE.L.PET	2.435170e-01	0.627543479
## LGLZE.L.PET	6.013182e-01	0.539530657
## HGLZE.L.PET	3.938857e-01	0.636686877
## SZLGE.L.PET	6.305875e-01	0.550950979
## SZHGE.L.PET	3.982086e-01	0.624348425

## LZLGE.L.PET	4.154618e-01	0.405385645
## LZHGE.L.PET	2.927258e-01	0.548386238
## GLNU_area.L.PET	-1.225272e-01	0.149835443
## ZSNU.L.PET	-1.681465e-01	0.149416344
## ZSP.L.PET	4.546538e-01	0.882875713
## GLNU_norm.L.PET	8.095477e-01	0.583544845
## ZSNU_norm.L.PET	4.618586e-01	0.892039844
## GLVAR_area.L.PET	4.317939e-01	0.673491711
## ZSVAR.L.PET	2.445906e-01	0.364097302
## Entropy_area.L.PET	3.729529e-01	0.888251868
## Max_cooc.H.PET	4.603822e-01	0.262575891
## Average_cooc.H.PET	4.455132e-01	0.866629187
## Variance_cooc.H.PET	2.730905e-01	0.794222455
## Entropy_cooc.H.PET	2.788572e-01	0.785033618
## DAVE_cooc.H.PET	3.345383e-01	0.811689455
## DVAR_cooc.H.PET	3.486810e-01	0.783236692
## DENT_cooc.H.PET	1.400485e-01	0.665308543
## SAVE_cooc.H.PET	4.202413e-01	0.865042537
## SVAR_cooc.H.PET	2.522060e-01	0.744671765
## SENT_cooc.H.PET	4.998503e-01	0.662922241
## ASM_cooc.H.PET	5.497086e-01	0.248351628
## Contrast_cooc.H.PET	3.128998e-01	0.734153682
## Dissimilarity_cooc.H.PET	3.345383e-01	0.811689455
## Inv_diff_cooc.H.PET	4.931903e-01	0.579618064
## Inv_diff_norm_cooc.H.PET	4.515778e-01	0.889106275
## IDM_cooc.H.PET	4.750219e-01	0.484252764
## IDM_norm_cooc.H.PET	4.423862e-01	0.893294228
## Inv_var_cooc_.H.PET	7.637244e-01	0.545882304
## Correlation_cooc.H.PET	2.468524e-01	0.583148595
## Autocorrelation_cooc.H.PET	4.620914e-01	0.809571327
## Tendency_cooc.H.PET	2.270477e-01	0.755643355
## Shade_cooc.H.PET	-1.420419e-01	-0.411891901
## Prominence_cooc.H.PET	9.451184e-02	0.572764749
## IC1_d.H.PET	2.936995e-01	-0.104465280
## IC2_d.H.PET	3.192962e-01	0.700979048
## Coarseness_vdif.H.PET	9.006796e-01	0.397017154
## Contrast_vdif.H.PET	3.552029e-01	0.292503918
## Busyness_vdif.H.PET	-3.739101e-01	-0.015663977
## Complexity_vdif.H.PET	6.251205e-01	0.648163693
## Strength_vdif.H.PET	2.163076e-01	0.030810066
## SRE_align.H.PET	4.035979e-01	0.882245858
## LRE_align.H.PET	3.603547e-01	0.540626583
## RLNU_align.H.PET	-1.511686e-01	0.160138044
## RP_align.H.PET	3.977943e-01	0.875481465
## LGRE_align.H.PET	8.811435e-01	0.416136272
## HGRE_align.H.PET	4.536163e-01	0.816785961
## LGSRE_align.H.PET	8.815244e-01	0.413928076
## HGSRE_align.H.PET	4.316993e-01	0.867623616
## LGHRE_align.H.PET	8.798409e-01	0.427577323
## HGLRE_align.H.PET	3.089307e-01	0.363294085
## GLNU_norm_align.H.PET	5.139335e-01	0.437033918
## RLNU_norm_align.H.PET	3.629268e-01	0.837294865
## GLVAR_align.H.PET	2.430934e-01	0.761900354
## RLVAR_align.H.PET	2.488990e-01	0.214157072

## Entropy_align.H.PET	2.582148e-01	0.815632207
## SZSE.H.PET	3.026559e-01	0.772969671
## LZSE.H.PET	-3.778262e-02	-0.081269870
## LGLZE.H.PET	8.788821e-01	0.416678141
## HGLZE.H.PET	3.518767e-01	0.724332876
## SZLGE.H.PET	8.798011e-01	0.409905256
## SZHGE.H.PET	2.770242e-01	0.734977088
## LZLGE.H.PET	7.448042e-02	-0.015251393
## LZHGE.H.PET	2.369039e-02	-0.064892165
## GLNU_area.H.PET	-1.655722e-01	0.150336205
## ZSNU.H.PET	-1.513553e-01	0.154038609
## ZSP.H.PET	1.936976e-01	0.617872079
## GLNU_norm.H.PET	5.253807e-01	0.464481626
## ZSNU_norm.H.PET	2.262916e-01	0.671912510
## GLVAR_area.H.PET	2.241478e-01	0.739027912
## ZSVAR_H.PET	-1.484357e-02	-0.073303727
## Entropy_area.H.PET	3.101571e-01	0.838862289
## Max_cooc.W.PET	6.508658e-01	0.306838416
## Average_cooc.W.PET	5.408178e-02	0.511456663
## Variance_cooc.W.PET	-1.239501e-02	0.266477560
## Entropy_cooc.W.PET	2.276589e-01	0.785720706
## DAVE_cooc.W.PET	1.022608e-01	0.535592813
## DVAR_cooc.W.PET	-5.783736e-05	0.307858086
## DENT_cooc.W.PET	2.451682e-01	0.774224715
## SAVE_cooc.W.PET	5.226475e-02	0.510780807
## SVAR_cooc.W.PET	-1.920880e-02	0.236122863
## SENT_cooc.W.PET	3.479968e-01	0.821195573
## ASM_cooc.W.PET	7.937703e-01	0.336337890
## Contrast_cooc.W.PET	5.429557e-03	0.321673112
## Dissimilarity_cooc.W.PET	1.022608e-01	0.535592813
## Inv_diff_cooc.W.PET	5.073412e-01	0.653174902
## Inv_diff_norm_cooc.W.PET	4.266680e-01	0.883665667
## IDM_cooc.W.PET	4.865359e-01	0.530503639
## IDM_norm_cooc.W.PET	4.293306e-01	0.890605371
## Inv_var_cooc.W.PET	5.085063e-01	0.595508400
## Correlation_cooc.W.PET	2.565492e-01	0.561084531
## Autocorrelation_cooc.W.PET	-5.279542e-02	0.278656497
## Tendency_cooc.W.PET	-1.920880e-02	0.236122863
## Shade_cooc.W.PET	7.358525e-03	0.036495984
## Prominence_cooc.W.PET	-1.343307e-02	0.018564201
## IC1_d.W.PET	3.411859e-01	-0.133518864
## IC2_d.W.PET	3.971158e-01	0.776974874
## Coarseness_vdif.W.PET	8.407044e-01	0.454694959
## Contrast_vdif.W.PET	2.646327e-01	0.489729204
## Busyness_vdif.W.PET	-7.166270e-03	0.110814809
## Complexity_vdif.W.PET	-2.406507e-02	0.174157163
## Strength_vdif.W.PET	1.632064e-01	0.213369554
## SRE_align.W.PET	4.247585e-01	0.895280274
## LRE_align.W.PET	4.319644e-01	0.760946996
## GLNU_align.W.PET	-1.493751e-01	0.126030202
## RLNU_align.W.PET	-1.526263e-01	0.155860688
## RP_align.W.PET	4.201350e-01	0.893493639
## LGRE_align.W.PET	4.815908e-01	0.417639486
## HGRE_align.W.PET	-5.870881e-02	0.285854398

## LGSRE_align.W.PET	5.055190e-01	0.451616901
## HGSRE_align.W.PET	-5.921685e-02	0.282538773
## LGHRE_align.W.PET	3.648952e-01	0.265716412
## HGLRE_align.W.PET	-5.671630e-02	0.299042329
## GLNU_norm_align.W.PET	5.992607e-01	0.440423919
## RLNU_norm_align.W.PET	4.006149e-01	0.881421054
## GLVAR_align.W.PET	-2.601269e-02	0.271025679
## RLVAR_align.W.PET	3.841806e-01	0.287320046
## Entropy_align.W.PET	2.603821e-01	0.820252816
## SZSE.W.PET	3.838437e-01	0.847461613
## LZSE.W.PET	1.673039e-01	0.112519445
## LGLZE.W.PET	4.933695e-01	0.443791337
## HGLZE.W.PET	-5.706198e-02	0.288141015
## SZLGE.W.PET	5.452907e-01	0.516823407
## SZHGE.W.PET	-5.783335e-02	0.275958921
## LZLGE.W.PET	9.185843e-02	-0.023912467
## LZHGE.W.PET	-3.729346e-03	0.335302455
## GLNU_area.W.PET	-1.581516e-01	0.139392600
## ZSNU.W.PET	-1.510652e-01	0.155221864
## ZSP.W.PET	3.154385e-01	0.788684600
## GLNU_norm.W.PET	6.115230e-01	0.466527494
## ZSNU_norm.W.PET	3.169059e-01	0.796839135
## GLVAR_area.W.PET	-2.218177e-02	0.274823894
## ZSVAR.W.PET	1.183193e-01	0.030796564
## Entropy_area.W.PET	2.979296e-01	0.843531606
## Min_hist.ADC	3.924845e-01	0.424298825
## Max_hist.ADC	2.579490e-01	0.671968759
## Mean_hist.ADC	3.655054e-01	0.773000870
## Variance_hist.ADC	1.528460e-01	0.183774597
## Standard_Deviation_hist.ADC	2.616146e-01	0.476091132
## Skewness_hist.ADC	1.777033e-01	0.167564137
## Kurtosis_hist.ADC	3.588394e-02	0.390267590
## Energy_hist.ADC	9.352150e-01	0.427333470
## Entropy_hist.ADC	2.531287e-01	0.789712005
## AUC_hist.ADC	4.309348e-01	0.846077834
## Volume.ADC	-2.215574e-01	0.178623135
## X3D_surface.ADC	-1.078830e-01	0.184741403
## ratio_3ds_vol.ADC	7.189656e-01	0.725373270
## ratio_3ds_vol_norm.ADC	3.043736e-01	0.799351036
## irregularity.ADC	5.414988e-01	0.905842574
## Compactness_v1.ADC	8.793297e-01	0.638415272
##	Busyness_vdif.H.ADC	Complexity_vdif.H.ADC
## Failure	-0.168681924	0.016903120
## Entropy_cooc.W.ADC	0.268248307	-0.032711440
## GLNU_align.H.PET	0.161785864	-0.109740156
## Min_hist.PET	0.288000436	0.524851250
## Max_hist.PET	0.331654844	0.506180022
## Mean_hist.PET	0.305771059	0.524239597
## Variance_hist.PET	0.206473405	0.274421031
## Standard_Deviation_hist.PET	0.318295191	0.512175487
## Skewness_hist.PET	0.210899453	0.415236170
## Kurtosis_hist.PET	0.080803763	0.023332034
## Energy_hist.PET	0.126583788	0.385211730
## Entropy_hist.PET	0.404690008	0.707363757

## AUC_hist.PET	0.378492945	0.862984782
## H_suv.PET	0.337968316	0.523507585
## Volume.PET	0.300170262	0.194654571
## X3D_surface.PET	0.243446064	0.126219070
## ratio_3ds_vol.PET	0.090912069	0.565413323
## ratio_3ds_vol_norm.PET	0.317244824	0.521070311
## irregularity.PET	0.285472123	0.862826971
## tumor_length.PET	0.413819984	0.459695425
## Compactness_v1.PET	0.230416923	0.458272112
## Compactness_v2.PET	0.132057121	0.210999948
## Spherical_disproportion.PET	0.317244824	0.521070311
## Sphericity.PET	0.109837006	0.190254945
## Asphericity.PET	0.311256723	0.501896043
## Center_of_mass.PET	0.304885467	0.259156594
## Max_3D_diam.PET	0.302494886	0.368853730
## Major_axis_length.PET	0.330915513	0.427182641
## Minor_axis_length.PET	0.466879633	0.513232756
## Least_axis_length.PET	0.428190078	0.416518172
## Elongation.PET	0.358580483	0.754508753
## Flatness.PET	0.361191041	0.667893099
## Max_cooc.L.PET	0.162871194	0.389563673
## Average_cooc.L.PET	0.205673676	0.766495396
## Variance_cooc.L.PET	0.062076961	0.626917630
## Entropy_cooc.L.PET	0.377783403	0.868355125
## DAVE_cooc.L.PET	0.126590267	0.723761620
## DVAR_cooc.L.PET	0.061541966	0.646956521
## DENT_cooc.L.PET	0.305054141	0.875113001
## SAVE_cooc.L.PET	0.205552881	0.766377336
## SVAR_cooc.L.PET	0.088687054	0.622715315
## SENT_cooc.L.PET	0.331034388	0.876159602
## ASM_cooc.L.PET	0.169098881	0.364434604
## Contrast_cooc.L.PET	0.011412754	0.549146827
## Dissimilarity_cooc.L.PET	0.126590267	0.723761620
## Inv_diff_cooc.L.PET	0.404904865	0.698447742
## Inv_diff_norm_cooc.L.PET	0.382930174	0.864482548
## IDM_cooc.L.PET	0.382646038	0.607317530
## IDM_norm_cooc.L.PET	0.374501947	0.872082993
## Inv_var_cooc.L.PET	0.400446873	0.608015401
## Correlation_cooc.L.PET	0.355869822	0.542602531
## Autocorrelation_cooc.L.PET	0.096377529	0.590371473
## Tendency_cooc.L.PET	0.088687054	0.622715315
## Shade_cooc.L.PET	0.094560749	0.293176447
## Prominence_cooc.L.PET	0.008108360	0.450540616
## IC1_.L.PET	0.137984329	-0.422642236
## IC2_.L.PET	0.216787616	0.848394102
## Coarseness_vdif_.L.PET	0.061458235	0.442018104
## Contrast_vdif_.L.PET	-0.093468845	0.261644260
## Busyness_vdif_.L.PET	0.300047924	0.159946048
## Complexity_vdif_.L.PET	0.129349763	0.686463142
## Strength_vdif_.L.PET	-0.148932972	0.316642453
## SRE_align.L.PET	0.356813318	0.880121827
## LRE_align.L.PET	0.374061368	0.865776147
## GLNU_align.L.PET	0.262845509	0.143297844
## RLNU_align.L.PET	0.280583239	0.147708573

## RP_align.L.PET	0.354783187	0.881010940
## LGRE_align.L.PET	0.194066793	0.504470620
## HGRE_align.L.PET	0.113661217	0.618053636
## LGSRE_align.L.PET	0.196362288	0.510215218
## HGSRE_align.L.PET	0.110358314	0.616985687
## LGHRE_align.L.PET	0.184343054	0.479635150
## HGLRE_align.L.PET	0.127153901	0.620749186
## GLNU_norm_align.L.PET	0.234326555	0.552320432
## RLNU_norm_align.L.PET	0.347831288	0.883128738
## GLVAR_align.L.PET	0.098458929	0.650946363
## RLVAR_align.L.PET	0.323645060	0.510731971
## Entropy_align.L.PET	0.374356265	0.876758693
## SZSE.L.PET	0.351363812	0.853074211
## LZSE.L.PET	0.267385549	0.617089625
## LGLZE.L.PET	0.198121878	0.515929038
## HGLZE.L.PET	0.115051599	0.626287887
## SZLGE.L.PET	0.204701904	0.526564813
## SZHGE.L.PET	0.113342019	0.613343806
## LZLGE.L.PET	0.158892479	0.386178699
## LZHGE.L.PET	0.107710052	0.542232579
## GLNU_area.L.PET	0.268723839	0.144219487
## ZSNU.L.PET	0.282936668	0.147319030
## ZSP.L.PET	0.343182900	0.865218328
## GLNU_norm.L.PET	0.236967747	0.553116130
## ZSNU_norm.L.PET	0.330327750	0.875320129
## GLVAR_area.L.PET	0.099654887	0.661864880
## ZSVAR.L.PET	0.257180461	0.348098223
## Entropy_area.L.PET	0.383911109	0.872669491
## Max_cooc.H.PET	-0.023112805	0.246411015
## Average_cooc.H.PET	0.298277405	0.848269804
## Variance_cooc.H.PET	0.375757847	0.783664883
## Entropy_cooc.H.PET	0.325589454	0.778345536
## DAVE_cooc.H.PET	0.314507703	0.802338590
## DVAR_cooc.H.PET	0.290128324	0.773841746
## DENT_cooc.H.PET	0.366034102	0.655699030
## SAVE_cooc.H.PET	0.335422778	0.846525652
## SVAR_cooc.H.PET	0.438784287	0.728942239
## SENT_cooc.H.PET	0.325792146	0.646716905
## ASM_cooc.H.PET	-0.009494546	0.229734454
## Contrast_cooc.H.PET	0.266311928	0.728120675
## Dissimilarity_cooc.H.PET	0.314507703	0.802338590
## Inv_diff_cooc.H.PET	0.169348768	0.557909880
## Inv_diff_norm_cooc.H.PET	0.359109424	0.870198475
## IDM_cooc.H.PET	0.117073700	0.463414223
## IDM_norm_cooc.H.PET	0.362354882	0.874913534
## Inv_var_cooc_.H.PET	0.288228814	0.521670710
## Correlation_cooc.H.PET	0.357678135	0.563817491
## Autocorrelation_cooc.H.PET	0.245944833	0.789932273
## Tendency_cooc.H.PET	0.401276582	0.743589727
## Shade_cooc.H.PET	-0.094068174	-0.402701931
## Prominence_cooc.H.PET	0.369313005	0.565684411
## IC1_d.H.PET	-0.074703825	-0.106848858
## IC2_d.H.PET	0.376322053	0.681770792
## Coarseness_vdif.H.PET	0.148832840	0.366989826

## Contrast_vdif.H.PET	-0.092791625	0.280399707
## Busyness_vdif.H.PET	0.151056219	-0.012838083
## Complexity_vdif.H.PET	0.189301963	0.631410027
## Strength_vdif.H.PET	-0.092158279	0.027222159
## SRE_align.H.PET	0.369337740	0.867089980
## LRE_align.H.PET	0.165045672	0.523105115
## RLNU_align.H.PET	0.280740995	0.159293494
## RP_align.H.PET	0.364188674	0.861037279
## LGRE_align.H.PET	0.187154796	0.386192695
## HGRE_align.H.PET	0.264932633	0.798845080
## LGSRE_align.H.PET	0.185765342	0.384010475
## HGSRE_align.H.PET	0.299376210	0.851837299
## LGHRE_align.H.PET	0.194607326	0.397421202
## HGLRE_align.H.PET	0.092266593	0.348531351
## GLNU_norm_align.H.PET	0.035208679	0.417294936
## RLNU_norm_align.H.PET	0.356099928	0.825329510
## GLVAR_align.H.PET	0.384180718	0.751822323
## RLVAR_align.H.PET	0.077734466	0.200118862
## Entropy_align.H.PET	0.428538727	0.804257197
## SZSE.H.PET	0.381254317	0.761379657
## LZSE.H.PET	-0.013545635	-0.083691757
## LGLZE.H.PET	0.187743199	0.386701810
## HGLZE.H.PET	0.289768818	0.706025915
## SZLGE.H.PET	0.183909768	0.379914206
## SZHGE.H.PET	0.309611108	0.723795746
## LZLGE.H.PET	0.022783283	-0.022144916
## LZHGE.H.PET	-0.034160808	-0.067741414
## GLNU_area.H.PET	0.278120047	0.145747383
## ZSNU.H.PET	0.260953105	0.156101497
## ZSP.H.PET	0.308131671	0.613346155
## GLNU_norm.H.PET	0.028413692	0.444503047
## ZSNU_norm.H.PET	0.342929351	0.665472188
## GLVAR_area.H.PET	0.388511663	0.729412108
## ZSVAR_H.PET	-0.020131263	-0.076131359
## Entropy_area.H.PET	0.426719456	0.824218225
## Max_cooc.W.PET	0.024347301	0.286267498
## Average_cooc.W.PET	0.307729303	0.511698497
## Variance_cooc.W.PET	0.190910480	0.268855935
## Entropy_cooc.W.PET	0.402423908	0.777109341
## DAVE_cooc.W.PET	0.263253420	0.536619950
## DVAR_cooc.W.PET	0.169025357	0.313156561
## DENT_cooc.W.PET	0.369969985	0.766288102
## SAVE_cooc.W.PET	0.307453355	0.511084877
## SVAR_cooc.W.PET	0.197628136	0.236990281
## SENT_cooc.W.PET	0.397944321	0.807749875
## ASM_cooc.W.PET	0.068985616	0.310092629
## Contrast_cooc.W.PET	0.156060087	0.327833460
## Dissimilarity_cooc.W.PET	0.263253420	0.536619950
## Inv_diff_cooc.W.PET	0.200699552	0.630658851
## Inv_diff_norm_cooc.W.PET	0.380339471	0.865246613
## IDM_cooc.W.PET	0.135708119	0.508836643
## IDM_norm_cooc.W.PET	0.373461636	0.872585475
## Inv_var_cooc.W.PET	0.174932756	0.572321386
## Correlation_cooc.W.PET	0.359871969	0.541470286

## Autocorrelation_cooc.W.PET	0.216503300	0.284126150
## Tendency_cooc.W.PET	0.197628136	0.236990281
## Shade_cooc.W.PET	0.075790830	0.033629862
## Prominence_cooc.W.PET	0.051301941	0.018145773
## IC1_d.W.PET	-0.038783187	-0.138972182
## IC2_d.W.PET	0.348636304	0.758289769
## Coarseness_vdif.W.PET	0.017727132	0.429382394
## Contrast_vdif.W.PET	0.121134170	0.487135837
## Busyness_vdif.W.PET	0.073056759	0.100309824
## Complexity_vdif.W.PET	0.154420524	0.176925461
## Strength_vdif.W.PET	-0.031466883	0.204026372
## SRE_align.W.PET	0.368094317	0.878605568
## LRE_align.W.PET	0.280127112	0.741967586
## GLNU_align.W.PET	0.257972631	0.118148432
## RLNU_align.W.PET	0.279782876	0.154118417
## RP_align.W.PET	0.367576594	0.877219198
## LGRE_align.W.PET	0.039164217	0.399127329
## HGRE_align.W.PET	0.222499792	0.292377779
## LGSRE_align.W.PET	0.053030214	0.432183026
## HGSRE_align.W.PET	0.217743420	0.289230295
## LGHRE_align.W.PET	-0.006647734	0.251597050
## HGLRE_align.W.PET	0.241031713	0.304878893
## GLNU_norm_align.W.PET	0.044815236	0.418574535
## RLNU_norm_align.W.PET	0.368200555	0.866610161
## GLVAR_align.W.PET	0.207073662	0.274397982
## RLVAR_align.W.PET	0.085864299	0.269854953
## Entropy_align.W.PET	0.422577685	0.809183002
## SZSE.W.PET	0.378430669	0.832132389
## LZSE.W.PET	-0.028959489	0.106155234
## LGLZE.W.PET	0.056406756	0.424813246
## HGLZE.W.PET	0.216514092	0.294418160
## SZLGE.W.PET	0.109337192	0.496422299
## SZHGE.W.PET	0.199148259	0.282202739
## LZLGE.W.PET	-0.064276400	-0.027919890
## LZHGE.W.PET	0.253857799	0.338729903
## GLNU_area.W.PET	0.274630994	0.132447150
## ZSNU.W.PET	0.272393192	0.154982826
## ZSP.W.PET	0.367768034	0.776931809
## GLNU_norm.W.PET	0.048298735	0.444406181
## ZSNU_norm.W.PET	0.364102196	0.786245728
## GLVAR_area.W.PET	0.204861141	0.278060220
## ZSVAR.W.PET	-0.047870592	0.025925328
## Entropy_area.W.PET	0.424325003	0.830045604
## Min_hist.ADC	-0.261560745	0.425382212
## Max_hist.ADC	0.530628778	0.650333368
## Mean_hist.ADC	0.234814774	0.758418422
## Variance_hist.ADC	0.416837910	0.158044310
## Standard_Deviation_hist.ADC	0.453514723	0.449427925
## Skewness_hist.ADC	0.139517259	0.167224431
## Kurtosis_hist.ADC	0.262647173	0.400924462
## Energy_hist.ADC	0.134093889	0.398949114
## Entropy_hist.ADC	0.503115329	0.768454300
## AUC_hist.ADC	0.410145173	0.827515831
## Volume.ADC	0.304556288	0.177432965

## X3D_surface.ADC	0.798205631	0.166242641	
## ratio_3ds_vol.ADC	-0.160306802	0.718833511	
## ratio_3ds_vol_norm.ADC	0.409620772	0.780951821	
## irregularity.ADC	0.189899224	0.891856291	
## Compactness_v1.ADC	0.225155106	0.610266494	
##	Strength_vdif.H.ADC	SRE_align.H.ADC	LRE_align.H.ADC
## Failure	3.362151e-01	0.0057057899	-0.013893913
## Entropy_cooc.W.ADC	-3.282858e-01	0.0207705969	0.050809900
## GLNU_align.H.PET	-1.906747e-01	-0.0460731546	-0.023771604
## Min_hist.PET	-5.989841e-02	0.5301354277	0.533308896
## Max_hist.PET	-1.054095e-01	0.5444951435	0.555646467
## Mean_hist.PET	-7.139762e-02	0.5303284482	0.534983115
## Variance_hist.PET	-1.080463e-01	0.2629999688	0.268270238
## Standard_Deviation_hist.PET	-6.851586e-02	0.5380966493	0.545249230
## Skewness_hist.PET	9.969221e-02	0.5350410943	0.544029769
## Kurtosis_hist.PET	-5.242415e-02	0.1487528004	0.169878504
## Energy_hist.PET	3.043256e-01	0.4538898981	0.434711952
## Entropy_hist.PET	6.117995e-02	0.8684582920	0.880797512
## AUC_hist.PET	2.218606e-01	0.9951849486	0.994062384
## H_suv.PET	-4.153338e-03	0.5636159419	0.568635875
## Volume.PET	-1.693725e-01	0.3212063620	0.347796019
## X3D_surface.PET	-1.366098e-01	0.2192785896	0.238462209
## ratio_3ds_vol.PET	3.295209e-01	0.5800475285	0.556468368
## ratio_3ds_vol_norm.PET	1.677715e-01	0.5863086659	0.586014853
## irregularity.PET	2.695312e-01	0.9697399623	0.960828339
## tumor_length.PET	-2.575678e-02	0.5993716117	0.620029378
## Compactness_v1.PET	2.402326e-01	0.5584931065	0.549900228
## Compactness_v2.PET	-6.076779e-02	0.2278425455	0.240188945
## Spherical_disproportion.PET	1.677715e-01	0.5863086659	0.586014853
## Sphericity.PET	-7.861454e-02	0.2265860997	0.239559101
## Asphericity.PET	1.638034e-01	0.5644461880	0.564208980
## Center_of_mass.PET	-3.045740e-02	0.3687737396	0.385841086
## Max_3D_diam.PET	-1.025323e-01	0.4565639074	0.476086201
## Major_axis_length.PET	-5.917755e-02	0.5021619083	0.518536542
## Minor_axis_length.PET	-7.480095e-02	0.6545468557	0.679535107
## Least_axis_length.PET	-1.129918e-01	0.5524448431	0.578683106
## Elongation.PET	1.739226e-01	0.8587030773	0.857857870
## Flatness.PET	1.284094e-01	0.7940481151	0.797836185
## Max_cooc.L.PET	2.738446e-01	0.4778124145	0.464044757
## Average_cooc.L.PET	3.226709e-01	0.8155722921	0.797936072
## Variance_cooc.L.PET	4.115395e-01	0.6527060716	0.625715157
## Entropy_cooc.L.PET	1.971070e-01	0.9796291987	0.979129173
## DAVE_cooc.L.PET	3.546861e-01	0.7623689260	0.739743690
## DVAR_cooc.L.PET	3.095161e-01	0.6748511154	0.654442835
## DENT_cooc.L.PET	2.693953e-01	0.9715981079	0.962782525
## SAVE_cooc.L.PET	3.224901e-01	0.8153757584	0.797748725
## SVAR_cooc.L.PET	4.096965e-01	0.6607604529	0.636495799
## SENT_cooc.L.PET	2.714265e-01	0.9773283737	0.968194656
## ASM_cooc.L.PET	2.573857e-01	0.4487040045	0.435569643
## Contrast_cooc.L.PET	3.590254e-01	0.5519754279	0.524289811
## Dissimilarity_cooc.L.PET	3.546861e-01	0.7623689260	0.739743690
## Inv_diff_cooc.L.PET	8.932716e-02	0.8516871711	0.862080866
## Inv_diff_norm_cooc.L.PET	1.942427e-01	0.9935567679	0.994234496
## IDM_cooc.L.PET	6.901785e-02	0.7628345832	0.774375768

## IDM_norm_cooc.L.PET	2.069652e-01	0.9975199523	0.996829326
## Inv_var_cooc.L.PET	6.231817e-02	0.7670288731	0.780245632
## Correlation_cooc.L.PET	9.130930e-02	0.6562503891	0.665265739
## Autocorrelation_cooc.L.PET	3.553460e-01	0.6105640270	0.588368802
## Tendency_cooc.L.PET	4.096965e-01	0.6607604529	0.636495799
## Shade_cooc.L.PET	2.017535e-01	0.3258389630	0.316954020
## Prominence_cooc.L.PET	4.252144e-01	0.4681212349	0.442597436
## IC1_.L.PET	-3.671601e-01	-0.3638656052	-0.328506768
## IC2_.L.PET	3.714327e-01	0.9046939769	0.883066144
## Coarseness_vdif_.L.PET	3.755443e-01	0.4898423692	0.462598969
## Contrast_vdif_.L.PET	2.839603e-01	0.2389858032	0.211107119
## Busyness_vdif_.L.PET	-1.682891e-01	0.3088287260	0.336112975
## Complexity_vdif_.L.PET	3.133858e-01	0.7213705673	0.700310097
## Strength_vdif_.L.PET	3.314930e-01	0.3046885393	0.273472158
## SRE_align.L.PET	2.318174e-01	0.9995168711	0.996217344
## LRE_align.L.PET	1.958308e-01	0.9910944448	0.990946499
## GLNU_align.L.PET	-1.777819e-01	0.2542969251	0.278980440
## RLNU_align.L.PET	-1.817746e-01	0.2289258334	0.250602322
## RP_align.L.PET	2.341561e-01	0.9993742090	0.995756276
## LGRE_align.L.PET	1.913556e-01	0.6324986853	0.631684766
## HGRE_align.L.PET	3.479568e-01	0.6321190577	0.609035411
## LGSRE_align.L.PET	1.954915e-01	0.6374729244	0.636268132
## HGSRE_align.L.PET	3.503704e-01	0.6306516246	0.607314133
## LGHRE_align.L.PET	1.734294e-01	0.6093364472	0.610056059
## HGLRE_align.L.PET	3.367944e-01	0.6361817792	0.614201834
## GLNU_norm_align.L.PET	2.539649e-01	0.6841758677	0.677092256
## RLNU_norm_align.L.PET	2.422529e-01	0.9981180610	0.993457386
## GLVAR_align.L.PET	3.975174e-01	0.6793859184	0.654787703
## RLVAR_align.L.PET	1.351680e-01	0.6452957446	0.648356904
## Entropy_align.L.PET	2.104150e-01	0.9845673812	0.982550621
## SZSE.L.PET	2.343657e-01	0.9775680604	0.975122939
## LZSE.L.PET	9.679401e-02	0.6910940784	0.690880027
## LGLZE.L.PET	1.913556e-01	0.6442825716	0.643384522
## HGLZE.L.PET	3.451822e-01	0.6417192137	0.618661589
## SZLGE.L.PET	2.012419e-01	0.6539714356	0.652319201
## SZHGE.L.PET	3.416360e-01	0.6367600323	0.614832856
## LZLGE.L.PET	1.173740e-01	0.5092809847	0.513830313
## LZHGE.L.PET	2.779030e-01	0.5250135646	0.503008749
## GLNU_area.L.PET	-1.781071e-01	0.2557545685	0.280563494
## ZSNU.L.PET	-1.803328e-01	0.2299683669	0.251795140
## ZSP.L.PET	2.439909e-01	0.9842040376	0.980089205
## GLNU_norm.L.PET	2.524767e-01	0.6844764053	0.677392530
## ZSNU_norm.L.PET	2.564066e-01	0.9863706841	0.979888547
## GLVAR_area.L.PET	3.951926e-01	0.6903661224	0.665680474
## ZSVAR.L.PET	-8.785527e-03	0.4475868986	0.458677189
## Entropy_area.L.PET	1.978416e-01	0.9848540627	0.984397564
## Max_cooc.H.PET	3.297157e-01	0.3148871457	0.298537470
## Average_cooc.H.PET	2.813926e-01	0.9745998890	0.968905514
## Variance_cooc.H.PET	8.526708e-02	0.8570253204	0.857927290
## Entropy_cooc.H.PET	1.826952e-01	0.8366723461	0.834024005
## DAVE_cooc.H.PET	1.579390e-01	0.8802731934	0.876388336
## DVAR_cooc.H.PET	1.674941e-01	0.8565474635	0.851145014
## DENT_cooc.H.PET	-8.325570e-03	0.7700680762	0.786200873
## SAVE_cooc.H.PET	2.598299e-01	0.9801550548	0.978259520

## SVAR_cooc.H.PET	3.021889e-02	0.8422711742	0.852238353
## SENT_cooc.H.PET	1.039022e-01	0.6961083246	0.692187511
## ASM_cooc.H.PET	3.655952e-01	0.3009228481	0.282489674
## Contrast_cooc.H.PET	1.546841e-01	0.7862066201	0.779620383
## Dissimilarity_cooc.H.PET	1.579390e-01	0.8802731934	0.876388336
## Inv_diff_cooc.H.PET	3.212399e-01	0.6769824359	0.667770749
## Inv_diff_norm_cooc.H.PET	2.339954e-01	0.9958765340	0.993310500
## IDM_cooc.H.PET	3.230060e-01	0.5731010698	0.562697439
## IDM_norm_cooc.H.PET	2.264783e-01	0.9985755065	0.996275553
## Inv_var_cooc.H.PET	1.756072e-01	0.5989736068	0.592618954
## Correlation_cooc.H.PET	5.692757e-02	0.6637380412	0.672532793
## Autocorrelation_cooc.H.PET	3.200160e-01	0.9177781596	0.909787637
## Tendency_cooc.H.PET	4.011122e-02	0.8186336700	0.823502070
## Shade_cooc.H.PET	-3.213241e-02	-0.4164272196	-0.412742522
## Prominence_cooc.H.PET	-6.388292e-02	0.6025966265	0.610542984
## IC1_d.H.PET	-2.296089e-02	-0.1075029580	-0.111613994
## IC2_d.H.PET	1.274586e-01	0.7805909911	0.783948399
## Coarseness_vdif.H.PET	2.836524e-01	0.4426626850	0.426450624
## Contrast_vdif.H.PET	3.254742e-01	0.2969889126	0.273427660
## Busyness_vdif.H.PET	-1.268368e-01	0.1160729200	0.135570386
## Complexity_vdif.H.PET	2.379725e-01	0.6674859399	0.650933287
## Strength_vdif.H.PET	2.769427e-01	0.0280552802	0.009212900
## SRE_align.H.PET	1.779345e-01	0.9734884901	0.972041458
## LRE_align.H.PET	2.821110e-01	0.6394438839	0.634950763
## RLNU_align.H.PET	-1.810241e-01	0.2285061887	0.249469494
## RP_align.H.PET	1.726325e-01	0.9617998084	0.959876216
## LGRE_align.H.PET	2.438770e-01	0.4659181394	0.452845251
## HGRE_align.H.PET	3.096010e-01	0.9228728097	0.914618076
## LGSRE_align.H.PET	2.442435e-01	0.4635102211	0.450396232
## HGSRE_align.H.PET	2.630091e-01	0.9675907239	0.960703861
## LGHRE_align.H.PET	2.433464e-01	0.4788055587	0.465951857
## HGLRE_align.H.PET	2.837830e-01	0.4398658544	0.433416959
## GLNU_norm_align.H.PET	3.776813e-01	0.5178040103	0.501882575
## RLNU_norm_align.H.PET	1.396698e-01	0.9115901331	0.910144669
## GLVAR_align.H.PET	5.802279e-02	0.8233545829	0.826576785
## RLVAR_align.H.PET	2.046377e-01	0.2846077102	0.283360170
## Entropy_align.H.PET	6.849062e-02	0.9000522853	0.906736853
## SZSE.H.PET	5.849425e-02	0.8565400550	0.861999348
## LZSE.H.PET	2.872814e-02	-0.0605402813	-0.054907806
## LGLZE.H.PET	2.420567e-01	0.4665981485	0.453521044
## HGLZE.H.PET	1.968573e-01	0.8680657021	0.872265142
## SZLGE.H.PET	2.424101e-01	0.4602465624	0.447165783
## SZHGE.H.PET	8.630197e-02	0.8322946267	0.835929436
## LZLGE.H.PET	4.563317e-02	0.0040945369	0.008286480
## LZHGE.H.PET	9.138473e-02	-0.0505147280	-0.049422051
## GLNU_area.H.PET	-1.834437e-01	0.2647743743	0.289714955
## ZSNU.H.PET	-1.718096e-01	0.1991457155	0.217229439
## ZSP.H.PET	2.685926e-05	0.6732299371	0.677956532
## GLNU_norm.H.PET	3.943030e-01	0.5310106148	0.512962205
## ZSNU_norm.H.PET	-2.077067e-03	0.7258991865	0.730313378
## GLVAR_area.H.PET	3.578168e-02	0.8019757239	0.806521181
## ZSVAR.H.PET	3.882819e-02	-0.0571737114	-0.052502148
## Entropy_area.H.PET	1.148289e-01	0.9466359732	0.953394102
## Max_cooc.W.PET	3.594546e-01	0.3549176685	0.335300191

## Average_cooc.W.PET	-6.534798e-02	0.5271383858	0.533025998
## Variance_cooc.W.PET	-9.902196e-02	0.2628836142	0.267143664
## Entropy_cooc.W.PET	4.731575e-02	0.8575911592	0.863449074
## DAVE_cooc.W.PET	-1.852161e-02	0.5534125742	0.554845905
## DVAR_cooc.W.PET	-6.978836e-02	0.2967137883	0.297519926
## DENT_cooc.W.PET	5.893933e-02	0.8426691278	0.846270992
## SAVE_cooc.W.PET	-6.588635e-02	0.5263634398	0.532279826
## SVAR_cooc.W.PET	-1.121497e-01	0.2372142169	0.243370310
## SENT_cooc.W.PET	9.762796e-02	0.8973606343	0.899104797
## ASM_cooc.W.PET	3.699297e-01	0.3915022795	0.371909039
## Contrast_cooc.W.PET	-5.612713e-02	0.3060694807	0.305001460
## Dissimilarity_cooc.W.PET	-1.852161e-02	0.5534125742	0.554845905
## Inv_diff_cooc.W.PET	3.241898e-01	0.7561413700	0.747340750
## Inv_diff_norm_cooc.W.PET	1.979417e-01	0.9939469715	0.994286112
## IDM_cooc.W.PET	3.289172e-01	0.6230455389	0.612642404
## IDM_norm_cooc.W.PET	2.079523e-01	0.9976935475	0.996864994
## Inv_var_cooc.W.PET	3.217887e-01	0.6929353217	0.683848878
## Correlation_cooc.W.PET	8.420303e-02	0.6555718696	0.665161085
## Autocorrelation_cooc.W.PET	-1.185444e-01	0.2601367771	0.265700575
## Tendency_cooc.W.PET	-1.121497e-01	0.2372142169	0.243370310
## Shade_cooc.W.PET	-6.080344e-02	0.0455975144	0.049519866
## Prominence_cooc.W.PET	-6.053885e-02	0.0137698576	0.016154950
## IC1_d.W.PET	-2.677307e-02	-0.1258036659	-0.126612570
## IC2_d.W.PET	1.968383e-01	0.8485014772	0.845146019
## Coarseness_vdif.W.PET	4.003163e-01	0.4596872584	0.428113869
## Contrast_vdif.W.PET	1.148172e-01	0.4890182243	0.475725210
## Busyness_vdif.W.PET	1.477444e-01	0.2299724545	0.235756735
## Complexity_vdif.W.PET	-9.950204e-02	0.1711571450	0.177093015
## Strength_vdif.W.PET	3.052468e-02	0.2546705178	0.248943750
## SRE_align.W.PET	2.029895e-01	0.9934085074	0.991475265
## LRE_align.W.PET	2.821249e-01	0.8679292607	0.863272968
## GLNU_align.W.PET	-1.555751e-01	0.2594941612	0.284617810
## RLNU_align.W.PET	-1.814238e-01	0.2292346449	0.250544151
## RP_align.W.PET	1.974847e-01	0.9892031803	0.987171970
## LGRE_align.W.PET	3.430796e-01	0.5004294858	0.488043613
## HGRE_align.W.PET	-1.190267e-01	0.2627960281	0.268192111
## LGSRE_align.W.PET	3.440261e-01	0.5367063917	0.524417576
## HGSRE_align.W.PET	-1.180370e-01	0.2585650616	0.263700872
## LGHRE_align.W.PET	3.165848e-01	0.3360869599	0.325147224
## HGLRE_align.W.PET	-1.227683e-01	0.2795195803	0.285914488
## GLNU_norm_align.W.PET	3.907590e-01	0.5198333042	0.502352925
## RLNU_norm_align.W.PET	1.764620e-01	0.9702749991	0.968703537
## GLVAR_align.W.PET	-1.091312e-01	0.2627810329	0.268181893
## RLVAR_align.W.PET	2.598633e-01	0.3611821775	0.355782885
## Entropy_align.W.PET	7.127050e-02	0.9025196396	0.908536508
## SZSE.W.PET	1.434682e-01	0.9430777670	0.944945142
## LZSE.W.PET	2.068228e-01	0.1298140662	0.121811138
## LGLZE.W.PET	3.282973e-01	0.5250295490	0.513585201
## HGLZE.W.PET	-1.180134e-01	0.2663269619	0.271499728
## SZLGE.W.PET	2.989530e-01	0.5997156953	0.590728026
## SZHGE.W.PET	-1.153242e-01	0.2543165957	0.258956001
## LZLGE.W.PET	1.724866e-01	-0.0004787033	-0.005702027
## LZHGE.W.PET	-7.489308e-02	0.3021174612	0.305707532
## GLNU_area.W.PET	-1.727015e-01	0.2691169202	0.294999116

## ZSNU.W.PET	-1.784265e-01	0.2174471630	0.237619469
## ZSP.W.PET	8.703316e-02	0.8726615356	0.875862150
## GLNU_norm.W.PET	3.877263e-01	0.5399774730	0.521721678
## ZSNU_norm.W.PET	8.145353e-02	0.8687726518	0.870659970
## GLVAR_area.W.PET	-1.095837e-01	0.2666642119	0.271962711
## ZSVAR.W.PET	1.575330e-01	0.0410881558	0.036155476
## Entropy_area.W.PET	1.113656e-01	0.9396594286	0.945302896
## Min_hist.ADC	5.241809e-01	0.3454849783	0.302793651
## Max_hist.ADC	4.602788e-03	0.8738083661	0.903068787
## Mean_hist.ADC	2.230736e-01	0.8675710771	0.866885759
## Variance_hist.ADC	-9.536131e-02	0.4407554672	0.481872491
## Standard_Deviation_hist.ADC	8.784933e-03	0.7187822406	0.748784346
## Skewness_hist.ADC	1.837982e-01	0.2304606178	0.226582730
## Kurtosis_hist.ADC	-8.730208e-02	0.2712063733	0.278095814
## Energy_hist.ADC	3.607788e-01	0.4634389242	0.442867565
## Entropy_hist.ADC	-4.371514e-02	0.9455812064	0.966300607
## AUC_hist.ADC	1.940354e-01	0.9754174189	0.977607785
## Volume.ADC	-1.845702e-01	0.3084608736	0.336422916
## X3D_surface.ADC	-3.514566e-01	0.4121389375	0.475242194
## ratio_3ds_vol.ADC	7.696278e-01	0.6684634801	0.607687919
## ratio_3ds_vol_norm.ADC	9.716831e-02	0.9369610572	0.943320900
## irregularity.ADC	4.305195e-01	0.9650849535	0.942797071
## Compactness_v1.ADC	3.438351e-01	0.6984797979	0.683029322
##	GLNU_align.H.ADC	RLNU_align.H.ADC	RP_align.H.ADC
## Failure	-0.1686343820	-0.169115423	0.0071996496
## Entropy_cooc.W.ADC	0.2646079313	0.263897926	0.0185240718
## GLNU_align.H.PET	0.1663278955	0.165631170	-0.0476551269
## Min_hist.PET	0.2754314722	0.276759952	0.5296630729
## Max_hist.PET	0.3168345362	0.318210355	0.5434686240
## Mean_hist.PET	0.2893234534	0.291110162	0.5297453611
## Variance_hist.PET	0.1849041331	0.186570916	0.2624598290
## Standard_Deviation_hist.PET	0.2964388562	0.298495645	0.5373410984
## Skewness_hist.PET	0.2171424252	0.215583152	0.5343003923
## Kurtosis_hist.PET	0.1011177804	0.099004160	0.1473462450
## Energy_hist.PET	0.0741400552	0.072428627	0.4551840322
## Entropy_hist.PET	0.4138205760	0.415208393	0.8672970642
## AUC_hist.PET	0.3626146528	0.363437572	0.9949377828
## H_suv.PET	0.3226032232	0.324302079	0.5630077515
## Volume.PET	0.3565900587	0.358536190	0.3191904833
## X3D_surface.PET	0.2453997630	0.247120029	0.2178101158
## ratio_3ds_vol.PET	0.0431121427	0.042276870	0.5815848900
## ratio_3ds_vol_norm.PET	0.2595189828	0.259198640	0.5861252544
## irregularity.PET	0.2643927550	0.265065480	0.9700644630
## tumor_length.PET	0.3902836709	0.391298248	0.5976686149
## Compactness_v1.PET	0.1903446530	0.189308781	0.5589817514
## Compactness_v2.PET	0.1557801976	0.157244900	0.2268385205
## Spherical_disproportion.PET	0.2595189828	0.259198640	0.5861252544
## Sphericity.PET	0.1546848691	0.156594666	0.2255411483
## Asphericity.PET	0.2529774321	0.252607452	0.5642658570
## Center_of_mass.PET	0.3019305452	0.303733140	0.3673725088
## Max_3D_diam.PET	0.3308382518	0.332790600	0.4549644730
## Major_axis_length.PET	0.3495023948	0.350980283	0.5007648305
## Minor_axis_length.PET	0.4688738213	0.470829700	0.6525153797
## Least_axis_length.PET	0.4379088238	0.440439586	0.5503321754

## Elongation.PET	0.3235688027	0.325078035	0.8585185241
## Flatness.PET	0.3339269439	0.336010620	0.7935198832
## Max_cooc.L.PET	0.1113044793	0.109520637	0.4787172130
## Average_cooc.L.PET	0.1807712859	0.183080801	0.8165323897
## Variance_cooc.L.PET	0.0398140545	0.041371124	0.6543978434
## Entropy_cooc.L.PET	0.3626908835	0.364566866	0.9793204230
## DAVE_cooc.L.PET	0.1115585601	0.113127892	0.7637450536
## DVAR_cooc.L.PET	0.0461175385	0.047193219	0.6761505664
## DENT_cooc.L.PET	0.2897418898	0.291339005	0.9719015127
## SAVE_cooc.L.PET	0.1807058038	0.183018329	0.8163351624
## SVAR_cooc.L.PET	0.0630383682	0.064691284	0.6622264785
## SENT_cooc.L.PET	0.3054321671	0.306813776	0.9776492508
## ASM_cooc.L.PET	0.1165365918	0.114829407	0.4495706943
## Contrast_cooc.L.PET	-0.0024614935	-0.001265587	0.5537978654
## Dissimilarity_cooc.L.PET	0.1115585601	0.113127892	0.7637450536
## Inv_diff_cooc.L.PET	0.3827020763	0.382642247	0.8506886510
## Inv_diff_norm_cooc.L.PET	0.3655460779	0.366639932	0.9931807473
## IDM_cooc.L.PET	0.3575343971	0.356932284	0.7617999516
## IDM_norm_cooc.L.PET	0.3572145698	0.358387754	0.9972395914
## Inv_var_cooc.L.PET	0.3754886123	0.374837092	0.7658683941
## Correlation_cooc.L.PET	0.3244652035	0.325108930	0.6553117994
## Autocorrelation_cooc.L.PET	0.0705399855	0.072720823	0.6119116265
## Tendency_cooc.L.PET	0.0630383682	0.064691284	0.6622264785
## Shade_cooc.L.PET	0.0806811440	0.080722390	0.3263156143
## Prominence_cooc.L.PET	-0.0163034920	-0.015469687	0.4697352149
## IC1_.L.PET	0.1544374536	0.153760964	-0.3662420470
## IC2_.L.PET	0.1771442704	0.177951214	0.9059312636
## Coarseness_vdif_.L.PET	0.0096842609	0.008189115	0.4916964599
## Contrast_vdif_.L.PET	-0.1053170473	-0.105244824	0.2409376403
## Busyness_vdif_.L.PET	0.3427829133	0.344670356	0.3067631860
## Complexity_vdif_.L.PET	0.1122792089	0.113066349	0.7226693131
## Strength_vdif_.L.PET	-0.1661111260	-0.166936552	0.3068429167
## SRE_align.L.PET	0.3391073970	0.340344680	0.9994245123
## LRE_align.L.PET	0.3567208283	0.357863930	0.9907773566
## GLNU_align.L.PET	0.2862544528	0.287645276	0.2524306208
## RLNU_align.L.PET	0.3031515226	0.305354377	0.2272361782
## RP_align.L.PET	0.3370860954	0.338328868	0.9993043369
## LGRE_align.L.PET	0.1722425809	0.170551430	0.6324055607
## HGRE_align.L.PET	0.0888923599	0.091116297	0.6335313796
## LGSRE_align.L.PET	0.1739329438	0.172248216	0.6374045372
## HGSRE_align.L.PET	0.0857104080	0.087911961	0.6320844544
## LGHRE_align.L.PET	0.1647656008	0.163060827	0.6091479799
## HGLRE_align.L.PET	0.1018126372	0.104120998	0.6375056818
## GLNU_norm_align.L.PET	0.1970107226	0.195430997	0.6845487818
## RLNU_norm_align.L.PET	0.3299034845	0.331163429	0.9981227264
## GLVAR_align.L.PET	0.0747587377	0.076579387	0.6808869701
## RLVAR_align.L.PET	0.2797880471	0.278716149	0.6449203064
## Entropy_align.L.PET	0.3564203118	0.358243071	0.9843634761
## SZSE.L.PET	0.3347553731	0.335989861	0.9774283921
## LZSE.L.PET	0.2494118793	0.250044505	0.6908625540
## LGLZE.L.PET	0.1761210818	0.174442276	0.6441934276
## HGLZE.L.PET	0.0900585137	0.092304778	0.6431283719
## SZLGE.L.PET	0.1815506561	0.179904218	0.6539307239
## SZHGE.L.PET	0.0894428299	0.091629118	0.6381009478

## LZLGE.L.PET	0.1434063954	0.141582351	0.5088542136
## LZHGE.L.PET	0.0808893672	0.082902692	0.5263415904
## GLNU_area.L.PET	0.2937945775	0.295313759	0.2538763933
## ZSNU.L.PET	0.3083851177	0.310720097	0.2282686067
## ZSP.L.PET	0.3274384736	0.328707771	0.9841784433
## GLNU_norm.L.PET	0.1992951475	0.197752957	0.6848500441
## ZSNU_norm.L.PET	0.3138631137	0.315182487	0.9865063191
## GLVAR_area.L.PET	0.0752582011	0.077084487	0.6918718377
## ZSVAR.L.PET	0.2262977307	0.225928034	0.4466627718
## Entropy_area.L.PET	0.3656714915	0.367434113	0.9845396587
## Max_cooc.H.PET	-0.0333756692	-0.034854712	0.3160072951
## Average_cooc.H.PET	0.2851896927	0.286095315	0.9746989277
## Variance_cooc.H.PET	0.3551764737	0.357349560	0.8566560830
## Entropy_cooc.H.PET	0.3065446288	0.308568602	0.8365694306
## DAVE_cooc.H.PET	0.3057858793	0.307548521	0.8802828415
## DVAR_cooc.H.PET	0.2829810372	0.284822401	0.8566882277
## DENT_cooc.H.PET	0.3752875194	0.376065349	0.7686367131
## SAVE_cooc.H.PET	0.3243795281	0.325385806	0.9799668236
## SVAR_cooc.H.PET	0.4312148432	0.432333154	0.8412373388
## SENT_cooc.H.PET	0.2727529354	0.273591687	0.6961462773
## ASM_cooc.H.PET	-0.0261350098	-0.027748435	0.3022101620
## Contrast_cooc.H.PET	0.2611883656	0.263025999	0.7864615783
## Dissimilarity_cooc.H.PET	0.3057858793	0.307548521	0.8802828415
## Inv_diff_cooc.H.PET	0.1536865950	0.153117816	0.6774518522
## Inv_diff_norm_cooc.H.PET	0.3403011550	0.341385136	0.9957295889
## IDM_cooc.H.PET	0.1037612787	0.102877579	0.5736993671
## IDM_norm_cooc.H.PET	0.3440514918	0.345207271	0.9984080598
## Inv_var_cooc.H.PET	0.2341449744	0.233368025	0.5992562430
## Correlation_cooc.H.PET	0.3229796578	0.323785636	0.6627974183
## Autocorrelation_cooc.H.PET	0.2329711867	0.233524516	0.9180655679
## Tendency_cooc.H.PET	0.3741924487	0.376352818	0.8179601127
## Shade_cooc.H.PET	-0.0686719505	-0.070050879	-0.4165765452
## Prominence_cooc.H.PET	0.3408304484	0.343305123	0.6017615675
## IC1_d.H.PET	-0.0733529043	-0.074164313	-0.1070854459
## IC2_d.H.PET	0.3400992337	0.341050274	0.7800162663
## Coarseness_vdif.H.PET	0.0950330944	0.093393469	0.4437471886
## Contrast_vdif.H.PET	-0.1012435225	-0.101915323	0.2986213397
## Busyness_vdif.H.PET	0.2307373903	0.233145169	0.1145879742
## Complexity_vdif.H.PET	0.1432909099	0.143343378	0.6685081114
## Strength_vdif.H.PET	-0.0984564894	-0.099071817	0.0294204414
## SRE_align.H.PET	0.3511787733	0.352665747	0.9732664778
## LRE_align.H.PET	0.1601109926	0.159781393	0.6395687410
## RLNU_align.H.PET	0.3011580174	0.303433872	0.2268671970
## RP_align.H.PET	0.3458829505	0.347406411	0.9616147394
## LGRE_align.H.PET	0.1325224339	0.131093067	0.4667673109
## HGRE_align.H.PET	0.2553646691	0.255873841	0.9231820350
## LGSRE_align.H.PET	0.1311747258	0.129735765	0.4643633595
## HGSRE_align.H.PET	0.2894019871	0.290236951	0.9677823817
## LGHRE_align.H.PET	0.1397935204	0.138405529	0.4796335929
## HGLRE_align.H.PET	0.0868126774	0.086519011	0.4402043827
## GLNU_norm_align.H.PET	0.0277264537	0.026496284	0.5188369407
## RLNU_norm_align.H.PET	0.3377759616	0.339443322	0.9113846640
## GLVAR_align.H.PET	0.3627222687	0.364940964	0.8228215845
## RLVAR_align.H.PET	0.0723067941	0.071679266	0.2846233145

## Entropy_align.H.PET	0.4086346998	0.410682023	0.8992342025
## SZSE.H.PET	0.3622822958	0.364057678	0.8558518913
## LZSE.H.PET	-0.0081675333	-0.008810011	-0.0609476300
## LGLZE.H.PET	0.1328038126	0.131399374	0.4674471422
## HGLZE.H.PET	0.2930743164	0.293629895	0.8675163171
## SZLGE.H.PET	0.1293388053	0.127896204	0.4610990505
## SZHGE.H.PET	0.3022240180	0.303328283	0.8317736020
## LZLGE.H.PET	0.0182760301	0.017139241	0.0037741696
## LZHGE.H.PET	-0.0331313339	-0.033700175	-0.0505869131
## GLNU_area.H.PET	0.3145259176	0.316619423	0.2628658564
## ZSNU.H.PET	0.2797008357	0.282028970	0.1977251289
## ZSP.H.PET	0.2962259656	0.298180877	0.6726516549
## GLNU_norm.H.PET	0.0158220021	0.014741322	0.5321855748
## ZSNU_norm.H.PET	0.3248864078	0.326719957	0.7253142979
## GLVAR_area.H.PET	0.3677825132	0.370030261	0.8013588417
## ZSVAR_H.PET	-0.0174034622	-0.018164076	-0.0575088769
## Entropy_area.H.PET	0.4111234133	0.412853960	0.9458162499
## Max_cooc.W.PET	-0.0004419069	-0.002099787	0.3562745720
## Average_cooc.W.PET	0.2852328821	0.287633051	0.5264716245
## Variance_cooc.W.PET	0.1708258036	0.172401051	0.2624265661
## Entropy_cooc.W.PET	0.3849921088	0.387141167	0.8568526919
## DAVE_cooc.W.PET	0.2488297592	0.250906066	0.5531007638
## DVAR_cooc.W.PET	0.1556501481	0.157117654	0.2965234158
## DENT_cooc.W.PET	0.3545590510	0.356551530	0.8421078088
## SAVE_cooc.W.PET	0.2850614193	0.287465539	0.5256947136
## SVAR_cooc.W.PET	0.1754049474	0.176900600	0.2366159307
## SENT_cooc.W.PET	0.3710293964	0.372807060	0.8969089616
## ASM_cooc.W.PET	0.0315039357	0.029662435	0.3928531335
## Contrast_cooc.W.PET	0.1434357399	0.145080809	0.3060219440
## Dissimilarity_cooc.W.PET	0.2488297592	0.250906066	0.5531007638
## Inv_diff_cooc.W.PET	0.1865132950	0.186135740	0.7565562785
## Inv_diff_norm_cooc.W.PET	0.3627266428	0.363811353	0.9935952999
## IDM_cooc.W.PET	0.1231678259	0.122386178	0.6236270012
## IDM_norm_cooc.W.PET	0.3560461955	0.357217255	0.9974230414
## Inv_var_cooc.W.PET	0.1602138509	0.159553458	0.6933958930
## Correlation_cooc.W.PET	0.3287181685	0.329353862	0.6545906500
## Autocorrelation_cooc.W.PET	0.1932382400	0.195228651	0.2595571360
## Tendency_cooc.W.PET	0.1754049474	0.176900600	0.2366159307
## Shade_cooc.W.PET	0.0628526001	0.062985646	0.0452611634
## Prominence_cooc.W.PET	0.0375822441	0.037873757	0.0135452740
## IC1_d.W.PET	-0.0383080431	-0.039346412	-0.1256086984
## IC2_d.W.PET	0.3102747805	0.311141050	0.8484072016
## Coarseness_vdif.W.PET	-0.0300461715	-0.031518192	0.4618614170
## Contrast_vdif.W.PET	0.1002888982	0.102169611	0.4898201599
## Busyness_vdif.W.PET	0.1113957439	0.112044338	0.2294584520
## Complexity_vdif.W.PET	0.1362953759	0.137061576	0.1706255148
## Strength_vdif.W.PET	-0.0463355050	-0.046626310	0.2550181429
## SRE_align.W.PET	0.3500208738	0.351381118	0.9932172239
## LRE_align.W.PET	0.2664403025	0.266982247	0.8679851868
## GLNU_align.W.PET	0.2939152814	0.295407410	0.2575905191
## RLNU_align.W.PET	0.3006746063	0.302882916	0.2275716314
## RP_align.W.PET	0.3494423917	0.350835042	0.9890193770
## LGRE_align.W.PET	0.0347898758	0.033267959	0.5011943771
## HGRE_align.W.PET	0.2002259352	0.202205257	0.2622295687

## LGSRE_align.W.PET	0.0470356883	0.045534323	0.5374519832
## HGSRE_align.W.PET	0.1958291204	0.197786302	0.2580204792
## LGHRE_align.W.PET	-0.0054171348	-0.006884034	0.3367972502
## HGLRE_align.W.PET	0.2171550180	0.219219602	0.2788685137
## GLNU_norm_align.W.PET	0.0307436154	0.029347768	0.5209822012
## RLNU_norm_align.W.PET	0.3496673311	0.351179019	0.9700613139
## GLVAR_align.W.PET	0.1855554461	0.187214097	0.2622310675
## RLVAR_align.W.PET	0.0723730639	0.071520112	0.3614789623
## Entropy_align.W.PET	0.4033737082	0.405421023	0.9017536441
## SZSE.W.PET	0.3609267991	0.362424505	0.9426298263
## LZSE.W.PET	-0.0353940193	-0.036044204	0.1303488018
## LGLZE.W.PET	0.0488524214	0.047390236	0.5257187497
## HGLZE.W.PET	0.1948485621	0.196788292	0.2657797608
## SZLGE.W.PET	0.0960298576	0.094637370	0.6002009595
## SZHGE.W.PET	0.1792498830	0.181097180	0.2538207413
## LZLGE.W.PET	-0.0603482492	-0.061225759	-0.0001005074
## LZHGE.W.PET	0.2156447065	0.217550372	0.3016296595
## GLNU_area.W.PET	0.3117182585	0.313475690	0.2671496999
## ZSNU.W.PET	0.2931339550	0.295409316	0.2158717311
## ZSP.W.PET	0.3535906942	0.355268605	0.8721332845
## GLNU_norm.W.PET	0.0316105167	0.030252664	0.5411740416
## ZSNU_norm.W.PET	0.3471585279	0.348842829	0.8683309670
## GLVAR_area.W.PET	0.1829021660	0.184518089	0.2661238722
## ZSVAR.W.PET	-0.0537769211	-0.054457408	0.0414312150
## Entropy_area.W.PET	0.4059345422	0.407792562	0.9389174128
## Min_hist.ADC	-0.2912786934	-0.292006175	0.3485622934
## Max_hist.ADC	0.5432192495	0.543416122	0.8713593381
## Mean_hist.ADC	0.2292532178	0.229384860	0.8673720484
## Variance_hist.ADC	0.4657159692	0.463467942	0.4376439565
## Standard_Deviation_hist.ADC	0.4854835860	0.484586193	0.7163765174
## Skewness_hist.ADC	0.1401046139	0.140634600	0.2305681933
## Kurtosis_hist.ADC	0.1943452115	0.195895704	0.2703724680
## Energy_hist.ADC	0.0798898464	0.078140656	0.4648377087
## Entropy_hist.ADC	0.4952606099	0.496690407	0.9437480641
## AUC_hist.ADC	0.4012082364	0.402723393	0.9749117487
## Volume.ADC	0.3623699499	0.364407730	0.3063495666
## X3D_surface.ADC	0.8433556902	0.843577999	0.4072771676
## ratio_3ds_vol.ADC	-0.1904420480	-0.190855335	0.6727247388
## ratio_3ds_vol_norm.ADC	0.4144314652	0.416274726	0.9361870835
## irregularity.ADC	0.1713325331	0.171997575	0.9664120465
## Compactness_v1.ADC	0.1711648036	0.170074087	0.6994121087
##	LGRE_align.H.ADC	HGRE_align.H.ADC	LGSRE_align.H.ADC
## Failure	0.0328158824	0.0039625426	3.695261e-02
## Entropy_cooc.W.ADC	-0.0123595801	0.0230256711	-1.939845e-02
## GLNU_align.H.PET	0.0209178190	-0.0484450473	1.539246e-02
## Min_hist.PET	0.2669207404	0.5351855357	2.605237e-01
## Max_hist.PET	0.2782410925	0.5503521461	2.679653e-01
## Mean_hist.PET	0.2624152342	0.5361203406	2.550014e-01
## Variance_hist.PET	0.1205722901	0.2667689884	1.139809e-01
## Standard_Deviation_hist.PET	0.2940372814	0.5425453040	2.846312e-01
## Skewness_hist.PET	0.4078145062	0.5315592369	3.991554e-01
## Kurtosis_hist.PET	0.1646563207	0.1462549169	1.559413e-01
## Energy_hist.PET	0.9432507441	0.4039101034	9.480833e-01
## Entropy_hist.PET	0.5008927641	0.8746666089	4.893996e-01

## AUC_hist.PET	0.7108618987	0.9913337102	7.005703e-01
## H_suv.PET	0.3870410630	0.5626234448	3.794216e-01
## Volume.PET	-0.0251743385	0.3412899376	-3.535383e-02
## X3D_surface.PET	0.1596515436	0.2187852359	1.519486e-01
## ratio_3ds_vol.PET	0.7012571794	0.5542145922	7.037392e-01
## ratio_3ds_vol_norm.PET	0.6938548594	0.5629629156	6.874071e-01
## irregularity.PET	0.6766536912	0.9665298247	6.687046e-01
## tumor_length.PET	0.4425394204	0.5974945430	4.278866e-01
## Compactness_v1.PET	0.9213586904	0.5167967335	9.206808e-01
## Compactness_v2.PET	-0.1453281883	0.2521802381	-1.555289e-01
## Spherical_disproportion.PET	0.6938548594	0.5629629156	6.874071e-01
## Sphericity.PET	-0.2614646933	0.2593092274	-2.709361e-01
## Asphericity.PET	0.6855178878	0.5406277808	6.793075e-01
## Center_of_mass.PET	0.2516209314	0.3698013885	2.407066e-01
## Max_3D_diam.PET	0.0098174284	0.4795789562	-2.826198e-03
## Major_axis_length.PET	0.1362832732	0.5176286359	1.249084e-01
## Minor_axis_length.PET	0.3131138910	0.6651829770	2.969253e-01
## Least_axis_length.PET	0.1842029157	0.5676723523	1.685461e-01
## Elongation.PET	0.6629788833	0.8517303330	6.537650e-01
## Flatness.PET	0.5576632531	0.7918829963	5.470507e-01
## Max_cooc.L.PET	0.9581401120	0.4285543132	9.607824e-01
## Average_cooc.L.PET	0.5478351221	0.8149347474	5.436695e-01
## Variance_cooc.L.PET	0.4649436814	0.6492289337	4.654243e-01
## Entropy_cooc.L.PET	0.6096376144	0.9832074978	5.983221e-01
## DAVE_cooc.L.PET	0.5379416546	0.7590449319	5.366227e-01
## DVAR_cooc.L.PET	0.5442979403	0.6674512706	5.426775e-01
## DENT_cooc.L.PET	0.6419082671	0.9716442815	6.337129e-01
## SAVE_cooc.L.PET	0.5468925430	0.8148004884	5.427212e-01
## SVAR_cooc.L.PET	0.4503143036	0.6591171488	4.493479e-01
## SENT_cooc.L.PET	0.7090763828	0.9720931535	7.014536e-01
## ASM_cooc.L.PET	0.9539392772	0.3983344723	9.568887e-01
## Contrast_cooc.L.PET	0.4253363854	0.5460694196	4.280496e-01
## Dissimilarity_cooc.L.PET	0.5379416546	0.7590449319	5.366227e-01
## Inv_diff_cooc.L.PET	0.6953344813	0.8421822117	6.827805e-01
## Inv_diff_norm_cooc.L.PET	0.6762580435	0.9923810143	6.648367e-01
## IDM_cooc.L.PET	0.7107940420	0.7477232381	6.991125e-01
## IDM_norm_cooc.L.PET	0.6766413763	0.9964820992	6.656097e-01
## Inv_var_cooc.L.PET	0.7097210131	0.7524003709	6.977531e-01
## Correlation_cooc.L.PET	0.4386776012	0.6560803600	4.271910e-01
## Autocorrelation_cooc.L.PET	0.4345958444	0.6084609781	4.338583e-01
## Tendency_cooc.L.PET	0.4503143036	0.6591171488	4.493479e-01
## Shade_cooc.L.PET	0.1890838274	0.3263373785	1.883610e-01
## Prominence_cooc.L.PET	0.3354671600	0.4651787027	3.375377e-01
## IC1_.L.PET	-0.0632298037	-0.3735165747	-6.827232e-02
## IC2_.L.PET	0.7012311047	0.8951008633	6.977051e-01
## Coarseness_vdif_.L.PET	0.9047968437	0.4440709670	9.114805e-01
## Contrast_vdif_.L.PET	0.2580157562	0.2285438815	2.643060e-01
## Busyness_vdif_.L.PET	0.0651425731	0.3207335738	5.410954e-02
## Complexity_vdif_.L.PET	0.5794294772	0.7123504374	5.788007e-01
## Strength_vdif_.L.PET	0.3448474087	0.2904881569	3.527806e-01
## SRE_align.L.PET	0.6841433648	0.9979184043	6.740015e-01
## LRE_align.L.PET	0.6638278700	0.9905717075	6.523715e-01
## GLNU_align.L.PET	0.0510181079	0.2640043988	4.072144e-02
## RLNU_align.L.PET	0.0006320045	0.2406558820	-8.319765e-03

## RP_align.L.PET	0.6844270890	0.9977239002	6.743916e-01
## LGRE_align.L.PET	0.7292300223	0.6084274987	7.235751e-01
## HGRE_align.L.PET	0.4534819312	0.6293633878	4.530468e-01
## LGSRE_align.L.PET	0.7396660479	0.6128390022	7.341548e-01
## HGSRE_align.L.PET	0.4542281419	0.6277558594	4.539302e-01
## LGHRE_align.L.PET	0.6853692246	0.5875216313	6.791826e-01
## HGLRE_align.L.PET	0.4487490483	0.6340128952	4.477351e-01
## GLNU_norm_align.L.PET	0.9452589281	0.6465375620	9.426557e-01
## RLNU_norm_align.L.PET	0.6856654073	0.9962458070	6.759952e-01
## GLVAR_align.L.PET	0.4775484184	0.6767250593	4.767760e-01
## RLVAR_align.L.PET	0.8621352141	0.6123731934	8.556652e-01
## Entropy_align.L.PET	0.6219618046	0.9871893170	6.110610e-01
## SZSE.L.PET	0.6827427107	0.9753569227	6.731473e-01
## LZSE.L.PET	0.4297646084	0.6920334219	4.197474e-01
## LGLZE.L.PET	0.7438553336	0.6198043311	7.381141e-01
## HGLZE.L.PET	0.4589514506	0.6389855994	4.584701e-01
## SZLGE.L.PET	0.7739993240	0.6278336433	7.687917e-01
## SZHGE.L.PET	0.4642300684	0.6336019289	4.639433e-01
## LZLGE.L.PET	0.5342346149	0.4937734574	5.266673e-01
## LZHGE.L.PET	0.3430550204	0.5241304065	3.416827e-01
## GLNU_area.L.PET	0.0466702130	0.2659092236	3.654416e-02
## ZSNU.L.PET	-0.0059696367	0.2424058772	-1.475415e-02
## ZSP.L.PET	0.6839620467	0.9820547880	6.747945e-01
## GLNU_norm.L.PET	0.9485283031	0.6466255199	9.459434e-01
## ZSNU_norm.L.PET	0.6860827429	0.9837941267	6.775108e-01
## GLVAR_area.L.PET	0.4876941602	0.6874800466	4.868609e-01
## ZSVAR.L.PET	0.3935202515	0.4398191139	3.826744e-01
## Entropy_area.L.PET	0.6189567891	0.9877806147	6.074343e-01
## Max_cooc.H.PET	0.4211350380	0.2986577774	4.235779e-01
## Average_cooc.H.PET	0.6498640891	0.9745065017	6.404063e-01
## Variance_cooc.H.PET	0.5304986016	0.8595724752	5.206700e-01
## Entropy_cooc.H.PET	0.4799935356	0.8423821329	4.700483e-01
## DAVE_cooc.H.PET	0.5690423363	0.8813247682	5.609971e-01
## DVAR_cooc.H.PET	0.5748819462	0.8561661038	5.682698e-01
## DENT_cooc.H.PET	0.4059083336	0.7794743322	3.929891e-01
## SAVE_cooc.H.PET	0.6355847496	0.9817719308	6.249222e-01
## SVAR_cooc.H.PET	0.5297381899	0.8444409590	5.185402e-01
## SENT_cooc.H.PET	0.7035708152	0.6766606071	6.981970e-01
## ASM_cooc.H.PET	0.4909898317	0.2786562629	4.945250e-01
## Contrast_cooc.H.PET	0.5189976941	0.7863054281	5.133479e-01
## Dissimilarity_cooc.H.PET	0.5690423363	0.8813247682	5.609971e-01
## Inv_diff_cooc.H.PET	0.5781143561	0.6673596871	5.736251e-01
## Inv_diff_norm_cooc.H.PET	0.6867291794	0.9939084967	6.762258e-01
## IDM_cooc.H.PET	0.5235234721	0.5624228070	5.207020e-01
## IDM_norm_cooc.H.PET	0.6819882077	0.9970967753	6.713774e-01
## Inv_var_cooc_.H.PET	0.9132979502	0.5592047866	9.110440e-01
## Correlation_cooc.H.PET	0.4423819053	0.6633477543	4.308177e-01
## Autocorrelation_cooc.H.PET	0.6279559605	0.9165511934	6.197077e-01
## Tendency_cooc.H.PET	0.4891626034	0.8222835537	4.779544e-01
## Shade_cooc.H.PET	-0.2662785835	-0.4170837152	-2.624909e-01
## Prominence_cooc.H.PET	0.3301518909	0.6074137056	3.202669e-01
## IC1_d.H.PET	0.2947659478	-0.1344326953	3.012521e-01
## IC2_d.H.PET	0.5238934793	0.7792283989	5.128567e-01
## Coarseness_vdif.H.PET	0.9487893234	0.3920656532	9.527625e-01

## Contrast_vdif.H.PET	0.3124284866	0.2875816569	3.174343e-01
## Busyness_vdif.H.PET	-0.2831266302	0.1438487601	-2.894820e-01
## Complexity_vdif.H.PET	0.7614384949	0.6420855849	7.614304e-01
## Strength_vdif.H.PET	0.0925845662	0.0210167390	9.771123e-02
## SRE_align.H.PET	0.6591297960	0.9723410502	6.487174e-01
## LRE_align.H.PET	0.4438134886	0.6386049520	4.374535e-01
## RLNU_align.H.PET	0.0124975628	0.2394828941	3.919862e-03
## RP_align.H.PET	0.6523316434	0.9605058291	6.422023e-01
## LGRE_align.H.PET	0.9565474612	0.4161715159	9.592801e-01
## HGRE_align.H.PET	0.6271078756	0.9217105311	6.192628e-01
## LGSRE_align.H.PET	0.9559752429	0.4136889548	9.587544e-01
## HGSRE_align.H.PET	0.6440193916	0.9671236631	6.353843e-01
## LGHRE_align.H.PET	0.9594998534	0.4294654811	9.619669e-01
## HGLRE_align.H.PET	0.3230984492	0.4382399696	3.192620e-01
## GLNU_norm_align.H.PET	0.5207453369	0.5044586025	5.207015e-01
## RLNU_norm_align.H.PET	0.6163154823	0.9103992925	6.065962e-01
## GLVAR_align.H.PET	0.5003476682	0.8266386623	4.900750e-01
## RLVAR_align.H.PET	0.2458707100	0.2812158663	2.423418e-01
## Entropy_align.H.PET	0.5356482075	0.9048393381	5.228364e-01
## SZSE.H.PET	0.5757856012	0.8558947135	5.653985e-01
## LZSE.H.PET	-0.0828306630	-0.0561009519	-8.520479e-02
## LGLZE.H.PET	0.9553618023	0.4169642950	9.580790e-01
## HGLZE.H.PET	0.5582551912	0.8704666693	5.471815e-01
## SZLGE.H.PET	0.9540914207	0.4104061615	9.569251e-01
## SZHGE.H.PET	0.5300106755	0.8337303577	5.203012e-01
## LZLGE.H.PET	0.0444129052	0.0018733427	4.241134e-02
## LZHGE.H.PET	-0.0447654806	-0.0485144930	-4.624550e-02
## GLNU_area.H.PET	0.0099078414	0.2781515631	1.252141e-05
## ZSNU.H.PET	0.0009668449	0.2095355425	-5.878708e-03
## ZSP.H.PET	0.4336731828	0.6740373898	4.257503e-01
## GLNU_norm.H.PET	0.5289743531	0.5176144947	5.294431e-01
## ZSNU_norm.H.PET	0.4846984763	0.7248990894	4.763193e-01
## GLVAR_area.H.PET	0.4847451383	0.8054758636	4.743453e-01
## ZSVAR.H.PET	-0.0629915618	-0.0540195041	-6.511897e-02
## Entropy_area.H.PET	0.5816089264	0.9507974276	5.679424e-01
## Max_cooc.W.PET	0.6187421292	0.3253720412	6.226993e-01
## Average_cooc.W.PET	0.2685321218	0.5330630093	2.597962e-01
## Variance_cooc.W.PET	0.1287042930	0.2659644297	1.224886e-01
## Entropy_cooc.W.PET	0.5019938899	0.8627144716	4.899764e-01
## DAVE_cooc.W.PET	0.3067985082	0.5575243564	2.998012e-01
## DVAR_cooc.W.PET	0.1406018572	0.3004568535	1.359572e-01
## DENT_cooc.W.PET	0.5111324552	0.8461643982	5.002955e-01
## SAVE_cooc.W.PET	0.2666413086	0.5323936372	2.578968e-01
## SVAR_cooc.W.PET	0.1184016153	0.2398901456	1.114944e-01
## SENT_cooc.W.PET	0.6157598864	0.8952113576	6.053209e-01
## ASM_cooc.W.PET	0.7748560877	0.3518901774	7.791815e-01
## Contrast_cooc.W.PET	0.1429880258	0.3099993210	1.391341e-01
## Dissimilarity_cooc.W.PET	0.3067985082	0.5575243564	2.998012e-01
## Inv_diff_cooc.W.PET	0.6177499018	0.7475188086	6.123490e-01
## Inv_diff_norm_cooc.W.PET	0.6779266232	0.9926423624	6.665857e-01
## IDM_cooc.W.PET	0.5490697402	0.6129524213	5.457536e-01
## IDM_norm_cooc.W.PET	0.6774869017	0.9965860987	6.664837e-01
## Inv_var_cooc.W.PET	0.5991020390	0.6825549806	5.948478e-01
## Correlation_cooc.W.PET	0.4369656658	0.6554970067	4.253511e-01

## Autocorrelation_cooc.W.PET	0.0948818568	0.2656898425	8.862309e-02
## Tendency_cooc.W.PET	0.1184016153	0.2398901456	1.114944e-01
## Shade_cooc.W.PET	0.0525440544	0.0442163158	4.757951e-02
## Prominence_cooc.W.PET	0.0192648583	0.0133465508	1.487176e-02
## IC1_d.W.PET	0.3386688812	-0.1563198406	3.444660e-01
## IC2_d.W.PET	0.5941971514	0.8446782677	5.849612e-01
## Coarseness_vdif.W.PET	0.8370093253	0.4170309802	8.450198e-01
## Contrast_vdif.W.PET	0.3899786146	0.4827612929	3.890587e-01
## Busyness_vdif.W.PET	-0.0075791505	0.2432803281	-1.269637e-02
## Complexity_vdif.W.PET	0.0830900335	0.1734571999	7.660163e-02
## Strength_vdif.W.PET	0.2442828099	0.2471119156	2.430064e-01
## SRE_align.W.PET	0.6747160812	0.9921694188	6.641926e-01
## LRE_align.W.PET	0.5971085789	0.8666004057	5.882633e-01
## GLNU_align.W.PET	0.0056611356	0.2727770521	-5.066932e-03
## RLNU_align.W.PET	0.0103461855	0.2403225399	1.583116e-03
## RP_align.W.PET	0.6715213023	0.9879408461	6.610967e-01
## LGRE_align.W.PET	0.4960697401	0.4879712626	4.947574e-01
## HGRE_align.W.PET	0.0899117053	0.2687891410	8.375721e-02
## LGSRE_align.W.PET	0.5330558423	0.5232193514	5.313962e-01
## HGSRE_align.W.PET	0.0876246797	0.2645046036	8.162293e-02
## LGHRE_align.W.PET	0.3307758342	0.3282315476	3.303253e-01
## HGLRE_align.W.PET	0.0987185266	0.2857273972	9.193387e-02
## GLNU_norm_align.W.PET	0.6040897009	0.5000601010	6.050275e-01
## RLNU_norm_align.W.PET	0.6557301546	0.9691830764	6.453486e-01
## GLVAR_align.W.PET	0.1186671835	0.2666870570	1.120158e-01
## RLVAR_align.W.PET	0.3862363524	0.3507931361	3.836188e-01
## Entropy_align.W.PET	0.5377811449	0.9072544734	5.251391e-01
## SZSE.W.PET	0.6466299020	0.9417086551	6.361534e-01
## LZSE.W.PET	0.1086981174	0.1285017394	1.078997e-01
## LGLZE.W.PET	0.5241120466	0.5118553111	5.223273e-01
## HGLZE.W.PET	0.0923408354	0.2722828052	8.615892e-02
## SZLGE.W.PET	0.6186057865	0.5832560488	6.158550e-01
## SZHGE.W.PET	0.0868571251	0.2601161561	8.110663e-02
## LZLGE.W.PET	0.0023296475	-0.0000942667	2.508652e-03
## LZHGE.W.PET	0.1321626358	0.3063959555	1.244014e-01
## GLNU_area.W.PET	0.0109631887	0.2826036124	3.870259e-04
## ZSNU.W.PET	0.0088843956	0.2281856850	9.869932e-04
## ZSP.W.PET	0.5816143560	0.8724030246	5.716438e-01
## GLNU_norm.W.PET	0.6262715132	0.5194886562	6.273749e-01
## ZSNU_norm.W.PET	0.5847519483	0.8677741560	5.750528e-01
## GLVAR_area.W.PET	0.1239658579	0.2703469634	1.172626e-01
## ZSVAR.W.PET	0.0528446209	0.0398636849	5.229233e-02
## Entropy_area.W.PET	0.5676492770	0.9442306037	5.544324e-01
## Min_hist.ADC	0.2644851492	0.3421141989	2.716081e-01
## Max_hist.ADC	0.5580153843	0.8778639890	5.404729e-01
## Mean_hist.ADC	0.5648123857	0.8696986201	5.545214e-01
## Variance_hist.ADC	0.3476833586	0.4392023859	3.348040e-01
## Standard_Deviation_hist.ADC	0.5044302198	0.7184906860	4.908683e-01
## Skewness_hist.ADC	0.1724785855	0.2284104604	1.698794e-01
## Kurtosis_hist.ADC	0.1732002245	0.2713204890	1.634536e-01
## Energy_hist.ADC	0.9510001185	0.4137241719	9.554448e-01
## Entropy_hist.ADC	0.6045081088	0.9484648204	5.888361e-01
## AUC_hist.ADC	0.6823794811	0.9730032510	6.711771e-01
## Volume.ADC	-0.0336284511	0.3287500736	-4.403398e-02

## X3D_surface.ADC	0.1942984589	0.4215376677	1.742082e-01
## ratio_3ds_vol.ADC	0.5834938193	0.6537663210	5.926356e-01
## ratio_3ds_vol_norm.ADC	0.5837143790	0.9397150467	5.725524e-01
## irregularity.ADC	0.6698668727	0.9619553954	6.645094e-01
## Compactness_v1.ADC	0.9805038917	0.6588963666	9.797947e-01
##	HGSRE_align.H.ADC	LGHRE_align.H.ADC	
## Failure	0.008329795	0.0084533130	
## Entropy_cooc.W.ADC	0.016613634	0.0267315923	
## GLNU_align.H.PET	-0.052950773	0.0481402305	
## Min_hist.PET	0.533775322	0.3001573869	
## Max_hist.PET	0.547558718	0.3290585558	
## Mean_hist.PET	0.534626185	0.3023487236	
## Variance_hist.PET	0.265784858	0.1578946137	
## Standard_Deviation_hist.PET	0.540785758	0.3428142428	
## Skewness_hist.PET	0.528882930	0.4348081974	
## Kurtosis_hist.PET	0.141901952	0.1962142581	
## Energy_hist.PET	0.406437100	0.8986353537	
## Entropy_hist.PET	0.871228758	0.5445941389	
## AUC_hist.PET	0.990633554	0.7506890891	
## H_suv.PET	0.561112091	0.4281598171	
## Volume.PET	0.335791108	0.0225849781	
## X3D_surface.PET	0.214030402	0.1954529361	
## ratio_3ds_vol.PET	0.557838803	0.6746591682	
## ratio_3ds_vol_norm.PET	0.562151921	0.7173434506	
## irregularity.PET	0.967316693	0.7047024290	
## tumor_length.PET	0.592879117	0.5137557451	
## Compactness_v1.PET	0.517566869	0.9070234878	
## Compactness_v2.PET	0.250307359	-0.0847923151	
## Spherical_disproportion.PET	0.562151921	0.7173434506	
## Sphericity.PET	0.257120442	-0.2058291690	
## Asphericity.PET	0.539815314	0.7079791088	
## Center_of_mass.PET	0.366104005	0.3025736800	
## Max_3D_diam.PET	0.475338701	0.0749708844	
## Major_axis_length.PET	0.513906633	0.1926391261	
## Minor_axis_length.PET	0.659615986	0.3926304105	
## Least_axis_length.PET	0.561948224	0.2645817158	
## Elongation.PET	0.851096794	0.7000429622	
## Flatness.PET	0.790347213	0.6060178238	
## Max_cooc.L.PET	0.430199939	0.9242590423	
## Average_cooc.L.PET	0.818225366	0.5663926835	
## Variance_cooc.L.PET	0.654287307	0.4577270436	
## Entropy_cooc.L.PET	0.982846881	0.6595964205	
## DAVE_cooc.L.PET	0.762970030	0.5375790639	
## DVAR_cooc.L.PET	0.671263043	0.5415920521	
## DENT_cooc.L.PET	0.972706181	0.6741513935	
## SAVE_cooc.L.PET	0.818090484	0.5655023995	
## SVAR_cooc.L.PET	0.663832787	0.4514858820	
## SENT_cooc.L.PET	0.973043303	0.7364267860	
## ASM_cooc.L.PET	0.399859307	0.9188312391	
## Contrast_cooc.L.PET	0.550991146	0.4057799153	
## Dissimilarity_cooc.L.PET	0.762970030	0.5375790639	
## Inv_diff_cooc.L.PET	0.839137441	0.7436945947	
## Inv_diff_norm_cooc.L.PET	0.991407181	0.7224272746	
## IDM_cooc.L.PET	0.744414077	0.7530871065	

## IDM_norm_cooc.L.PET	0.995798767	0.7210877094
## Inv_var_cooc.L.PET	0.748786778	0.7538987676
## Correlation_cooc.L.PET	0.653893074	0.4904990390
## Autocorrelation_cooc.L.PET	0.613045109	0.4392994759
## Tendency_cooc.L.PET	0.663832787	0.4514858820
## Shade_cooc.L.PET	0.327591491	0.1876399452
## Prominence_cooc.L.PET	0.470149053	0.3219890820
## IC1_.L.PET	-0.379665069	-0.0343034600
## IC2_.L.PET	0.898393351	0.7066574224
## Coarseness_vdif_.L.PET	0.448212405	0.8510322027
## Contrast_vdif_.L.PET	0.232713742	0.2202321879
## Busyness_vdif_.L.PET	0.314386235	0.1163932585
## Complexity_vdif_.L.PET	0.715561804	0.5727283635
## Strength_vdif_.L.PET	0.295292341	0.2925426158
## SRE_align.L.PET	0.997755262	0.7242198238
## LRE_align.L.PET	0.989761767	0.7101594344
## GLNU_align.L.PET	0.258312676	0.0989953617
## RLNU_align.L.PET	0.235577093	0.0468757055
## RP_align.L.PET	0.997624020	0.7239694098
## LGRE_align.L.PET	0.607401127	0.7389855018
## HGRE_align.L.PET	0.633945654	0.4562974550
## LGSRE_align.L.PET	0.611879490	0.7487138428
## HGSRE_align.L.PET	0.632383908	0.4562110764
## LGHRE_align.L.PET	0.586251426	0.6978007979
## HGLRE_align.L.PET	0.638394614	0.4550894743
## GLNU_norm_align.L.PET	0.646614326	0.9355716998
## RLNU_norm_align.L.PET	0.996358698	0.7234057933
## GLVAR_align.L.PET	0.681453015	0.4788317257
## RLVAR_align.L.PET	0.610699905	0.8759072685
## Entropy_align.L.PET	0.987043307	0.6695196994
## SZSE.L.PET	0.975064299	0.7208538706
## LZSE.L.PET	0.691412097	0.4703370636
## LGLZE.L.PET	0.618815980	0.7539906567
## HGLZE.L.PET	0.643528141	0.4618120072
## SZLGE.L.PET	0.627008416	0.7817660756
## SZHGE.L.PET	0.637890194	0.4659679400
## LZLGE.L.PET	0.491974405	0.5547411005
## LZHGE.L.PET	0.528512627	0.3511942634
## GLNU_area.L.PET	0.260171445	0.0943148086
## ZSNU.L.PET	0.237317068	0.0399992234
## ZSP.L.PET	0.982082072	0.7197259745
## GLNU_norm.L.PET	0.646708392	0.9387166692
## ZSNU_norm.L.PET	0.984276719	0.7187590882
## GLVAR_area.L.PET	0.692230272	0.4891845802
## ZSVAR.L.PET	0.437056101	0.4381008327
## Entropy_area.L.PET	0.987319664	0.6695026554
## Max_cooc.H.PET	0.301523540	0.3959659612
## Average_cooc.H.PET	0.974923108	0.6853668723
## Variance_cooc.H.PET	0.858619987	0.5745618821
## Entropy_cooc.H.PET	0.842513109	0.5260088499
## DAVE_cooc.H.PET	0.881281110	0.6015409958
## DVAR_cooc.H.PET	0.856371826	0.6000087973
## DENT_cooc.H.PET	0.775808082	0.4644193202
## SAVE_cooc.H.PET	0.981453980	0.6786114837

## SVAR_cooc.H.PET	0.841491231	0.5773426677
## SENT_cooc.H.PET	0.676581496	0.7223020756
## ASM_cooc.H.PET	0.281886801	0.4594901471
## Contrast_cooc.H.PET	0.786804254	0.5402467395
## Dissimilarity_cooc.H.PET	0.881281110	0.6015409958
## Inv_diff_cooc.H.PET	0.668600848	0.5865533729
## Inv_diff_norm_cooc.H.PET	0.993608975	0.7281876111
## IDM_cooc.H.PET	0.563975123	0.5236049646
## IDM_norm_cooc.H.PET	0.996742894	0.7242442232
## Inv_var_cooc.H.PET	0.559452901	0.9076540909
## Correlation_cooc.H.PET	0.661230486	0.4952881462
## Autocorrelation_cooc.H.PET	0.917522052	0.6565670607
## Tendency_cooc.H.PET	0.820631958	0.5416179163
## Shade_cooc.H.PET	-0.417753543	-0.2816019843
## Prominence_cooc.H.PET	0.605367956	0.3806162695
## IC1_d.H.PET	-0.133691991	0.2561256296
## IC2_d.H.PET	0.777705995	0.5728276013
## Coarseness_vdif.H.PET	0.394161448	0.9087904157
## Contrast_vdif.H.PET	0.291671873	0.2774332183
## Busyness_vdif.H.PET	0.139278276	-0.2481433769
## Complexity_vdif.H.PET	0.644366033	0.7483063347
## Strength_vdif.H.PET	0.024488420	0.0634730661
## SRE_align.H.PET	0.971790301	0.7020288768
## LRE_align.H.PET	0.639234422	0.4645678896
## RLNU_align.H.PET	0.234622689	0.0573785711
## RP_align.H.PET	0.960045973	0.6941391396
## LGRE_align.H.PET	0.417714534	0.9234713916
## HGRE_align.H.PET	0.922585405	0.6537891728
## LGSRE_align.H.PET	0.415242199	0.9226703875
## HGSRE_align.H.PET	0.967603335	0.6753222705
## LGHRE_align.H.PET	0.430954382	0.9276586780
## HGLRE_align.H.PET	0.439397870	0.3336374987
## GLNU_norm_align.H.PET	0.507101002	0.5053316630
## RLNU_norm_align.H.PET	0.909868485	0.6573768368
## GLVAR_align.H.PET	0.825325427	0.5486269789
## RLVAR_align.H.PET	0.281445975	0.2556511886
## Entropy_align.H.PET	0.902905006	0.5958654965
## SZSE.H.PET	0.853933365	0.6221158312
## LZSE.H.PET	-0.056668620	-0.0693493728
## LGLZE.H.PET	0.418511684	0.9224481673
## HGLZE.H.PET	0.868978219	0.5996922417
## SZLGE.H.PET	0.411955250	0.9205201563
## SZHGE.H.PET	0.831877500	0.5698709459
## LZLGE.H.PET	0.001513025	0.0537840671
## LZHGE.H.PET	-0.048208590	-0.0369483514
## GLNU_area.H.PET	0.272357517	0.0585748239
## ZSNU.H.PET	0.205329443	0.0377695675
## ZSP.H.PET	0.672357423	0.4707773658
## GLNU_norm.H.PET	0.520709815	0.5109371979
## ZSNU_norm.H.PET	0.723108106	0.5227606402
## GLVAR_area.H.PET	0.803984018	0.5341206315
## ZSVAR.H.PET	-0.054360400	-0.0510505882
## Entropy_area.H.PET	0.948895415	0.6436263233
## Max_cooc.W.PET	0.328673437	0.5828644711

## Average_cooc.W.PET	0.531703846	0.3164728414
## Variance_cooc.W.PET	0.265116206	0.1625060033
## Entropy_cooc.W.PET	0.860954209	0.5587620119
## DAVE_cooc.W.PET	0.556793721	0.3415103596
## DVAR_cooc.W.PET	0.300144012	0.1654266643
## DENT_cooc.W.PET	0.844767838	0.5609167310
## SAVE_cooc.W.PET	0.531030867	0.3146669165
## SVAR_cooc.W.PET	0.238739905	0.1561348398
## SENT_cooc.W.PET	0.893985321	0.6609148763
## ASM_cooc.W.PET	0.354994296	0.7348627050
## Contrast_cooc.W.PET	0.310015603	0.1635225246
## Dissimilarity_cooc.W.PET	0.556793721	0.3415103596
## Inv_diff_cooc.W.PET	0.748605742	0.6302564960
## Inv_diff_norm_cooc.W.PET	0.991733929	0.7236130510
## IDM_cooc.W.PET	0.614463277	0.5512314686
## IDM_norm_cooc.W.PET	0.995927060	0.7217549152
## Inv_var_cooc.W.PET	0.683708085	0.6053581103
## Correlation_cooc.W.PET	0.653185666	0.4896242059
## Autocorrelation_cooc.W.PET	0.264732256	0.1338760708
## Tendency_cooc.W.PET	0.238739905	0.1561348398
## Shade_cooc.W.PET	0.043843697	0.0761781392
## Prominence_cooc.W.PET	0.013543725	0.0421678490
## IC1_d.W.PET	-0.156062921	0.3026312961
## IC2_d.W.PET	0.844231459	0.6320547727
## Coarseness_vdif.W.PET	0.421868921	0.7777551229
## Contrast_vdif.W.PET	0.484844134	0.3908086623
## Busyness_vdif.W.PET	0.242110083	0.0154624036
## Complexity_vdif.W.PET	0.172428009	0.1171194779
## Strength_vdif.W.PET	0.247307688	0.2388943584
## SRE_align.W.PET	0.991719398	0.7173501909
## LRE_align.W.PET	0.866931178	0.6296546520
## GLNU_align.W.PET	0.266936177	0.0562845756
## RLNU_align.W.PET	0.235351531	0.0556954376
## RP_align.W.PET	0.987500528	0.7138484762
## LGRE_align.W.PET	0.489930052	0.4876202820
## HGRE_align.W.PET	0.267825072	0.1282818467
## LGSRE_align.W.PET	0.525087111	0.5257377597
## HGSRE_align.W.PET	0.263590580	0.1250383418
## LGHRE_align.W.PET	0.330255254	0.3215791322
## HGLRE_align.W.PET	0.284571802	0.1409442011
## GLNU_norm_align.W.PET	0.502904781	0.5823741519
## RLNU_norm_align.W.PET	0.968661241	0.6986152491
## GLVAR_align.W.PET	0.265680296	0.1563531889
## RLVAR_align.W.PET	0.351714836	0.3886361036
## Entropy_align.W.PET	0.905433022	0.5968551559
## SZSE.W.PET	0.940469352	0.6911241315
## LZSE.W.PET	0.130398533	0.1078235010
## LGLZE.W.PET	0.513695799	0.5175503786
## HGLZE.W.PET	0.271342428	0.1301383939
## SZLGE.W.PET	0.584515461	0.6164769273
## SZHGE.W.PET	0.259266270	0.1217154663
## LZLGE.W.PET	0.001362457	-0.0001805273
## LZHGE.W.PET	0.305840441	0.1786584621
## GLNU_area.W.PET	0.276570342	0.0617839381

## ZSNU.W.PET	0.223488430	0.0503393269
## ZSP.W.PET	0.870858145	0.6253688626
## GLNU_norm.W.PET	0.522460998	0.6033130857
## ZSNU_norm.W.PET	0.866473747	0.6271463705
## GLVAR_area.W.PET	0.269351782	0.1614147122
## ZSVAR.W.PET	0.041238180	0.0524000522
## Entropy_area.W.PET	0.942534054	0.6279241711
## Min_hist.ADC	0.350749964	0.2196093417
## Max_hist.ADC	0.871111773	0.6423348419
## Mean_hist.ADC	0.869031168	0.6072716546
## Variance_hist.ADC	0.429866708	0.4050578337
## Standard_Deviation_hist.ADC	0.711245855	0.5628011914
## Skewness_hist.ADC	0.229113880	0.1847832811
## Kurtosis_hist.ADC	0.270244356	0.2355125584
## Energy_hist.ADC	0.416819875	0.9083807386
## Entropy_hist.ADC	0.943446473	0.6763990712
## AUC_hist.ADC	0.971592062	0.7288210552
## Volume.ADC	0.322992420	0.0154284088
## X3D_surface.ADC	0.408105861	0.3080612960
## ratio_3ds_vol.ADC	0.665018747	0.5166872287
## ratio_3ds_vol_norm.ADC	0.937532840	0.6286552102
## irregularity.ADC	0.965736689	0.6821500881
## Compactness_v1.ADC	0.660935583	0.9657505572
##	HGLRE_align.H.ADC	GLNU_norm_align.H.ADC
## Failure	-0.015583087	0.04763688
## Entropy_cooc.W.ADC	0.052185770	-0.01706220
## GLNU_align.H.PET	-0.029858018	0.03616783
## Min_hist.PET	0.540535405	0.20761378
## Max_hist.PET	0.560908502	0.22483107
## Mean_hist.PET	0.541508756	0.20481278
## Variance_hist.PET	0.270620455	0.08878781
## Standard_Deviation_hist.PET	0.548672943	0.24287044
## Skewness_hist.PET	0.541544585	0.37649317
## Kurtosis_hist.PET	0.164327298	0.16280186
## Energy_hist.PET	0.390813171	0.96526974
## Entropy_hist.PET	0.885575996	0.43323784
## AUC_hist.PET	0.990013943	0.64773012
## H_suv.PET	0.567843238	0.33783474
## Volume.PET	0.364117018	-0.06976017
## X3D_surface.PET	0.238363496	0.14105059
## ratio_3ds_vol.PET	0.536235948	0.68488437
## ratio_3ds_vol_norm.PET	0.564751678	0.68705985
## irregularity.PET	0.958546586	0.61065509
## tumor_length.PET	0.614735813	0.41266936
## Compactness_v1.PET	0.510428005	0.93036152
## Compactness_v2.PET	0.258069935	-0.18414258
## Spherical_disproportion.PET	0.564751678	0.68705985
## Sphericity.PET	0.266884704	-0.31369064
## Asphericity.PET	0.542538758	0.68089506
## Center_of_mass.PET	0.385035653	0.22564041
## Max_3D_diam.PET	0.496133937	-0.04657690
## Major_axis_length.PET	0.532294008	0.08399558
## Minor_axis_length.PET	0.686646334	0.26425466
## Least_axis_length.PET	0.590447758	0.13500534

## Elongation.PET	0.849763144	0.61621254
## Flatness.PET	0.794598577	0.51001586
## Max_cooc.L.PET	0.419169775	0.98109326
## Average_cooc.L.PET	0.796868736	0.48865123
## Variance_cooc.L.PET	0.624992567	0.41968211
## Entropy_cooc.L.PET	0.980472389	0.53829151
## DAVE_cooc.L.PET	0.738619878	0.48061410
## DVAR_cooc.L.PET	0.647875919	0.49449329
## DENT_cooc.L.PET	0.962805639	0.57097271
## SAVE_cooc.L.PET	0.796738107	0.48765065
## SVAR_cooc.L.PET	0.636776768	0.40665397
## SENT_cooc.L.PET	0.963987616	0.64592590
## ASM_cooc.L.PET	0.389601059	0.97969356
## Contrast_cooc.L.PET	0.522085056	0.38361202
## Dissimilarity_cooc.L.PET	0.738619878	0.48061410
## Inv_diff_cooc.L.PET	0.851110419	0.65432368
## Inv_diff_norm_cooc.L.PET	0.992072644	0.61043746
## IDM_cooc.L.PET	0.757996132	0.68374693
## IDM_norm_cooc.L.PET	0.994922379	0.60976089
## Inv_var_cooc.L.PET	0.764080854	0.68242499
## Correlation_cooc.L.PET	0.663148999	0.40988035
## Autocorrelation_cooc.L.PET	0.585849737	0.39291133
## Tendency_cooc.L.PET	0.636776768	0.40665397
## Shade_cooc.L.PET	0.322201393	0.16613300
## Prominence_cooc.L.PET	0.443463693	0.30895578
## IC1_.L.PET	-0.344771948	-0.02478127
## IC2_.L.PET	0.876454004	0.65052188
## Coarseness_vdif_.L.PET	0.423781705	0.91747796
## Contrast_vdif_.L.PET	0.208868464	0.23926496
## Busyness_vdif_.L.PET	0.347752791	0.02558094
## Complexity_vdif_.L.PET	0.695233434	0.52800381
## Strength_vdif_.L.PET	0.268847677	0.32681600
## SRE_align.L.PET	0.994105303	0.61660420
## LRE_align.L.PET	0.989496445	0.59779071
## GLNU_align.L.PET	0.287904186	0.02268094
## RLNU_align.L.PET	0.262201180	-0.03120710
## RP_align.L.PET	0.993653899	0.61676891
## LGRE_align.L.PET	0.610752775	0.71763037
## HGRE_align.L.PET	0.606599915	0.40813362
## LGSRE_align.L.PET	0.614893428	0.72804657
## HGSRE_align.L.PET	0.604795839	0.40899379
## LGHRE_align.L.PET	0.590816498	0.67416687
## HGLRE_align.L.PET	0.612127001	0.40312472
## GLNU_norm_align.L.PET	0.642911472	0.94070185
## RLNU_norm_align.L.PET	0.991296496	0.61787739
## GLVAR_align.L.PET	0.653729622	0.43112418
## RLVAR_align.L.PET	0.616009032	0.86371757
## Entropy_align.L.PET	0.983443403	0.55189183
## SZSE.L.PET	0.972120868	0.61683169
## LZSE.L.PET	0.691670913	0.38706046
## LGLZE.L.PET	0.621767250	0.73129915
## HGLZE.L.PET	0.616324242	0.41206520
## SZLGE.L.PET	0.629003376	0.76136134
## SZHGE.L.PET	0.611946260	0.41725554

## LZLGE.L.PET	0.499724752	0.52895725
## LZHGE.L.PET	0.503198898	0.30733090
## GLNU_area.L.PET	0.289989618	0.01696646
## ZSNU.L.PET	0.263966673	-0.03967841
## ZSP.L.PET	0.977497788	0.61620285
## GLNU_norm.L.PET	0.642909284	0.94410636
## ZSNU_norm.L.PET	0.977415470	0.61771144
## GLVAR_area.L.PET	0.664217092	0.44030751
## ZSVAR.L.PET	0.449071996	0.38896649
## Entropy_area.L.PET	0.985382125	0.54960379
## Max_cooc.H.PET	0.284126748	0.42413003
## Average_cooc.H.PET	0.968016359	0.58502157
## Variance_cooc.H.PET	0.859951582	0.46317127
## Entropy_cooc.H.PET	0.838976515	0.41569800
## DAVE_cooc.H.PET	0.877546110	0.49753754
## DVAR_cooc.H.PET	0.851208321	0.50279917
## DENT_cooc.H.PET	0.790567564	0.34250759
## SAVE_cooc.H.PET	0.978516169	0.56989015
## SVAR_cooc.H.PET	0.853639497	0.46744077
## SENT_cooc.H.PET	0.675071447	0.67246333
## ASM_cooc.H.PET	0.262599099	0.50364788
## Contrast_cooc.H.PET	0.780381456	0.45141833
## Dissimilarity_cooc.H.PET	0.877546110	0.49753754
## Inv_diff_cooc.H.PET	0.658118570	0.55206283
## Inv_diff_norm_cooc.H.PET	0.990665865	0.62194555
## IDM_cooc.H.PET	0.552158207	0.50654233
## IDM_norm_cooc.H.PET	0.994109733	0.61582382
## Inv_var_cooc_.H.PET	0.556157835	0.91372399
## Correlation_cooc.H.PET	0.669991920	0.41218130
## Autocorrelation_cooc.H.PET	0.907746152	0.57122204
## Tendency_cooc.H.PET	0.826034960	0.42798332
## Shade_cooc.H.PET	-0.409836547	-0.24048217
## Prominence_cooc.H.PET	0.613586419	0.28172974
## IC1_d.H.PET	-0.136696255	0.31199022
## IC2_d.H.PET	0.782901470	0.48230692
## Coarseness_vdif.H.PET	0.380983654	0.97468301
## Contrast_vdif.H.PET	0.267616539	0.29905219
## Busyness_vdif.H.PET	0.164752168	-0.32856932
## Complexity_vdif.H.PET	0.629487890	0.73432790
## Strength_vdif.H.PET	0.006232343	0.10673995
## SRE_align.H.PET	0.970575032	0.58960570
## LRE_align.H.PET	0.632187934	0.41419283
## RLNU_align.H.PET	0.260218883	-0.02097024
## RP_align.H.PET	0.958451830	0.58261398
## LGRE_align.H.PET	0.407280283	0.97917634
## HGRE_align.H.PET	0.913389115	0.56744477
## LGSRE_align.H.PET	0.404768651	0.97883846
## HGSRE_align.H.PET	0.960629734	0.57552962
## LGHRE_align.H.PET	0.420713290	0.98115225
## HGLRE_align.H.PET	0.430255004	0.30863792
## GLNU_norm_align.H.PET	0.489874077	0.50705186
## RLNU_norm_align.H.PET	0.909022292	0.54774197
## GLVAR_align.H.PET	0.828742573	0.43593939
## RLVAR_align.H.PET	0.277711730	0.24726715

## Entropy_align.H.PET	0.909546078	0.46708679
## SZSE.H.PET	0.860945195	0.50944670
## LZSE.H.PET	-0.054438313	-0.06895844
## LGLZE.H.PET	0.408041249	0.97773075
## HGLZE.H.PET	0.871921932	0.49969619
## SZLGE.H.PET	0.401504743	0.97708924
## SZHGE.H.PET	0.838108983	0.45885794
## LZLGE.H.PET	0.002111739	0.06444749
## LZHGE.H.PET	-0.050383055	-0.02948725
## GLNU_area.H.PET	0.302800316	-0.02699608
## ZSNU.H.PET	0.227511476	-0.03357973
## ZSP.H.PET	0.678921917	0.37210565
## GLNU_norm.H.PET	0.501158360	0.51502675
## ZSNU_norm.H.PET	0.730175325	0.42292880
## GLVAR_area.H.PET	0.808297161	0.42141205
## ZSVAR_H.PET	-0.053331899	-0.04764943
## Entropy_area.H.PET	0.954878816	0.51349900
## Max_cooc.W.PET	0.308898954	0.63287042
## Average_cooc.W.PET	0.537191183	0.21651906
## Variance_cooc.W.PET	0.269180287	0.09671661
## Entropy_cooc.W.PET	0.866994291	0.43197908
## DAVE_cooc.W.PET	0.558849827	0.25070958
## DVAR_cooc.W.PET	0.301068353	0.10203043
## DENT_cooc.W.PET	0.849035344	0.44091375
## SAVE_cooc.W.PET	0.536541230	0.21456098
## SVAR_cooc.W.PET	0.244633488	0.09056847
## SENT_cooc.W.PET	0.897294791	0.55147899
## ASM_cooc.W.PET	0.336256599	0.79824055
## Contrast_cooc.W.PET	0.308939865	0.10294490
## Dissimilarity_cooc.W.PET	0.558849827	0.25070958
## Inv_diff_cooc.W.PET	0.738591093	0.58445307
## Inv_diff_norm_cooc.W.PET	0.992043776	0.61224057
## IDM_cooc.W.PET	0.602615655	0.52796959
## IDM_norm_cooc.W.PET	0.994918896	0.61062083
## Inv_var_cooc.W.PET	0.673618528	0.57264034
## Correlation_cooc.W.PET	0.663156568	0.40798016
## Autocorrelation_cooc.W.PET	0.269463821	0.06119626
## Tendency_cooc.W.PET	0.244633488	0.09056847
## Shade_cooc.W.PET	0.045929530	0.04970338
## Prominence_cooc.W.PET	0.012583362	0.01847790
## IC1_d.W.PET	-0.156660179	0.36570006
## IC2_d.W.PET	0.843167803	0.54779418
## Coarseness_vdif.W.PET	0.393664924	0.84560184
## Contrast_vdif.W.PET	0.471954136	0.34745370
## Busyness_vdif.W.PET	0.247566238	-0.02456042
## Complexity_vdif.W.PET	0.177522171	0.06306293
## Strength_vdif.W.PET	0.245967101	0.22407539
## SRE_align.W.PET	0.989748012	0.60583662
## LRE_align.W.PET	0.860639628	0.54700547
## GLNU_align.W.PET	0.297113589	-0.02303611
## RLNU_align.W.PET	0.261477671	-0.02199937
## RP_align.W.PET	0.985543336	0.60221564
## LGRE_align.W.PET	0.477081578	0.48478918
## HGRE_align.W.PET	0.272602291	0.05527490

## LGSRE_align.W.PET	0.512684296	0.51952953
## HGSRE_align.W.PET	0.268117287	0.05309628
## LGHRE_align.W.PET	0.317399564	0.32942266
## HGLRE_align.W.PET	0.290296717	0.06381629
## GLNU_norm_align.W.PET	0.484691327	0.59706042
## RLNU_norm_align.W.PET	0.967360913	0.58608264
## GLVAR_align.W.PET	0.270649237	0.08680940
## RLVAR_align.W.PET	0.344026916	0.38933881
## Entropy_align.W.PET	0.911411056	0.46814093
## SZSE.W.PET	0.942942393	0.57787105
## LZSE.W.PET	0.119152573	0.11573191
## LGLZE.W.PET	0.501366497	0.51157491
## HGLZE.W.PET	0.275914930	0.05730041
## SZLGE.W.PET	0.575110906	0.60233195
## SZHGE.W.PET	0.263289625	0.05195972
## LZLGE.W.PET	-0.007072179	0.01700232
## LZHGE.W.PET	0.308710496	0.10628250
## GLNU_area.W.PET	0.307990979	-0.02239787
## ZSNU.W.PET	0.248206377	-0.02506123
## ZSP.W.PET	0.875552948	0.51209098
## GLNU_norm.W.PET	0.503491586	0.61714457
## ZSNU_norm.W.PET	0.869979018	0.51547739
## GLVAR_area.W.PET	0.274123447	0.09222594
## ZSVAR.W.PET	0.033135773	0.06488048
## Entropy_area.W.PET	0.947503588	0.49953699
## Min_hist.ADC	0.300808756	0.24908818
## Max_hist.ADC	0.904243240	0.49467461
## Mean_hist.ADC	0.867717966	0.49757946
## Variance_hist.ADC	0.478252746	0.32676930
## Standard_Deviation_hist.ADC	0.746896936	0.45961857
## Skewness_hist.ADC	0.228985642	0.16219193
## Kurtosis_hist.ADC	0.280426811	0.15200451
## Energy_hist.ADC	0.398159655	0.97940043
## Entropy_hist.ADC	0.966162932	0.53035584
## AUC_hist.ADC	0.975885119	0.61458495
## Volume.ADC	0.352502789	-0.07794289
## X3D_surface.ADC	0.482608646	0.16405009
## ratio_3ds_vol.ADC	0.600919031	0.56535314
## ratio_3ds_vol_norm.ADC	0.946048327	0.51230866
## irregularity.ADC	0.940170390	0.61207908
## Compactness_v1.ADC	0.646377124	0.97934262
##	RLNU_norm_align.H.ADC	GLVAR_align.H.ADC
## Failure	0.011573265	0.0017784869
## Entropy_cooc.W.ADC	0.011906632	0.0236460344
## GLNU_align.H.PET	-0.052932713	-0.0499676023
## Min_hist.PET	0.528536709	0.5369469445
## Max_hist.PET	0.540311164	0.5505613084
## Mean_hist.PET	0.528236211	0.5373014395
## Variance_hist.PET	0.261051669	0.2667563277
## Standard_Deviation_hist.PET	0.535130278	0.5425389247
## Skewness_hist.PET	0.531569982	0.5306067456
## Kurtosis_hist.PET	0.142266536	0.1437097333
## Energy_hist.PET	0.459049892	0.4042109917
## Entropy_hist.PET	0.863137859	0.8745625150

## AUC_hist.PET	0.993928758	0.9910678234
## H_suv.PET	0.561370405	0.5626294965
## Volume.PET	0.312435164	0.3408306197
## X3D_surface.PET	0.212967987	0.2190923702
## ratio_3ds_vol.PET	0.586398454	0.5561440411
## ratio_3ds_vol_norm.PET	0.585695673	0.5615642054
## irregularity.PET	0.970852177	0.9673015915
## tumor_length.PET	0.592149728	0.5949217615
## Compactness_v1.PET	0.560240832	0.5152864610
## Compactness_v2.PET	0.223752342	0.2502275605
## Spherical_disproportion.PET	0.585695673	0.5615642054
## Sphericity.PET	0.222198104	0.2585361477
## Asphericity.PET	0.563856753	0.5392052667
## Center_of_mass.PET	0.363016661	0.3687046310
## Max_3D_diam.PET	0.449857202	0.4788169866
## Major_axis_length.PET	0.496451170	0.5169490138
## Minor_axis_length.PET	0.645929262	0.6632180872
## Least_axis_length.PET	0.543592289	0.5661182282
## Elongation.PET	0.857513199	0.8518516062
## Flatness.PET	0.791570532	0.7918671153
## Max_cooc.L.PET	0.481293781	0.4277008958
## Average_cooc.L.PET	0.819644000	0.8157987231
## Variance_cooc.L.PET	0.659944789	0.6509975503
## Entropy_cooc.L.PET	0.978180455	0.9825889423
## DAVE_cooc.L.PET	0.767990067	0.7611747153
## DVAR_cooc.L.PET	0.679946358	0.6694301765
## DENT_cooc.L.PET	0.972696796	0.9722329930
## SAVE_cooc.L.PET	0.819444937	0.8156659533
## SVAR_cooc.L.PET	0.667223903	0.6599610938
## SENT_cooc.L.PET	0.978523148	0.9726101388
## ASM_cooc.L.PET	0.452025260	0.3974619746
## Contrast_cooc.L.PET	0.559470565	0.5490689393
## Dissimilarity_cooc.L.PET	0.767990067	0.7611747153
## Inv_diff_cooc.L.PET	0.847103291	0.8405590183
## Inv_diff_norm_cooc.L.PET	0.991716672	0.9919432401
## IDM_cooc.L.PET	0.758035857	0.7458081725
## IDM_norm_cooc.L.PET	0.996090709	0.9961722716
## Inv_var_cooc.L.PET	0.761725185	0.7502619010
## Correlation_cooc.L.PET	0.652522298	0.6536553654
## Autocorrelation_cooc.L.PET	0.616437092	0.6091830732
## Tendency_cooc.L.PET	0.667223903	0.6599610938
## Shade_cooc.L.PET	0.328336814	0.3265180918
## Prominence_cooc.L.PET	0.475446120	0.4660024879
## IC1_.L.PET	-0.373955082	-0.3782905475
## IC2_.L.PET	0.909762130	0.8965049230
## Coarseness_vdif_.L.PET	0.497383960	0.4453172431
## Contrast_vdif_.L.PET	0.247060141	0.2336854207
## Busyness_vdif_.L.PET	0.299958096	0.3207739656
## Complexity_vdif_.L.PET	0.726582556	0.7151781839
## Strength_vdif_.L.PET	0.313780750	0.2952966176
## SRE_align.L.PET	0.998877479	0.9978728976
## LRE_align.L.PET	0.989502937	0.9902922927
## GLNU_align.L.PET	0.246276584	0.2639669690
## RLNU_align.L.PET	0.221909455	0.2412857495

## RP_align.L.PET	0.998834309	0.9977147587
## LGRE_align.L.PET	0.631907788	0.6074423470
## HGRE_align.L.PET	0.638226802	0.6306767700
## LGSRE_align.L.PET	0.636998030	0.6118708912
## HGSRE_align.L.PET	0.636835516	0.6291037461
## LGHRE_align.L.PET	0.608293528	0.5864578114
## HGLRE_align.L.PET	0.641963807	0.6351823237
## GLNU_norm_align.L.PET	0.685246262	0.6459241418
## RLNU_norm_align.L.PET	0.997903038	0.9963375693
## GLVAR_align.L.PET	0.685896277	0.6779945143
## RLVAR_align.L.PET	0.643270719	0.6103850416
## Entropy_align.L.PET	0.983574022	0.9867745602
## SZSE.L.PET	0.976680000	0.9751289276
## LZSE.L.PET	0.690100439	0.6920267706
## LGLZE.L.PET	0.643680647	0.6188904289
## HGLZE.L.PET	0.647789708	0.6404347050
## SZLGE.L.PET	0.653574034	0.6269804993
## SZHGE.L.PET	0.642454908	0.6350235554
## LZLGE.L.PET	0.507264018	0.4923051027
## LZHGE.L.PET	0.531095100	0.5254090370
## GLNU_area.L.PET	0.247682930	0.2659527981
## ZSNU.L.PET	0.222894897	0.2430629620
## ZSP.L.PET	0.983825168	0.9820914514
## GLNU_norm.L.PET	0.685533990	0.6460020434
## ZSNU_norm.L.PET	0.986742478	0.9841389689
## GLVAR_area.L.PET	0.696867481	0.6887795045
## ZSVAR.L.PET	0.443495838	0.4377660514
## Entropy_area.L.PET	0.983385034	0.9871849962
## Max_cooc.H.PET	0.319421998	0.2984600510
## Average_cooc.H.PET	0.974707819	0.9743397830
## Variance_cooc.H.PET	0.855278964	0.8601126163
## Entropy_cooc.H.PET	0.836295278	0.8422910604
## DAVE_cooc.H.PET	0.879945706	0.8823723137
## DVAR_cooc.H.PET	0.856700161	0.8574514765
## DENT_cooc.H.PET	0.763761197	0.7787149448
## SAVE_cooc.H.PET	0.979138784	0.9811643283
## SVAR_cooc.H.PET	0.837827514	0.8443921809
## SENT_cooc.H.PET	0.696297419	0.6768892821
## ASM_cooc.H.PET	0.306100353	0.2779866648
## Contrast_cooc.H.PET	0.786815797	0.7877647778
## Dissimilarity_cooc.H.PET	0.879945706	0.8823723137
## Inv_diff_cooc.H.PET	0.678653896	0.6664814189
## Inv_diff_norm_cooc.H.PET	0.995028872	0.9936163186
## IDM_cooc.H.PET	0.575291288	0.5615504219
## IDM_norm_cooc.H.PET	0.997640026	0.9968784781
## Inv_var_cooc_.H.PET	0.600088340	0.5582049830
## Correlation_cooc.H.PET	0.660032450	0.6612638922
## Autocorrelation_cooc.H.PET	0.918669684	0.9161708437
## Tendency_cooc.H.PET	0.815770425	0.8222790336
## Shade_cooc.H.PET	-0.416351735	-0.4173492204
## Prominence_cooc.H.PET	0.599112234	0.6075488717
## IC1_d.H.PET	-0.106022402	-0.1334880154
## IC2_d.H.PET	0.778393109	0.7781237219
## Coarseness_vdif.H.PET	0.446942838	0.3915080894

## Contrast_vdif.H.PET	0.303610496	0.2898542951
## Busyness_vdif.H.PET	0.109928458	0.1448226780
## Complexity_vdif.H.PET	0.671456871	0.6435123657
## Strength_vdif.H.PET	0.033894410	0.0214617594
## SRE_align.H.PET	0.972343774	0.9725858086
## LRE_align.H.PET	0.639748223	0.6369584636
## RLNU_align.H.PET	0.221731544	0.2402315223
## RP_align.H.PET	0.960826682	0.9609009341
## LGRE_align.H.PET	0.469176250	0.4153423896
## HGRE_align.H.PET	0.923862435	0.9218248442
## LGSRE_align.H.PET	0.466786342	0.4128566490
## HGSRE_align.H.PET	0.968104739	0.9678423953
## LGHRE_align.H.PET	0.481967163	0.4286299142
## HGLRE_align.H.PET	0.441095904	0.4364783420
## GLNU_norm_align.H.PET	0.521762463	0.5042533554
## RLNU_norm_align.H.PET	0.910568077	0.9109750362
## GLVAR_align.H.PET	0.820997071	0.8267910675
## RLVAR_align.H.PET	0.284479631	0.2788390776
## Entropy_align.H.PET	0.896588022	0.9042029152
## SZSE.H.PET	0.853491161	0.8560971213
## LZSE.H.PET	-0.062061389	-0.0584299843
## LGLZE.H.PET	0.469852418	0.4161379350
## HGLZE.H.PET	0.865205307	0.8694316268
## SZLGE.H.PET	0.463513099	0.4095706185
## SZHGE.H.PET	0.829800046	0.8349380857
## LZLGE.H.PET	0.002951823	-0.0008078597
## LZHGE.H.PET	-0.050651790	-0.0509531551
## GLNU_area.H.PET	0.256659754	0.2786327932
## ZSNU.H.PET	0.193289890	0.2106574707
## ZSP.H.PET	0.670710472	0.6748270839
## GLNU_norm.H.PET	0.535569318	0.5174476834
## ZSNU_norm.H.PET	0.723429960	0.7257953083
## GLVAR_area.H.PET	0.799224665	0.8054050845
## ZSVAR_H.PET	-0.058382455	-0.0565454347
## Entropy_area.H.PET	0.943038615	0.9496717042
## Max_cooc.W.PET	0.360390827	0.3248961471
## Average_cooc.W.PET	0.524571749	0.5331082103
## Variance_cooc.W.PET	0.261194678	0.2660828920
## Entropy_cooc.W.PET	0.854440299	0.8625957426
## DAVE_cooc.W.PET	0.552080230	0.5581960338
## DVAR_cooc.W.PET	0.295988500	0.3009860670
## DENT_cooc.W.PET	0.840230071	0.8464483275
## SAVE_cooc.W.PET	0.523789215	0.5324407354
## SVAR_cooc.W.PET	0.235019034	0.2397705808
## SENT_cooc.W.PET	0.895407152	0.8954238350
## ASM_cooc.W.PET	0.396911236	0.3509901058
## Contrast_cooc.W.PET	0.305852594	0.3107315978
## Dissimilarity_cooc.W.PET	0.552080230	0.5581960338
## Inv_diff_cooc.W.PET	0.757531307	0.7468404888
## Inv_diff_norm_cooc.W.PET	0.992209723	0.9922302534
## IDM_cooc.W.PET	0.625131442	0.6121668586
## IDM_norm_cooc.W.PET	0.996306302	0.9963008638
## Inv_var_cooc.W.PET	0.694510488	0.6819030895
## Correlation_cooc.W.PET	0.651676285	0.6530362457

## Autocorrelation_cooc.W.PET	0.258175794	0.2657436144
## Tendency_cooc.W.PET	0.235019034	0.2397705808
## Shade_cooc.W.PET	0.044309353	0.0434518235
## Prominence_cooc.W.PET	0.013028949	0.0125742676
## IC1_d.W.PET	-0.125306403	-0.1561336445
## IC2_d.W.PET	0.848201222	0.8441237135
## Coarseness_vdif.W.PET	0.468596642	0.4195755415
## Contrast_vdif.W.PET	0.492208764	0.4843409646
## Busyness_vdif.W.PET	0.227806883	0.2417453640
## Complexity_vdif.W.PET	0.169121456	0.1729803443
## Strength_vdif.W.PET	0.255922701	0.2483758302
## SRE_align.W.PET	0.992371954	0.9922291935
## LRE_align.W.PET	0.867896009	0.8655813237
## GLNU_align.W.PET	0.251315752	0.2723868474
## RLNU_align.W.PET	0.222339884	0.2410155466
## RP_align.W.PET	0.988207447	0.9881057966
## LGRE_align.W.PET	0.503457170	0.4873029502
## HGRE_align.W.PET	0.260883856	0.2689521847
## LGSRE_align.W.PET	0.539652567	0.5226389876
## HGSRE_align.W.PET	0.256733628	0.2647047746
## LGHRE_align.W.PET	0.338933052	0.3269849199
## HGLRE_align.W.PET	0.277295907	0.2857315649
## GLNU_norm_align.W.PET	0.524294213	0.4997707692
## RLNU_norm_align.W.PET	0.969185354	0.9694702761
## GLVAR_align.W.PET	0.260796736	0.2666646951
## RLVAR_align.W.PET	0.362199767	0.3484294593
## Entropy_align.W.PET	0.899239248	0.9068145251
## SZSE.W.PET	0.940967951	0.9418485359
## LZSE.W.PET	0.132146426	0.1266420145
## LGLZE.W.PET	0.527695028	0.5109319520
## HGLZE.W.PET	0.264451074	0.2724930331
## SZLGE.W.PET	0.601538052	0.5822448859
## SZHGE.W.PET	0.252583096	0.2604171425
## LZLGE.W.PET	0.001232570	-0.0019254797
## LZHGE.W.PET	0.300854138	0.3057483822
## GLNU_area.W.PET	0.260693020	0.2826059221
## ZSNU.W.PET	0.210914142	0.2291030977
## ZSP.W.PET	0.870273479	0.8730431248
## GLNU_norm.W.PET	0.544626319	0.5193454019
## ZSNU_norm.W.PET	0.866845455	0.8686403095
## GLVAR_area.W.PET	0.264680518	0.2703170105
## ZSVAR.W.PET	0.042635316	0.0378386972
## Entropy_area.W.PET	0.936406950	0.9433086379
## Min_hist.ADC	0.357623982	0.3432868613
## Max_hist.ADC	0.863851716	0.8759782638
## Mean_hist.ADC	0.866480632	0.8700971200
## Variance_hist.ADC	0.427843462	0.4366397592
## Standard_Deviation_hist.ADC	0.708670227	0.7169005821
## Skewness_hist.ADC	0.231418356	0.2256030295
## Kurtosis_hist.ADC	0.269672690	0.2701059561
## Energy_hist.ADC	0.469025576	0.4125928384
## Entropy_hist.ADC	0.937748497	0.9481130138
## AUC_hist.ADC	0.973214516	0.9726619086
## Volume.ADC	0.299250132	0.3282993858

## X3D_surface.ADC	0.393209983	0.4180183303	
## ratio_3ds_vol.ADC	0.685727027	0.6556030319	
## ratio_3ds_vol_norm.ADC	0.933546550	0.9403186733	
## irregularity.ADC	0.970080017	0.9620065329	
## Compactness_v1.ADC	0.702054471	0.6577773754	
##	RLVAR_align.H.ADC	Entropy_align.H.ADC	SZSE.H.ADC
## Failure	-0.045018946	-0.009756348	0.011977035
## Entropy_cooc.W.ADC	0.119477700	0.039354135	0.011088169
## GLNU_align.H.PET	0.117468926	-0.036748398	-0.051120148
## Min_hist.PET	0.274291849	0.539910551	0.530277318
## Max_hist.PET	0.321920324	0.557973173	0.541715823
## Mean_hist.PET	0.277868087	0.541144599	0.530597823
## Variance_hist.PET	0.141625702	0.271043169	0.263993001
## Standard_Deviation_hist.PET	0.321353895	0.548147273	0.537349543
## Skewness_hist.PET	0.436089223	0.535854505	0.529254313
## Kurtosis_hist.PET	0.245450915	0.154489383	0.137641310
## Energy_hist.PET	0.832504800	0.403118229	0.457272423
## Entropy_hist.PET	0.543775803	0.881274754	0.864205410
## AUC_hist.PET	0.697418206	0.992073737	0.993781364
## H_suv.PET	0.400669234	0.567583031	0.563708114
## Volume.PET	0.088032393	0.352155933	0.313148614
## X3D_surface.PET	0.233179559	0.230560427	0.213594542
## ratio_3ds_vol.PET	0.582784930	0.547338540	0.581675653
## ratio_3ds_vol_norm.PET	0.685156653	0.566124403	0.583587391
## irregularity.PET	0.628378509	0.963626035	0.969419334
## tumor_length.PET	0.530268414	0.607965540	0.592652444
## Compactness_v1.PET	0.859421893	0.519263154	0.561305190
## Compactness_v2.PET	-0.080000513	0.253361101	0.228616458
## Spherical_disproportion.PET	0.685156653	0.566124403	0.583587391
## Sphericity.PET	-0.193976533	0.260275533	0.226641254
## Asphericity.PET	0.677154189	0.543859497	0.561718746
## Center_of_mass.PET	0.320312450	0.378008703	0.362901511
## Max_3D_diam.PET	0.100084498	0.486683335	0.453073727
## Major_axis_length.PET	0.209610410	0.524357212	0.499247679
## Minor_axis_length.PET	0.423766575	0.676346542	0.647795750
## Least_axis_length.PET	0.302520181	0.579168762	0.546420966
## Elongation.PET	0.652256409	0.853150865	0.857517592
## Flatness.PET	0.571283524	0.795237133	0.792844125
## Max_cooc.L.PET	0.871623440	0.429652841	0.479713323
## Average_cooc.L.PET	0.466833435	0.806295674	0.820227872
## Variance_cooc.L.PET	0.344972127	0.636006732	0.658498049
## Entropy_cooc.L.PET	0.602134489	0.982921167	0.979257144
## DAVE_cooc.L.PET	0.430475087	0.749219211	0.767085383
## DVAR_cooc.L.PET	0.439991350	0.659095269	0.676580085
## DENT_cooc.L.PET	0.595017820	0.968095859	0.972497378
## SAVE_cooc.L.PET	0.465962566	0.806155696	0.820030190
## SVAR_cooc.L.PET	0.346255577	0.646070728	0.665829598
## SENT_cooc.L.PET	0.660662410	0.969448858	0.977874564
## ASM_cooc.L.PET	0.869478916	0.400128825	0.450854075
## Contrast_cooc.L.PET	0.296258071	0.534346192	0.558135457
## Dissimilarity_cooc.L.PET	0.430475087	0.749219211	0.767085383
## Inv_diff_cooc.L.PET	0.730896326	0.849426542	0.846489314
## Inv_diff_norm_cooc.L.PET	0.671355387	0.993663638	0.991514179
## IDM_cooc.L.PET	0.749521965	0.756264313	0.757031394

## IDM_norm_cooc.L.PET	0.665667117	0.997060449	0.995883237
## Inv_var_cooc.L.PET	0.755994584	0.761519887	0.760845532
## Correlation_cooc.L.PET	0.485921874	0.659696078	0.653096534
## Autocorrelation_cooc.L.PET	0.336908457	0.596441682	0.616897026
## Tendency_cooc.L.PET	0.346255577	0.646070728	0.665829598
## Shade_cooc.L.PET	0.154314258	0.321611184	0.326583940
## Prominence_cooc.L.PET	0.229819877	0.450768563	0.473526259
## IC1_.L.PET	0.079957725	-0.355584074	-0.369696710
## IC2_.L.PET	0.602196290	0.886894893	0.908531400
## Coarseness_vdif_.L.PET	0.760519504	0.438468852	0.494052044
## Contrast_vdif_.L.PET	0.127303824	0.219100085	0.245117366
## Busyness_vdif_.L.PET	0.175692035	0.334144298	0.300451840
## Complexity_vdif_.L.PET	0.473692956	0.705259061	0.724807974
## Strength_vdif_.L.PET	0.197820426	0.278987319	0.307595983
## SRE_align.L.PET	0.661198230	0.997308363	0.998595681
## LRE_align.L.PET	0.656414535	0.991459204	0.989133640
## GLNU_align.L.PET	0.155225803	0.276441144	0.245953433
## RLNU_align.L.PET	0.094311484	0.252097293	0.223367240
## RP_align.L.PET	0.660042516	0.996980506	0.998538335
## LGRE_align.L.PET	0.712556470	0.611772017	0.628440275
## HGRE_align.L.PET	0.349804974	0.617807363	0.638616047
## LGSRE_align.L.PET	0.720949734	0.616114105	0.633553620
## HGSRE_align.L.PET	0.349235260	0.616099585	0.637160507
## LGHRE_align.L.PET	0.676829938	0.591123566	0.604757853
## HGLRE_align.L.PET	0.350881780	0.622910014	0.642607593
## GLNU_norm_align.L.PET	0.888864484	0.649333692	0.682659132
## RLNU_norm_align.L.PET	0.656625620	0.995052205	0.997573638
## GLVAR_align.L.PET	0.369502099	0.664257372	0.685285582
## RLVAR_align.L.PET	0.858617346	0.619448475	0.642565121
## Entropy_align.L.PET	0.608470447	0.986393095	0.984353462
## SZSE.L.PET	0.661789694	0.974920974	0.976646782
## LZSE.L.PET	0.431810515	0.693274147	0.688489548
## LGLZE.L.PET	0.725755418	0.623237102	0.640197587
## HGLZE.L.PET	0.354632570	0.627647843	0.648105618
## SZLGE.L.PET	0.750728851	0.631172378	0.650335911
## SZHGE.L.PET	0.362757556	0.622852455	0.642714733
## LZLGE.L.PET	0.550725740	0.497873451	0.503170538
## LZHGE.L.PET	0.253134760	0.513498252	0.531442760
## GLNU_area.L.PET	0.150910496	0.278407339	0.247701022
## ZSNU.L.PET	0.087506195	0.253775817	0.224636998
## ZSP.L.PET	0.655416185	0.980986309	0.983726464
## GLNU_norm.L.PET	0.891855660	0.649505617	0.683096562
## ZSNU_norm.L.PET	0.647845062	0.981909873	0.986297113
## GLVAR_area.L.PET	0.378602346	0.675150726	0.696231941
## ZSVAR.L.PET	0.446989119	0.446703217	0.441024425
## Entropy_area.L.PET	0.612846025	0.987654548	0.984130163
## Max_cooc.H.PET	0.342647706	0.290841965	0.317497564
## Average_cooc.H.PET	0.618109245	0.971527909	0.974006205
## Variance_cooc.H.PET	0.527152605	0.862022505	0.855519056
## Entropy_cooc.H.PET	0.468909683	0.840905439	0.837401631
## DAVE_cooc.H.PET	0.539165771	0.881341149	0.879766945
## DVAR_cooc.H.PET	0.533635221	0.855557762	0.856303763
## DENT_cooc.H.PET	0.469235540	0.787087132	0.766400630
## SAVE_cooc.H.PET	0.621946965	0.980060963	0.979238635

## SVAR_cooc.H.PET	0.565688016	0.851068677	0.838318043
## SENT_cooc.H.PET	0.674071259	0.680243031	0.694343462
## ASM_cooc.H.PET	0.402234553	0.270463133	0.304876592
## Contrast_cooc.H.PET	0.474462620	0.785370361	0.786918312
## Dissimilarity_cooc.H.PET	0.539165771	0.881341149	0.879766945
## Inv_diff_cooc.H.PET	0.532445820	0.662511671	0.677819870
## Inv_diff_norm_cooc.H.PET	0.668194800	0.993470315	0.994724439
## IDM_cooc.H.PET	0.472879480	0.556811715	0.574354171
## IDM_norm_cooc.H.PET	0.664458284	0.996848360	0.997338475
## Inv_var_cooc_.H.PET	0.862232200	0.563582019	0.599578961
## Correlation_cooc.H.PET	0.489115960	0.667623298	0.660321814
## Autocorrelation_cooc.H.PET	0.587637971	0.911781331	0.917724631
## Tendency_cooc.H.PET	0.508378176	0.826342951	0.816063522
## Shade_cooc.H.PET	-0.248229782	-0.416334807	-0.416972115
## Prominence_cooc.H.PET	0.365020103	0.613410286	0.600421327
## IC1_d.H.PET	0.247244733	-0.130994707	-0.108418573
## IC2_d.H.PET	0.544120419	0.781674941	0.779194103
## Coarseness_vdif.H.PET	0.851711664	0.392463518	0.445688000
## Contrast_vdif.H.PET	0.199693834	0.275612070	0.299407025
## Busyness_vdif.H.PET	-0.194914644	0.150523902	0.110199890
## Complexity_vdif.H.PET	0.668410855	0.639851237	0.668470901
## Strength_vdif.H.PET	0.017991975	0.011265483	0.033687095
## SRE_align.H.PET	0.643296396	0.973346396	0.972037904
## LRE_align.H.PET	0.425460493	0.634185899	0.639868869
## RLNU_align.H.PET	0.101080747	0.250681798	0.223320895
## RP_align.H.PET	0.633997298	0.961457615	0.960425528
## LGRE_align.H.PET	0.872121450	0.418226355	0.468605838
## HGRE_align.H.PET	0.584207601	0.917406411	0.922748620
## LGSRE_align.H.PET	0.871344429	0.415722432	0.466208070
## HGSRE_align.H.PET	0.604714825	0.964548540	0.966644669
## LGHRE_align.H.PET	0.876349543	0.431606603	0.481448486
## HGLRE_align.H.PET	0.297474344	0.432376074	0.441594794
## GLNU_norm_align.H.PET	0.442454951	0.496293811	0.519970479
## RLNU_norm_align.H.PET	0.599683589	0.912016541	0.910246991
## GLVAR_align.H.PET	0.509163605	0.829933788	0.821676063
## RLVAR_align.H.PET	0.244404271	0.278249154	0.285564688
## Entropy_align.H.PET	0.561240288	0.909135505	0.898155279
## SZSE.H.PET	0.587999619	0.861201741	0.853760712
## LZSE.H.PET	-0.046790898	-0.056666036	-0.061212371
## LGLZE.H.PET	0.870933168	0.419028627	0.469271956
## HGLZE.H.PET	0.566674767	0.871625470	0.864461672
## SZLGE.H.PET	0.869467281	0.412465824	0.462892009
## SZHGE.H.PET	0.530203309	0.838019095	0.829092252
## LZLGE.H.PET	0.074001365	0.001685965	0.003287920
## LZHGE.H.PET	-0.029850775	-0.051303338	-0.050063829
## GLNU_area.H.PET	0.114681440	0.290612007	0.256892944
## ZSNU.H.PET	0.074378104	0.219505518	0.195631263
## ZSP.H.PET	0.441052159	0.679273407	0.671056377
## GLNU_norm.H.PET	0.442383217	0.508318570	0.533591910
## ZSNU_norm.H.PET	0.492082797	0.730847763	0.723677755
## GLVAR_area.H.PET	0.498731991	0.809428176	0.800034130
## ZSVAR_H.PET	-0.031289614	-0.055052725	-0.057978305
## Entropy_area.H.PET	0.606620593	0.954331203	0.944483831
## Max_cooc.W.PET	0.520051796	0.318705741	0.358905978

## Average_cooc.W.PET	0.291664660	0.537748626	0.527462160
## Variance_cooc.W.PET	0.143590328	0.269930228	0.263660005
## Entropy_cooc.W.PET	0.521901933	0.867024412	0.855706671
## DAVE_cooc.W.PET	0.304716426	0.560648089	0.553856277
## DVAR_cooc.W.PET	0.137209448	0.302918888	0.298902981
## DENT_cooc.W.PET	0.518444933	0.849877899	0.840944966
## SAVE_cooc.W.PET	0.289954360	0.537076704	0.526682158
## SVAR_cooc.W.PET	0.143173023	0.244581003	0.237254294
## SENT_cooc.W.PET	0.615190206	0.898846318	0.895423500
## ASM_cooc.W.PET	0.671735161	0.346937287	0.395583419
## Contrast_cooc.W.PET	0.130769086	0.311710283	0.308701302
## Dissimilarity_cooc.W.PET	0.304716426	0.560648089	0.553856277
## Inv_diff_cooc.W.PET	0.573146609	0.742969270	0.756410125
## Inv_diff_norm_cooc.W.PET	0.671562448	0.993769305	0.991976888
## IDM_cooc.W.PET	0.498190399	0.607323648	0.623961632
## IDM_norm_cooc.W.PET	0.665887518	0.997119423	0.996081000
## Inv_var_cooc.W.PET	0.552796739	0.677927088	0.693172416
## Correlation_cooc.W.PET	0.486745938	0.659423419	0.652352939
## Autocorrelation_cooc.W.PET	0.119472629	0.269903166	0.261934208
## Tendency_cooc.W.PET	0.143173023	0.244581003	0.237254294
## Shade_cooc.W.PET	0.068679196	0.046487414	0.045264069
## Prominence_cooc.W.PET	0.031089409	0.014544278	0.014445290
## IC1_d.W.PET	0.305270622	-0.151329181	-0.126824999
## IC2_d.W.PET	0.582146724	0.844547305	0.848882192
## Coarseness_vdif.W.PET	0.675074998	0.409187443	0.464898127
## Contrast_vdif.W.PET	0.319005098	0.480187986	0.492012799
## Busyness_vdif.W.PET	0.027027767	0.241513167	0.229124612
## Complexity_vdif.W.PET	0.107218545	0.177300910	0.171222181
## Strength_vdif.W.PET	0.207327019	0.247603318	0.249650570
## SRE_align.W.PET	0.657377276	0.992553158	0.992085082
## LRE_align.W.PET	0.573629424	0.863567809	0.867876237
## GLNU_align.W.PET	0.115937214	0.284600023	0.251443117
## RLNU_align.W.PET	0.101313991	0.251676564	0.223779506
## RP_align.W.PET	0.653491441	0.988416608	0.987874790
## LGRE_align.W.PET	0.436848606	0.481363701	0.501398123
## HGRE_align.W.PET	0.113780768	0.272968583	0.264835643
## LGSRE_align.W.PET	0.473059748	0.517017875	0.537346994
## HGSRE_align.W.PET	0.110112571	0.268576319	0.260658406
## LGHRE_align.W.PET	0.283423900	0.320852580	0.338082589
## HGLRE_align.W.PET	0.128064327	0.290323927	0.281350762
## GLNU_norm_align.W.PET	0.516447716	0.492352965	0.522347805
## RLNU_norm_align.W.PET	0.639498142	0.970179585	0.968867410
## GLVAR_align.W.PET	0.140432048	0.270994768	0.263750178
## RLVAR_align.W.PET	0.362700735	0.346855499	0.362793759
## Entropy_align.W.PET	0.559598533	0.911333109	0.900683056
## SZSE.W.PET	0.643068413	0.944365922	0.940915731
## LZSE.W.PET	0.082499948	0.121886428	0.131236976
## LGLZE.W.PET	0.467692922	0.505889455	0.525594681
## HGLZE.W.PET	0.114714677	0.276413291	0.268256867
## SZLGE.W.PET	0.569331245	0.579455177	0.599360649
## SZHGE.W.PET	0.105527398	0.264006003	0.256309144
## LZLGE.W.PET	-0.009844607	-0.005940426	0.001562616
## LZHGE.W.PET	0.158114165	0.309432183	0.303601079
## GLNU_area.W.PET	0.121865431	0.295122427	0.260909171

## ZSNU.W.PET	0.092572923	0.239065688	0.212735877
## ZSP.W.PET	0.582821017	0.876403684	0.870531435
## GLNU_norm.W.PET	0.533739540	0.511716382	0.542371662
## ZSNU_norm.W.PET	0.580751634	0.871581200	0.866699116
## GLVAR_area.W.PET	0.144966305	0.274691732	0.267564741
## ZSVAR.W.PET	0.039396139	0.034711403	0.041725240
## Entropy_area.W.PET	0.589091888	0.947445680	0.937782715
## Min_hist.ADC	0.080067242	0.318140092	0.357626852
## Max_hist.ADC	0.676688717	0.891114545	0.864944225
## Mean_hist.ADC	0.548961297	0.868118961	0.865741263
## Variance_hist.ADC	0.516296922	0.457893582	0.428203265
## Standard_Deviation_hist.ADC	0.623299058	0.732600715	0.708890646
## Skewness_hist.ADC	0.161646792	0.226051842	0.233928035
## Kurtosis_hist.ADC	0.218284773	0.275469902	0.269403185
## Energy_hist.ADC	0.839435999	0.410850093	0.468521162
## Entropy_hist.ADC	0.680648386	0.960484406	0.937828815
## AUC_hist.ADC	0.680975876	0.975534038	0.973187826
## Volume.ADC	0.084443030	0.340335608	0.299996339
## X3D_surface.ADC	0.475650656	0.451073416	0.395590548
## ratio_3ds_vol.ADC	0.324707026	0.624071368	0.684224251
## ratio_3ds_vol_norm.ADC	0.602000045	0.944365856	0.930673744
## irregularity.ADC	0.569096179	0.951028315	0.970240786
## Compactness_v1.ADC	0.891578740	0.657304626	0.702688677
##	LZSE.H.ADC	LGLZE.H.ADC	HGLZE.H.ADC SZLGE.H.ADC
## Failure	-0.04792375	4.234435e-02	0.005892136 0.050302606
## Entropy_cooc.W.ADC	0.11090766	-2.540749e-02	0.020450993 -0.037131237
## GLNU_align.H.PET	0.01199469	1.059285e-02	-0.049336349 0.003257748
## Min_hist.PET	0.51456501	2.455918e-01	0.534091958 0.224422469
## Max_hist.PET	0.55274906	2.519316e-01	0.548042033 0.225157955
## Mean_hist.PET	0.51529987	2.411836e-01	0.535142541 0.220084212
## Variance_hist.PET	0.25694705	1.026872e-01	0.266238366 0.086665025
## Standard_Deviation_hist.PET	0.53172430	2.700659e-01	0.541033854 0.246263465
## Skewness_hist.PET	0.55579983	3.849615e-01	0.528839222 0.357573765
## Kurtosis_hist.PET	0.22935297	1.418290e-01	0.141609802 0.118827176
## Energy_hist.PET	0.39814251	9.503550e-01	0.406466898 0.956488753
## Entropy_hist.PET	0.85521518	4.814483e-01	0.872744405 0.450310379
## AUC_hist.PET	0.95657315	6.915227e-01	0.990696265 0.665313875
## H_suv.PET	0.54501567	3.680224e-01	0.561791016 0.349009605
## Volume.PET	0.37704926	-3.272616e-02	0.334312546 -0.054089728
## X3D_surface.PET	0.26203977	1.475603e-01	0.215341401 0.132313499
## ratio_3ds_vol.PET	0.52424219	6.991961e-01	0.555871279 0.695739422
## ratio_3ds_vol_norm.PET	0.58694999	6.748233e-01	0.563241388 0.658538887
## irregularity.PET	0.91449032	6.613336e-01	0.966561307 0.639270844
## tumor_length.PET	0.63618199	4.132263e-01	0.595766392 0.384859549
## Compactness_v1.PET	0.50948156	9.204775e-01	0.519344841 0.918043316
## Compactness_v2.PET	0.22451862	-1.589313e-01	0.252552900 -0.172443505
## Spherical_disproportion.PET	0.58694999	6.748233e-01	0.563241388 0.658538887
## Sphericity.PET	0.22420313	-2.713820e-01	0.258428303 -0.285697448
## Asphericity.PET	0.56649059	6.668227e-01	0.540930232 0.651145572
## Center_of_mass.PET	0.40425168	2.294274e-01	0.368204952 0.205540901
## Max_3D_diam.PET	0.47802327	-8.587726e-03	0.476249938 -0.033215851
## Major_axis_length.PET	0.51742246	1.174043e-01	0.514844157 0.093259327
## Minor_axis_length.PET	0.68716250	2.858093e-01	0.661961879 0.253558167
## Least_axis_length.PET	0.59184440	1.601513e-01	0.563222922 0.131154388

## Elongation.PET	0.81367358	6.462926e-01	0.852461249	0.624029551
## Flatness.PET	0.76710107	5.401715e-01	0.790401161	0.518447442
## Max_cooc.L.PET	0.43462622	9.603331e-01	0.430695445	0.961897785
## Average_cooc.L.PET	0.72932090	5.431832e-01	0.817150837	0.534081558
## Variance_cooc.L.PET	0.56069888	4.631125e-01	0.652022086	0.458888094
## Entropy_cooc.L.PET	0.93234701	5.877963e-01	0.983340844	0.559954657
## DAVE_cooc.L.PET	0.67139243	5.336947e-01	0.761339668	0.524455203
## DVAR_cooc.L.PET	0.60825823	5.334386e-01	0.669360946	0.519961268
## DENT_cooc.L.PET	0.90893741	6.255408e-01	0.972014435	0.602631040
## SAVE_cooc.L.PET	0.72914412	5.422344e-01	0.817014335	0.533125009
## SVAR_cooc.L.PET	0.57829940	4.456932e-01	0.661403165	0.439564864
## SENT_cooc.L.PET	0.91832747	6.935109e-01	0.972098958	0.671289421
## ASM_cooc.L.PET	0.40539740	9.567632e-01	0.400701264	0.959204393
## Contrast_cooc.L.PET	0.45719842	4.281814e-01	0.549291448	0.427547958
## Dissimilarity_cooc.L.PET	0.67139243	5.336947e-01	0.761339668	0.524455203
## Inv_diff_cooc.L.PET	0.85392973	6.710821e-01	0.840513887	0.641838862
## Inv_diff_norm_cooc.L.PET	0.95857528	6.544112e-01	0.991551525	0.625912016
## IDM_cooc.L.PET	0.77435315	6.878766e-01	0.746133897	0.660965986
## IDM_norm_cooc.L.PET	0.95831830	6.554893e-01	0.995807350	0.627641690
## Inv_var_cooc.L.PET	0.78169663	6.868052e-01	0.750814696	0.659214622
## Correlation_cooc.L.PET	0.66123177	4.183605e-01	0.655137290	0.395853810
## Autocorrelation_cooc.L.PET	0.52082808	4.385291e-01	0.611451810	0.439746441
## Tendency_cooc.L.PET	0.57829940	4.456932e-01	0.661403165	0.439564864
## Shade_cooc.L.PET	0.30500031	1.752024e-01	0.326275802	0.162166161
## Prominence_cooc.L.PET	0.39587882	3.348198e-01	0.467097245	0.333877215
## IC1_.L.PET	-0.27954733	-7.410875e-02	-0.375684468	-0.081188913
## IC2_.L.PET	0.81844434	6.924132e-01	0.897452499	0.678878577
## Coarseness_vdif_.L.PET	0.41732653	9.166421e-01	0.446742459	0.925929602
## Contrast_vdif_.L.PET	0.16691403	2.728876e-01	0.230029653	0.284452168
## Busyness_vdif_.L.PET	0.36779661	5.209727e-02	0.314614437	0.029665094
## Complexity_vdif_.L.PET	0.64251250	5.742855e-01	0.713593345	0.564567294
## Strength_vdif_.L.PET	0.25236712	3.586065e-01	0.288951025	0.368078823
## SRE_align.L.PET	0.95298716	6.645358e-01	0.997590568	0.638149148
## LRE_align.L.PET	0.95462134	6.414836e-01	0.989824758	0.612986066
## GLNU_align.L.PET	0.31538516	3.677899e-02	0.258560091	0.016279948
## RLNU_align.L.PET	0.27146875	-9.606639e-03	0.236200390	-0.026158955
## RP_align.L.PET	0.95197221	6.649627e-01	0.997423066	0.638751740
## LGRE_align.L.PET	0.64040163	7.097671e-01	0.605377025	0.689149884
## HGRE_align.L.PET	0.53816526	4.575890e-01	0.632812301	0.458288294
## LGSRE_align.L.PET	0.64405068	7.204029e-01	0.609827987	0.700034888
## HGSRE_align.L.PET	0.53638703	4.584954e-01	0.631249446	0.459290999
## LGHRE_align.L.PET	0.62228381	6.651741e-01	0.584382266	0.643644392
## HGLRE_align.L.PET	0.54384079	4.520672e-01	0.637282324	0.452333088
## GLNU_norm_align.L.PET	0.65714033	9.372273e-01	0.646571420	0.925798834
## RLNU_norm_align.L.PET	0.94782368	6.667019e-01	0.996067695	0.641096384
## GLVAR_align.L.PET	0.58795738	4.747521e-01	0.679615559	0.469745529
## RLVAR_align.L.PET	0.63794083	8.484090e-01	0.612628442	0.832845407
## Entropy_align.L.PET	0.93523897	6.013515e-01	0.987398814	0.574665078
## SZSE.L.PET	0.93348470	6.650513e-01	0.975224759	0.639675668
## LZSE.L.PET	0.67177327	4.064821e-01	0.690618457	0.383346675
## LGLZE.L.PET	0.65073672	7.242899e-01	0.617114624	0.703534700
## HGLZE.L.PET	0.54791706	4.625539e-01	0.642509490	0.462742147
## SZLGE.L.PET	0.65629830	7.558049e-01	0.625698420	0.736050859
## SZHGE.L.PET	0.54697021	4.682307e-01	0.637269086	0.468065869

## LZLGE.L.PET	0.53814655	5.104888e-01	0.489785888	0.487095531
## LZHGE.L.PET	0.43806493	3.430629e-01	0.526482473	0.344111563
## GLNU_area.L.PET	0.31494177	3.345993e-02	0.260551148	0.013326878
## ZSNU.L.PET	0.27085890	-1.537395e-02	0.238086786	-0.031744559
## ZSP.L.PET	0.93504013	6.665483e-01	0.982108398	0.641739216
## GLNU_norm.L.PET	0.65619954	9.407115e-01	0.646771519	0.929437342
## ZSNU_norm.L.PET	0.93210960	6.681531e-01	0.984126966	0.644134684
## GLVAR_area.L.PET	0.59814627	4.843043e-01	0.690724403	0.478761333
## ZSVAR.L.PET	0.47767850	3.691029e-01	0.437371118	0.347079699
## Entropy_area.L.PET	0.94038153	5.973783e-01	0.987682057	0.569676442
## Max_cooc.H.PET	0.26648469	4.311011e-01	0.300675531	0.436035803
## Average_cooc.H.PET	0.92360782	6.331416e-01	0.974256631	0.609075317
## Variance_cooc.H.PET	0.82493612	5.109724e-01	0.858610740	0.486488990
## Entropy_cooc.H.PET	0.79528844	4.562571e-01	0.841856260	0.429006010
## DAVE_cooc.H.PET	0.83257643	5.516214e-01	0.880854060	0.527998695
## DVAR_cooc.H.PET	0.80343751	5.634230e-01	0.855559205	0.544489059
## DENT_cooc.H.PET	0.77271489	3.802032e-01	0.779870179	0.350256597
## SAVE_cooc.H.PET	0.93753472	6.173054e-01	0.981312319	0.591919807
## SVAR_cooc.H.PET	0.83691161	5.089529e-01	0.842587690	0.482053862
## SENT_cooc.H.PET	0.67621287	6.830695e-01	0.676019768	0.663287870
## ASM_cooc.H.PET	0.24341649	5.036079e-01	0.281398998	0.512358325
## Contrast_cooc.H.PET	0.73089780	5.070283e-01	0.786163434	0.488784559
## Dissimilarity_cooc.H.PET	0.83257643	5.516214e-01	0.880854060	0.527998695
## Inv_diff_cooc.H.PET	0.62786748	5.753357e-01	0.668611901	0.565884565
## Inv_diff_norm_cooc.H.PET	0.95235178	6.668355e-01	0.993537333	0.640296854
## IDM_cooc.H.PET	0.52436186	5.246894e-01	0.564007307	0.519443407
## IDM_norm_cooc.H.PET	0.95556196	6.615561e-01	0.996664088	0.634525536
## Inv_var_cooc.H.PET	0.56899985	9.019206e-01	0.560749555	0.890856210
## Correlation_cooc.H.PET	0.67191394	4.205923e-01	0.662275589	0.397337054
## Autocorrelation_cooc.H.PET	0.86394651	6.149243e-01	0.916529622	0.594601197
## Tendency_cooc.H.PET	0.80196148	4.672987e-01	0.820964555	0.441631894
## Shade_cooc.H.PET	-0.38747900	-2.646834e-01	-0.417488368	-0.260959581
## Prominence_cooc.H.PET	0.59717171	3.116304e-01	0.606412158	0.291168111
## IC1_d.H.PET	-0.11170250	3.020519e-01	-0.133762599	0.309595200
## IC2_d.H.PET	0.76807696	5.037184e-01	0.777499357	0.480909314
## Coarseness_vdif.H.PET	0.39248288	9.535365e-01	0.394515680	0.957943076
## Contrast_vdif.H.PET	0.23138248	3.339797e-01	0.288769867	0.348166624
## Busyness_vdif.H.PET	0.15961860	-2.815876e-01	0.137485607	-0.292706637
## Complexity_vdif.H.PET	0.61011054	7.541323e-01	0.643199140	0.744960699
## Strength_vdif.H.PET	-0.01656538	1.048730e-01	0.022185383	0.116427035
## SRE_align.H.PET	0.93434866	6.368234e-01	0.971587305	0.608719200
## LRE_align.H.PET	0.59950809	4.367476e-01	0.639664749	0.424334006
## RLNU_align.H.PET	0.26864216	1.832661e-03	0.235252715	-0.014554032
## RP_align.H.PET	0.92235211	6.301543e-01	0.959772982	0.602467762
## LGRE_align.H.PET	0.41864352	9.590261e-01	0.418764592	0.961343917
## HGRE_align.H.PET	0.86792866	6.148272e-01	0.922107335	0.594412890
## LGSRE_align.H.PET	0.41626117	9.585159e-01	0.416286573	0.960917816
## HGSRE_align.H.PET	0.91773680	6.272322e-01	0.967117352	0.602605564
## LGHRE_align.H.PET	0.43130252	9.616342e-01	0.432061357	0.963511292
## HGLRE_align.H.PET	0.39928605	3.215382e-01	0.439796195	0.316537890
## GLNU_norm_align.H.PET	0.45906923	5.258528e-01	0.506293664	0.524476726
## RLNU_norm_align.H.PET	0.87574572	5.932631e-01	0.909593403	0.565791760
## GLVAR_align.H.PET	0.79666924	4.803086e-01	0.825521701	0.456091580
## RLVAR_align.H.PET	0.26220011	2.437479e-01	0.283189718	0.239933287

## Entropy_align.H.PET	0.87829369	5.091531e-01	0.903667624	0.478478261
## SZSE.H.PET	0.83977771	5.500798e-01	0.854762633	0.520227310
## LZSE.H.PET	-0.04565902	-8.958109e-02	-0.052612460	-0.091594066
## LGLZE.H.PET	0.41924711	9.578499e-01	0.419531804	0.960230261
## HGLZE.H.PET	0.84554275	5.379159e-01	0.870679178	0.509406883
## SZLGE.H.PET	0.41331133	9.566960e-01	0.412992692	0.959204472
## SZHGE.H.PET	0.81789035	5.039124e-01	0.833418623	0.473125412
## LZLGE.H.PET	0.01972432	3.912924e-02	0.005602774	0.038564347
## LZHGE.H.PET	-0.04919085	-4.806316e-02	-0.045635966	-0.047448401
## GLNU_area.H.PET	0.32008644	-8.370934e-04	0.272349526	-0.020249287
## ZSNU.H.PET	0.22810177	-7.996062e-03	0.206365929	-0.022218810
## ZSP.H.PET	0.66069176	4.107843e-01	0.673047235	0.385849722
## GLNU_norm.H.PET	0.46537910	5.356229e-01	0.518915105	0.535719727
## ZSNU_norm.H.PET	0.71267620	4.592686e-01	0.723552045	0.432438377
## GLVAR_area.H.PET	0.77737744	4.634052e-01	0.804639047	0.438492603
## ZSVAR_H.PET	-0.04222093	-6.821923e-02	-0.050802168	-0.069164737
## Entropy_area.H.PET	0.92295026	5.561068e-01	0.949717372	0.524948022
## Max_cooc.W.PET	0.29596060	6.302874e-01	0.328179047	0.637976177
## Average_cooc.W.PET	0.51255804	2.482912e-01	0.532167957	0.228122442
## Variance_cooc.W.PET	0.25670265	1.107969e-01	0.265320205	0.094708012
## Entropy_cooc.W.PET	0.83617724	4.752535e-01	0.861419316	0.444805428
## DAVE_cooc.W.PET	0.53061011	2.866831e-01	0.556194918	0.265709722
## DVAR_cooc.W.PET	0.27630724	1.257782e-01	0.299538001	0.111714966
## DENT_cooc.W.PET	0.81902180	4.852638e-01	0.844635089	0.455754410
## SAVE_cooc.W.PET	0.51187234	2.463888e-01	0.531493120	0.226208978
## SVAR_cooc.W.PET	0.23888468	9.936365e-02	0.239313120	0.082561924
## SENT_cooc.W.PET	0.87196414	5.910280e-01	0.893651085	0.562185141
## ASM_cooc.W.PET	0.33092757	7.855007e-01	0.355020672	0.793800103
## Contrast_cooc.W.PET	0.27993964	1.296357e-01	0.309233446	0.116846186
## Dissimilarity_cooc.W.PET	0.53061011	2.866831e-01	0.556194918	0.265709722
## Inv_diff_cooc.W.PET	0.70531094	6.131305e-01	0.748666457	0.601194465
## Inv_diff_norm_cooc.W.PET	0.95822072	6.562618e-01	0.991844286	0.627951376
## IDM_cooc.W.PET	0.57259266	5.496697e-01	0.614509715	0.543392430
## IDM_norm_cooc.W.PET	0.95825910	6.563809e-01	0.995918063	0.628592193
## Inv_var_cooc.W.PET	0.64417238	5.975635e-01	0.683756086	0.588387727
## Correlation_cooc.W.PET	0.66203062	4.162605e-01	0.654450986	0.393477044
## Autocorrelation_cooc.W.PET	0.25060038	8.004191e-02	0.265622346	0.067115061
## Tendency_cooc.W.PET	0.23888468	9.936365e-02	0.239313120	0.082561924
## Shade_cooc.W.PET	0.05049099	3.776152e-02	0.044402614	0.024425380
## Prominence_cooc.W.PET	0.01149197	6.620761e-03	0.014096492	-0.004946595
## IC1_d.W.PET	-0.12721416	3.462459e-01	-0.154291722	0.353865339
## IC2_d.W.PET	0.81499977	5.767711e-01	0.842955865	0.556007296
## Coarseness_vdif.W.PET	0.37831817	8.536199e-01	0.420060097	0.866815285
## Contrast_vdif.W.PET	0.43918692	3.784574e-01	0.482707111	0.367496691
## Busyness_vdif.W.PET	0.22258791	-8.877177e-03	0.241998957	-0.016364220
## Complexity_vdif.W.PET	0.17329283	6.645444e-02	0.172490471	0.051297331
## Strength_vdif.W.PET	0.27983857	2.294970e-01	0.240836855	0.217006474
## SRE_align.W.PET	0.95157417	6.532910e-01	0.991565077	0.625520740
## LRE_align.W.PET	0.81947391	5.832078e-01	0.867302686	0.563264051
## GLNU_align.W.PET	0.31689367	-5.707378e-03	0.267198368	-0.025211382
## RLNU_align.W.PET	0.27111362	-2.067158e-04	0.235943566	-0.016773206
## RP_align.W.PET	0.94757529	6.500103e-01	0.987291360	0.622275405
## LGRE_align.W.PET	0.45966163	4.942418e-01	0.488531235	0.487700282
## HGRE_align.W.PET	0.25133345	7.518246e-02	0.268744773	0.061976129

## LGSRE_align.W.PET	0.49648919	5.298216e-01	0.523491462	0.521860133
## HGSRE_align.W.PET	0.24669188	7.304945e-02	0.264467485	0.059959208
## LGHRE_align.W.PET	0.29795896	3.322671e-01	0.329987680	0.330208975
## HGLRE_align.W.PET	0.26964994	8.328147e-02	0.285650749	0.069609013
## GLNU_norm_align.W.PET	0.45929380	6.102741e-01	0.502115163	0.610555402
## RLNU_norm_align.W.PET	0.93106841	6.330286e-01	0.968427609	0.604770710
## GLVAR_align.W.PET	0.25711333	1.006701e-01	0.266141194	0.084539202
## RLVAR_align.W.PET	0.32685148	3.858149e-01	0.353216918	0.383365185
## Entropy_align.W.PET	0.87878712	5.115537e-01	0.906113449	0.480998491
## SZSE.W.PET	0.91304727	6.249115e-01	0.940892987	0.596527052
## LZSE.W.PET	0.10401061	1.100299e-01	0.130168896	0.112129948
## LGLZE.W.PET	0.48300797	5.210769e-01	0.512343532	0.513441932
## HGLZE.W.PET	0.25518544	7.720601e-02	0.272125122	0.063490225
## SZLGE.W.PET	0.56067647	6.126878e-01	0.583493135	0.601433592
## SZHGE.W.PET	0.24257513	7.234178e-02	0.259932240	0.058901401
## LZLGE.W.PET	-0.01786565	4.186547e-03	0.003037988	0.007203452
## LZHGE.W.PET	0.29072927	1.160605e-01	0.305161545	0.105210796
## GLNU_area.W.PET	0.32729931	-5.940966e-05	0.276729480	-0.019995100
## ZSNU.W.PET	0.25417657	-8.003872e-04	0.224303002	-0.016491547
## ZSP.W.PET	0.84812547	5.583143e-01	0.871425666	0.530129387
## GLNU_norm.W.PET	0.47658377	6.329820e-01	0.521444988	0.633613595
## ZSNU_norm.W.PET	0.84230738	5.611038e-01	0.866743851	0.533134303
## GLVAR_area.W.PET	0.26071376	1.058303e-01	0.269842362	0.089420294
## ZSVAR.W.PET	0.02705102	5.440632e-02	0.041437200	0.057225580
## Entropy_area.W.PET	0.91383584	5.415711e-01	0.943152475	0.510531001
## Min_hist.ADC	0.21579084	2.902179e-01	0.345432763	0.309501468
## Max_hist.ADC	0.91870069	5.279192e-01	0.874014485	0.492240001
## Mean_hist.ADC	0.83033013	5.517530e-01	0.867673995	0.529537662
## Variance_hist.ADC	0.53073177	3.235258e-01	0.437358044	0.296470291
## Standard_Deviation_hist.ADC	0.76715826	4.792157e-01	0.717018686	0.448198300
## Skewness_hist.ADC	0.23049912	1.658861e-01	0.225012010	0.164154504
## Kurtosis_hist.ADC	0.31232820	1.518626e-01	0.263261728	0.134664344
## Energy_hist.ADC	0.39717897	9.576417e-01	0.416818133	0.963880446
## Entropy_hist.ADC	0.96301398	5.726803e-01	0.946341428	0.535203656
## AUC_hist.ADC	0.94961701	6.620897e-01	0.970828137	0.635366567
## Volume.ADC	0.36764282	-4.212699e-02	0.322095996	-0.063822863
## X3D_surface.ADC	0.56917649	1.609897e-01	0.413819681	0.125972722
## ratio_3ds_vol.ADC	0.48415374	6.039432e-01	0.658214418	0.616606388
## ratio_3ds_vol_norm.ADC	0.92971248	5.619165e-01	0.936486048	0.530078683
## irregularity.ADC	0.86620878	6.605669e-01	0.964081480	0.644583316
## Compactness_v1.ADC	0.63038256	9.777349e-01	0.661933695	0.973828702
##	SZHGE.H.ADC	LZLGE.H.ADC	LZHGE.H.ADC	
## Failure	0.017929610	-0.0614689438	-0.0501939763	
## Entropy_cooc.W.ADC	0.003389224	0.1335643801	0.1150276738	
## GLNU_align.H.PET	-0.059730972	0.1164618566	0.0001977415	
## Min_hist.PET	0.532685450	0.3227145034	0.5157613614	
## Max_hist.PET	0.541443266	0.3775444042	0.5491745123	
## Mean_hist.PET	0.533661334	0.3356127560	0.5117648561	
## Variance_hist.PET	0.266304252	0.2099354054	0.2564240976	
## Standard_Deviation_hist.PET	0.537628831	0.3838544495	0.5256128379	
## Skewness_hist.PET	0.518570903	0.3990667868	0.5477913773	
## Kurtosis_hist.PET	0.123580515	0.2210117909	0.2313355871	
## Energy_hist.PET	0.412731129	0.6773568366	0.3430893742	
## Entropy_hist.PET	0.862579740	0.4930504855	0.8224785434	

## AUC_hist.PET	0.986730124	0.6827292194	0.9142059595
## H_suv.PET	0.559364686	0.4371130576	0.5278177234
## Volume.PET	0.317320339	0.0641205855	0.3863276159
## X3D_surface.PET	0.202976028	0.2209330008	0.2607026522
## ratio_3ds_vol.PET	0.562040164	0.5277674950	0.4959932763
## ratio_3ds_vol_norm.PET	0.559380611	0.6714959701	0.5530835461
## irregularity.PET	0.965752378	0.6201260468	0.8772110663
## tumor_length.PET	0.582253716	0.5763091205	0.6062216470
## Compactness_v1.PET	0.522672457	0.7274307610	0.4453429659
## Compactness_v2.PET	0.250960334	0.0189077727	0.2162065957
## Spherical_disproportion.PET	0.559380611	0.6714959701	0.5530835461
## Sphericity.PET	0.255318324	-0.1048477929	0.2275732437
## Asphericity.PET	0.537112900	0.6630113597	0.5332285929
## Center_of_mass.PET	0.357751921	0.3365131000	0.3967948115
## Max_3D_diam.PET	0.466484860	0.1657966143	0.4762418150
## Major_axis_length.PET	0.506674982	0.2567810537	0.5112190218
## Minor_axis_length.PET	0.646735618	0.4560318124	0.6630107749
## Least_axis_length.PET	0.548106918	0.3492151734	0.5811859743
## Elongation.PET	0.848915676	0.6208858367	0.7612170876
## Flatness.PET	0.784723474	0.5657063064	0.7306755691
## Max_cooc.L.PET	0.434223059	0.7176726758	0.3774345652
## Average_cooc.L.PET	0.824787687	0.4877332688	0.6897130952
## Variance_cooc.L.PET	0.663319911	0.3586412940	0.5375740765
## Entropy_cooc.L.PET	0.980983071	0.6210672107	0.8913130266
## DAVE_cooc.L.PET	0.770080160	0.4302323959	0.6402108519
## DVAR_cooc.L.PET	0.675613888	0.4415039398	0.5826323628
## DENT_cooc.L.PET	0.972715179	0.6004246225	0.8716572118
## SAVE_cooc.L.PET	0.824649171	0.4870664783	0.6895931801
## SVAR_cooc.L.PET	0.671232173	0.3719526810	0.5578292228
## SENT_cooc.L.PET	0.972201763	0.6480239824	0.8793515961
## ASM_cooc.L.PET	0.404388176	0.7116156060	0.3465842546
## Contrast_cooc.L.PET	0.561400882	0.2890354308	0.4329869643
## Dissimilarity_cooc.L.PET	0.770080160	0.4302323959	0.6402108519
## Inv_diff_cooc.L.PET	0.830038219	0.6980836540	0.8118910901
## Inv_diff_norm_cooc.L.PET	0.986618563	0.6681899246	0.9188209234
## IDM_cooc.L.PET	0.734878955	0.6988653055	0.7306513740
## IDM_norm_cooc.L.PET	0.991639152	0.6635347228	0.9185597683
## Inv_var_cooc.L.PET	0.738922526	0.7014514324	0.7377257775
## Correlation_cooc.L.PET	0.648240787	0.5012023423	0.6357017293
## Autocorrelation_cooc.L.PET	0.622658886	0.3574417987	0.4870325844
## Tendency_cooc.L.PET	0.671232173	0.3719526810	0.5578292228
## Shade_cooc.L.PET	0.328190944	0.1641228538	0.3141284608
## Prominence_cooc.L.PET	0.477861020	0.2419764486	0.3899914573
## IC1_.L.PET	-0.389653041	0.0339208098	-0.2904913091
## IC2_.L.PET	0.904734301	0.5861247149	0.7780506438
## Coarseness_vdif_.L.PET	0.455810382	0.6154800771	0.3692450580
## Contrast_vdif_.L.PET	0.241451639	0.1063223782	0.1610477448
## Busyness_vdif_.L.PET	0.296488405	0.1649960551	0.3723027984
## Complexity_vdif_.L.PET	0.719992913	0.4549686604	0.6145727942
## Strength_vdif_.L.PET	0.296892058	0.1469518300	0.2703968475
## SRE_align.L.PET	0.994847513	0.6575773390	0.9129374371
## LRE_align.L.PET	0.985167590	0.6597045243	0.9149631754
## GLNU_align.L.PET	0.241944908	0.1576515867	0.3204395940
## RLNU_align.L.PET	0.223343122	0.1075408717	0.2757154033

## RP_align.L.PET	0.994840798	0.6564885098	0.9119563484
## LGRE_align.L.PET	0.597952446	0.6403713593	0.6227774816
## HGRE_align.L.PET	0.644662094	0.3671175889	0.5021567894
## LGSRE_align.L.PET	0.602616595	0.6476577552	0.6259713697
## HGSRE_align.L.PET	0.643206164	0.3654969163	0.5005497617
## LGHRE_align.L.PET	0.576198988	0.6092384701	0.6060137742
## HGLRE_align.L.PET	0.648665803	0.3730743255	0.5072064507
## GLNU_norm_align.L.PET	0.643926183	0.7613429910	0.6071223059
## RLNU_norm_align.L.PET	0.994048270	0.6531155179	0.9077209897
## GLVAR_align.L.PET	0.690571602	0.3895375471	0.5600358868
## RLVAR_align.L.PET	0.606972753	0.7592974534	0.5815126352
## Entropy_align.L.PET	0.985559440	0.6257226443	0.8941301206
## SZSE.L.PET	0.972607771	0.6480237465	0.8946289540
## LZSE.L.PET	0.685205333	0.4706469262	0.6426238742
## LGLZE.L.PET	0.609941002	0.6537705311	0.6303950623
## HGLZE.L.PET	0.654292979	0.3720568675	0.5118739135
## SZLGE.L.PET	0.619522487	0.6718772419	0.6332114559
## SZHGE.L.PET	0.648612993	0.3715681623	0.5118660690
## LZLGE.L.PET	0.478922260	0.5080405704	0.5270732321
## LZHGE.L.PET	0.537121765	0.3039684959	0.4056621750
## GLNU_area.L.PET	0.244219710	0.1501822051	0.3201312076
## ZSNU.L.PET	0.225508391	0.0981657567	0.2752471243
## ZSP.L.PET	0.980345117	0.6438735027	0.8961459052
## GLNU_norm.L.PET	0.644284528	0.7634063485	0.6049823035
## ZSNU_norm.L.PET	0.983371433	0.6425303976	0.8934712162
## GLVAR_area.L.PET	0.701944630	0.3982757742	0.5687329133
## ZSVAR.L.PET	0.425457634	0.4607906413	0.4486897594
## Entropy_area.L.PET	0.984831518	0.6311677221	0.8994362046
## Max_cooc.H.PET	0.306668134	0.2595260261	0.2338658289
## Average_cooc.H.PET	0.972310088	0.6108461477	0.8837476938
## Variance_cooc.H.PET	0.854717292	0.5535070852	0.7968413946
## Entropy_cooc.H.PET	0.841610325	0.5117888790	0.7705520071
## DAVE_cooc.H.PET	0.878884514	0.5465507739	0.8009761782
## DVAR_cooc.H.PET	0.854017829	0.5275766337	0.7687220597
## DENT_cooc.H.PET	0.771570179	0.4845647262	0.7435777183
## SAVE_cooc.H.PET	0.978192719	0.6207915198	0.8997267546
## SVAR_cooc.H.PET	0.833738409	0.5596081503	0.8109085329
## SENT_cooc.H.PET	0.673135082	0.6599448407	0.6485558639
## ASM_cooc.H.PET	0.289376452	0.3059144109	0.2036283100
## Contrast_cooc.H.PET	0.786240681	0.4743368809	0.7000285117
## Dissimilarity_cooc.H.PET	0.878884514	0.5465507739	0.8009761782
## Inv_diff_cooc.H.PET	0.669927181	0.4759600174	0.5826491301
## Inv_diff_norm_cooc.H.PET	0.990376925	0.6631856150	0.9115308982
## IDM_cooc.H.PET	0.566312736	0.4076415474	0.4804042348
## IDM_norm_cooc.H.PET	0.993346135	0.6619147596	0.9155251127
## Inv_var_cooc.H.PET	0.561537212	0.7661893627	0.5184887085
## Correlation_cooc.H.PET	0.655356794	0.5133151560	0.6497550402
## Autocorrelation_cooc.H.PET	0.915746250	0.5718146306	0.8240680408
## Tendency_cooc.H.PET	0.815273477	0.5467061302	0.7778850514
## Shade_cooc.H.PET	-0.417925563	-0.2626597015	-0.3638751335
## Prominence_cooc.H.PET	0.601229258	0.4150059070	0.5792694928
## IC1_d.H.PET	-0.133433928	0.1534293788	-0.1258532169
## IC2_d.H.PET	0.772572123	0.5666652955	0.7447271670
## Coarseness_vdif.H.PET	0.399789878	0.6944680083	0.3362450421

## Contrast_vdif.H.PET	0.295678143	0.1442191076	0.2075795231
## Busyness_vdif.H.PET	0.123591949	-0.1867591698	0.1866741476
## Complexity_vdif.H.PET	0.646035595	0.6084291992	0.5692636393
## Strength_vdif.H.PET	0.032492471	-0.0053300565	-0.0156674614
## SRE_align.H.PET	0.967919263	0.6509504128	0.8999756565
## LRE_align.H.PET	0.639580229	0.3981298903	0.5579610050
## RLNU_align.H.PET	0.223305800	0.1184799843	0.2736500502
## RP_align.H.PET	0.956354093	0.6441254432	0.8893010395
## LGRE_align.H.PET	0.423056929	0.7202252062	0.3580301234
## HGRE_align.H.PET	0.921732873	0.5652574469	0.8273421685
## LGSRE_align.H.PET	0.420604662	0.7192092990	0.3557169578
## HGSRE_align.H.PET	0.965558424	0.5978974234	0.8818671496
## LGHRE_align.H.PET	0.436225704	0.7254249854	0.3700445637
## HGLRE_align.H.PET	0.442083332	0.2692033579	0.3641696018
## GLNU_norm_align.H.PET	0.510850389	0.3634592360	0.4188461402
## RLNU_norm_align.H.PET	0.906266178	0.6173894554	0.8470439988
## GLVAR_align.H.PET	0.820925074	0.5410751965	0.7685252200
## RLVAR_align.H.PET	0.283939966	0.2077001528	0.2268397665
## Entropy_align.H.PET	0.898088032	0.5985679239	0.8484520690
## SZSE.H.PET	0.848650819	0.5981906537	0.8168730155
## LZSE.H.PET	-0.052940497	-0.0238491575	-0.0644599529
## LGLZE.H.PET	0.423775613	0.7199624407	0.3585187585
## HGLZE.H.PET	0.863796860	0.5419539119	0.8079783370
## SZLGE.H.PET	0.417233469	0.7172358613	0.3527944661
## SZHGE.H.PET	0.827966705	0.5359738778	0.8015073166
## LZLGE.H.PET	0.005181739	0.0817965416	-0.0129495621
## LZHGE.H.PET	-0.044108930	-0.0174579080	-0.0645244415
## GLNU_area.H.PET	0.255678369	0.1145329213	0.3285638397
## ZSNU.H.PET	0.197591241	0.0904417133	0.2334095528
## ZSP.H.PET	0.668418341	0.4655635489	0.6496209924
## GLNU_norm.H.PET	0.523811710	0.3648360524	0.4249716004
## ZSNU_norm.H.PET	0.718408654	0.5132368221	0.7002576736
## GLVAR_area.H.PET	0.799660236	0.5315111106	0.7471145994
## ZSVAR.H.PET	-0.051131552	-0.0119229788	-0.0619642857
## Entropy_area.H.PET	0.943683135	0.6329532507	0.8862845570
## Max_cooc.W.PET	0.336337603	0.4061150837	0.2514156487
## Average_cooc.W.PET	0.530446371	0.3592166122	0.5010554255
## Variance_cooc.W.PET	0.265204153	0.2076045981	0.2581263750
## Entropy_cooc.W.PET	0.856125755	0.5646874391	0.8115121805
## DAVE_cooc.W.PET	0.554941779	0.3528585784	0.5248095989
## DVAR_cooc.W.PET	0.301026308	0.1889814108	0.2778239571
## DENT_cooc.W.PET	0.839847596	0.5543989398	0.7983285274
## SAVE_cooc.W.PET	0.529762533	0.3578469630	0.5004893505
## SVAR_cooc.W.PET	0.238284916	0.2110458583	0.2403920649
## SENT_cooc.W.PET	0.888686654	0.6316445155	0.8458446212
## ASM_cooc.W.PET	0.362938954	0.5335086741	0.2773781666
## Contrast_cooc.W.PET	0.311510785	0.1791632804	0.2810921696
## Dissimilarity_cooc.W.PET	0.554941779	0.3528585784	0.5248095989
## Inv_diff_cooc.W.PET	0.749026596	0.5193081519	0.6576094698
## Inv_diff_norm_cooc.W.PET	0.987065712	0.6682942474	0.9183536278
## IDM_cooc.W.PET	0.616282223	0.4339593683	0.5265715617
## IDM_norm_cooc.W.PET	0.991803668	0.6638590274	0.9185063130
## Inv_var_cooc.W.PET	0.684198697	0.4869092108	0.5962728373
## Correlation_cooc.W.PET	0.647333627	0.5024961681	0.6373826734

## Autocorrelation_cooc.W.PET	0.266817186	0.1944971777	0.2461887584
## Tendency_cooc.W.PET	0.238284916	0.2110458583	0.2403920649
## Shade_cooc.W.PET	0.044070759	0.1067770051	0.0495560195
## Prominence_cooc.W.PET	0.015669745	0.0735486184	0.0068161514
## IC1_d.W.PET	-0.154026917	0.1957800284	-0.1563058568
## IC2_d.W.PET	0.840749315	0.5911307282	0.7910462563
## Coarseness_vdif.W.PET	0.431386103	0.5418560203	0.3344000270
## Contrast_vdif.W.PET	0.487347804	0.3338283161	0.4328041568
## Busyness_vdif.W.PET	0.237248366	0.0171263512	0.2058680760
## Complexity_vdif.W.PET	0.171386494	0.1690340724	0.1707624387
## Strength_vdif.W.PET	0.232979965	0.2104956446	0.3191589549
## SRE_align.W.PET	0.988084186	0.6596480321	0.9141559673
## LRE_align.W.PET	0.866209426	0.5580911686	0.7741804031
## GLNU_align.W.PET	0.249802673	0.1115497748	0.3181053231
## RLNU_align.W.PET	0.223474483	0.1160280513	0.2759209587
## RP_align.W.PET	0.983829864	0.6572319104	0.9110408253
## LGRE_align.W.PET	0.490580982	0.3687861091	0.4309848032
## HGRE_align.W.PET	0.270255208	0.1873171951	0.2470444167
## LGSRE_align.W.PET	0.524903472	0.4037221525	0.4677464553
## HGSRE_align.W.PET	0.266109259	0.1827472830	0.2428995440
## LGHRE_align.W.PET	0.333966709	0.2275786052	0.2706176710
## HGLRE_align.W.PET	0.286636256	0.2056819778	0.2632782956
## GLNU_norm_align.W.PET	0.507393026	0.4207813384	0.4158682678
## RLNU_norm_align.W.PET	0.964849042	0.6490355668	0.8972028269
## GLVAR_align.W.PET	0.266168891	0.2093362555	0.2567292668
## RLVAR_align.W.PET	0.355509863	0.3064441783	0.2844205953
## Entropy_align.W.PET	0.900731626	0.5969942164	0.8489531887
## SZSE.W.PET	0.936051293	0.6412858912	0.8814313008
## LZSE.W.PET	0.133281538	0.0786378417	0.0806198923
## LGLZE.W.PET	0.513633286	0.3975194785	0.4501108334
## HGLZE.W.PET	0.273512844	0.1873534833	0.2519779077
## SZLGE.W.PET	0.583088174	0.4875302936	0.5242501762
## SZHGE.W.PET	0.261518566	0.1733156303	0.2411054919
## LZLGE.W.PET	0.007495276	-0.0149378100	-0.0352884497
## LZHGE.W.PET	0.304973586	0.2572158436	0.2780311963
## GLNU_area.W.PET	0.259130356	0.1161174759	0.3325228855
## ZSNU.W.PET	0.213317630	0.1052731548	0.2597232070
## ZSP.W.PET	0.866473993	0.5936843744	0.8238337246
## GLNU_norm.W.PET	0.526578753	0.4371388536	0.4311545323
## ZSNU_norm.W.PET	0.862119465	0.5943234440	0.8186462762
## GLVAR_area.W.PET	0.269843595	0.2124066186	0.2597208965
## ZSVAR.W.PET	0.043370735	0.0344695850	0.0078966591
## Entropy_area.W.PET	0.937608494	0.6210202879	0.8792660506
## Min_hist.ADC	0.368642263	0.0775363682	0.1945168049
## Max_hist.ADC	0.854850053	0.6741131525	0.8920050173
## Mean_hist.ADC	0.862593446	0.5463855357	0.7973391595
## Variance_hist.ADC	0.412401539	0.4293943054	0.5064956866
## Standard_Deviation_hist.ADC	0.696839368	0.5530221993	0.7337777684
## Skewness_hist.ADC	0.229387985	0.2172397702	0.2556197080
## Kurtosis_hist.ADC	0.258562036	0.3475600501	0.3503178642
## Energy_hist.ADC	0.425459873	0.6874314891	0.3368743341
## Entropy_hist.ADC	0.930699184	0.6805044678	0.9289014669
## AUC_hist.ADC	0.964903988	0.6793832802	0.9195578999
## Volume.ADC	0.304655556	0.0618429152	0.3763953329

## X3D_surface.ADC	0.379519575	0.4748390792	0.5761004204
## ratio_3ds_vol.ADC	0.686721417	0.2814828670	0.4422806131
## ratio_3ds_vol_norm.ADC	0.925029200	0.5840607836	0.9022076843
## irregularity.ADC	0.972717098	0.5701741689	0.8189849692
## Compactness_v1.ADC	0.668250609	0.7792648395	0.5671012799
##	GLNU_area.H.ADC	ZSNU.H.ADC	ZSP.H.ADC
## Failure	-0.1687971898	-0.1704972719	0.017654408
## Entropy_cooc.W.ADC	0.2643003579	0.2647566833	0.001636504
## GLNU_align.H.PET	0.1666717072	0.1686867941	-0.056772398
## Min_hist.PET	0.2775851626	0.2815674256	0.528850701
## Max_hist.PET	0.3183249081	0.3223642050	0.537635839
## Mean_hist.PET	0.2915942259	0.2966545832	0.529028894
## Variance_hist.PET	0.1870708618	0.1922890346	0.263291307
## Standard_Deviation_hist.PET	0.2985644282	0.3040632007	0.534943973
## Skewness_hist.PET	0.2159148512	0.2118508005	0.524006234
## Kurtosis_hist.PET	0.0981779399	0.0911891267	0.128479962
## Energy_hist.PET	0.0747401663	0.0741394814	0.459920666
## Entropy_hist.PET	0.4139501083	0.4161688150	0.859756865
## AUC_hist.PET	0.3634404859	0.3658480182	0.991336713
## H_suv.PET	0.3249588216	0.3303543406	0.562195646
## Volume.PET	0.3534616359	0.3527581317	0.305082713
## X3D_surface.PET	0.2455312214	0.2482672376	0.207601686
## ratio_3ds_vol.PET	0.0439192298	0.0434017365	0.583702603
## ratio_3ds_vol_norm.PET	0.2607104299	0.2627216486	0.579821187
## irregularity.PET	0.2655994298	0.2678283888	0.968719944
## tumor_length.PET	0.3913435418	0.3953710930	0.584886491
## Compactness_v1.PET	0.1911751226	0.1921132036	0.562531659
## Compactness_v2.PET	0.1565837646	0.1598835757	0.227398144
## Spherical_disproportion.PET	0.2607104299	0.2627216486	0.579821187
## Sphericity.PET	0.1548665767	0.1575072613	0.225354317
## Asphericity.PET	0.2541546945	0.2561030857	0.557952991
## Center_of_mass.PET	0.3018240744	0.3034957943	0.356934695
## Max_3D_diam.PET	0.3304748037	0.3332249320	0.447841928
## Major_axis_length.PET	0.3492210451	0.3514667810	0.494378366
## Minor_axis_length.PET	0.4692354270	0.4731116132	0.640049127
## Least_axis_length.PET	0.4380290497	0.4422920544	0.538738017
## Elongation.PET	0.3254204851	0.3295587932	0.856407631
## Flatness.PET	0.3355752930	0.3403177412	0.790447594
## Max_cooc.L.PET	0.1117573096	0.1110431782	0.480934358
## Average_cooc.L.PET	0.1830190828	0.1878295546	0.823670528
## Variance_cooc.L.PET	0.0417220429	0.0440405277	0.663963940
## Entropy_cooc.L.PET	0.3642467563	0.3683858944	0.977736948
## DAVE_cooc.L.PET	0.1133366804	0.1159198742	0.771581116
## DVAR_cooc.L.PET	0.0469189326	0.0469442522	0.679197797
## DENT_cooc.L.PET	0.2912526096	0.2945067845	0.972661945
## SAVE_cooc.L.PET	0.1829537405	0.1877665201	0.823472219
## SVAR_cooc.L.PET	0.0649342522	0.0674328075	0.670337774
## SENT_cooc.L.PET	0.3068181126	0.3100501217	0.977606423
## ASM_cooc.L.PET	0.1170857797	0.1166442561	0.452249120
## Contrast_cooc.L.PET	-0.0007911492	0.0009295442	0.564386556
## Dissimilarity_cooc.L.PET	0.1133366804	0.1159198742	0.771581116
## Inv_diff_cooc.L.PET	0.3827624392	0.3842455642	0.840572418
## Inv_diff_norm_cooc.L.PET	0.3664875492	0.3693549061	0.988604358
## IDM_cooc.L.PET	0.3572716603	0.3579751233	0.750710350

## IDM_norm_cooc.L.PET	0.3582366272	0.3611757727	0.993392831
## Inv_var_cooc.L.PET	0.3752420839	0.3759685506	0.754151761
## Correlation_cooc.L.PET	0.3251232100	0.3283084581	0.648353314
## Autocorrelation_cooc.L.PET	0.0727988959	0.0770635214	0.622028749
## Tendency_cooc.L.PET	0.0649342522	0.0674328075	0.670337774
## Shade_cooc.L.PET	0.0811115314	0.0797327817	0.327156960
## Prominence_cooc.L.PET	-0.0148461819	-0.0143480694	0.478345853
## IC1_.L.PET	0.1534744139	0.1523956275	-0.376122750
## IC2_.L.PET	0.1789877169	0.1822867843	0.911529698
## Coarseness_vdif_.L.PET	0.0103870275	0.0096599288	0.498192240
## Contrast_vdif_.L.PET	-0.1047343063	-0.1048203360	0.250803854
## Busyness_vdif_.L.PET	0.3409355303	0.3410827834	0.292208923
## Complexity_vdif_.L.PET	0.1137695896	0.1153322852	0.728298549
## Strength_vdif_.L.PET	-0.1663771390	-0.1690231406	0.311338980
## SRE_align.L.PET	0.3402536937	0.3432172731	0.996862736
## LRE_align.L.PET	0.3576547377	0.3605674293	0.986382869
## GLNU_align.L.PET	0.2846142030	0.2850723777	0.237745485
## RLNU_align.L.PET	0.3024206807	0.3050709253	0.217221517
## RP_align.L.PET	0.3382471285	0.3412084979	0.996895868
## LGRE_align.L.PET	0.1713877144	0.1684622553	0.624042531
## HGRE_align.L.PET	0.0912772897	0.0958164967	0.643947216
## LGSRE_align.L.PET	0.1731286140	0.1702673927	0.629256195
## HGSRE_align.L.PET	0.0880787114	0.0925395668	0.642540738
## LGHRE_align.L.PET	0.1637078015	0.1605450742	0.600003196
## HGLRE_align.L.PET	0.1042627025	0.1091179197	0.647714262
## GLNU_norm_align.L.PET	0.1968703577	0.1954131015	0.680948310
## RLNU_norm_align.L.PET	0.3311160284	0.3340813623	0.996238375
## GLVAR_align.L.PET	0.0769207432	0.0800944473	0.690428230
## RLVAR_align.L.PET	0.2798502288	0.2806363282	0.638939289
## Entropy_align.L.PET	0.3579859775	0.3622138362	0.982982426
## SZSE.L.PET	0.3358791741	0.3387322272	0.974874087
## LZSE.L.PET	0.2499197302	0.2520328956	0.685699393
## LGLZE.L.PET	0.1752755568	0.1724449367	0.635802717
## HGLZE.L.PET	0.0924487303	0.0969953269	0.653356540
## SZLGE.L.PET	0.1808397882	0.1782406459	0.646272384
## SZHGE.L.PET	0.0917235465	0.0959925867	0.647634223
## LZLGE.L.PET	0.1419042723	0.1381428637	0.497398443
## LZHGE.L.PET	0.0832999184	0.0882450325	0.536551249
## GLNU_area.L.PET	0.2922232695	0.2929061232	0.239692776
## ZSNU.L.PET	0.3076725195	0.3103915225	0.218682992
## ZSP.L.PET	0.3286209475	0.3314480540	0.982430520
## GLNU_norm.L.PET	0.1991862915	0.1978455238	0.681494209
## ZSNU_norm.L.PET	0.3151399306	0.3179606359	0.985505584
## GLVAR_area.L.PET	0.0774609197	0.0807635518	0.701361269
## ZSVAR.L.PET	0.2259839289	0.2271079082	0.434642490
## Entropy_area.L.PET	0.3671571624	0.3713470749	0.982245089
## Max_cooc.H.PET	-0.0339620309	-0.0364827760	0.319923280
## Average_cooc.H.PET	0.2859525424	0.2878309213	0.972841955
## Variance_cooc.H.PET	0.3568880842	0.3620371713	0.853306741
## Entropy_cooc.H.PET	0.3074623452	0.3101353153	0.836389100
## DAVE_cooc.H.PET	0.3071949252	0.3105429831	0.879013904
## DVAR_cooc.H.PET	0.2843773833	0.2877423953	0.856096472
## DENT_cooc.H.PET	0.3764850872	0.3802996928	0.761322090
## SAVE_cooc.H.PET	0.3251170659	0.3272895082	0.977316633

## SVAR_cooc.H.PET	0.4321328978	0.4356759640	0.833454614
## SENT_cooc.H.PET	0.2744169718	0.2775213606	0.692134437
## ASM_cooc.H.PET	-0.0264486481	-0.0285582534	0.308335549
## Contrast_cooc.H.PET	0.2626967243	0.2660871843	0.787521371
## Dissimilarity_cooc.H.PET	0.3071949252	0.3105429831	0.879013904
## Inv_diff_cooc.H.PET	0.1536960387	0.1536112238	0.678059556
## Inv_diff_norm_cooc.H.PET	0.3413261452	0.3441314004	0.992677575
## IDM_cooc.H.PET	0.1035468575	0.1027959430	0.575171756
## IDM_norm_cooc.H.PET	0.3451101571	0.3479964190	0.995239104
## Inv_var_cooc.H.PET	0.2352221967	0.2363649056	0.598898710
## Correlation_cooc.H.PET	0.3237536107	0.3275527101	0.655294838
## Autocorrelation_cooc.H.PET	0.2334656989	0.2345553923	0.917179415
## Tendency_cooc.H.PET	0.3758608114	0.3814998123	0.812527828
## Shade_cooc.H.PET	-0.0695389765	-0.0737180531	-0.417204434
## Prominence_cooc.H.PET	0.3426453913	0.3492245807	0.597041856
## IC1_d.H.PET	-0.0737381707	-0.0768184433	-0.107390715
## IC2_d.H.PET	0.3411467947	0.3451213801	0.775564023
## Coarseness_vdif.H.PET	0.0957016521	0.0953659961	0.447881196
## Contrast_vdif.H.PET	-0.1014082920	-0.1029597901	0.303661552
## Busyness_vdif.H.PET	0.2277740495	0.2265232947	0.104824693
## Complexity_vdif.H.PET	0.1447168042	0.1459084876	0.669933607
## Strength_vdif.H.PET	-0.0985476554	-0.0997431349	0.038140646
## SRE_align.H.PET	0.3524818640	0.3558117768	0.969826577
## LRE_align.H.PET	0.1598001763	0.1595481535	0.639522031
## RLNU_align.H.PET	0.3006588232	0.3034954245	0.217462687
## RP_align.H.PET	0.3472354948	0.3505848901	0.958340343
## LGRE_align.H.PET	0.1333521527	0.1336843845	0.470290698
## HGRE_align.H.PET	0.2558718047	0.2570150410	0.922182235
## LGSRE_align.H.PET	0.1320001174	0.1323056243	0.467907544
## HGSRE_align.H.PET	0.2901269679	0.2917123255	0.965399445
## LGHRE_align.H.PET	0.1406359695	0.1411028417	0.483060579
## HGLRE_align.H.PET	0.0867870943	0.0868531450	0.442531264
## GLNU_norm_align.H.PET	0.0272644807	0.0250337801	0.522220350
## RLNU_norm_align.H.PET	0.3392598499	0.3428264627	0.908202458
## GLVAR_align.H.PET	0.3644272339	0.3697095058	0.819085518
## RLVAR_align.H.PET	0.0720189747	0.0719359660	0.285682115
## Entropy_align.H.PET	0.4102974936	0.4154255270	0.894680742
## SZSE.H.PET	0.3638978401	0.3679728673	0.850262105
## LZSE.H.PET	-0.0087121825	-0.0096655030	-0.062129383
## LGLZE.H.PET	0.1336476575	0.1340334391	0.470952835
## HGLZE.H.PET	0.2935540153	0.2948744092	0.861203383
## SZLGE.H.PET	0.1301559585	0.1304393548	0.464581251
## SZHGE.H.PET	0.3033444301	0.3055454814	0.825548344
## LZLGE.H.PET	0.0175789325	0.0166594613	0.001976338
## LZHGE.H.PET	-0.0335240005	-0.0345988527	-0.049871938
## GLNU_area.H.PET	0.3128174104	0.3135998909	0.249216476
## ZSNU.H.PET	0.2796620400	0.2829448015	0.191224833
## ZSP.H.PET	0.2978547779	0.3016210589	0.668511661
## GLNU_norm.H.PET	0.0154911715	0.0135431858	0.536436018
## ZSNU_norm.H.PET	0.3267122075	0.3309648446	0.720838187
## GLVAR_area.H.PET	0.3694744499	0.3747761445	0.797323944
## ZSVAR.H.PET	-0.0180674165	-0.0192999903	-0.058948401
## Entropy_area.H.PET	0.4123879464	0.4166808965	0.940761184
## Max_cooc.W.PET	-0.0006611058	-0.0026307296	0.362196807

## Average_cooc.W.PET	0.2874896769	0.2937465651	0.525768448
## Variance_cooc.W.PET	0.1728647558	0.1775978850	0.263063919
## Entropy_cooc.W.PET	0.3866965471	0.3915741090	0.852557388
## DAVE_cooc.W.PET	0.2508874026	0.2556980268	0.553130657
## DVAR_cooc.W.PET	0.1577587806	0.1622164347	0.299572659
## DENT_cooc.W.PET	0.3562277667	0.3605603169	0.838211620
## SAVE_cooc.W.PET	0.2873173905	0.2935761779	0.524984654
## SVAR_cooc.W.PET	0.1773344805	0.1819602586	0.235974258
## SENT_cooc.W.PET	0.3725799985	0.3768386522	0.892450435
## ASM_cooc.W.PET	0.0316504027	0.0301965343	0.398891152
## Contrast_cooc.W.PET	0.1455782783	0.1501700924	0.309947164
## Dissimilarity_cooc.W.PET	0.2508874026	0.2556980268	0.553130657
## Inv_diff_cooc.W.PET	0.1865355087	0.1866027150	0.756293902
## Inv_diff_norm_cooc.W.PET	0.3636723721	0.3665282653	0.989135468
## IDM_cooc.W.PET	0.1229531661	0.1223110129	0.624606170
## IDM_norm_cooc.W.PET	0.3570705109	0.3600080177	0.993611550
## Inv_var_cooc.W.PET	0.1600396963	0.1596191822	0.693198341
## Correlation_cooc.W.PET	0.3293946092	0.3326126328	0.647488507
## Autocorrelation_cooc.W.PET	0.1955464736	0.2016455980	0.261397667
## Tendency_cooc.W.PET	0.1773344805	0.1819602586	0.235974258
## Shade_cooc.W.PET	0.0637053591	0.0650354131	0.044700362
## Prominence_cooc.W.PET	0.0385943092	0.0405214017	0.014678457
## IC1_d.W.PET	-0.0389573649	-0.0421918795	-0.126268392
## IC2_d.W.PET	0.3117161492	0.3158394940	0.847097664
## Coarseness_vdif.W.PET	-0.0294284703	-0.0303782634	0.470039765
## Contrast_vdif.W.PET	0.1023001441	0.1058612739	0.494635750
## Busyness_vdif.W.PET	0.1098734873	0.1084193115	0.228059259
## Complexity_vdif.W.PET	0.1377911142	0.1413817853	0.170012996
## Strength_vdif.W.PET	-0.0466651091	-0.0486067723	0.246614190
## SRE_align.W.PET	0.3512252396	0.3543767517	0.989962485
## LRE_align.W.PET	0.2670635690	0.2689653980	0.866974811
## GLNU_align.W.PET	0.2919142481	0.2921462210	0.243541766
## RLNU_align.W.PET	0.3000369440	0.3027177962	0.217716020
## RP_align.W.PET	0.3506757893	0.3538603848	0.985770833
## LGRE_align.W.PET	0.0341077550	0.0311233829	0.502256453
## HGRE_align.W.PET	0.2025853643	0.2087897321	0.264470604
## LGSRE_align.W.PET	0.0464030634	0.0434325737	0.537942779
## HGSRE_align.W.PET	0.1981749933	0.2043041069	0.260378827
## LGHRE_align.W.PET	-0.0062087782	-0.0090283147	0.339679876
## HGLRE_align.W.PET	0.2195723834	0.2261001752	0.280644518
## GLNU_norm_align.W.PET	0.0303779532	0.0281726439	0.524799903
## RLNU_norm_align.W.PET	0.3509938264	0.3543436619	0.966692613
## GLVAR_align.W.PET	0.1877136130	0.1929160205	0.263004244
## RLVAR_align.W.PET	0.0722485652	0.0720199094	0.363606748
## Entropy_align.W.PET	0.4050421708	0.4100803904	0.897383363
## SZSE.W.PET	0.3622546021	0.3656783793	0.938038666
## LZSE.W.PET	-0.0358135748	-0.0370307697	0.132686688
## LGLZE.W.PET	0.0482986122	0.0455799258	0.526324680
## HGLZE.W.PET	0.1971593467	0.2032322508	0.267873478
## SZLGE.W.PET	0.0957507578	0.0934578613	0.599345312
## SZHGE.W.PET	0.1815016915	0.1873066023	0.256130281
## LZLGE.W.PET	-0.0608933685	-0.0626956154	0.003271076
## LZHGE.W.PET	0.2179640422	0.2246269600	0.302509148
## GLNU_area.W.PET	0.3098316779	0.3102956630	0.252871325

## ZSNU.W.PET	0.2927560690	0.2956635856	0.207337282
## ZSP.W.PET	0.3550765367	0.3587129020	0.867672497
## GLNU_norm.W.PET	0.0313433970	0.0292798356	0.544925202
## ZSNU_norm.W.PET	0.3487574125	0.3525351284	0.864044173
## GLVAR_area.W.PET	0.1850551711	0.1902714486	0.266813968
## ZSVAR.W.PET	-0.0542916919	-0.0557298773	0.042595973
## Entropy_area.W.PET	0.4073681235	0.4120115707	0.934391422
## Min_hist.ADC	-0.2908465584	-0.2918920920	0.368812911
## Max_hist.ADC	0.5436407387	0.5458053048	0.854509072
## Mean_hist.ADC	0.2298460096	0.2302993747	0.863656777
## Variance_hist.ADC	0.4642515046	0.4613728059	0.415932676
## Standard_Deviation_hist.ADC	0.4849527826	0.4844914730	0.699095791
## Skewness_hist.ADC	0.1409146595	0.1436086253	0.232738097
## Kurtosis_hist.ADC	0.1959256642	0.2005812858	0.263492511
## Energy_hist.ADC	0.0805409590	0.0800908230	0.472218208
## Entropy_hist.ADC	0.4965060814	0.5004017214	0.929795705
## AUC_hist.ADC	0.4021418916	0.4054333686	0.969504205
## Volume.ADC	0.3592658085	0.3587127990	0.291646508
## X3D_surface.ADC	0.8418165159	0.8427936072	0.376586819
## ratio_3ds_vol.ADC	-0.1902731386	-0.1919705746	0.698923511
## ratio_3ds_vol_norm.ADC	0.4134706907	0.4139256242	0.925174368
## irregularity.ADC	0.1723883570	0.1746682694	0.974098400
## Compactness_v1.ADC	0.1729521559	0.1749312541	0.705105811
##	GLNU_norm.H.ADC	ZSNU_norm.H.ADC	GLVAR_area.H.ADC
## Failure	0.04765631	0.027312019	0.0075632769
## Entropy_cooc.W.ADC	-0.01705213	-0.012055100	0.0134065954
## GLNU_align.H.PET	0.03587276	-0.064610156	-0.0561235711
## Min_hist.PET	0.20809486	0.526086199	0.5308610312
## Max_hist.PET	0.22517569	0.531141038	0.5419784737
## Mean_hist.PET	0.20517234	0.526130086	0.5318298145
## Variance_hist.PET	0.08896207	0.261845644	0.2625048182
## Standard_Deviation_hist.PET	0.24317315	0.530627832	0.5364675151
## Skewness_hist.PET	0.37720132	0.516374032	0.5218944515
## Kurtosis_hist.PET	0.16332541	0.116681084	0.1293639033
## Energy_hist.PET	0.96529245	0.465818932	0.4077336453
## Entropy_hist.PET	0.43342786	0.849484560	0.8704465054
## AUC_hist.PET	0.64825695	0.986522014	0.9891616170
## H_suv.PET	0.33809245	0.558776842	0.5590874939
## Volume.PET	-0.06994028	0.292308816	0.3335305212
## X3D_surface.PET	0.14094196	0.198721064	0.2118029680
## ratio_3ds_vol.PET	0.68554047	0.587927709	0.5594514352
## ratio_3ds_vol_norm.PET	0.68735077	0.577300528	0.5582268076
## irregularity.PET	0.61137949	0.965887075	0.9667958103
## tumor_length.PET	0.41278498	0.573993386	0.5864296527
## Compactness_v1.PET	0.93027092	0.565329927	0.5172085044
## Compactness_v2.PET	-0.18398201	0.224760675	0.2482414702
## Spherical_disproportion.PET	0.68735077	0.577300528	0.5582268076
## Sphericity.PET	-0.31349463	0.221328281	0.2570288660
## Asphericity.PET	0.68117201	0.555548874	0.5358600390
## Center_of_mass.PET	0.22583454	0.347581886	0.3619671403
## Max_3D_diam.PET	-0.04643347	0.439990687	0.4732313052
## Major_axis_length.PET	0.08416413	0.487920506	0.5115119245
## Minor_axis_length.PET	0.26427631	0.627442292	0.6552356166
## Least_axis_length.PET	0.13501696	0.527299337	0.5577113620

## Elongation.PET	0.61639668	0.850872468	0.8517140213
## Flatness.PET	0.51023743	0.785410578	0.7888088893
## Max_cooc.L.PET	0.98105987	0.484536428	0.4294765516
## Average_cooc.L.PET	0.48910605	0.826903190	0.8223403572
## Variance_cooc.L.PET	0.42042003	0.670608338	0.6577410497
## Entropy_cooc.L.PET	0.53877445	0.973039380	0.9820778859
## DAVE_cooc.L.PET	0.48131046	0.775586893	0.7671285829
## DVAR_cooc.L.PET	0.49535916	0.680988377	0.6708921276
## DENT_cooc.L.PET	0.57162329	0.970544906	0.9733315326
## SAVE_cooc.L.PET	0.48810584	0.826701226	0.8222072707
## SVAR_cooc.L.PET	0.40737552	0.676219659	0.6656747869
## SENT_cooc.L.PET	0.64647612	0.975603952	0.9735342003
## ASM_cooc.L.PET	0.97957925	0.455962729	0.3994942694
## Contrast_cooc.L.PET	0.38427670	0.571346868	0.5565400277
## Dissimilarity_cooc.L.PET	0.48131046	0.775586893	0.7671285829
## Inv_diff_cooc.L.PET	0.65457804	0.831676110	0.8339070323
## Inv_diff_norm_cooc.L.PET	0.61095973	0.982788223	0.9893650916
## IDM_cooc.L.PET	0.68388842	0.741682799	0.7384617504
## IDM_norm_cooc.L.PET	0.61030174	0.988073089	0.9941300462
## Inv_var_cooc.L.PET	0.68255477	0.744425872	0.7427936189
## Correlation_cooc.L.PET	0.41000049	0.642561377	0.6497734521
## Autocorrelation_cooc.L.PET	0.39325768	0.628580176	0.6184167116
## Tendency_cooc.L.PET	0.40737552	0.676219659	0.6656747869
## Shade_cooc.L.PET	0.16692549	0.328894185	0.3233894543
## Prominence_cooc.L.PET	0.30969629	0.486342605	0.4709698003
## IC1_.L.PET	-0.02567564	-0.385803736	-0.3862528745
## IC2_.L.PET	0.65113986	0.914976904	0.9006572388
## Coarseness_vdif_.L.PET	0.91772536	0.505723358	0.4511381433
## Contrast_vdif_.L.PET	0.23984574	0.260689476	0.2398644138
## Busyness_vdif_.L.PET	0.02560470	0.279026517	0.3116870649
## Complexity_vdif_.L.PET	0.52874389	0.731405804	0.7187926997
## Strength_vdif_.L.PET	0.32778174	0.319510303	0.2980397056
## SRE_align.L.PET	0.61717990	0.992503562	0.9967390859
## LRE_align.L.PET	0.59832247	0.980751071	0.9877541426
## GLNU_align.L.PET	0.02263781	0.225703097	0.2542756454
## RLNU_align.L.PET	-0.03135010	0.207794135	0.2350168715
## RP_align.L.PET	0.61734987	0.992656308	0.9966771469
## LGRE_align.L.PET	0.71828779	0.620613538	0.5989550930
## HGRE_align.L.PET	0.40854899	0.650605651	0.6402635767
## LGSRE_align.L.PET	0.72870671	0.626004953	0.6035111262
## HGSRE_align.L.PET	0.40941863	0.649247487	0.6387332325
## LGHRE_align.L.PET	0.67480460	0.595889823	0.5775430066
## HGLRE_align.L.PET	0.40350293	0.654161577	0.6445341658
## GLNU_norm_align.L.PET	0.94097631	0.679589258	0.6433925437
## RLNU_norm_align.L.PET	0.61847268	0.992400705	0.9956424925
## GLVAR_align.L.PET	0.43178723	0.696721266	0.6847873594
## RLVAR_align.L.PET	0.86360904	0.634851253	0.6065372062
## Entropy_align.L.PET	0.55238060	0.978795678	0.9865713124
## SZSE.L.PET	0.61738683	0.970420996	0.9743729045
## LZSE.L.PET	0.38746048	0.681049943	0.6874997925
## LGLZE.L.PET	0.73193702	0.632260978	0.6106641700
## HGLZE.L.PET	0.41250892	0.659856994	0.6498576177
## SZLGE.L.PET	0.76196885	0.643145643	0.6196206727
## SZHGE.L.PET	0.41772136	0.653545207	0.6442082611

## LZLGE.L.PET	0.52957652	0.491663807	0.4813145524
## LZHGE.L.PET	0.30760560	0.543727163	0.5331931522
## GLNU_area.L.PET	0.01690322	0.227772390	0.2567836592
## ZSNU.L.PET	-0.03982989	0.209305961	0.2373402435
## ZSP.L.PET	0.61679472	0.978539018	0.9818521150
## GLNU_norm.L.PET	0.94436245	0.680195638	0.6436669219
## ZSNU_norm.L.PET	0.61837146	0.982327001	0.9842621396
## GLVAR_area.L.PET	0.44097590	0.707549200	0.6956608383
## ZSVAR.L.PET	0.38900404	0.426564126	0.4283475743
## Entropy_area.L.PET	0.55007253	0.977433560	0.9862624345
## Max_cooc.H.PET	0.42451294	0.325069458	0.3034039807
## Average_cooc.H.PET	0.58564179	0.969354265	0.9742284179
## Variance_cooc.H.PET	0.46349064	0.847612612	0.8584366616
## Entropy_cooc.H.PET	0.41621759	0.835031905	0.8385877633
## DAVE_cooc.H.PET	0.49803649	0.874693100	0.8816239943
## DVAR_cooc.H.PET	0.50329693	0.852078392	0.8580004824
## DENT_cooc.H.PET	0.34286791	0.751726481	0.7745794446
## SAVE_cooc.H.PET	0.57039569	0.973021256	0.9805151656
## SVAR_cooc.H.PET	0.46766942	0.824522141	0.8402877479
## SENT_cooc.H.PET	0.67277737	0.688869734	0.6727218537
## ASM_cooc.H.PET	0.50385532	0.315099022	0.2849963238
## Contrast_cooc.H.PET	0.45183767	0.784795346	0.7886054675
## Dissimilarity_cooc.H.PET	0.49803649	0.874693100	0.8816239943
## Inv_diff_cooc.H.PET	0.55243090	0.678440882	0.6696455581
## Inv_diff_norm_cooc.H.PET	0.62251062	0.988205615	0.9922122666
## IDM_cooc.H.PET	0.50684386	0.576570922	0.5656697203
## IDM_norm_cooc.H.PET	0.61639123	0.990566445	0.9953167231
## Inv_var_cooc.H.PET	0.91381490	0.599493725	0.5567583806
## Correlation_cooc.H.PET	0.41230294	0.649236769	0.6568022930
## Autocorrelation_cooc.H.PET	0.57181553	0.914974514	0.9172391658
## Tendency_cooc.H.PET	0.42822017	0.805738571	0.8193930192
## Shade_cooc.H.PET	-0.23994130	-0.415469305	-0.4216276372
## Prominence_cooc.H.PET	0.28165260	0.590841363	0.6052431962
## IC1_d.H.PET	0.31200613	-0.108190615	-0.1328851183
## IC2_d.H.PET	0.48258512	0.772110315	0.7739916725
## Coarseness_vdif.H.PET	0.97459893	0.452965384	0.3944009624
## Contrast_vdif.H.PET	0.29945285	0.307667473	0.2999894301
## Busyness_vdif.H.PET	-0.32851505	0.095431145	0.1412005749
## Complexity_vdif.H.PET	0.73468861	0.670740079	0.6450691960
## Strength_vdif.H.PET	0.10686488	0.047922260	0.0280735155
## SRE_align.H.PET	0.59018649	0.964668144	0.9700857589
## LRE_align.H.PET	0.41447086	0.638742575	0.6385082627
## RLNU_align.H.PET	-0.02105949	0.208471434	0.2338714438
## RP_align.H.PET	0.58321003	0.953329912	0.9583796617
## LGRE_align.H.PET	0.97901142	0.474241786	0.4176183308
## HGRE_align.H.PET	0.56811091	0.919929248	0.9232471015
## LGSRE_align.H.PET	0.97867433	0.471887699	0.4151359436
## HGSRE_align.H.PET	0.57630097	0.961807910	0.9676201359
## LGHRE_align.H.PET	0.98098034	0.486873887	0.4309107450
## HGLRE_align.H.PET	0.30880115	0.444102719	0.4396708689
## GLNU_norm_align.H.PET	0.50746131	0.525457654	0.5097080049
## RLNU_norm_align.H.PET	0.54833038	0.903269517	0.9078036200
## GLVAR_align.H.PET	0.43618721	0.813066975	0.8246514949
## RLVAR_align.H.PET	0.24720898	0.286413269	0.2806025524

## Entropy_align.H.PET	0.46746659	0.888116844	0.8997441320
## SZSE.H.PET	0.50996385	0.842942352	0.8506911208
## LZSE.H.PET	-0.06906909	-0.063014636	-0.0599772045
## LGLZE.H.PET	0.97755730	0.474870001	0.4183660363
## HGLZE.H.PET	0.50026392	0.853026747	0.8676266891
## SZLGE.H.PET	0.97691941	0.468490729	0.4117534065
## SZHGE.H.PET	0.45967950	0.818526663	0.8295331440
## LZLGE.H.PET	0.06433005	0.001407145	-0.0025267574
## LZHGE.H.PET	-0.02954180	-0.048847365	-0.0510825871
## GLNU_area.H.PET	-0.02707315	0.236911051	0.2711915618
## ZSNU.H.PET	-0.03364801	0.184088395	0.2054556695
## ZSP.H.PET	0.37258323	0.662104265	0.6696151232
## GLNU_norm.H.PET	0.51539036	0.540142489	0.5231433411
## ZSNU_norm.H.PET	0.42343665	0.714562435	0.7194272819
## GLVAR_area.H.PET	0.42159026	0.790705721	0.8030593133
## ZSVAR_H.PET	-0.04771274	-0.059691658	-0.0580489885
## Entropy_area.H.PET	0.51387211	0.933968148	0.9461859278
## Max_cooc.W.PET	0.63311317	0.369260501	0.3309897378
## Average_cooc.W.PET	0.21669990	0.522707073	0.5287921497
## Variance_cooc.W.PET	0.09692893	0.261420818	0.2616673394
## Entropy_cooc.W.PET	0.43240834	0.846038161	0.8578289936
## DAVE_cooc.W.PET	0.25107337	0.550308871	0.5536233726
## DVAR_cooc.W.PET	0.10225270	0.299503267	0.2973716802
## DENT_cooc.W.PET	0.44143165	0.832228019	0.8413886433
## SAVE_cooc.W.PET	0.21474216	0.521914285	0.5281186894
## SVAR_cooc.W.PET	0.09077708	0.233597568	0.2349486868
## SENT_cooc.W.PET	0.55193713	0.886768174	0.8909148837
## ASM_cooc.W.PET	0.79831119	0.405865135	0.3570956434
## Contrast_cooc.W.PET	0.10314816	0.310366478	0.3077712464
## Dissimilarity_cooc.W.PET	0.25107337	0.550308871	0.5536233726
## Inv_diff_cooc.W.PET	0.58482799	0.755520511	0.7501457949
## Inv_diff_norm_cooc.W.PET	0.61276780	0.983456677	0.9897415638
## IDM_cooc.W.PET	0.52826405	0.625313388	0.6166301264
## IDM_norm_cooc.W.PET	0.61116415	0.988346283	0.9942772625
## Inv_var_cooc.W.PET	0.57294317	0.692718886	0.6856046787
## Correlation_cooc.W.PET	0.40809990	0.641558620	0.6489070324
## Autocorrelation_cooc.W.PET	0.06126193	0.261002769	0.2625891290
## Tendency_cooc.W.PET	0.09077708	0.233597568	0.2349486868
## Shade_cooc.W.PET	0.04988498	0.042973935	0.0405829015
## Prominence_cooc.W.PET	0.01858668	0.014270518	0.0111232684
## IC1_d.W.PET	0.36551125	-0.127353868	-0.1543801885
## IC2_d.W.PET	0.54816624	0.845809103	0.8410887569
## Coarseness_vdif.W.PET	0.84595238	0.479412263	0.4271689894
## Contrast_vdif.W.PET	0.34790890	0.496742070	0.4828387556
## Busyness_vdif.W.PET	-0.02458808	0.225578080	0.2419527369
## Complexity_vdif.W.PET	0.06321586	0.168426155	0.1681295721
## Strength_vdif.W.PET	0.22489687	0.242617337	0.2369850432
## SRE_align.W.PET	0.60641334	0.985005900	0.9901955927
## LRE_align.W.PET	0.54744067	0.864507089	0.8664503001
## GLNU_align.W.PET	-0.02317763	0.231448778	0.2646019205
## RLNU_align.W.PET	-0.02211247	0.208455596	0.2345762596
## RP_align.W.PET	0.60280063	0.980813681	0.9859814613
## LGRE_align.W.PET	0.48533853	0.504486562	0.4891549148
## HGRE_align.W.PET	0.05533686	0.264297944	0.2660084633

## LGSRE_align.W.PET	0.52011344	0.539720845	0.5239479220
## HGSRE_align.W.PET	0.05316461	0.260290364	0.2617853746
## LGHRE_align.W.PET	0.32978811	0.343191480	0.3302026527
## HGLRE_align.W.PET	0.06385101	0.280158978	0.2826725128
## GLNU_norm_align.W.PET	0.59744239	0.528854860	0.5053593129
## RLNU_norm_align.W.PET	0.58667372	0.961621481	0.9667667492
## GLVAR_align.W.PET	0.08698619	0.261539208	0.2623706619
## RLVAR_align.W.PET	0.38931456	0.365391213	0.3515892876
## Entropy_align.W.PET	0.46853703	0.890872002	0.9025797900
## SZSE.W.PET	0.57842763	0.931665975	0.9387430082
## LZSE.W.PET	0.11587511	0.135528478	0.1283243900
## LGLZE.W.PET	0.51208352	0.527518747	0.5126119978
## HGLZE.W.PET	0.05738448	0.267577073	0.2693390006
## SZLGE.W.PET	0.60283462	0.598650737	0.5829732076
## SZHGE.W.PET	0.05205935	0.255901183	0.2573018133
## LZLGE.W.PET	0.01704646	0.006740753	0.0005449406
## LZHGE.W.PET	0.10627439	0.302926794	0.3024399893
## GLNU_area.W.PET	-0.02251362	0.240301116	0.2748300406
## ZSNU.W.PET	-0.02515194	0.198805995	0.2232051974
## ZSP.W.PET	0.51263869	0.861189429	0.8690622252
## GLNU_norm.W.PET	0.61755071	0.548707350	0.5248765499
## ZSNU_norm.W.PET	0.51607115	0.857818566	0.8644321440
## GLVAR_area.W.PET	0.09239376	0.265233268	0.2660143882
## ZSVAR.W.PET	0.06497543	0.044438017	0.0385919049
## Entropy_area.W.PET	0.49991337	0.927968125	0.9394944012
## Min_hist.ADC	0.24937426	0.385893455	0.3570133308
## Max_hist.ADC	0.49531091	0.839276521	0.8648381953
## Mean_hist.ADC	0.49823517	0.858566309	0.8681129342
## Variance_hist.ADC	0.32707525	0.396454731	0.4232318798
## Standard_Deviation_hist.ADC	0.46005096	0.682262911	0.7070674848
## Skewness_hist.ADC	0.16278953	0.239755261	0.2236777605
## Kurtosis_hist.ADC	0.15263519	0.264068701	0.2612438288
## Energy_hist.ADC	0.97927541	0.480153569	0.4175934404
## Entropy_hist.ADC	0.53086003	0.914829346	0.9388516966
## AUC_hist.ADC	0.61518636	0.963962737	0.9696798576
## Volume.ADC	-0.07814538	0.278145360	0.3213559676
## X3D_surface.ADC	0.16416548	0.352318801	0.3979549824
## ratio_3ds_vol.ADC	0.56576772	0.721661478	0.6739389930
## ratio_3ds_vol_norm.ADC	0.51284877	0.914395553	0.9347083305
## irregularity.ADC	0.61259253	0.978753311	0.9682854970
## Compactness_v1.ADC	0.97944163	0.709854480	0.6614604711
##	ZSVAR.H.ADC	Entropy_area.H.ADC	Max_cooc.W.ADC
## Failure	-0.1123716055	-0.017771978	0.0572123709
## Entropy_cooc.W.ADC	0.2324546762	0.049762527	-0.0290245795
## GLNU_align.H.PET	0.1296374641	-0.029582498	0.0501971765
## Min_hist.PET	0.2745140048	0.538907348	0.1012627639
## Max_hist.PET	0.3362280292	0.560466639	0.1163734069
## Mean_hist.PET	0.2729177309	0.540436654	0.0979061689
## Variance_hist.PET	0.1430861128	0.270399951	0.0318484949
## Standard_Deviation_hist.PET	0.3083690513	0.548723610	0.1395785785
## Skewness_hist.PET	0.3899035146	0.539641367	0.2950274231
## Kurtosis_hist.PET	0.2898556577	0.164161613	0.1424000028
## Energy_hist.PET	0.3402911765	0.397658052	0.9819692322
## Entropy_hist.PET	0.4474275594	0.884600238	0.2750538444

## AUC_hist.PET	0.5282479451	0.990713191	0.4910142386
## H_suv.PET	0.3075689200	0.566837879	0.2399855000
## Volume.PET	0.2398796866	0.361796604	-0.1586030685
## X3D_surface.PET	0.2332076189	0.237736053	0.1035725071
## ratio_3ds_vol.PET	0.3295070709	0.541758319	0.6368473204
## ratio_3ds_vol_norm.PET	0.4736279742	0.568010524	0.6341570318
## irregularity.PET	0.4639918142	0.960007837	0.4567340602
## tumor_length.PET	0.4694609639	0.615316508	0.3189428413
## Compactness_v1.PET	0.3820359857	0.515223588	0.9154180432
## Compactness_v2.PET	0.0323638073	0.252412598	-0.2637360690
## Spherical_disproportion.PET	0.4736279742	0.568010524	0.6341570318
## Sphericity.PET	-0.0074080485	0.259873367	-0.4106824721
## Asphericity.PET	0.4661196233	0.545831252	0.6324785362
## Center_of_mass.PET	0.3122068981	0.384069211	0.1659326322
## Max_3D_diam.PET	0.2360348651	0.490819732	-0.1667329190
## Major_axis_length.PET	0.2821245860	0.527795327	-0.0297398451
## Minor_axis_length.PET	0.4280922131	0.683837047	0.1355463173
## Least_axis_length.PET	0.3731330602	0.586583086	0.0140475453
## Elongation.PET	0.4213972590	0.852139648	0.4869249709
## Flatness.PET	0.4247329147	0.795298893	0.3816771691
## Max_cooc.L.PET	0.3820705876	0.426138014	0.9928820377
## Average_cooc.L.PET	0.2894935785	0.798147392	0.3572669855
## Variance_cooc.L.PET	0.1963052255	0.625894805	0.3223454608
## Entropy_cooc.L.PET	0.4637407391	0.981072475	0.3711567363
## DAVE_cooc.L.PET	0.2523794464	0.740000682	0.3627219085
## DVAR_cooc.L.PET	0.2760973688	0.652188139	0.4002244766
## DENT_cooc.L.PET	0.4360213293	0.963734761	0.4113248699
## SAVE_cooc.L.PET	0.2891760315	0.798008430	0.3561850812
## SVAR_cooc.L.PET	0.2247673309	0.637366914	0.3056191905
## SENT_cooc.L.PET	0.4718751577	0.965961819	0.4942719277
## ASM_cooc.L.PET	0.3668376720	0.396759568	0.9982454337
## Contrast_cooc.L.PET	0.1245844109	0.523359336	0.3052358095
## Dissimilarity_cooc.L.PET	0.2523794464	0.740000682	0.3627219085
## Inv_diff_cooc.L.PET	0.5575273828	0.853383558	0.5301241731
## Inv_diff_norm_cooc.L.PET	0.5211829704	0.993173637	0.4485768167
## IDM_cooc.L.PET	0.5475580250	0.761134130	0.5843811545
## IDM_norm_cooc.L.PET	0.5128164232	0.996032317	0.4471306744
## Inv_var_cooc.L.PET	0.5553542754	0.766880909	0.5819938890
## Correlation_cooc.L.PET	0.4286583073	0.663348879	0.3044323838
## Autocorrelation_cooc.L.PET	0.1671734978	0.586665733	0.2995165927
## Tendency_cooc.L.PET	0.2247673309	0.637366914	0.3056191905
## Shade_cooc.L.PET	0.1640812658	0.320032928	0.1139977611
## Prominence_cooc.L.PET	0.1449464071	0.442269757	0.2426072735
## IC1_.L.PET	0.0122062773	-0.344478125	0.0522664404
## IC2_.L.PET	0.3808730584	0.879209442	0.5201843963
## Coarseness_vdif_.L.PET	0.3040767662	0.430817310	0.9205572016
## Contrast_vdif_.L.PET	0.0111047837	0.208589838	0.2174146368
## Busyness_vdif_.L.PET	0.2698740007	0.343445405	-0.0491485246
## Complexity_vdif_.L.PET	0.2778756172	0.697218004	0.4251754879
## Strength_vdif_.L.PET	0.1339616189	0.270885085	0.3001765219
## SRE_align.L.PET	0.4983555327	0.995267308	0.4549207429
## LRE_align.L.PET	0.5128966154	0.990762529	0.4350438459
## GLNU_align.L.PET	0.2548503924	0.285869363	-0.0380066411
## RLNU_align.L.PET	0.1861209230	0.259254219	-0.0928620073

## RP_align.L.PET	0.4962872536	0.994824894	0.4551888619
## LGRE_align.L.PET	0.5222374134	0.613523090	0.6573937640
## HGRE_align.L.PET	0.1683621634	0.607493071	0.3113106779
## LGSRE_align.L.PET	0.5245226786	0.617703999	0.6679897814
## HGSRE_align.L.PET	0.1672518169	0.605724042	0.3127439946
## LGHRE_align.L.PET	0.5101906920	0.593499464	0.6137608783
## HGLRE_align.L.PET	0.1725598698	0.612874323	0.3042557987
## GLNU_norm_align.L.PET	0.4981377102	0.648364341	0.8964209294
## RLNU_norm_align.L.PET	0.4892009989	0.992514993	0.4569418929
## GLVAR_align.L.PET	0.2108670559	0.654299295	0.3280282224
## RLVAR_align.L.PET	0.5039811763	0.621638677	0.8174012343
## Entropy_align.L.PET	0.4663452239	0.984197790	0.3854565025
## SZSE.L.PET	0.4954782434	0.972928819	0.4605431371
## LZSE.L.PET	0.3618402100	0.694012619	0.2688574698
## LGLZE.L.PET	0.5255173033	0.625004667	0.6701793865
## HGLZE.L.PET	0.1741457595	0.617419305	0.3136530522
## SZLGE.L.PET	0.5278391023	0.632488086	0.7020692275
## SZHGE.L.PET	0.1830976064	0.613032559	0.3209760575
## LZLGE.L.PET	0.4598029461	0.501956866	0.4732954980
## LZHGE.L.PET	0.1100561554	0.504138941	0.2219055361
## GLNU_area.L.PET	0.2488959039	0.287638308	-0.0449033307
## ZSNU.L.PET	0.1794554942	0.260743060	-0.1028981464
## ZSP.L.PET	0.4860133733	0.978377736	0.4584838558
## GLNU_norm.L.PET	0.4951890042	0.648457890	0.9002205900
## ZSNU_norm.L.PET	0.4762937330	0.978539190	0.4599081083
## GLVAR_area.L.PET	0.2156358302	0.665211511	0.3359046468
## ZSVAR.L.PET	0.3724355268	0.452876206	0.3273509636
## Entropy_area.L.PET	0.4773330750	0.986135253	0.3825812565
## Max_cooc.H.PET	0.1312313875	0.285573791	0.4091027845
## Average_cooc.H.PET	0.4644424400	0.968779358	0.4267052208
## Variance_cooc.H.PET	0.4313784473	0.861537580	0.3126515087
## Entropy_cooc.H.PET	0.3918096704	0.838938593	0.2682101509
## DAVE_cooc.H.PET	0.4056230593	0.878763872	0.3469945720
## DVAR_cooc.H.PET	0.3767201939	0.852241729	0.3580098045
## DENT_cooc.H.PET	0.4400679348	0.789551582	0.1969644573
## SAVE_cooc.H.PET	0.4877188158	0.978215789	0.4075326460
## SVAR_cooc.H.PET	0.4926559525	0.853737785	0.3201366801
## SENT_cooc.H.PET	0.4662318029	0.680835509	0.5897666300
## ASM_cooc.H.PET	0.1236839110	0.264096697	0.5014643862
## Contrast_cooc.H.PET	0.3286513428	0.781511454	0.3170370000
## Dissimilarity_cooc.H.PET	0.4056230593	0.878763872	0.3469945720
## Inv_diff_cooc.H.PET	0.3219093675	0.659144543	0.4636374933
## Inv_diff_norm_cooc.H.PET	0.5059114125	0.991805836	0.4620970225
## IDM_cooc.H.PET	0.2617537907	0.553177664	0.4377763369
## IDM_norm_cooc.H.PET	0.5067772916	0.995262898	0.4543323647
## Inv_var_cooc_.H.PET	0.4588003003	0.562172787	0.8856444734
## Correlation_cooc.H.PET	0.4473857769	0.671498744	0.3049673045
## Autocorrelation_cooc.H.PET	0.4276980310	0.908443856	0.4260577259
## Tendency_cooc.H.PET	0.4482689999	0.827724458	0.2821923264
## Shade_cooc.H.PET	-0.1782692971	-0.415872668	-0.1682190911
## Prominence_cooc.H.PET	0.3385705184	0.615823436	0.1676862476
## IC1_d.H.PET	0.0123079910	-0.131833472	0.3762216350
## IC2_d.H.PET	0.4717245380	0.782870120	0.3560108525
## Coarseness_vdif.H.PET	0.3497573385	0.388053674	0.9946219262

## Contrast_vdif.H.PET	0.0367564792	0.267582102	0.2690156942
## Busyness_vdif.H.PET	0.0519601156	0.156932591	-0.4024843813
## Complexity_vdif.H.PET	0.3601088493	0.635749172	0.6680269433
## Strength_vdif.H.PET	-0.0511742849	0.004564973	0.1183531316
## SRE_align.H.PET	0.5012253581	0.972001988	0.4295504268
## LRE_align.H.PET	0.2888277256	0.632006861	0.3176640257
## RLNU_align.H.PET	0.1844335619	0.257272885	-0.0812097063
## RP_align.H.PET	0.4942651662	0.959950810	0.4243219754
## LGRE_align.H.PET	0.3647813276	0.414558796	0.9932798109
## HGRE_align.H.PET	0.4242643139	0.913855383	0.4202213647
## LGSRE_align.H.PET	0.3637174872	0.412040576	0.9934904310
## HGSRE_align.H.PET	0.4635002293	0.961599424	0.4174229618
## LGHRE_align.H.PET	0.3701155498	0.428018301	0.9923959037
## HGLRE_align.H.PET	0.1675684381	0.429251436	0.2466239399
## GLNU_norm_align.H.PET	0.2116821341	0.490902580	0.4527394661
## RLNU_norm_align.H.PET	0.4740870123	0.910656006	0.3965599495
## GLVAR_align.H.PET	0.4218481001	0.829985954	0.2894232624
## RLVAR_align.H.PET	0.1256603276	0.277254328	0.2146469245
## Entropy_align.H.PET	0.4806400933	0.909886175	0.3072356838
## SZSE.H.PET	0.4870204748	0.862064438	0.3648321834
## LZSE.H.PET	-0.0086555411	-0.055250555	-0.0598419578
## LGLZE.H.PET	0.3643337284	0.415396452	0.9914521383
## HGLZE.H.PET	0.4537821565	0.872596868	0.3536602234
## SZLGE.H.PET	0.3623251926	0.408847677	0.9922998950
## SZHGE.H.PET	0.4691583071	0.838521181	0.3150369074
## LZLGE.H.PET	0.0685230242	0.002846585	0.0758387419
## LZHGE.H.PET	-0.0310693312	-0.051430428	-0.0166593585
## GLNU_area.H.PET	0.2287372127	0.299754411	-0.0971164251
## ZSNU.H.PET	0.1419843243	0.224291096	-0.0886415901
## ZSP.H.PET	0.3811357210	0.679705433	0.2530719612
## GLNU_norm.H.PET	0.2007726175	0.502490287	0.4588819674
## ZSNU_norm.H.PET	0.4202060073	0.731488019	0.2973481907
## GLVAR_area.H.PET	0.4094784594	0.810073684	0.2769858508
## ZSVAR.H.PET	0.0004621029	-0.053870380	-0.0358250039
## Entropy_area.H.PET	0.5039742093	0.955100266	0.3493991235
## Max_cooc.W.PET	0.1853862856	0.312287150	0.6343619848
## Average_cooc.W.PET	0.2721473842	0.537484232	0.1124338012
## Variance_cooc.W.PET	0.1456781351	0.269316988	0.0410334447
## Entropy_cooc.W.PET	0.4535897895	0.867548246	0.2775812605
## DAVE_cooc.W.PET	0.2736375840	0.559356472	0.1451808762
## DVAR_cooc.W.PET	0.1252005416	0.300612912	0.0383100151
## DENT_cooc.W.PET	0.4464029755	0.849823276	0.2914043162
## SAVE_cooc.W.PET	0.2714777669	0.536819566	0.1104079720
## SVAR_cooc.W.PET	0.1523214011	0.244818837	0.0405820465
## SENT_cooc.W.PET	0.4997217991	0.899182717	0.4035441520
## ASM_cooc.W.PET	0.2442403223	0.340725097	0.8106334258
## Contrast_cooc.W.PET	0.1148252682	0.308927905	0.0372912508
## Dissimilarity_cooc.W.PET	0.2736375840	0.559356472	0.1451808762
## Inv_diff_cooc.W.PET	0.3593324430	0.739825855	0.4804752977
## Inv_diff_norm_cooc.W.PET	0.5201713380	0.993169762	0.4506014227
## IDM_cooc.W.PET	0.2837501174	0.603761173	0.4494716582
## IDM_norm_cooc.W.PET	0.5127147577	0.996048307	0.4480893210
## Inv_var_cooc.W.PET	0.3310813218	0.674920293	0.4825394306
## Correlation_cooc.W.PET	0.4323170516	0.663193337	0.3022843502

## Autocorrelation_cooc.W.PET	0.1245705081	0.268896166	0.0012981850
## Tendency_cooc.W.PET	0.1523214011	0.244818837	0.0405820465
## Shade_cooc.W.PET	0.0511784044	0.046513519	0.0428822343
## Prominence_cooc.W.PET	0.0075785836	0.013722089	0.0152903524
## IC1_d.W.PET	0.0157068086	-0.151259490	0.4416622588
## IC2_d.W.PET	0.4702138524	0.843109107	0.4138694683
## Coarseness_vdif.W.PET	0.2505538960	0.399777391	0.8476969643
## Contrast_vdif.W.PET	0.2120236438	0.475198336	0.2721232070
## Busyness_vdif.W.PET	0.0531195442	0.243264159	-0.0797646271
## Complexity_vdif.W.PET	0.1059267779	0.177341961	0.0248253234
## Strength_vdif.W.PET	0.2784293150	0.250009627	0.1878644277
## SRE_align.W.PET	0.5059178311	0.991024572	0.4436251497
## LRE_align.W.PET	0.4082613657	0.861130491	0.4102169676
## GLNU_align.W.PET	0.2307744431	0.294104004	-0.0912025498
## RLNU_align.W.PET	0.1881080244	0.258618079	-0.0824490782
## RP_align.W.PET	0.5041508627	0.986863017	0.4404093463
## LGRE_align.W.PET	0.2551436404	0.477518747	0.4315647406
## HGRE_align.W.PET	0.1185537661	0.271722298	-0.0062993452
## LGSRE_align.W.PET	0.2832735532	0.513340769	0.4617409394
## HGSRE_align.W.PET	0.1151798846	0.267245079	-0.0077059651
## LGHRE_align.W.PET	0.1421888075	0.316934601	0.2967081512
## HGLRE_align.W.PET	0.1317918627	0.289420390	-0.0007902942
## GLNU_norm_align.W.PET	0.2369205498	0.486624123	0.5537013202
## RLNU_norm_align.W.PET	0.4991668259	0.968789723	0.4264323362
## GLVAR_align.W.PET	0.1434657145	0.270375549	0.0296658907
## RLVAR_align.W.PET	0.1700125921	0.344656185	0.3565833105
## Entropy_align.W.PET	0.4759549848	0.911845033	0.3078393412
## SZSE.W.PET	0.5068807934	0.943858799	0.4230297037
## LZSE.W.PET	0.0169579713	0.119570857	0.1057955824
## LGLZE.W.PET	0.2640705357	0.502414738	0.4557119745
## HGLZE.W.PET	0.1220082588	0.275192371	-0.0047884115
## SZLGE.W.PET	0.3282869567	0.576732566	0.5390155225
## SZHGE.W.PET	0.1136819718	0.262620334	-0.0079322972
## LZLGE.W.PET	-0.0429435065	-0.008102526	0.0247893620
## LZHGE.W.PET	0.1499710523	0.308968177	0.0447609291
## GLNU_area.W.PET	0.2372055644	0.304706904	-0.0931524512
## ZSNU.W.PET	0.1697717997	0.245136553	-0.0831994273
## ZSP.W.PET	0.4742672971	0.876102760	0.3642575386
## GLNU_norm.W.PET	0.2419803757	0.505847122	0.5713684847
## ZSNU_norm.W.PET	0.4695504890	0.871051720	0.3692913891
## GLVAR_area.W.PET	0.1452405669	0.274147697	0.0348840125
## ZSVAR.W.PET	-0.0076718458	0.033452650	0.0697147605
## Entropy_area.W.PET	0.4936555256	0.948003115	0.3351988013
## Min_hist.ADC	-0.0901156706	0.302051290	0.2131842157
## Max_hist.ADC	0.6322136941	0.897807686	0.3410899752
## Mean_hist.ADC	0.4173879742	0.866091126	0.3536291069
## Variance_hist.ADC	0.4807489838	0.468779930	0.2518677712
## Standard_Deviation_hist.ADC	0.5413172594	0.740035094	0.3357442813
## Skewness_hist.ADC	0.2074697529	0.222305623	0.1296343745
## Kurtosis_hist.ADC	0.3387691427	0.278477098	0.1158816080
## Energy_hist.ADC	0.3212667131	0.404364859	0.9965168025
## Entropy_hist.ADC	0.5989320276	0.966659828	0.3642766840
## AUC_hist.ADC	0.5477090091	0.975297919	0.4566446998
## Volume.ADC	0.2380914396	0.350481895	-0.1652964328

## X3D_surface.ADC	0.6230179525	0.470030899	0.0765153636
## ratio_3ds_vol.ADC	0.0099389664	0.602977571	0.4879646726
## ratio_3ds_vol_norm.ADC	0.5294804378	0.948063859	0.3510683433
## irregularity.ADC	0.3553469042	0.942078131	0.4622212334
## Compactness_v1.ADC	0.4198937823	0.651162739	0.9381241388
##	Average_cooc.W.ADC	Variance_cooc.W.ADC	
## Failure	-0.196931904	-0.096386571	
## Entropy_cooc.W.ADC	0.200896643	0.280327446	
## GLNU_align.H.PET	0.081160446	0.151193451	
## Min_hist.PET	0.350423084	0.180922466	
## Max_hist.PET	0.389719502	0.237997284	
## Mean_hist.PET	0.341066724	0.173995974	
## Variance_hist.PET	0.131141521	0.085701362	
## Standard_Deviation_hist.PET	0.365276968	0.184772893	
## Skewness_hist.PET	0.502521841	0.404139331	
## Kurtosis_hist.PET	0.234259861	0.328002901	
## Energy_hist.PET	0.215890498	0.229437781	
## Entropy_hist.PET	0.708900702	0.545283897	
## AUC_hist.PET	0.698967146	0.449011849	
## H_suv.PET	0.386553991	0.198362377	
## Volume.PET	0.252707555	0.266188377	
## X3D_surface.PET	0.255435179	0.297787590	
## ratio_3ds_vol.PET	0.350503613	0.184047212	
## ratio_3ds_vol_norm.PET	0.426104559	0.316192723	
## irregularity.PET	0.661442716	0.404698243	
## tumor_length.PET	0.509210152	0.429671022	
## Compactness_v1.PET	0.289801806	0.299752000	
## Compactness_v2.PET	0.126981886	0.070120887	
## Spherical_disproportion.PET	0.426104559	0.316192723	
## Sphericity.PET	0.159171488	0.077954552	
## Asphericity.PET	0.411000094	0.308045062	
## Center_of_mass.PET	0.334366821	0.336921134	
## Max_3D_diam.PET	0.369463220	0.287903321	
## Major_axis_length.PET	0.372790751	0.341741175	
## Minor_axis_length.PET	0.555740239	0.399821513	
## Least_axis_length.PET	0.474457501	0.335469871	
## Elongation.PET	0.640730968	0.317012340	
## Flatness.PET	0.585610442	0.271595205	
## Max_cooc.L.PET	0.244720473	0.272906803	
## Average_cooc.L.PET	0.452176260	0.204712951	
## Variance_cooc.L.PET	0.332134022	0.102006053	
## Entropy_cooc.L.PET	0.679808938	0.396142434	
## DAVE_cooc.L.PET	0.454683602	0.187996917	
## DVAR_cooc.L.PET	0.396731491	0.147845815	
## DENT_cooc.L.PET	0.651281309	0.363218268	
## SAVE_cooc.L.PET	0.452100267	0.204491835	
## SVAR_cooc.L.PET	0.321620646	0.108390144	
## SENT_cooc.L.PET	0.657101787	0.375415236	
## ASM_cooc.L.PET	0.228106987	0.259646369	
## Contrast_cooc.L.PET	0.304084910	0.078067542	
## Dissimilarity_cooc.L.PET	0.454683602	0.187996917	
## Inv_diff_cooc.L.PET	0.649551126	0.494263030	
## Inv_diff_norm_cooc.L.PET	0.705664787	0.451407728	
## IDM_cooc.L.PET	0.593550856	0.485843937	

## IDM_norm_cooc.L.PET	0.701969155	0.441931363
## Inv_var_cooc.L.PET	0.600515114	0.493417956
## Correlation_cooc.L.PET	0.456243934	0.333210885
## Autocorrelation_cooc.L.PET	0.262770168	0.081168750
## Tendency_cooc.L.PET	0.321620646	0.108390144
## Shade_cooc.L.PET	0.200653708	0.098435703
## Prominence_cooc.L.PET	0.181139193	0.028271809
## IC1_.L.PET	-0.134503062	0.025116931
## IC2_.L.PET	0.558395039	0.318838081
## Coarseness_vdif_.L.PET	0.200534863	0.193583505
## Contrast_vdif_.L.PET	0.127431249	-0.007027888
## Busyness_vdif_.L.PET	0.346703023	0.325979286
## Complexity_vdif_.L.PET	0.472044670	0.212561412
## Strength_vdif_.L.PET	0.110339446	0.021418649
## SRE_align.L.PET	0.692442861	0.425947805
## LRE_align.L.PET	0.708525456	0.443686894
## GLNU_align.L.PET	0.277585675	0.276809068
## RLNU_align.L.PET	0.243438961	0.238601219
## RP_align.L.PET	0.691570569	0.424012512
## LGRE_align.L.PET	0.494001880	0.403242542
## HGRE_align.L.PET	0.287058093	0.088947613
## LGSRE_align.L.PET	0.494519629	0.402948118
## HGSRE_align.L.PET	0.285148132	0.087651533
## LGHRE_align.L.PET	0.488513109	0.401538260
## HGLRE_align.L.PET	0.294730361	0.094117363
## GLNU_norm_align.L.PET	0.452449095	0.404110937
## RLNU_norm_align.L.PET	0.687337014	0.416970164
## GLVAR_align.L.PET	0.349564221	0.113491459
## RLVAR_align.L.PET	0.449979898	0.406274348
## Entropy_align.L.PET	0.674779444	0.393655950
## SZSE.L.PET	0.659210501	0.419973287
## LZSE.L.PET	0.564091981	0.318281708
## LGLZE.L.PET	0.500964920	0.403516441
## HGLZE.L.PET	0.295745808	0.090145969
## SZLGE.L.PET	0.492000869	0.398760056
## SZHGE.L.PET	0.286127007	0.095100154
## LZLGE.L.PET	0.460019203	0.387528259
## LZHGE.L.PET	0.272198259	0.054045171
## GLNU_area.L.PET	0.275078671	0.279389358
## ZSNU.L.PET	0.238477161	0.239095023
## ZSP.L.PET	0.662351561	0.414366517
## GLNU_norm.L.PET	0.452497495	0.404365778
## ZSNU_norm.L.PET	0.664096519	0.403987460
## GLVAR_area.L.PET	0.356513007	0.115953722
## ZSVAR.L.PET	0.422118888	0.306687780
## Entropy_area.L.PET	0.683565685	0.401528588
## Max_cooc.H.PET	0.114147884	0.216949261
## Average_cooc.H.PET	0.666702307	0.433919655
## Variance_cooc.H.PET	0.598545675	0.293517846
## Entropy_cooc.H.PET	0.531182371	0.238449428
## DAVE_cooc.H.PET	0.627375496	0.316427224
## DVAR_cooc.H.PET	0.565406994	0.318277583
## DENT_cooc.H.PET	0.704139408	0.456025187
## SAVE_cooc.H.PET	0.702104369	0.463266539

## SVAR_cooc.H.PET	0.651124344	0.431999860
## SENT_cooc.H.PET	0.505947349	0.255248953
## ASM_cooc.H.PET	0.078139310	0.207323526
## Contrast_cooc.H.PET	0.541657581	0.260065370
## Dissimilarity_cooc.H.PET	0.627375496	0.316427224
## Inv_diff_cooc.H.PET	0.411547416	0.378118763
## Inv_diff_norm_cooc.H.PET	0.690052683	0.440528745
## IDM_cooc.H.PET	0.332887742	0.340714228
## IDM_norm_cooc.H.PET	0.696133991	0.436023475
## Inv_var_cooc_.H.PET	0.372000805	0.318758310
## Correlation_cooc.H.PET	0.457031130	0.304531379
## Autocorrelation_cooc.H.PET	0.608718507	0.422816803
## Tendency_cooc.H.PET	0.575759314	0.285322662
## Shade_cooc.H.PET	-0.290184674	-0.076708916
## Prominence_cooc.H.PET	0.433116483	0.176058800
## IC1_d.H.PET	-0.108208113	-0.049206104
## IC2_d.H.PET	0.548757228	0.351891815
## Coarseness_vdif.H.PET	0.211916771	0.235117633
## Contrast_vdif.H.PET	0.051948379	0.125583847
## Busyness_vdif.H.PET	0.178238287	0.112362121
## Complexity_vdif.H.PET	0.457684534	0.249056506
## Strength_vdif.H.PET	-0.082701249	-0.065994511
## SRE_align.H.PET	0.690477738	0.393072860
## LRE_align.H.PET	0.429381717	0.402999062
## RLNU_align.H.PET	0.218209338	0.233702044
## RP_align.H.PET	0.679885301	0.380789445
## LGRE_align.H.PET	0.224601102	0.251655291
## HGRE_align.H.PET	0.610904231	0.426359607
## LGSRE_align.H.PET	0.222810896	0.250775423
## HGSRE_align.H.PET	0.665466991	0.417060695
## LGHRE_align.H.PET	0.235203350	0.258156249
## HGLRE_align.H.PET	0.259041964	0.299316261
## GLNU_norm_align.H.PET	0.276410140	0.306740098
## RLNU_norm_align.H.PET	0.651913881	0.344853186
## GLVAR_align.H.PET	0.584577902	0.287987957
## RLVAR_align.H.PET	0.190519556	0.270121064
## Entropy_align.H.PET	0.648044126	0.372334723
## SZSE.H.PET	0.631643605	0.353363548
## LZSE.H.PET	-0.003177673	0.110319007
## LGLZE.H.PET	0.223331238	0.250229468
## HGLZE.H.PET	0.699101151	0.527065776
## SZLGE.H.PET	0.218394162	0.249306500
## SZHGE.H.PET	0.646112135	0.390631249
## LZLGE.H.PET	0.024771036	0.135757396
## LZHGE.H.PET	-0.031713839	0.090838576
## GLNU_area.H.PET	0.295684181	0.259646388
## ZSNU.H.PET	0.149879597	0.211556755
## ZSP.H.PET	0.489228513	0.239665792
## GLNU_norm.H.PET	0.260862781	0.273664733
## ZSNU_norm.H.PET	0.538797000	0.270841841
## GLVAR_area.H.PET	0.584227923	0.302925532
## ZSVAR_H.PET	-0.014514866	0.107347958
## Entropy_area.H.PET	0.693763979	0.424416077
## Max_cooc.W.PET	0.119326400	0.203917843

## Average_cooc.W.PET	0.325918025	0.162301074
## Variance_cooc.W.PET	0.135297670	0.081852052
## Entropy_cooc.W.PET	0.624686358	0.329558650
## DAVE_cooc.W.PET	0.373472722	0.161233999
## DVAR_cooc.W.PET	0.160934832	0.079196158
## DENT_cooc.W.PET	0.614377917	0.316042996
## SAVE_cooc.W.PET	0.325550700	0.161826678
## SVAR_cooc.W.PET	0.119551915	0.084720827
## SENT_cooc.W.PET	0.651472569	0.352230167
## ASM_cooc.W.PET	0.137355213	0.234635197
## Contrast_cooc.W.PET	0.164172357	0.066717140
## Dissimilarity_cooc.W.PET	0.373472722	0.161233999
## Inv_diff_cooc.W.PET	0.485818943	0.397280125
## Inv_diff_norm_cooc.W.PET	0.704836282	0.451190874
## IDM_cooc.W.PET	0.376097909	0.354023553
## IDM_norm_cooc.W.PET	0.702251907	0.441750636
## Inv_var_cooc.W.PET	0.441339379	0.381970647
## Correlation_cooc.W.PET	0.457564657	0.332787708
## Autocorrelation_cooc.W.PET	0.098340200	0.075290667
## Tendency_cooc.W.PET	0.119551915	0.084720827
## Shade_cooc.W.PET	0.026780406	0.042116495
## Prominence_cooc.W.PET	-0.015727650	0.028506363
## IC1_d.W.PET	-0.122471515	-0.020481954
## IC2_d.W.PET	0.588040518	0.360813491
## Coarseness_vdif.W.PET	0.168799163	0.155388052
## Contrast_vdif.W.PET	0.278231881	0.073782882
## Busyness_vdif.W.PET	0.181394347	0.239160221
## Complexity_vdif.W.PET	0.077380898	0.101502738
## Strength_vdif.W.PET	0.179627572	0.086440105
## SRE_align.W.PET	0.698885731	0.415723626
## LRE_align.W.PET	0.585885866	0.432190525
## GLNU_align.W.PET	0.336072953	0.292200846
## RLNU_align.W.PET	0.230517290	0.236047962
## RP_align.W.PET	0.696346947	0.408982335
## LGRE_align.W.PET	0.310866813	0.322086080
## HGRE_align.W.PET	0.105023862	0.076456447
## LGSRE_align.W.PET	0.344601179	0.334814658
## HGSRE_align.W.PET	0.101161774	0.074187154
## LGHRE_align.W.PET	0.177268537	0.264979107
## HGLRE_align.W.PET	0.121445481	0.085515766
## GLNU_norm_align.W.PET	0.267366450	0.303662363
## RLNU_norm_align.W.PET	0.689843486	0.390261469
## GLVAR_align.W.PET	0.132036665	0.086031997
## RLVAR_align.W.PET	0.208505247	0.285239775
## Entropy_align.W.PET	0.650966792	0.366675080
## SZSE.W.PET	0.668886239	0.396162203
## LZSE.W.PET	0.046253529	0.118755654
## LGLZE.W.PET	0.326884005	0.330269085
## HGLZE.W.PET	0.109189946	0.076440213
## SZLGE.W.PET	0.400165025	0.361799727
## SZHGE.W.PET	0.096955403	0.071522130
## LZLGE.W.PET	-0.039878226	0.090305580
## LZHGE.W.PET	0.180115438	0.063513697
## GLNU_area.W.PET	0.326494595	0.285056524

## ZSNU.W.PET	0.194485915	0.227935164
## ZSP.W.PET	0.634587060	0.354981953
## GLNU_norm.W.PET	0.268918092	0.302783214
## ZSNU_norm.W.PET	0.638373976	0.342213985
## GLVAR_area.W.PET	0.138274043	0.087204330
## ZSVAR.W.PET	-0.003857144	0.092722959
## Entropy_area.W.PET	0.679323716	0.401953358
## Min_hist.ADC	-0.182757934	-0.287069848
## Max_hist.ADC	0.795047460	0.668866783
## Mean_hist.ADC	0.721406781	0.383189083
## Variance_hist.ADC	0.611677290	0.995853811
## Standard_Deviation_hist.ADC	0.749183141	0.920321704
## Skewness_hist.ADC	-0.220738557	-0.031417979
## Kurtosis_hist.ADC	0.239963559	-0.179722941
## Energy_hist.ADC	0.196898351	0.221801096
## Entropy_hist.ADC	0.775467992	0.546615855
## AUC_hist.ADC	0.649135305	0.427398819
## Volume.ADC	0.258869254	0.262364624
## X3D_surface.ADC	0.515097979	0.559520342
## ratio_3ds_vol.ADC	0.237497926	0.072443089
## ratio_3ds_vol_norm.ADC	0.712123606	0.469834932
## irregularity.ADC	0.585966095	0.340415723
## Compactness_v1.ADC	0.386813628	0.310874094
##	DAVE_cooc.W.ADC	DVAR_cooc.W.ADC
## Failure	-0.06138802	-0.073172041
## Entropy_cooc.W.ADC	0.18929496	0.284400418
## GLNU_align.H.PET	0.04122421	0.107282032
## Min_hist.PET	0.39804517	0.210836158
## Max_hist.PET	0.42043248	0.258172626
## Mean_hist.PET	0.39169092	0.211545560
## Variance_hist.PET	0.20170774	0.132839408
## Standard_Deviation_hist.PET	0.38967165	0.228840373
## Skewness_hist.PET	0.47972068	0.368240150
## Kurtosis_hist.PET	0.20538508	0.233919346
## Energy_hist.PET	0.38466567	0.292099517
## Entropy_hist.PET	0.76041313	0.533487388
## AUC_hist.PET	0.76997456	0.468550064
## H_suv.PET	0.40928170	0.249437621
## Volume.PET	0.25259173	0.172138603
## X3D_surface.PET	0.26689110	0.270016542
## ratio_3ds_vol.PET	0.43450100	0.277707033
## ratio_3ds_vol_norm.PET	0.47691786	0.378202637
## irregularity.PET	0.74769045	0.444466694
## tumor_length.PET	0.52527830	0.424438633
## Compactness_v1.PET	0.45880190	0.330165806
## Compactness_v2.PET	0.14254625	0.021354771
## Spherical_disproportion.PET	0.47691786	0.378202637
## Sphericity.PET	0.14495034	0.009979004
## Asphericity.PET	0.46074979	0.370413407
## Center_of_mass.PET	0.36370999	0.331389874
## Max_3D_diam.PET	0.37619882	0.236866187
## Major_axis_length.PET	0.44131942	0.313014730
## Minor_axis_length.PET	0.52113359	0.355275224
## Least_axis_length.PET	0.43213235	0.277044318

## Elongation.PET	0.62665648	0.340870959	0.831667521
## Flatness.PET	0.55351819	0.260656338	0.761186466
## Max_cooc.L.PET	0.40914853	0.323803797	0.444170634
## Average_cooc.L.PET	0.56425095	0.270591620	0.779065977
## Variance_cooc.L.PET	0.42007371	0.167955557	0.612065926
## Entropy_cooc.L.PET	0.73059497	0.423826155	0.958858758
## DAVE_cooc.L.PET	0.53205694	0.252296479	0.729190636
## DVAR_cooc.L.PET	0.44236743	0.200775824	0.632468665
## DENT_cooc.L.PET	0.72070191	0.404298654	0.946624275
## SAVE_cooc.L.PET	0.56402609	0.270330357	0.778896523
## SVAR_cooc.L.PET	0.41453703	0.166498598	0.617557108
## SENT_cooc.L.PET	0.72980483	0.424250855	0.950867234
## ASM_cooc.L.PET	0.38592658	0.311870447	0.415144540
## Contrast_cooc.L.PET	0.37224149	0.147581210	0.520883776
## Dissimilarity_cooc.L.PET	0.53205694	0.252296479	0.729190636
## Inv_diff_cooc.L.PET	0.70861010	0.486372945	0.846207258
## Inv_diff_norm_cooc.L.PET	0.77018551	0.469829846	0.977434788
## IDM_cooc.L.PET	0.65565938	0.472237224	0.759067705
## IDM_norm_cooc.L.PET	0.76834309	0.463575784	0.979888593
## Inv_var_cooc.L.PET	0.65789202	0.480746382	0.764017468
## Correlation_cooc.L.PET	0.50654211	0.330368094	0.644772681
## Autocorrelation_cooc.L.PET	0.38811133	0.149393529	0.569303838
## Tendency_cooc.L.PET	0.41453703	0.166498598	0.617557108
## Shade_cooc.L.PET	0.20367874	0.121244385	0.311847087
## Prominence_cooc.L.PET	0.26069390	0.082219379	0.425934396
## IC1_.L.PET	-0.24813020	-0.045853395	-0.348065638
## IC2_.L.PET	0.69393455	0.396447790	0.877582348
## Coarseness_vdif_.L.PET	0.39548546	0.270233166	0.450572267
## Contrast_vdif_.L.PET	0.17958930	0.040085935	0.224441964
## Busyness_vdif_.L.PET	0.28382634	0.240632074	0.326812063
## Complexity_vdif_.L.PET	0.53359829	0.281527488	0.695306304
## Strength_vdif_.L.PET	0.21686725	0.070568002	0.282543618
## SRE_align.L.PET	0.76346103	0.453406601	0.979427134
## LRE_align.L.PET	0.76768872	0.463277183	0.974992034
## GLNU_align.L.PET	0.24275921	0.213540550	0.268277036
## RLNU_align.L.PET	0.22665166	0.195567473	0.246338220
## RP_align.L.PET	0.76279826	0.452296597	0.979091682
## LGRE_align.L.PET	0.54198157	0.396841538	0.620514894
## HGRE_align.L.PET	0.40870307	0.161891077	0.591917122
## LGSRE_align.L.PET	0.54497548	0.398396584	0.624697462
## HGSRE_align.L.PET	0.40713756	0.160751009	0.590286022
## LGHRE_align.L.PET	0.52692536	0.388049202	0.600429761
## HGLRE_align.L.PET	0.41414055	0.166590267	0.596872411
## GLNU_norm_align.L.PET	0.58101589	0.426185888	0.660900973
## RLNU_norm_align.L.PET	0.75961677	0.448134411	0.977068479
## GLVAR_align.L.PET	0.43940279	0.180420225	0.637980917
## RLVAR_align.L.PET	0.55647876	0.419891634	0.626712369
## Entropy_align.L.PET	0.73630238	0.425520386	0.962954776
## SZSE.L.PET	0.74305335	0.442047266	0.956619844
## LZSE.L.PET	0.55665703	0.343393307	0.686672924
## LGLZE.L.PET	0.54777714	0.396948841	0.630782502
## HGLZE.L.PET	0.41286834	0.163187438	0.601022763
## SZLGE.L.PET	0.55019166	0.394651611	0.637608558
## SZHGE.L.PET	0.40646634	0.162124210	0.595927128

## LZLGE.L.PET	0.46890416	0.366418388	0.512424013
## LZHGE.L.PET	0.35179175	0.136645459	0.494146077
## GLNU_area.L.PET	0.24540944	0.215223471	0.270621527
## ZSNU.L.PET	0.22643124	0.192992828	0.247953703
## ZSP.L.PET	0.74670878	0.440037141	0.962875151
## GLNU_norm.L.PET	0.58182275	0.426923873	0.661253485
## ZSNU_norm.L.PET	0.74852337	0.436110105	0.965075126
## GLVAR_area.L.PET	0.44590480	0.184028675	0.648404439
## ZSVAR.L.PET	0.40501246	0.307980657	0.451455353
## Entropy_area.L.PET	0.73784625	0.430567381	0.963829465
## Max_cooc.H.PET	0.28661030	0.219258934	0.300639321
## Average_cooc.H.PET	0.75522978	0.451970799	0.957098228
## Variance_cooc.H.PET	0.62027181	0.336924723	0.835618624
## Entropy_cooc.H.PET	0.54990076	0.263647530	0.797682074
## DAVE_cooc.H.PET	0.64868796	0.357184872	0.860544449
## DVAR_cooc.H.PET	0.63726677	0.362875652	0.836196015
## DENT_cooc.H.PET	0.67850383	0.443503777	0.798687915
## SAVE_cooc.H.PET	0.77642704	0.474714039	0.970315411
## SVAR_cooc.H.PET	0.69525605	0.438516735	0.848479490
## SENT_cooc.H.PET	0.51739686	0.339461375	0.669625242
## ASM_cooc.H.PET	0.27552281	0.216046419	0.282646286
## Contrast_cooc.H.PET	0.57301280	0.306823391	0.765992118
## Dissimilarity_cooc.H.PET	0.64868796	0.357184872	0.860544449
## Inv_diff_cooc.H.PET	0.56492401	0.378448328	0.663896620
## Inv_diff_norm_cooc.H.PET	0.76785986	0.463230987	0.977003923
## IDM_cooc.H.PET	0.49015391	0.336852347	0.561779047
## IDM_norm_cooc.H.PET	0.76712574	0.459730761	0.979633401
## Inv_var_cooc.H.PET	0.49624983	0.384738960	0.573399252
## Correlation_cooc.H.PET	0.49977155	0.306240473	0.648295914
## Autocorrelation_cooc.H.PET	0.71914504	0.435745183	0.900721492
## Tendency_cooc.H.PET	0.59031836	0.323032283	0.798501033
## Shade_cooc.H.PET	-0.29405221	-0.119872947	-0.399936179
## Prominence_cooc.H.PET	0.42156221	0.215074472	0.587359236
## IC1_d.H.PET	-0.09096609	-0.022237849	-0.123016287
## IC2_d.H.PET	0.60411351	0.374076875	0.766709217
## Coarseness_vdif.H.PET	0.37309229	0.293858980	0.406554500
## Contrast_vdif.H.PET	0.26942743	0.183516686	0.283972194
## Busyness_vdif.H.PET	0.05735951	0.001760160	0.131913835
## Complexity_vdif.H.PET	0.52267278	0.346111832	0.642423162
## Strength_vdif.H.PET	-0.01981205	-0.058776860	0.006476337
## SRE_align.H.PET	0.73235107	0.426215262	0.953186853
## LRE_align.H.PET	0.56116442	0.395569626	0.639444644
## RLNU_align.H.PET	0.22613297	0.199758862	0.244589008
## RP_align.H.PET	0.72108462	0.416341365	0.941190664
## LGRE_align.H.PET	0.39090083	0.309389831	0.430190649
## HGRE_align.H.PET	0.72429843	0.438122342	0.906864073
## LGSRE_align.H.PET	0.38915825	0.308519977	0.427806248
## HGSRE_align.H.PET	0.74460532	0.437266997	0.950431753
## LGHRE_align.H.PET	0.40138877	0.315491500	0.443211508
## HGLRE_align.H.PET	0.39678348	0.291078588	0.437881725
## GLNU_norm_align.H.PET	0.44589220	0.305675618	0.504914795
## RLNU_norm_align.H.PET	0.67634145	0.385622273	0.891256109
## GLVAR_align.H.PET	0.60122587	0.331716642	0.805564564
## RLVAR_align.H.PET	0.29585513	0.249966367	0.290685720

## Entropy_align.H.PET	0.67594930	0.400604617	0.885430720
## SZSE.H.PET	0.64327251	0.385236359	0.842737642
## LZSE.H.PET	0.03585729	0.074189850	-0.035041501
## LGLZE.H.PET	0.39028139	0.308299305	0.430587742
## HGLZE.H.PET	0.74948236	0.512327833	0.882558903
## SZLGE.H.PET	0.38599615	0.306715316	0.424373449
## SZHGE.H.PET	0.65367332	0.398745998	0.829989081
## LZLGE.H.PET	0.08649533	0.114655690	0.021133362
## LZHGE.H.PET	0.02573880	0.071853347	-0.037425812
## GLNU_area.H.PET	0.23357984	0.189314973	0.278731885
## ZSNU.H.PET	0.20926918	0.188754592	0.216164092
## ZSP.H.PET	0.48410789	0.270702906	0.660320409
## GLNU_norm.H.PET	0.43263812	0.286597057	0.508664455
## ZSNU_norm.H.PET	0.53619544	0.309251373	0.713772348
## GLVAR_area.H.PET	0.60439215	0.344727152	0.791666209
## ZSVAR_H.PET	0.03445187	0.081379431	-0.037335458
## Entropy_area.H.PET	0.72571482	0.439812685	0.933918299
## Max_cooc.W.PET	0.30129093	0.226016407	0.327056615
## Average_cooc.W.PET	0.37620047	0.209932056	0.516308173
## Variance_cooc.W.PET	0.19704580	0.125330425	0.261143842
## Entropy_cooc.W.PET	0.63166101	0.362411262	0.842012366
## DAVE_cooc.W.PET	0.38905531	0.208221108	0.539680122
## DVAR_cooc.W.PET	0.22113839	0.128948976	0.293813031
## DENT_cooc.W.PET	0.61791424	0.352396918	0.825888954
## SAVE_cooc.W.PET	0.37551864	0.209355693	0.515601191
## SVAR_cooc.W.PET	0.18140537	0.124165096	0.236977992
## SENT_cooc.W.PET	0.66768687	0.397172914	0.878180528
## ASM_cooc.W.PET	0.33989893	0.268811917	0.360504853
## Contrast_cooc.W.PET	0.21992999	0.116806027	0.300591494
## Dissimilarity_cooc.W.PET	0.38905531	0.208221108	0.539680122
## Inv_diff_cooc.W.PET	0.62035808	0.399819879	0.742265325
## Inv_diff_norm_cooc.W.PET	0.77088473	0.470264051	0.977728338
## IDM_cooc.W.PET	0.52706768	0.351488843	0.611480872
## IDM_norm_cooc.W.PET	0.76881080	0.463838138	0.980088469
## Inv_var_cooc.W.PET	0.58032862	0.385287460	0.681550041
## Correlation_cooc.W.PET	0.50494391	0.328543247	0.644198357
## Autocorrelation_cooc.W.PET	0.19780870	0.127440757	0.260204777
## Tendency_cooc.W.PET	0.18140537	0.124165096	0.236977992
## Shade_cooc.W.PET	0.05396407	0.061533722	0.050931032
## Prominence_cooc.W.PET	0.03829801	0.057253748	0.022283227
## IC1_d.W.PET	-0.09306604	-0.009493774	-0.140769220
## IC2_d.W.PET	0.65767591	0.403388009	0.831297294
## Coarseness_vdif.W.PET	0.37071439	0.233502290	0.421851200
## Contrast_vdif.W.PET	0.31465748	0.132020157	0.460974374
## Busyness_vdif.W.PET	0.20710758	0.160526128	0.238180719
## Complexity_vdif.W.PET	0.16437297	0.137147841	0.178751418
## Strength_vdif.W.PET	0.18070384	0.099614410	0.246065453
## SRE_align.W.PET	0.75452043	0.445288950	0.973566565
## LRE_align.W.PET	0.69681715	0.440456825	0.855239592
## GLNU_align.W.PET	0.25020154	0.205739884	0.280081898
## RLNU_align.W.PET	0.22614951	0.198082465	0.245459762
## RP_align.W.PET	0.74922696	0.439919762	0.969147641
## LGRE_align.W.PET	0.44153901	0.311920091	0.491935762
## HGRE_align.W.PET	0.20274244	0.130286921	0.263932047

## LGSRE_align.W.PET	0.46847064	0.328247587	0.527134792
## HGSRE_align.W.PET	0.19957058	0.128207547	0.259766753
## LGHRE_align.W.PET	0.32050605	0.241296851	0.333706318
## HGLRE_align.W.PET	0.21560578	0.138955283	0.280424596
## GLNU_norm_align.W.PET	0.44569881	0.310538167	0.502255039
## RLNU_norm_align.W.PET	0.72973895	0.425425644	0.950114404
## GLVAR_align.W.PET	0.20188330	0.133280024	0.262722022
## RLVAR_align.W.PET	0.34557925	0.276146446	0.357547108
## Entropy_align.W.PET	0.67566506	0.396280081	0.887295934
## SZSE.W.PET	0.71276022	0.424321279	0.925049180
## LZSE.W.PET	0.13148978	0.126434361	0.122480571
## LGLZE.W.PET	0.45773549	0.327712495	0.513938253
## HGLZE.W.PET	0.20393816	0.129184682	0.267039973
## SZLGE.W.PET	0.51393642	0.371736640	0.586192402
## SZHGE.W.PET	0.19452606	0.121762428	0.255183806
## LZLGE.W.PET	0.04524959	0.061782699	0.004789041
## LZHGE.W.PET	0.21539917	0.141623225	0.291258330
## GLNU_area.W.PET	0.24847035	0.202675306	0.287085567
## ZSNU.W.PET	0.21946811	0.195981829	0.233799144
## ZSP.W.PET	0.65698731	0.383123192	0.858947522
## GLNU_norm.W.PET	0.45648913	0.317134270	0.519286468
## ZSNU_norm.W.PET	0.65239167	0.381595504	0.853600091
## GLVAR_area.W.PET	0.20449907	0.135283218	0.266367092
## ZSVAR.W.PET	0.06747757	0.100565228	0.036649597
## Entropy_area.W.PET	0.71201445	0.424500737	0.924742313
## Min_hist.ADC	-0.02032138	-0.239312286	0.247163841
## Max_hist.ADC	0.82361871	0.650037895	0.911988890
## Mean_hist.ADC	0.66872886	0.413891447	0.859310770
## Variance_hist.ADC	0.83736238	0.930327484	0.580203039
## Standard_Deviation_hist.ADC	0.94208977	0.881744072	0.824884593
## Skewness_hist.ADC	0.01855288	-0.031748084	0.162277115
## Kurtosis_hist.ADC	-0.01021823	-0.001424227	0.199310958
## Energy_hist.ADC	0.37796812	0.286374693	0.421964562
## Entropy_hist.ADC	0.78860658	0.529839004	0.955075269
## AUC_hist.ADC	0.72904238	0.440011545	0.949503663
## Volume.ADC	0.24381268	0.167253733	0.322920221
## X3D_surface.ADC	0.44486071	0.447727030	0.455743021
## ratio_3ds_vol.ADC	0.47076496	0.180909555	0.624184761
## ratio_3ds_vol_norm.ADC	0.73982820	0.471085902	0.932227384
## irregularity.ADC	0.72526370	0.397353846	0.935340501
## Compactness_v1.ADC	0.54865329	0.368168537	0.658059288
##	SAVE_cooc.W.ADC	SVAR_cooc.W.ADC	SENT_cooc.W.ADC
## Failure	-0.200068410	-0.099681554	0.027130642
## Entropy_cooc.W.ADC	0.189249221	0.275563997	0.132530403
## GLNU_align.H.PET	0.091681325	0.160075652	0.079420110
## Min_hist.PET	0.344648289	0.162440509	0.380049454
## Max_hist.PET	0.386104939	0.224308859	0.444426956
## Mean_hist.PET	0.334592000	0.154730195	0.411822965
## Variance_hist.PET	0.129132001	0.070627831	0.276158209
## Standard_Deviation_hist.PET	0.356004538	0.166361167	0.431196069
## Skewness_hist.PET	0.508980719	0.406403137	0.331910015
## Kurtosis_hist.PET	0.247015517	0.355095080	0.151933617
## Energy_hist.PET	0.225272760	0.200877248	0.247370218
## Entropy_hist.PET	0.721917991	0.530534424	0.680823655

## AUC_hist.PET	0.695564854	0.424126379	0.707607559
## H_suv.PET	0.375232346	0.178865601	0.430666686
## Volume.PET	0.253029934	0.289564964	0.465663079
## X3D_surface.PET	0.270034960	0.296251035	0.214897872
## ratio_3ds_vol.PET	0.352155147	0.149876269	0.251067094
## ratio_3ds_vol_norm.PET	0.427978855	0.292254479	0.394309431
## irregularity.PET	0.659022524	0.374163023	0.635298262
## tumor_length.PET	0.510061962	0.419729642	0.505862977
## Compactness_v1.PET	0.303629437	0.278162050	0.412096218
## Compactness_v2.PET	0.140498074	0.076495137	0.270390287
## Spherical_disproportion.PET	0.427978855	0.292254479	0.394309431
## Sphericity.PET	0.170117299	0.089940628	0.274106714
## Asphericity.PET	0.413066692	0.284512512	0.378579118
## Center_of_mass.PET	0.352737037	0.331209776	0.335904422
## Max_3D_diam.PET	0.373155644	0.292358133	0.476285139
## Major_axis_length.PET	0.371612760	0.338225221	0.514338842
## Minor_axis_length.PET	0.555673670	0.401646660	0.594207802
## Least_axis_length.PET	0.470895357	0.341508309	0.540001808
## Elongation.PET	0.639819272	0.294398738	0.541480742
## Flatness.PET	0.579039308	0.258116261	0.537415240
## Max_cooc.L.PET	0.252980007	0.248290177	0.302916721
## Average_cooc.L.PET	0.440306031	0.169641289	0.556443160
## Variance_cooc.L.PET	0.314915714	0.071044307	0.352392172
## Entropy_cooc.L.PET	0.667730451	0.370708842	0.715996638
## DAVE_cooc.L.PET	0.436660783	0.154463876	0.431972092
## DVAR_cooc.L.PET	0.383370950	0.121934089	0.337695352
## DENT_cooc.L.PET	0.640246268	0.333234983	0.653045367
## SAVE_cooc.L.PET	0.440215744	0.169436079	0.556335581
## SVAR_cooc.L.PET	0.305684634	0.080766886	0.396508238
## SENT_cooc.L.PET	0.647325156	0.343900115	0.661202457
## ASM_cooc.L.PET	0.236385107	0.235285819	0.282586063
## Contrast_cooc.L.PET	0.287143981	0.045976463	0.234838112
## Dissimilarity_cooc.L.PET	0.436660783	0.154463876	0.431972092
## Inv_diff_cooc.L.PET	0.660356501	0.479388915	0.645875924
## Inv_diff_norm_cooc.L.PET	0.703955178	0.427113491	0.713689788
## IDM_cooc.L.PET	0.607826213	0.473797880	0.581446484
## IDM_norm_cooc.L.PET	0.698894935	0.416692998	0.711473555
## Inv_var_cooc.L.PET	0.614331107	0.481894695	0.593332434
## Correlation_cooc.L.PET	0.464483312	0.322356891	0.559408545
## Autocorrelation_cooc.L.PET	0.250936052	0.049140868	0.414416815
## Tendency_cooc.L.PET	0.305684634	0.080766886	0.396508238
## Shade_cooc.L.PET	0.203854009	0.093812461	0.156466298
## Prominence_cooc.L.PET	0.171219849	0.007779065	0.225641505
## IC1_.L.PET	-0.158787085	0.058283537	-0.078006883
## IC2_.L.PET	0.569277519	0.276547327	0.544194164
## Coarseness_vdif_.L.PET	0.213921749	0.159896793	0.249998108
## Contrast_vdif_.L.PET	0.126575816	-0.031582110	-0.039892867
## Busyness_vdif_.L.PET	0.346311589	0.344327680	0.343290070
## Complexity_vdif_.L.PET	0.459045523	0.177812413	0.357022700
## Strength_vdif_.L.PET	0.125944300	-0.001881482	0.013696675
## SRE_align.L.PET	0.687554950	0.399007057	0.700831733
## LRE_align.L.PET	0.706532492	0.418721411	0.700672548
## GLNU_align.L.PET	0.286335756	0.288716801	0.287639738
## RLNU_align.L.PET	0.247602193	0.243977498	0.270523683

## RP_align.L.PET	0.686524025	0.396837574	0.698980897
## LGRE_align.L.PET	0.498481547	0.392455006	0.374539900
## HGRE_align.L.PET	0.275360624	0.055198620	0.420912309
## LGSRE_align.L.PET	0.498793070	0.391544041	0.377892427
## HGSRE_align.L.PET	0.273146134	0.053933387	0.418696623
## LGHRE_align.L.PET	0.493808239	0.393198042	0.360020912
## HGLRE_align.L.PET	0.284174544	0.060245152	0.428181589
## GLNU_norm_align.L.PET	0.463254472	0.383637196	0.439958570
## RLNU_norm_align.L.PET	0.681683934	0.389046638	0.693227840
## GLVAR_align.L.PET	0.329598175	0.081625075	0.396448597
## RLVAR_align.L.PET	0.463219454	0.388670071	0.482247506
## Entropy_align.L.PET	0.665841756	0.366391216	0.714394557
## SZSE.L.PET	0.654334132	0.395297348	0.704879852
## LZSE.L.PET	0.561719238	0.296682586	0.439166479
## LGLZE.L.PET	0.505249982	0.392607629	0.381736236
## HGLZE.L.PET	0.284060278	0.056654962	0.424150962
## SZLGE.L.PET	0.495867651	0.386961720	0.395205279
## SZHGE.L.PET	0.274933589	0.064127243	0.430893625
## LZLGE.L.PET	0.464882460	0.383143094	0.297599985
## LZHGE.L.PET	0.261024230	0.017790028	0.310681040
## GLNU_area.L.PET	0.283610797	0.291281524	0.293888817
## ZSNU.L.PET	0.242116305	0.245252787	0.278038784
## ZSP.L.PET	0.658044423	0.388344802	0.697898429
## GLNU_norm.L.PET	0.463174846	0.383643969	0.441424561
## ZSNU_norm.L.PET	0.659457751	0.375735568	0.683276606
## GLVAR_area.L.PET	0.336821487	0.084008573	0.405412415
## ZSVAR.L.PET	0.418551494	0.297522874	0.335690424
## Entropy_area.L.PET	0.673892907	0.375368685	0.719230578
## Max_cooc.H.PET	0.134248040	0.205716280	0.216234378
## Average_cooc.H.PET	0.664889310	0.408603558	0.676951769
## Variance_cooc.H.PET	0.589087304	0.266791535	0.616337484
## Entropy_cooc.H.PET	0.520632387	0.221527875	0.565597394
## DAVE_cooc.H.PET	0.613252042	0.289503063	0.580728429
## DVAR_cooc.H.PET	0.558628769	0.290454239	0.593365063
## DENT_cooc.H.PET	0.681451151	0.440189471	0.583796036
## SAVE_cooc.H.PET	0.699136631	0.439042409	0.675795574
## SVAR_cooc.H.PET	0.644487882	0.410648626	0.646722855
## SENT_cooc.H.PET	0.483370476	0.223397989	0.416285129
## ASM_cooc.H.PET	0.095489339	0.194323770	0.231752505
## Contrast_cooc.H.PET	0.529363647	0.233081181	0.510598235
## Dissimilarity_cooc.H.PET	0.613252042	0.289503063	0.580728429
## Inv_diff_cooc.H.PET	0.431206119	0.360566870	0.505366504
## Inv_diff_norm_cooc.H.PET	0.687932139	0.414584165	0.706705771
## IDM_cooc.H.PET	0.355573358	0.325750076	0.430531944
## IDM_norm_cooc.H.PET	0.692613635	0.409961703	0.705142280
## Inv_var_cooc_.H.PET	0.376089983	0.291335728	0.399731567
## Correlation_cooc.H.PET	0.461539710	0.291849613	0.560677994
## Autocorrelation_cooc.H.PET	0.609910982	0.398889377	0.639354444
## Tendency_cooc.H.PET	0.568676645	0.261127582	0.618340407
## Shade_cooc.H.PET	-0.282875988	-0.052834538	-0.245412310
## Prominence_cooc.H.PET	0.426493758	0.155632167	0.475415182
## IC1_d.H.PET	-0.143649575	-0.050549312	-0.126041681
## IC2_d.H.PET	0.556908196	0.330350790	0.582364088
## Coarseness_vdif.H.PET	0.220457348	0.208999891	0.264037919

## Contrast_vdif.H.PET	0.060270855	0.095651871	0.203315598
## Busyness_vdif.H.PET	0.189354448	0.145572940	0.188825869
## Complexity_vdif.H.PET	0.440927991	0.210114944	0.336987934
## Strength_vdif.H.PET	-0.080796474	-0.068926245	-0.020958421
## SRE_align.H.PET	0.679366551	0.366444702	0.670057929
## LRE_align.H.PET	0.432868108	0.386739497	0.485916327
## RLNU_align.H.PET	0.215838184	0.236894120	0.282264869
## RP_align.H.PET	0.667098800	0.353773810	0.658016711
## LGRE_align.H.PET	0.232128831	0.225880505	0.308134288
## HGRE_align.H.PET	0.612735285	0.403107993	0.650953240
## LGSRE_align.H.PET	0.230256573	0.225046887	0.306041128
## HGSRE_align.H.PET	0.659459520	0.392410163	0.658855767
## LGHRE_align.H.PET	0.243864325	0.232131518	0.319213465
## HGLRE_align.H.PET	0.287982310	0.287096715	0.355894980
## GLNU_norm_align.H.PET	0.291399437	0.291983486	0.359629640
## RLNU_norm_align.H.PET	0.636562624	0.318138604	0.612619532
## GLVAR_align.H.PET	0.574077475	0.261631149	0.600840676
## RLVAR_align.H.PET	0.230424899	0.264184177	0.248897760
## Entropy_align.H.PET	0.641310729	0.349371432	0.677291657
## SZSE.H.PET	0.621736573	0.331281898	0.602200704
## LZSE.H.PET	0.008373746	0.115243727	-0.018735248
## LGLZE.H.PET	0.230758803	0.224411223	0.309821513
## HGLZE.H.PET	0.698460160	0.511557319	0.610203808
## SZLGE.H.PET	0.225565084	0.223805898	0.305257440
## SZHGE.H.PET	0.646934808	0.374264462	0.540779823
## LZLGE.H.PET	0.049901524	0.134816142	0.030186850
## LZHGE.H.PET	-0.019586674	0.091254616	-0.011933236
## GLNU_area.H.PET	0.293749942	0.274093204	0.292615770
## ZSNU.H.PET	0.150552575	0.211360773	0.278183607
## ZSP.H.PET	0.478536293	0.222562254	0.458173005
## GLNU_norm.H.PET	0.273462708	0.255199658	0.368772161
## ZSNU_norm.H.PET	0.530905563	0.249670194	0.492224473
## GLVAR_area.H.PET	0.569553581	0.276757231	0.599080193
## ZSVAR.H.PET	-0.002993246	0.109342089	-0.014038611
## Entropy_area.H.PET	0.685722985	0.403318456	0.714252716
## Max_cooc.W.PET	0.135069971	0.187493756	0.238254980
## Average_cooc.W.PET	0.317743217	0.142515178	0.447342282
## Variance_cooc.W.PET	0.133713485	0.067803493	0.259424101
## Entropy_cooc.W.PET	0.610666448	0.307089183	0.623792984
## DAVE_cooc.W.PET	0.362565115	0.141267528	0.395417077
## DVAR_cooc.W.PET	0.161067808	0.062073877	0.247226153
## DENT_cooc.W.PET	0.600008899	0.293173386	0.586224181
## SAVE_cooc.W.PET	0.317358460	0.142087169	0.446876965
## SVAR_cooc.W.PET	0.117860369	0.072558450	0.256133200
## SENT_cooc.W.PET	0.638617567	0.325951312	0.621977633
## ASM_cooc.W.PET	0.151292002	0.214350321	0.271899289
## Contrast_cooc.W.PET	0.163001159	0.049015764	0.244525371
## Dissimilarity_cooc.W.PET	0.362565115	0.141267528	0.395417077
## Inv_diff_cooc.W.PET	0.499709013	0.377505283	0.547321325
## Inv_diff_norm_cooc.W.PET	0.703120658	0.426609788	0.712881755
## IDM_cooc.W.PET	0.395786043	0.337316380	0.461341407
## IDM_norm_cooc.W.PET	0.699092804	0.416329927	0.710433677
## Inv_var_cooc.W.PET	0.458957156	0.362973749	0.500993333
## Correlation_cooc.W.PET	0.465321664	0.322490418	0.560296656

## Autocorrelation_cooc.W.PET	0.096980952	0.058953815	0.307076442
## Tendency_cooc.W.PET	0.117860369	0.072558450	0.256133200
## Shade_cooc.W.PET	0.029855437	0.037768528	0.084340194
## Prominence_cooc.W.PET	-0.011986528	0.022010843	0.084293579
## IC1_d.W.PET	-0.161054219	-0.017749983	-0.094456827
## IC2_d.W.PET	0.601032735	0.331683331	0.578868870
## Coarseness_vdif.W.PET	0.182030894	0.120093716	0.201332774
## Contrast_vdif.W.PET	0.269242148	0.050683927	0.269612541
## Busyness_vdif.W.PET	0.187187520	0.253619198	0.262835617
## Complexity_vdif.W.PET	0.083077879	0.089801756	0.221209514
## Strength_vdif.W.PET	0.191698437	0.080809870	0.081432224
## SRE_align.W.PET	0.691265163	0.389015827	0.690942829
## LRE_align.W.PET	0.599765835	0.409776578	0.636233833
## GLNU_align.W.PET	0.352211582	0.309691012	0.274475472
## RLNU_align.W.PET	0.231233538	0.240256523	0.275717546
## RP_align.W.PET	0.687495177	0.382123842	0.685060989
## LGRE_align.W.PET	0.320357725	0.310476641	0.322663349
## HGRE_align.W.PET	0.104167221	0.059398823	0.307631649
## LGSRE_align.W.PET	0.352743988	0.321731806	0.337148319
## HGSRE_align.W.PET	0.100314546	0.057156780	0.303593894
## LGHRE_align.W.PET	0.191245375	0.259574859	0.245644026
## HGLRE_align.W.PET	0.121155300	0.068212290	0.322470598
## GLNU_norm_align.W.PET	0.281912669	0.287037674	0.353805934
## RLNU_norm_align.W.PET	0.678882323	0.363272708	0.663399346
## GLVAR_align.W.PET	0.130002560	0.070955006	0.276134843
## RLVAR_align.W.PET	0.243251281	0.275046745	0.302195358
## Entropy_align.W.PET	0.641851462	0.343264320	0.671961595
## SZSE.W.PET	0.660826514	0.371947532	0.663064035
## LZSE.W.PET	0.058519586	0.109476307	0.099761943
## LGLZE.W.PET	0.335630105	0.316375898	0.353172199
## HGLZE.W.PET	0.108061157	0.059656882	0.306272178
## SZLGE.W.PET	0.404300385	0.344244921	0.392260838
## SZHGE.W.PET	0.096779495	0.055495787	0.296283952
## LZLGE.W.PET	-0.038403730	0.093282666	0.019350096
## LZHGE.W.PET	0.180300584	0.038797082	0.278754319
## GLNU_area.W.PET	0.335487552	0.302018945	0.290909398
## ZSNU.W.PET	0.195038492	0.230428194	0.278257371
## ZSP.W.PET	0.624553863	0.332617585	0.602639295
## GLNU_norm.W.PET	0.283518056	0.283626699	0.373281081
## ZSNU_norm.W.PET	0.630068219	0.316905865	0.577594862
## GLVAR_area.W.PET	0.136019163	0.071980824	0.276772207
## ZSVAR.W.PET	0.006180023	0.085511280	0.037693177
## Entropy_area.W.PET	0.670046766	0.379123259	0.705306729
## Min_hist.ADC	-0.210095934	-0.297743204	0.165298964
## Max_hist.ADC	0.795597674	0.657539009	0.738407123
## Mean_hist.ADC	0.714051833	0.359288440	0.419860830
## Variance_hist.ADC	0.637166504	0.988373691	0.483905599
## Standard_Deviation_hist.ADC	0.770842706	0.903512351	0.635236218
## Skewness_hist.ADC	-0.241589913	-0.019229668	0.662538101
## Kurtosis_hist.ADC	0.204926059	-0.206510531	0.150955580
## Energy_hist.ADC	0.203291975	0.193530890	0.281833584
## Entropy_hist.ADC	0.773874718	0.532426663	0.737834341
## AUC_hist.ADC	0.643960445	0.408457141	0.774817234
## Volume.ADC	0.259840109	0.286426024	0.453669583

## X3D_surface.ADC	0.521500035	0.587857573	0.600011535
## ratio_3ds_vol.ADC	0.239736836	0.021352970	0.259217482
## ratio_3ds_vol_norm.ADC	0.712882171	0.452963912	0.685075751
## irregularity.ADC	0.578016255	0.303128179	0.640141369
## Compactness_v1.ADC	0.388513444	0.280131997	0.460241597
##	ASM_cooc.W.ADC	Contrast_cooc.W.ADC	
## Failure	5.212301e-02	-0.0761130131	
## Entropy_cooc.W.ADC	-2.567299e-02	0.2680670288	
## GLNU_align.H.PET	5.230476e-02	0.1072905290	
## Min_hist.PET	9.879410e-02	0.2231678751	
## Max_hist.PET	1.138751e-01	0.2589795942	
## Mean_hist.PET	9.538024e-02	0.2194799437	
## Variance_hist.PET	3.303938e-02	0.1262874194	
## Standard_Deviation_hist.PET	1.364132e-01	0.2264052986	
## Skewness_hist.PET	2.875784e-01	0.3567089625	
## Kurtosis_hist.PET	1.448910e-01	0.2072855960	
## Energy_hist.PET	9.818201e-01	0.2996245166	
## Entropy_hist.PET	2.636139e-01	0.5392671140	
## AUC_hist.PET	4.761805e-01	0.4855189316	
## H_suv.PET	2.380497e-01	0.2421735953	
## Volume.PET	-1.652391e-01	0.1637167890	
## X3D_surface.PET	1.024254e-01	0.2732811848	
## ratio_3ds_vol.PET	6.292935e-01	0.2770253361	
## ratio_3ds_vol_norm.PET	6.285438e-01	0.3627619674	
## irregularity.PET	4.410966e-01	0.4639935480	
## tumor_length.PET	3.114120e-01	0.4194490687	
## Compactness_v1.PET	9.139020e-01	0.3402820435	
## Compactness_v2.PET	-2.702059e-01	0.0424406617	
## Spherical_disproportion.PET	6.285438e-01	0.3627619674	
## Sphericity.PET	-4.177926e-01	0.0312376776	
## Asphericity.PET	6.272702e-01	0.3541006480	
## Center_of_mass.PET	1.594978e-01	0.3221266098	
## Max_3D_diam.PET	-1.744658e-01	0.2448899353	
## Major_axis_length.PET	-3.759968e-02	0.3193361886	
## Minor_axis_length.PET	1.275159e-01	0.3542594683	
## Least_axis_length.PET	7.145387e-03	0.2825739273	
## Elongation.PET	4.765003e-01	0.3591992180	
## Flatness.PET	3.724024e-01	0.2885473035	
## Max_cooc.L.PET	9.930034e-01	0.3259450093	
## Average_cooc.L.PET	3.428802e-01	0.2985986530	
## Variance_cooc.L.PET	3.076878e-01	0.1926877721	
## Entropy_cooc.L.PET	3.556599e-01	0.4396811861	
## DAVE_cooc.L.PET	3.487749e-01	0.2785284952	
## DVAR_cooc.L.PET	3.888067e-01	0.2175372272	
## DENT_cooc.L.PET	3.955770e-01	0.4248293922	
## SAVE_cooc.L.PET	3.417909e-01	0.2983477348	
## SVAR_cooc.L.PET	2.898953e-01	0.1875707818	
## SENT_cooc.L.PET	4.792169e-01	0.4407991852	
## ASM_cooc.L.PET	9.991991e-01	0.3131639926	
## Contrast_cooc.L.PET	2.942430e-01	0.1747988178	
## Dissimilarity_cooc.L.PET	3.487749e-01	0.2785284952	
## Inv_diff_cooc.L.PET	5.205846e-01	0.4936868809	
## Inv_diff_norm_cooc.L.PET	4.339525e-01	0.4857556530	
## IDM_cooc.L.PET	5.773856e-01	0.4768893517	

## IDM_norm_cooc.L.PET	4.322318e-01	0.4802922977
## Inv_var_cooc.L.PET	5.747540e-01	0.4820110185
## Correlation_cooc.L.PET	2.923002e-01	0.3355181684
## Autocorrelation_cooc.L.PET	2.874144e-01	0.1773876036
## Tendency_cooc.L.PET	2.898953e-01	0.1875707818
## Shade_cooc.L.PET	1.036461e-01	0.1037292741
## Prominence_cooc.L.PET	2.289187e-01	0.0921775973
## IC1_.L.PET	6.699037e-02	-0.0853663481
## IC2_.L.PET	5.036892e-01	0.4249103178
## Coarseness_vdif_.L.PET	9.177990e-01	0.2840179603
## Contrast_vdif_.L.PET	2.124588e-01	0.0735999907
## Busyness_vdif_.L.PET	-5.274397e-02	0.2339472341
## Complexity_vdif_.L.PET	4.141081e-01	0.3046134219
## Strength_vdif_.L.PET	2.937183e-01	0.0951388901
## SRE_align.L.PET	4.397273e-01	0.4714345623
## LRE_align.L.PET	4.202379e-01	0.4809863280
## GLNU_align.L.PET	-4.159817e-02	0.2106179399
## RLNU_align.L.PET	-9.623849e-02	0.1974656893
## RP_align.L.PET	4.399760e-01	0.4704534936
## LGRE_align.L.PET	6.514135e-01	0.3983678120
## HGRE_align.L.PET	2.995397e-01	0.1899987696
## LGSRE_align.L.PET	6.620217e-01	0.4001091845
## HGSRE_align.L.PET	3.009453e-01	0.1887305460
## LGHRE_align.L.PET	6.077949e-01	0.3888673209
## HGLRE_align.L.PET	2.926114e-01	0.1950580766
## GLNU_norm_align.L.PET	8.923337e-01	0.4306696275
## RLNU_norm_align.L.PET	4.416511e-01	0.4665460752
## GLVAR_align.L.PET	3.135218e-01	0.2059803631
## RLVAR_align.L.PET	8.140225e-01	0.4232817687
## Entropy_align.L.PET	3.698183e-01	0.4434020892
## SZSE.L.PET	4.457845e-01	0.4586773104
## LZSE.L.PET	2.588125e-01	0.3570563482
## LGLZE.L.PET	6.640371e-01	0.3990084821
## HGLZE.L.PET	3.016804e-01	0.1902382513
## SZLGE.L.PET	6.959462e-01	0.3976171258
## SZHGE.L.PET	3.090849e-01	0.1865022131
## LZLGE.L.PET	4.679615e-01	0.3633784329
## LZHGE.L.PET	2.122483e-01	0.1667206349
## GLNU_area.L.PET	-4.851983e-02	0.2129938246
## ZSNU.L.PET	-1.061936e-01	0.1953668506
## ZSP.L.PET	4.434647e-01	0.4580079899
## GLNU_norm.L.PET	8.961657e-01	0.4317066292
## ZSNU_norm.L.PET	4.448146e-01	0.4559184571
## GLVAR_area.L.PET	3.212372e-01	0.2084545536
## ZSVAR.L.PET	3.240727e-01	0.3061203817
## Entropy_area.L.PET	3.670246e-01	0.4468977090
## Max_cooc.H.PET	3.994118e-01	0.2320001676
## Average_cooc.H.PET	4.097995e-01	0.4733291706
## Variance_cooc.H.PET	3.029998e-01	0.3514364526
## Entropy_cooc.H.PET	2.547371e-01	0.2699034775
## DAVE_cooc.H.PET	3.366102e-01	0.3727178867
## DVAR_cooc.H.PET	3.486878e-01	0.3773117015
## DENT_cooc.H.PET	1.868913e-01	0.4623937287
## SAVE_cooc.H.PET	3.906399e-01	0.4962147436

## SVAR_cooc.H.PET	3.102789e-01	0.4586974843
## SENT_cooc.H.PET	5.847868e-01	0.3336227348
## ASM_cooc.H.PET	4.934867e-01	0.2290733637
## Contrast_cooc.H.PET	3.090580e-01	0.3221372601
## Dissimilarity_cooc.H.PET	3.366102e-01	0.3727178867
## Inv_diff_cooc.H.PET	4.492868e-01	0.3977732641
## Inv_diff_norm_cooc.H.PET	4.464832e-01	0.4813269714
## IDM_cooc.H.PET	4.245957e-01	0.3556506134
## IDM_norm_cooc.H.PET	4.389070e-01	0.4776501861
## Inv_var_cooc_.H.PET	8.847189e-01	0.3763985022
## Correlation_cooc.H.PET	2.933688e-01	0.3156309609
## Autocorrelation_cooc.H.PET	4.085858e-01	0.4588048933
## Tendency_cooc.H.PET	2.724993e-01	0.3358138550
## Shade_cooc.H.PET	-1.644506e-01	-0.1468311446
## Prominence_cooc.H.PET	1.628549e-01	0.2251129699
## IC1_d.H.PET	3.870365e-01	-0.0399877808
## IC2_d.H.PET	3.429515e-01	0.3871411801
## Coarseness_vdif.H.PET	9.951991e-01	0.2967869783
## Contrast_vdif.H.PET	2.617292e-01	0.2105801253
## Busyness_vdif.H.PET	-4.059720e-01	-0.0068715266
## Complexity_vdif.H.PET	6.630245e-01	0.3511245557
## Strength_vdif.H.PET	1.137125e-01	-0.0499194193
## SRE_align.H.PET	4.164083e-01	0.4408004576
## LRE_align.H.PET	3.016723e-01	0.4159922679
## RLNU_align.H.PET	-8.418647e-02	0.2001626419
## RP_align.H.PET	4.116675e-01	0.4309959162
## LGRE_align.H.PET	9.942329e-01	0.3105696732
## HGRE_align.H.PET	4.031521e-01	0.4597967058
## LGSRE_align.H.PET	9.944854e-01	0.3096263604
## HGSRE_align.H.PET	4.014579e-01	0.4559739708
## LGHRE_align.H.PET	9.930365e-01	0.3172404979
## HGLRE_align.H.PET	2.336342e-01	0.3094321837
## GLNU_norm_align.H.PET	4.402389e-01	0.3243653251
## RLNU_norm_align.H.PET	3.855508e-01	0.3976415657
## GLVAR_align.H.PET	2.806544e-01	0.3452529972
## RLVAR_align.H.PET	2.043350e-01	0.2626753182
## Entropy_align.H.PET	2.956690e-01	0.4101933367
## SZSE.H.PET	3.563693e-01	0.3902262965
## LZSE.H.PET	-6.451783e-02	0.0833600566
## LGLZE.H.PET	9.924095e-01	0.3094267436
## HGLZE.H.PET	3.393385e-01	0.5253193240
## SZLGE.H.PET	9.933504e-01	0.3075609040
## SZHGE.H.PET	3.052024e-01	0.4051984520
## LZLGE.H.PET	7.057629e-02	0.1253673369
## LZHGE.H.PET	-2.197703e-02	0.0804864407
## GLNU_area.H.PET	-1.008496e-01	0.1868929502
## ZSNU.H.PET	-9.067045e-02	0.1912431484
## ZSP.H.PET	2.487349e-01	0.2715920473
## GLNU_norm.H.PET	4.459421e-01	0.3066409346
## ZSNU_norm.H.PET	2.926157e-01	0.3129217793
## GLVAR_area.H.PET	2.694164e-01	0.3580977710
## ZSVAR_H.PET	-4.092313e-02	0.0902234527
## Entropy_area.H.PET	3.358438e-01	0.4510374504
## Max_cooc.W.PET	6.274796e-01	0.2371442852

## Average_cooc.W.PET	1.091947e-01	0.2106360876
## Variance_cooc.W.PET	4.217969e-02	0.1194814817
## Entropy_cooc.W.PET	2.674731e-01	0.3700493019
## DAVE_cooc.W.PET	1.417263e-01	0.2102602064
## DVAR_cooc.W.PET	3.941421e-02	0.1270968917
## DENT_cooc.W.PET	2.819689e-01	0.3591743646
## SAVE_cooc.W.PET	1.071657e-01	0.2100578071
## SVAR_cooc.W.PET	4.182097e-02	0.1159247123
## SENT_cooc.W.PET	3.931850e-01	0.4028683799
## ASM_cooc.W.PET	8.062663e-01	0.2773753389
## Contrast_cooc.W.PET	3.809095e-02	0.1177397855
## Dissimilarity_cooc.W.PET	1.417263e-01	0.2102602064
## Inv_diff_cooc.W.PET	4.655105e-01	0.4222729648
## Inv_diff_norm_cooc.W.PET	4.359073e-01	0.4864941063
## IDM_cooc.W.PET	4.358399e-01	0.3733157759
## IDM_norm_cooc.W.PET	4.331790e-01	0.4807231084
## Inv_var_cooc.W.PET	4.685441e-01	0.4059469588
## Correlation_cooc.W.PET	2.903345e-01	0.3333244479
## Autocorrelation_cooc.W.PET	2.294909e-03	0.1210237942
## Tendency_cooc.W.PET	4.182097e-02	0.1159247123
## Shade_cooc.W.PET	4.512400e-02	0.0520973765
## Prominence_cooc.W.PET	1.786569e-02	0.0468300328
## IC1_d.W.PET	4.526773e-01	-0.0273830131
## IC2_d.W.PET	4.000404e-01	0.4198846462
## Coarseness_vdif.W.PET	8.441116e-01	0.2548465387
## Contrast_vdif.W.PET	2.695380e-01	0.1416622480
## Busyness_vdif.W.PET	-9.130133e-02	0.1683962222
## Complexity_vdif.W.PET	2.728119e-02	0.1295428627
## Strength_vdif.W.PET	1.891786e-01	0.0961939373
## SRE_align.W.PET	4.293350e-01	0.4614655776
## LRE_align.W.PET	3.935964e-01	0.4623232414
## GLNU_align.W.PET	-9.588796e-02	0.2063128409
## RLNU_align.W.PET	-8.565468e-02	0.1989666190
## RP_align.W.PET	4.264224e-01	0.4558830132
## LGRE_align.W.PET	4.194408e-01	0.3279454780
## HGRE_align.W.PET	-5.179014e-03	0.1244214676
## LGSRE_align.W.PET	4.496599e-01	0.3442081196
## HGSRE_align.W.PET	-6.526228e-03	0.1222883702
## LGHRE_align.W.PET	2.850212e-01	0.2563024007
## HGLRE_align.W.PET	5.590611e-05	0.1333833811
## GLNU_norm_align.W.PET	5.425216e-01	0.3276670179
## RLNU_norm_align.W.PET	4.133196e-01	0.4394419397
## GLVAR_align.W.PET	3.084328e-02	0.1265967328
## RLVAR_align.W.PET	3.462623e-01	0.2901432383
## Entropy_align.W.PET	2.963744e-01	0.4065512805
## SZSE.W.PET	4.111251e-01	0.4357258738
## LZSE.W.PET	9.615912e-02	0.1371967601
## LGLZE.W.PET	4.436548e-01	0.3427517478
## HGLZE.W.PET	-3.765141e-03	0.1235136466
## SZLGE.W.PET	5.279255e-01	0.3830743158
## SZHGE.W.PET	-6.671909e-03	0.1166182821
## LZLGE.W.PET	1.762895e-02	0.0716645968
## LZHGE.W.PET	4.237398e-02	0.1376947906
## GLNU_area.W.PET	-9.729300e-02	0.2015947302

## ZSNU.W.PET	-8.588084e-02	0.1972432724
## ZSP.W.PET	3.551777e-01	0.3926050061
## GLNU_norm.W.PET	5.602640e-01	0.3351171520
## ZSNU_norm.W.PET	3.602554e-01	0.3906863086
## GLVAR_area.W.PET	3.601906e-02	0.1281295766
## ZSVAR.W.PET	6.182699e-02	0.1070134084
## Entropy_area.W.PET	3.218935e-01	0.4364420497
## Min_hist.ADC	1.951995e-01	-0.2238924141
## Max_hist.ADC	3.319575e-01	0.6394605137
## Mean_hist.ADC	3.390648e-01	0.4230211187
## Variance_hist.ADC	2.511061e-01	0.9215312756
## Standard_Deviation_hist.ADC	3.303211e-01	0.8838518486
## Skewness_hist.ADC	1.250721e-01	-0.0679994529
## Kurtosis_hist.ADC	1.063423e-01	-0.0747063208
## Energy_hist.ADC	9.947929e-01	0.2917981712
## Entropy_hist.ADC	3.551826e-01	0.5386357405
## AUC_hist.ADC	4.438138e-01	0.4466967715
## Volume.ADC	-1.711646e-01	0.1580425643
## X3D_surface.ADC	7.609620e-02	0.4118182510
## ratio_3ds_vol.ADC	4.681250e-01	0.2315788176
## ratio_3ds_vol_norm.ADC	3.372984e-01	0.4781949047
## irregularity.ADC	4.434421e-01	0.4280647314
## Compactness_v1.ADC	9.328012e-01	0.3801000592
##	Dissimilarity_cooc.W.ADC	Inv_diff_cooc.W.ADC
## Failure	-0.06138802	0.0716537803
## Entropy_cooc.W.ADC	0.18929496	-0.0814414694
## GLNU_align.H.PET	0.04122421	-0.0309151339
## Min_hist.PET	0.39804517	0.3963641049
## Max_hist.PET	0.42043248	0.4300534732
## Mean_hist.PET	0.39169092	0.4119743893
## Variance_hist.PET	0.20170774	0.2269610825
## Standard_Deviation_hist.PET	0.38967165	0.4490851535
## Skewness_hist.PET	0.47972068	0.4057244882
## Kurtosis_hist.PET	0.20538508	0.1103764547
## Energy_hist.PET	0.38466567	0.6442653460
## Entropy_hist.PET	0.76041313	0.6272098187
## AUC_hist.PET	0.76997456	0.8332790519
## H_suv.PET	0.40928170	0.5119292702
## Volume.PET	0.25259173	0.1901223003
## X3D_surface.PET	0.26689110	0.1721392512
## ratio_3ds_vol.PET	0.43450100	0.6255176547
## ratio_3ds_vol_norm.PET	0.47691786	0.6290940775
## irregularity.PET	0.74769045	0.7924923821
## tumor_length.PET	0.52527830	0.5203248249
## Compactness_v1.PET	0.45880190	0.6988767068
## Compactness_v2.PET	0.14254625	0.0949205173
## Spherical_disproportion.PET	0.47691786	0.6290940775
## Sphericity.PET	0.14495034	0.0136953807
## Asphericity.PET	0.46074979	0.6141412898
## Center_of_mass.PET	0.36370999	0.3287693629
## Max_3D_diam.PET	0.37619882	0.2302706189
## Major_axis_length.PET	0.44131942	0.3239165000
## Minor_axis_length.PET	0.52113359	0.4804042139
## Least_axis_length.PET	0.43213235	0.3694682197

## Elongation.PET	0.62665648	0.7346881817
## Flatness.PET	0.55351819	0.6601653980
## Max_cooc.L.PET	0.40914853	0.6637374510
## Average_cooc.L.PET	0.56425095	0.7031882861
## Variance_cooc.L.PET	0.42007371	0.5722692660
## Entropy_cooc.L.PET	0.73059497	0.7947264091
## DAVE_cooc.L.PET	0.53205694	0.6554659155
## DVAR_cooc.L.PET	0.44236743	0.6442947875
## DENT_cooc.L.PET	0.72070191	0.8044776933
## SAVE_cooc.L.PET	0.56402609	0.7026925074
## SVAR_cooc.L.PET	0.41453703	0.5742768651
## SENT_cooc.L.PET	0.72980483	0.8258930393
## ASM_cooc.L.PET	0.38592658	0.6473637045
## Contrast_cooc.L.PET	0.37224149	0.4918986121
## Dissimilarity_cooc.L.PET	0.53205694	0.6554659155
## Inv_diff_cooc.L.PET	0.70861010	0.7361360436
## Inv_diff_norm_cooc.L.PET	0.77018551	0.8184774139
## IDM_cooc.L.PET	0.65565938	0.6914755657
## IDM_norm_cooc.L.PET	0.76834309	0.8225214743
## Inv_var_cooc.L.PET	0.65789202	0.6954282382
## Correlation_cooc.L.PET	0.50654211	0.5255783044
## Autocorrelation_cooc.L.PET	0.38811133	0.5512280530
## Tendency_cooc.L.PET	0.41453703	0.5742768651
## Shade_cooc.L.PET	0.20367874	0.2596980509
## Prominence_cooc.L.PET	0.26069390	0.4268190098
## IC1_.L.PET	-0.24813020	-0.2153703375
## IC2_.L.PET	0.69393455	0.7791586427
## Coarseness_vdif_.L.PET	0.39548546	0.6501931373
## Contrast_vdif_.L.PET	0.17958930	0.2226843141
## Busyness_vdif_.L.PET	0.28382634	0.1637482193
## Complexity_vdif_.L.PET	0.53359829	0.6510442597
## Strength_vdif_.L.PET	0.21686725	0.3104987659
## SRE_align.L.PET	0.76346103	0.8288829356
## LRE_align.L.PET	0.76768872	0.8117569017
## GLNU_align.L.PET	0.24275921	0.1681494606
## RLNU_align.L.PET	0.22665166	0.1341208352
## RP_align.L.PET	0.76279826	0.8290448783
## LGRE_align.L.PET	0.54198157	0.6128666226
## HGRE_align.L.PET	0.40870307	0.5694128725
## LGSRE_align.L.PET	0.54497548	0.6208282468
## HGSRE_align.L.PET	0.40713756	0.5687021436
## LGHRE_align.L.PET	0.52692536	0.5790516511
## HGLRE_align.L.PET	0.41414055	0.5701110682
## GLNU_norm_align.L.PET	0.58101589	0.7533703922
## RLNU_norm_align.L.PET	0.75961677	0.8294821652
## GLVAR_align.L.PET	0.43940279	0.5960280257
## RLVAR_align.L.PET	0.55647876	0.7038553132
## Entropy_align.L.PET	0.73630238	0.8033762832
## SZSE.L.PET	0.74305335	0.8197673893
## LZSE.L.PET	0.55665703	0.5381166571
## LGLZE.L.PET	0.54777714	0.6264634244
## HGLZE.L.PET	0.41286834	0.5782781448
## SZLGE.L.PET	0.55019166	0.6479986619
## SZHGE.L.PET	0.40646634	0.5797692328

## LZLGE.L.PET	0.46890416	0.4539245955
## LZHGE.L.PET	0.35179175	0.4502353570
## GLNU_area.L.PET	0.24540944	0.1658321532
## ZSNU.L.PET	0.22643124	0.1326036681
## ZSP.L.PET	0.74670878	0.8241421396
## GLNU_norm.L.PET	0.58182275	0.7542981407
## ZSNU_norm.L.PET	0.74852337	0.8256317354
## GLVAR_area.L.PET	0.44590480	0.6076114504
## ZSVAR.L.PET	0.40501246	0.3823160679
## Entropy_area.L.PET	0.73784625	0.8010879723
## Max_cooc.H.PET	0.28661030	0.3401947816
## Average_cooc.H.PET	0.75522978	0.7919011568
## Variance_cooc.H.PET	0.62027181	0.7107966302
## Entropy_cooc.H.PET	0.54990076	0.7309918638
## DAVE_cooc.H.PET	0.64868796	0.7276766257
## DVAR_cooc.H.PET	0.63726677	0.7260036305
## DENT_cooc.H.PET	0.67850383	0.5104903914
## SAVE_cooc.H.PET	0.77642704	0.7764365017
## SVAR_cooc.H.PET	0.69525605	0.6511769967
## SENT_cooc.H.PET	0.51739686	0.6961380488
## ASM_cooc.H.PET	0.27552281	0.3612618183
## Contrast_cooc.H.PET	0.57301280	0.6615677917
## Dissimilarity_cooc.H.PET	0.64868796	0.7276766257
## Inv_diff_cooc.H.PET	0.56492401	0.5880931631
## Inv_diff_norm_cooc.H.PET	0.76785986	0.8249845359
## IDM_cooc.H.PET	0.49015391	0.5066018482
## IDM_norm_cooc.H.PET	0.76712574	0.8253697302
## Inv_var_cooc.H.PET	0.49624983	0.7193525005
## Correlation_cooc.H.PET	0.49977155	0.5457659752
## Autocorrelation_cooc.H.PET	0.71914504	0.7480954257
## Tendency_cooc.H.PET	0.59031836	0.6737774660
## Shade_cooc.H.PET	-0.29405221	-0.3549169765
## Prominence_cooc.H.PET	0.42156221	0.5021414971
## IC1_d.H.PET	-0.09096609	0.1080426025
## IC2_d.H.PET	0.60411351	0.6300419780
## Coarseness_vdif.H.PET	0.37309229	0.6440651764
## Contrast_vdif.H.PET	0.26942743	0.2852633204
## Busyness_vdif.H.PET	0.05735951	-0.1004597615
## Complexity_vdif.H.PET	0.52267278	0.6807466842
## Strength_vdif.H.PET	-0.01981205	0.0684418701
## SRE_align.H.PET	0.73235107	0.8107167579
## LRE_align.H.PET	0.56116442	0.5089865802
## RLNU_align.H.PET	0.22613297	0.1501537707
## RP_align.H.PET	0.72108462	0.8027451491
## LGRE_align.H.PET	0.39090083	0.6651845690
## HGRE_align.H.PET	0.72429843	0.7519623164
## LGSRE_align.H.PET	0.38915825	0.6635139177
## HGSRE_align.H.PET	0.74460532	0.7876241331
## LGHRE_align.H.PET	0.40138877	0.6735384818
## HGLRE_align.H.PET	0.39678348	0.3546565719
## GLNU_norm_align.H.PET	0.44589220	0.4754362834
## RLNU_norm_align.H.PET	0.67634145	0.7651275621
## GLVAR_align.H.PET	0.60122587	0.6779079587
## RLVAR_align.H.PET	0.29585513	0.2280220388

## Entropy_align.H.PET	0.67594930	0.7278439428
## SZSE.H.PET	0.64327251	0.7208385299
## LZSE.H.PET	0.03585729	-0.0936896844
## LGLZE.H.PET	0.39028139	0.6656462047
## HGLZE.H.PET	0.74948236	0.6564052976
## SZLGE.H.PET	0.38599615	0.6611670735
## SZHGE.H.PET	0.65367332	0.6629781221
## LZLGE.H.PET	0.08649533	0.0070206354
## LZHGE.H.PET	0.02573880	-0.0503725588
## GLNU_area.H.PET	0.23357984	0.1581044418
## ZSNU.H.PET	0.20926918	0.1398046180
## ZSP.H.PET	0.48410789	0.5718950107
## GLNU_norm.H.PET	0.43263812	0.5031024281
## ZSNU_norm.H.PET	0.53619544	0.6211268501
## GLVAR_area.H.PET	0.60439215	0.6396166722
## ZSVAR_H.PET	0.03445187	-0.0682541893
## Entropy_area.H.PET	0.72571482	0.7536351567
## Max_cooc.W.PET	0.30129093	0.4548482717
## Average_cooc.W.PET	0.37620047	0.4393540243
## Variance_cooc.W.PET	0.19704580	0.2286922079
## Entropy_cooc.W.PET	0.63166101	0.6942534173
## DAVE_cooc.W.PET	0.38905531	0.4612963924
## DVAR_cooc.W.PET	0.22113839	0.2514338692
## DENT_cooc.W.PET	0.61791424	0.6917370470
## SAVE_cooc.W.PET	0.37551864	0.4381384419
## SVAR_cooc.W.PET	0.18140537	0.2100851464
## SENT_cooc.W.PET	0.66768687	0.7515477336
## ASM_cooc.W.PET	0.33989893	0.5381422530
## Contrast_cooc.W.PET	0.21992999	0.2561813271
## Dissimilarity_cooc.W.PET	0.38905531	0.4612963924
## Inv_diff_cooc.W.PET	0.62035808	0.6448362093
## Inv_diff_norm_cooc.W.PET	0.77088473	0.8187802708
## IDM_cooc.W.PET	0.52706768	0.5406943082
## IDM_norm_cooc.W.PET	0.76881080	0.8225296506
## Inv_var_cooc.W.PET	0.58032862	0.5977036700
## Correlation_cooc.W.PET	0.50494391	0.5242251675
## Autocorrelation_cooc.W.PET	0.19780870	0.2199774602
## Tendency_cooc.W.PET	0.18140537	0.2100851464
## Shade_cooc.W.PET	0.05396407	0.0618292377
## Prominence_cooc.W.PET	0.03829801	0.0300955281
## IC1_d.W.PET	-0.09306604	0.1102595024
## IC2_d.W.PET	0.65767591	0.6961400143
## Coarseness_vdif.W.PET	0.37071439	0.6000464493
## Contrast_vdif.W.PET	0.31465748	0.4583068719
## Busyness_vdif.W.PET	0.20710758	0.0884033097
## Complexity_vdif.W.PET	0.16437297	0.1562499103
## Strength_vdif.W.PET	0.18070384	0.2441565308
## SRE_align.W.PET	0.75452043	0.8245624490
## LRE_align.W.PET	0.69681715	0.7063242775
## GLNU_align.W.PET	0.25020154	0.1108166624
## RLNU_align.W.PET	0.22614951	0.1455535715
## RP_align.W.PET	0.74922696	0.8217575270
## LGRE_align.W.PET	0.44153901	0.4476111016
## HGRE_align.W.PET	0.20274244	0.2188082444

## LGSRE_align.W.PET	0.46847064	0.4826111427
## HGSRE_align.W.PET	0.19957058	0.2153067314
## LGHRE_align.W.PET	0.32050605	0.2933717858
## HGLRE_align.W.PET	0.21560578	0.2324970303
## GLNU_norm_align.W.PET	0.44569881	0.5160895068
## RLNU_norm_align.W.PET	0.72973895	0.8085959615
## GLVAR_align.W.PET	0.20188330	0.2262670976
## RLVAR_align.W.PET	0.34557925	0.3359777231
## Entropy_align.W.PET	0.67566506	0.7297249735
## SZSE.W.PET	0.71276022	0.7927987755
## LZSE.W.PET	0.13148978	0.1315910178
## LGLZE.W.PET	0.45773549	0.4752012024
## HGLZE.W.PET	0.20393816	0.2217009780
## SZLGE.W.PET	0.51393642	0.5574786203
## SZHGE.W.PET	0.19452606	0.2125164259
## LZLGE.W.PET	0.04524959	-0.0004598834
## LZHGE.W.PET	0.21539917	0.2691416520
## GLNU_area.W.PET	0.24847035	0.1341650204
## ZSNU.W.PET	0.21946811	0.1472190388
## ZSP.W.PET	0.65698731	0.7246005709
## GLNU_norm.W.PET	0.45648913	0.5397085204
## ZSNU_norm.W.PET	0.65239167	0.7336461500
## GLVAR_area.W.PET	0.20449907	0.2301977574
## ZSVAR.W.PET	0.06747757	0.0653784560
## Entropy_area.W.PET	0.71201445	0.7544961590
## Min_hist.ADC	-0.02032138	0.4353479424
## Max_hist.ADC	0.82361871	0.6505088278
## Mean_hist.ADC	0.66872886	0.6800876501
## Variance_hist.ADC	0.83736238	0.1981991161
## Standard_Deviation_hist.ADC	0.94208977	0.4450465190
## Skewness_hist.ADC	0.01855288	0.3254446204
## Kurtosis_hist.ADC	-0.01021823	0.3609547731
## Energy_hist.ADC	0.37796812	0.6628335792
## Entropy_hist.ADC	0.78860658	0.7326677088
## AUC_hist.ADC	0.72904238	0.8373582519
## Volume.ADC	0.24381268	0.1801448329
## X3D_surface.ADC	0.44486071	0.3175651228
## ratio_3ds_vol.ADC	0.47076496	0.5877080271
## ratio_3ds_vol_norm.ADC	0.73982820	0.7359578471
## irregularity.ADC	0.72526370	0.8065662213
## Compactness_v1.ADC	0.54865329	0.8048161429
##	Inv_diff_norm_cooc.W.ADC	IDM_cooc.W.ADC
## Failure	-0.014298045	0.054826538
## Entropy_cooc.W.ADC	0.039222571	-0.048179838
## GLNU_align.H.PET	-0.025868497	-0.008280386
## Min_hist.PET	0.528995445	0.339472733
## Max_hist.PET	0.552383993	0.370612254
## Mean_hist.PET	0.531291144	0.348213250
## Variance_hist.PET	0.266002499	0.168866149
## Standard_Deviation_hist.PET	0.544319490	0.394031443
## Skewness_hist.PET	0.542249970	0.429410022
## Kurtosis_hist.PET	0.163734527	0.126587360
## Energy_hist.PET	0.438292775	0.709173682
## Entropy_hist.PET	0.875630791	0.593758636

## AUC_hist.PET	0.993876669	0.806314938
## H_suv.PET	0.569585695	0.457138460
## Volume.PET	0.343470781	0.145566064
## X3D_surface.PET	0.233295387	0.166926194
## ratio_3ds_vol.PET	0.561255271	0.630171915
## ratio_3ds_vol_norm.PET	0.586655819	0.651057029
## irregularity.PET	0.960904575	0.766397271
## tumor_length.PET	0.615168491	0.511622428
## Compactness_v1.PET	0.551139650	0.753606684
## Compactness_v2.PET	0.234804133	0.027191460
## Spherical_disproportion.PET	0.586655819	0.651057029
## Sphericity.PET	0.235490411	-0.055826673
## Asphericity.PET	0.564861480	0.637852108
## Center_of_mass.PET	0.379748175	0.302163964
## Max_3D_diam.PET	0.470620525	0.186514304
## Major_axis_length.PET	0.510194403	0.266234985
## Minor_axis_length.PET	0.676688021	0.467066456
## Least_axis_length.PET	0.575704298	0.348946613
## Elongation.PET	0.862464166	0.737227336
## Flatness.PET	0.802131595	0.650640570
## Max_cooc.L.PET	0.466696034	0.735186012
## Average_cooc.L.PET	0.798357564	0.652938920
## Variance_cooc.L.PET	0.628934431	0.541045340
## Entropy_cooc.L.PET	0.979239074	0.755473489
## DAVE_cooc.L.PET	0.743718885	0.611806233
## DVAR_cooc.L.PET	0.660562904	0.605266393
## DENT_cooc.L.PET	0.964122953	0.760336942
## SAVE_cooc.L.PET	0.798166713	0.652326722
## SVAR_cooc.L.PET	0.638226500	0.550329065
## SENT_cooc.L.PET	0.970242093	0.802966955
## ASM_cooc.L.PET	0.438440104	0.723244305
## Contrast_cooc.L.PET	0.529439195	0.453295102
## Dissimilarity_cooc.L.PET	0.743718885	0.611806233
## Inv_diff_cooc.L.PET	0.860318758	0.732342093
## Inv_diff_norm_cooc.L.PET	0.993800476	0.785381362
## IDM_cooc.L.PET	0.772623450	0.702487058
## IDM_norm_cooc.L.PET	0.996626842	0.787871970
## Inv_var_cooc.L.PET	0.777825628	0.711057230
## Correlation_cooc.L.PET	0.661845508	0.542367989
## Autocorrelation_cooc.L.PET	0.587541551	0.513536900
## Tendency_cooc.L.PET	0.638226500	0.550329065
## Shade_cooc.L.PET	0.319139397	0.265095317
## Prominence_cooc.L.PET	0.443569696	0.414503881
## IC1_.L.PET	-0.330977336	-0.136241528
## IC2_.L.PET	0.885605980	0.746282879
## Coarseness_vdif_.L.PET	0.466372900	0.695833449
## Contrast_vdif_.L.PET	0.216301673	0.188370519
## Busyness_vdif_.L.PET	0.334279078	0.180066701
## Complexity_vdif_.L.PET	0.705303438	0.602229792
## Strength_vdif_.L.PET	0.276610776	0.275618529
## SRE_align.L.PET	0.996391696	0.793025269
## LRE_align.L.PET	0.991231382	0.774941214
## GLNU_align.L.PET	0.276587821	0.153333256
## RLNU_align.L.PET	0.247465778	0.101764026

## RP_align.L.PET	0.996005393	0.792915860
## LGRE_align.L.PET	0.632539478	0.655511464
## HGRE_align.L.PET	0.609615841	0.523912025
## LGSRE_align.L.PET	0.637198106	0.663801566
## HGSRE_align.L.PET	0.607920573	0.523829740
## LGHRE_align.L.PET	0.610611986	0.620013040
## HGLRE_align.L.PET	0.614712294	0.522375531
## GLNU_norm_align.L.PET	0.678181352	0.800292244
## RLNU_norm_align.L.PET	0.993939497	0.792929099
## GLVAR_align.L.PET	0.657140296	0.562937911
## RLVAR_align.L.PET	0.649213725	0.750422308
## Entropy_align.L.PET	0.982756780	0.761442030
## SZSE.L.PET	0.973729078	0.788112090
## LZSE.L.PET	0.695974896	0.504159106
## LGLZE.L.PET	0.644466111	0.670740707
## HGLZE.L.PET	0.619559729	0.532046579
## SZLGE.L.PET	0.653005388	0.694963598
## SZHGE.L.PET	0.614882159	0.536836645
## LZLGE.L.PET	0.514658818	0.485030452
## LZHGE.L.PET	0.507230623	0.401105704
## GLNU_area.L.PET	0.277578472	0.149847813
## ZSNU.L.PET	0.247889225	0.096951288
## ZSP.L.PET	0.979175233	0.788456082
## GLNU_norm.L.PET	0.678497814	0.802147324
## ZSNU_norm.L.PET	0.979854211	0.784407638
## GLVAR_area.L.PET	0.668414958	0.573869938
## ZSVAR.L.PET	0.462333622	0.393692729
## Entropy_area.L.PET	0.984684554	0.762333116
## Max_cooc.H.PET	0.298070745	0.347486541
## Average_cooc.H.PET	0.968349656	0.757979697
## Variance_cooc.H.PET	0.859464980	0.658902292
## Entropy_cooc.H.PET	0.835026151	0.655374598
## DAVE_cooc.H.PET	0.878641204	0.677579706
## DVAR_cooc.H.PET	0.852684598	0.666402509
## DENT_cooc.H.PET	0.777584887	0.493211894
## SAVE_cooc.H.PET	0.975827811	0.748499057
## SVAR_cooc.H.PET	0.846283282	0.613763363
## SENT_cooc.H.PET	0.695167607	0.700145094
## ASM_cooc.H.PET	0.282855582	0.381355736
## Contrast_cooc.H.PET	0.782745060	0.605571215
## Dissimilarity_cooc.H.PET	0.878641204	0.677579706
## Inv_diff_cooc.H.PET	0.666572989	0.586232062
## Inv_diff_norm_cooc.H.PET	0.993122528	0.792261482
## IDM_cooc.H.PET	0.561538217	0.510504555
## IDM_norm_cooc.H.PET	0.996211739	0.791331532
## Inv_var_cooc_.H.PET	0.594136558	0.765078485
## Correlation_cooc.H.PET	0.669844796	0.549388554
## Autocorrelation_cooc.H.PET	0.908633316	0.720888029
## Tendency_cooc.H.PET	0.824044644	0.628724216
## Shade_cooc.H.PET	-0.412853787	-0.325521992
## Prominence_cooc.H.PET	0.610800198	0.450413870
## IC1_d.H.PET	-0.108931502	0.136709527
## IC2_d.H.PET	0.781963699	0.624810363
## Coarseness_vdif.H.PET	0.430037589	0.717520866

## Contrast_vdif.H.PET	0.271836153	0.264185011
## Busyness_vdif.H.PET	0.139115917	-0.094183533
## Complexity_vdif.H.PET	0.655156772	0.691469865
## Strength_vdif.H.PET	0.014237381	0.063420357
## SRE_align.H.PET	0.972791447	0.771569846
## LRE_align.H.PET	0.632150067	0.491119228
## RLNU_align.H.PET	0.244861778	0.108212018
## RP_align.H.PET	0.960670438	0.761895878
## LGRE_align.H.PET	0.455338282	0.735114047
## HGRE_align.H.PET	0.914255519	0.714633485
## LGSRE_align.H.PET	0.452885916	0.733780538
## HGSRE_align.H.PET	0.961288709	0.744142650
## LGHRE_align.H.PET	0.468486754	0.741781422
## HGLRE_align.H.PET	0.430914462	0.344310967
## GLNU_norm_align.H.PET	0.501280929	0.480641376
## RLNU_norm_align.H.PET	0.911375838	0.722345665
## GLVAR_align.H.PET	0.827151242	0.628085846
## RLVAR_align.H.PET	0.280819765	0.238716177
## Entropy_align.H.PET	0.906094795	0.680100414
## SZSE.H.PET	0.861131899	0.680337801
## LZSE.H.PET	-0.061844245	-0.100910059
## LGLZE.H.PET	0.455972635	0.735248671
## HGLZE.H.PET	0.868262912	0.621992327
## SZLGE.H.PET	0.449568926	0.731903064
## SZHGE.H.PET	0.834650045	0.613845801
## LZLGE.H.PET	0.002037798	0.002632454
## LZHGE.H.PET	-0.054384035	-0.059599835
## GLNU_area.H.PET	0.287944185	0.137312571
## ZSNU.H.PET	0.210015256	0.077458756
## ZSP.H.PET	0.677498905	0.525398160
## GLNU_norm.H.PET	0.513168648	0.509163923
## ZSNU_norm.H.PET	0.730599083	0.567104709
## GLVAR_area.H.PET	0.806639331	0.596629491
## ZSVAR_H.PET	-0.059156080	-0.079434741
## Entropy_area.H.PET	0.952923371	0.722443590
## Max_cooc.W.PET	0.337420669	0.484950350
## Average_cooc.W.PET	0.530824907	0.373124534
## Variance_cooc.W.PET	0.265490650	0.174215996
## Entropy_cooc.W.PET	0.863506455	0.644889053
## DAVE_cooc.W.PET	0.555918358	0.401550760
## DVAR_cooc.W.PET	0.297052521	0.186133802
## DENT_cooc.W.PET	0.847075727	0.641541734
## SAVE_cooc.W.PET	0.530072121	0.371734991
## SVAR_cooc.W.PET	0.241010785	0.161682874
## SENT_cooc.W.PET	0.900497199	0.724083402
## ASM_cooc.W.PET	0.374305964	0.589294166
## Contrast_cooc.W.PET	0.305342195	0.190568892
## Dissimilarity_cooc.W.PET	0.555918358	0.401550760
## Inv_diff_cooc.W.PET	0.746499385	0.641010600
## Inv_diff_norm_cooc.W.PET	0.993896772	0.786015531
## IDM_cooc.W.PET	0.611558641	0.544196073
## IDM_norm_cooc.W.PET	0.996693242	0.788091218
## Inv_var_cooc.W.PET	0.682731642	0.604646359
## Correlation_cooc.W.PET	0.661603225	0.541917715

## Autocorrelation_cooc.W.PET	0.261147387	0.152010652
## Tendency_cooc.W.PET	0.241010785	0.161682874
## Shade_cooc.W.PET	0.049592414	0.047474351
## Prominence_cooc.W.PET	0.015574403	0.008420116
## IC1_d.W.PET	-0.124544181	0.156595494
## IC2_d.W.PET	0.844799604	0.684058825
## Coarseness_vdif.W.PET	0.431980042	0.630772552
## Contrast_vdif.W.PET	0.480671118	0.414535447
## Busyness_vdif.W.PET	0.234533262	0.096703359
## Complexity_vdif.W.PET	0.174630819	0.099985434
## Strength_vdif.W.PET	0.250717063	0.228280237
## SRE_align.W.PET	0.991864319	0.787120060
## LRE_align.W.PET	0.862445279	0.679519612
## GLNU_align.W.PET	0.284846338	0.120304019
## RLNU_align.W.PET	0.246750356	0.108739667
## RP_align.W.PET	0.987665695	0.783436642
## LGRE_align.W.PET	0.487439369	0.458586518
## HGRE_align.W.PET	0.264173741	0.146740944
## LGSRE_align.W.PET	0.524100369	0.495388389
## HGSRE_align.W.PET	0.259723073	0.143247701
## LGHRE_align.W.PET	0.323070121	0.296232837
## HGLRE_align.W.PET	0.281853678	0.160415835
## GLNU_norm_align.W.PET	0.502524645	0.531025629
## RLNU_norm_align.W.PET	0.969556084	0.768648099
## GLVAR_align.W.PET	0.265898845	0.167788179
## RLVAR_align.W.PET	0.354042225	0.352622419
## Entropy_align.W.PET	0.908178079	0.681389909
## SZSE.W.PET	0.943698882	0.755806827
## LZSE.W.PET	0.121797175	0.120495586
## LGLZE.W.PET	0.513504838	0.494223861
## HGLZE.W.PET	0.267764557	0.149943147
## SZLGE.W.PET	0.590401887	0.588166665
## SZHGE.W.PET	0.255034294	0.140622359
## LZLGE.W.PET	-0.009182145	-0.015801094
## LZHGE.W.PET	0.307459463	0.217223147
## GLNU_area.W.PET	0.294108225	0.133495985
## ZSNU.W.PET	0.231939088	0.098668764
## ZSP.W.PET	0.874906612	0.682244007
## GLNU_norm.W.PET	0.521795809	0.555589196
## ZSNU_norm.W.PET	0.870666744	0.683711077
## GLVAR_area.W.PET	0.270062230	0.173192050
## ZSVAR.W.PET	0.034989929	0.059093562
## Entropy_area.W.PET	0.945069892	0.713673617
## Min_hist.ADC	0.300655223	0.430041987
## Max_hist.ADC	0.895763756	0.628054631
## Mean_hist.ADC	0.863650914	0.694612566
## Variance_hist.ADC	0.453879835	0.160047041
## Standard_Deviation_hist.ADC	0.728408039	0.395414605
## Skewness_hist.ADC	0.236180021	0.281638187
## Kurtosis_hist.ADC	0.303769257	0.444915493
## Energy_hist.ADC	0.446696047	0.735262107
## Entropy_hist.ADC	0.961647854	0.699161769
## AUC_hist.ADC	0.979568934	0.795857031
## Volume.ADC	0.332357545	0.134484954

## X3D_surface.ADC	0.463694788	0.292377348
## ratio_3ds_vol.ADC	0.614267510	0.572038760
## ratio_3ds_vol_norm.ADC	0.944601059	0.713207199
## irregularity.ADC	0.945886413	0.762710688
## Compactness_v1.ADC	0.684918617	0.841270593
##	IDM_norm_cooc.W.ADC	Inv_var_cooc.W.ADC
## Failure	-0.006267786	0.062819228
## Entropy_cooc.W.ADC	0.031834566	-0.059084607
## GLNU_align.H.PET	-0.034994135	-0.016331760
## Min_hist.PET	0.531354468	0.335786976
## Max_hist.PET	0.550153155	0.365335864
## Mean_hist.PET	0.532431207	0.344209041
## Variance_hist.PET	0.265370358	0.164555778
## Standard_Deviation_hist.PET	0.542313883	0.389722162
## Skewness_hist.PET	0.539507771	0.421776635
## Kurtosis_hist.PET	0.157253308	0.120827163
## Energy_hist.PET	0.444070756	0.697066971
## Entropy_hist.PET	0.873911646	0.584758228
## AUC_hist.PET	0.995411124	0.801954480
## H_suv.PET	0.566947980	0.455629884
## Volume.PET	0.333975351	0.140450181
## X3D_surface.PET	0.227488629	0.160109743
## ratio_3ds_vol.PET	0.569165514	0.628060834
## ratio_3ds_vol_norm.PET	0.585867663	0.643539166
## irregularity.PET	0.966052630	0.764031200
## tumor_length.PET	0.608652793	0.504444938
## Compactness_v1.PET	0.553552918	0.738244424
## Compactness_v2.PET	0.233009476	0.026372640
## Spherical_disproportion.PET	0.585867663	0.643539166
## Sphericity.PET	0.232936490	-0.053869018
## Asphericity.PET	0.563994300	0.630271116
## Center_of_mass.PET	0.374973697	0.294040901
## Max_3D_diam.PET	0.465700099	0.182106514
## Major_axis_length.PET	0.508149960	0.258765847
## Minor_axis_length.PET	0.667310839	0.461146093
## Least_axis_length.PET	0.566139519	0.345227930
## Elongation.PET	0.861005027	0.736322113
## Flatness.PET	0.799317063	0.652684617
## Max_cooc.L.PET	0.470476487	0.721365623
## Average_cooc.L.PET	0.806846821	0.657301420
## Variance_cooc.L.PET	0.639970212	0.548241510
## Entropy_cooc.L.PET	0.980447464	0.753384950
## DAVE_cooc.L.PET	0.752456848	0.617960908
## DVAR_cooc.L.PET	0.666680456	0.611426188
## DENT_cooc.L.PET	0.968383559	0.760601680
## SAVE_cooc.L.PET	0.806655426	0.656708891
## SVAR_cooc.L.PET	0.648918737	0.556230260
## SENT_cooc.L.PET	0.974169865	0.801315617
## ASM_cooc.L.PET	0.441724903	0.708879599
## Contrast_cooc.L.PET	0.539534992	0.461584382
## Dissimilarity_cooc.L.PET	0.752456848	0.617960908
## Inv_diff_cooc.L.PET	0.857288174	0.721600417
## Inv_diff_norm_cooc.L.PET	0.994784257	0.780960342
## IDM_cooc.L.PET	0.768807161	0.689957749

## IDM_norm_cooc.L.PET	0.998104569	0.784091191
## Inv_var_cooc.L.PET	0.773518848	0.697908687
## Correlation_cooc.L.PET	0.660431810	0.532308741
## Autocorrelation_cooc.L.PET	0.598361400	0.520622876
## Tendency_cooc.L.PET	0.648918737	0.556230260
## Shade_cooc.L.PET	0.322561589	0.261929555
## Prominence_cooc.L.PET	0.454927021	0.421001201
## IC1_.L.PET	-0.347054141	-0.148308098
## IC2_.L.PET	0.895027987	0.745192099
## Coarseness_vdif_.L.PET	0.475974215	0.687282230
## Contrast_vdif_.L.PET	0.226526459	0.196379323
## Busyness_vdif_.L.PET	0.322678100	0.175682886
## Complexity_vdif_.L.PET	0.712748871	0.607156859
## Strength_vdif_.L.PET	0.289762347	0.279570108
## SRE_align.L.PET	0.998817694	0.790169900
## LRE_align.L.PET	0.992235188	0.771309039
## GLNU_align.L.PET	0.266651734	0.148649914
## RLNU_align.L.PET	0.239497839	0.096495208
## RP_align.L.PET	0.998535513	0.790149521
## LGRE_align.L.PET	0.632545956	0.646641058
## HGRE_align.L.PET	0.620088690	0.530981967
## LGSRE_align.L.PET	0.637325068	0.654863589
## HGSRE_align.L.PET	0.618484645	0.530905408
## LGHRE_align.L.PET	0.610147373	0.611359478
## HGLRE_align.L.PET	0.624759311	0.529384549
## GLNU_norm_align.L.PET	0.680443131	0.787829064
## RLNU_norm_align.L.PET	0.996808037	0.790436718
## GLVAR_align.L.PET	0.667497634	0.570420888
## RLVAR_align.L.PET	0.647039786	0.735636659
## Entropy_align.L.PET	0.984604577	0.759527155
## SZSE.L.PET	0.976523089	0.784637644
## LZSE.L.PET	0.694247851	0.503098929
## LGLZE.L.PET	0.644345365	0.661672995
## HGLZE.L.PET	0.629881828	0.538921374
## SZLGE.L.PET	0.653363654	0.685168786
## SZHGE.L.PET	0.625115725	0.542849554
## LZLGE.L.PET	0.512416421	0.478284455
## LZHGE.L.PET	0.515332335	0.409221108
## GLNU_area.L.PET	0.267934393	0.144856208
## ZSNU.L.PET	0.240308114	0.091522869
## ZSP.L.PET	0.982518229	0.785227985
## GLNU_norm.L.PET	0.680754003	0.789403146
## ZSNU_norm.L.PET	0.983838520	0.781319529
## GLVAR_area.L.PET	0.678597238	0.580941965
## ZSVAR.L.PET	0.455490144	0.389162534
## Entropy_area.L.PET	0.985761742	0.760355652
## Max_cooc.H.PET	0.305962078	0.343855993
## Average_cooc.H.PET	0.972355494	0.756485210
## Variance_cooc.H.PET	0.859025636	0.658116182
## Entropy_cooc.H.PET	0.836556953	0.658521587
## DAVE_cooc.H.PET	0.879889521	0.679630659
## DVAR_cooc.H.PET	0.854866552	0.669411583
## DENT_cooc.H.PET	0.776177727	0.481831857
## SAVE_cooc.H.PET	0.979029049	0.745584898

## SVAR_cooc.H.PET	0.846276770	0.605314287
## SENT_cooc.H.PET	0.695504408	0.695261856
## ASM_cooc.H.PET	0.290934526	0.377755348
## Contrast_cooc.H.PET	0.784551692	0.610060058
## Dissimilarity_cooc.H.PET	0.879889521	0.679630659
## Inv_diff_cooc.H.PET	0.672127852	0.581769003
## Inv_diff_norm_cooc.H.PET	0.995457028	0.788433445
## IDM_cooc.H.PET	0.567484720	0.506527886
## IDM_norm_cooc.H.PET	0.998354539	0.787762927
## Inv_var_cooc_.H.PET	0.595481366	0.748919717
## Correlation_cooc.H.PET	0.668291984	0.538479118
## Autocorrelation_cooc.H.PET	0.913982061	0.719608799
## Tendency_cooc.H.PET	0.822430822	0.625161152
## Shade_cooc.H.PET	-0.415154031	-0.327056990
## Prominence_cooc.H.PET	0.607856557	0.446322955
## IC1_d.H.PET	-0.110116466	0.133442815
## IC2_d.H.PET	0.782611771	0.617067538
## Coarseness_vdif.H.PET	0.434358647	0.704224333
## Contrast_vdif.H.PET	0.282986015	0.271532824
## Busyness_vdif.H.PET	0.128184344	-0.089766255
## Complexity_vdif.H.PET	0.660311704	0.691928801
## Strength_vdif.H.PET	0.020184354	0.069379258
## SRE_align.H.PET	0.973991643	0.768681354
## LRE_align.H.PET	0.636499612	0.488450591
## RLNU_align.H.PET	0.237972585	0.102505291
## RP_align.H.PET	0.962056530	0.759186840
## LGRE_align.H.PET	0.458880523	0.720117620
## HGRE_align.H.PET	0.919334380	0.712986688
## LGSRE_align.H.PET	0.456441135	0.718803439
## HGSRE_align.H.PET	0.965253438	0.742078431
## LGHRE_align.H.PET	0.471948517	0.726658393
## HGLRE_align.H.PET	0.435767311	0.343936778
## GLNU_norm_align.H.PET	0.509240598	0.478895215
## RLNU_norm_align.H.PET	0.912213863	0.719883484
## GLVAR_align.H.PET	0.826160416	0.626927217
## RLVAR_align.H.PET	0.283060982	0.235401518
## Entropy_align.H.PET	0.904472622	0.675512144
## SZSE.H.PET	0.859962762	0.674443391
## LZSE.H.PET	-0.060290446	-0.103950888
## LGLZE.H.PET	0.459555954	0.720246730
## HGLZE.H.PET	0.869848281	0.615778446
## SZLGE.H.PET	0.453162628	0.716880887
## SZHGE.H.PET	0.834956418	0.607886788
## LZLGE.H.PET	0.003742978	-0.003664214
## LZHGE.H.PET	-0.052085541	-0.060817866
## GLNU_area.H.PET	0.277577815	0.133627781
## ZSNU.H.PET	0.205972536	0.070788606
## ZSP.H.PET	0.676243476	0.521166379
## GLNU_norm.H.PET	0.521490420	0.509445952
## ZSNU_norm.H.PET	0.729326275	0.561179259
## GLVAR_area.H.PET	0.805417686	0.594649194
## ZSVAR_H.PET	-0.057462318	-0.082869543
## Entropy_area.H.PET	0.951097821	0.718447846
## Max_cooc.W.PET	0.344969142	0.478345536

## Average_cooc.W.PET	0.530177212	0.369053293
## Variance_cooc.W.PET	0.265011995	0.170194382
## Entropy_cooc.W.PET	0.861798877	0.641452962
## DAVE_cooc.W.PET	0.555457935	0.400401638
## DVAR_cooc.W.PET	0.297617174	0.184702984
## DENT_cooc.W.PET	0.845937099	0.638860685
## SAVE_cooc.W.PET	0.529417518	0.367692646
## SVAR_cooc.W.PET	0.239971619	0.156521201
## SENT_cooc.W.PET	0.899821639	0.719814667
## ASM_cooc.W.PET	0.381244141	0.580335333
## Contrast_cooc.W.PET	0.306369741	0.189909808
## Dissimilarity_cooc.W.PET	0.555457935	0.400401638
## Inv_diff_cooc.W.PET	0.751679669	0.637515087
## Inv_diff_norm_cooc.W.PET	0.995010947	0.781682474
## IDM_cooc.W.PET	0.617463641	0.540835681
## IDM_norm_cooc.W.PET	0.998215873	0.784356002
## Inv_var_cooc.W.PET	0.687972801	0.600902377
## Correlation_cooc.W.PET	0.660000000	0.531649251
## Autocorrelation_cooc.W.PET	0.261693055	0.146525913
## Tendency_cooc.W.PET	0.239971619	0.156521201
## Shade_cooc.W.PET	0.047736835	0.044953324
## Prominence_cooc.W.PET	0.014777443	0.006060687
## IC1_d.W.PET	-0.127079399	0.150346354
## IC2_d.W.PET	0.847605734	0.678739306
## Coarseness_vdif.W.PET	0.443683937	0.625391902
## Contrast_vdif.W.PET	0.484651348	0.417087463
## Busyness_vdif.W.PET	0.233065190	0.100250553
## Complexity_vdif.W.PET	0.173631602	0.097135753
## Strength_vdif.W.PET	0.253058178	0.228832763
## SRE_align.W.PET	0.993522425	0.784130943
## LRE_align.W.PET	0.866037718	0.676712832
## GLNU_align.W.PET	0.273446840	0.117076040
## RLNU_align.W.PET	0.239264969	0.103249453
## RP_align.W.PET	0.989309752	0.780533251
## LGRE_align.W.PET	0.493852572	0.456260329
## HGRE_align.W.PET	0.264513131	0.141613508
## LGSRE_align.W.PET	0.530273796	0.493055575
## HGSRE_align.W.PET	0.260155396	0.138162102
## LGHRE_align.W.PET	0.329704143	0.293888789
## HGLRE_align.W.PET	0.281776295	0.155159359
## GLNU_norm_align.W.PET	0.510573545	0.527403983
## RLNU_norm_align.W.PET	0.970739099	0.765854903
## GLVAR_align.W.PET	0.265213885	0.163486169
## RLVAR_align.W.PET	0.357616769	0.347986717
## Entropy_align.W.PET	0.906695717	0.677363578
## SZSE.W.PET	0.944378941	0.751406355
## LZSE.W.PET	0.125563024	0.122309243
## LGLZE.W.PET	0.519088243	0.491611120
## HGLZE.W.PET	0.268074081	0.144833010
## SZLGE.W.PET	0.594766722	0.583563024
## SZHGE.W.PET	0.255711453	0.135590725
## LZLGE.W.PET	-0.004489439	-0.015858439
## LZHGE.W.PET	0.305174701	0.215197336
## GLNU_area.W.PET	0.282906124	0.129973700

## ZSNU.W.PET	0.226028635	0.092632633
## ZSP.W.PET	0.874847346	0.677879011
## GLNU_norm.W.PET	0.530209518	0.551875249
## ZSNU_norm.W.PET	0.870651879	0.679292243
## GLVAR_area.W.PET	0.269209703	0.168826609
## ZSVAR.W.PET	0.037774815	0.060206457
## Entropy_area.W.PET	0.943693043	0.709929494
## Min_hist.ADC	0.321001470	0.440963385
## Max_hist.ADC	0.886534048	0.619292120
## Mean_hist.ADC	0.866086212	0.698080203
## Variance_hist.ADC	0.450528484	0.141262166
## Standard_Deviation_hist.ADC	0.726465742	0.380034534
## Skewness_hist.ADC	0.231329433	0.281071272
## Kurtosis_hist.ADC	0.283879966	0.450754651
## Energy_hist.ADC	0.452677715	0.723218702
## Entropy_hist.ADC	0.956305229	0.690693963
## AUC_hist.ADC	0.978052749	0.792892598
## Volume.ADC	0.322077692	0.129064992
## X3D_surface.ADC	0.440523839	0.278886808
## ratio_3ds_vol.ADC	0.638441807	0.581626091
## ratio_3ds_vol_norm.ADC	0.941748888	0.708846015
## irregularity.ADC	0.955121717	0.764778933
## Compactness_v1.ADC	0.690515173	0.830400013
##	Correlation_cooc.W.ADC	Autocorrelation_cooc.W.ADC
## Failure	-0.033057297	-0.214557559
## Entropy_cooc.W.ADC	0.097051887	0.195490286
## GLNU_align.H.PET	0.073566446	0.097347798
## Min_hist.PET	0.310658551	0.231350750
## Max_hist.PET	0.379555330	0.269814468
## Mean_hist.PET	0.318006874	0.211024684
## Variance_hist.PET	0.152699898	0.056655845
## Standard_Deviation_hist.PET	0.357247893	0.234311795
## Skewness_hist.PET	0.462598836	0.487669163
## Kurtosis_hist.PET	0.257866216	0.282486674
## Energy_hist.PET	0.292986274	0.157581998
## Entropy_hist.PET	0.716497206	0.576700184
## AUC_hist.PET	0.728584407	0.500648716
## H_suv.PET	0.379493400	0.256831300
## Volume.PET	0.404902653	0.161636101
## X3D_surface.PET	0.267104442	0.219669207
## ratio_3ds_vol.PET	0.295174356	0.256575802
## ratio_3ds_vol_norm.PET	0.406596189	0.309415700
## irregularity.PET	0.670222641	0.475576815
## tumor_length.PET	0.542868698	0.392388039
## Compactness_v1.PET	0.418161830	0.209019282
## Compactness_v2.PET	0.186408865	0.072722984
## Spherical_disproportion.PET	0.406596189	0.309415700
## Sphericity.PET	0.215527669	0.106248316
## Asphericity.PET	0.390702642	0.298941367
## Center_of_mass.PET	0.383589124	0.263329266
## Max_3D_diam.PET	0.420166934	0.269240116
## Major_axis_length.PET	0.422536849	0.257680274
## Minor_axis_length.PET	0.594315611	0.403538899
## Least_axis_length.PET	0.538193319	0.326254585

## Elongation.PET	0.598959803	0.452741302
## Flatness.PET	0.609551510	0.382533002
## Max_cooc.L.PET	0.342638967	0.183474396
## Average_cooc.L.PET	0.498110921	0.229755858
## Variance_cooc.L.PET	0.359469655	0.167817937
## Entropy_cooc.L.PET	0.698674142	0.460540434
## DAVE_cooc.L.PET	0.436051381	0.279414496
## DVAR_cooc.L.PET	0.364171408	0.246792145
## DENT_cooc.L.PET	0.658095521	0.442739470
## SAVE_cooc.L.PET	0.497938640	0.229656122
## SVAR_cooc.L.PET	0.393731891	0.147616203
## SENT_cooc.L.PET	0.668030052	0.445392202
## ASM_cooc.L.PET	0.321028555	0.171580516
## Contrast_cooc.L.PET	0.256602814	0.177277125
## Dissimilarity_cooc.L.PET	0.436051381	0.279414496
## Inv_diff_cooc.L.PET	0.692302726	0.501896951
## Inv_diff_norm_cooc.L.PET	0.729222317	0.504945758
## IDM_cooc.L.PET	0.643495167	0.473602332
## IDM_norm_cooc.L.PET	0.724516964	0.498231723
## Inv_var_cooc.L.PET	0.653944461	0.482081881
## Correlation_cooc.L.PET	0.552461800	0.308852373
## Autocorrelation_cooc.L.PET	0.339588203	0.065047060
## Tendency_cooc.L.PET	0.393731891	0.147616203
## Shade_cooc.L.PET	0.230551836	0.194314848
## Prominence_cooc.L.PET	0.261578024	0.073489512
## IC1_.L.PET	-0.084217421	-0.060834531
## IC2_.L.PET	0.549603555	0.383660349
## Coarseness_vdif_.L.PET	0.277852166	0.130573485
## Contrast_vdif_.L.PET	0.042572020	0.077435208
## Busyness_vdif_.L.PET	0.413054018	0.294745353
## Complexity_vdif_.L.PET	0.401869011	0.327506274
## Strength_vdif_.L.PET	0.106492305	0.076867454
## SRE_align.L.PET	0.712711524	0.486248100
## LRE_align.L.PET	0.720394079	0.507718181
## GLNU_align.L.PET	0.327300812	0.231633306
## RLNU_align.L.PET	0.275351928	0.185740896
## RP_align.L.PET	0.710672105	0.485379533
## LGRE_align.L.PET	0.509573926	0.425239056
## HGRE_align.L.PET	0.336985684	0.089517296
## LGSRE_align.L.PET	0.510608563	0.423991201
## HGSRE_align.L.PET	0.335002489	0.088445905
## LGHRE_align.L.PET	0.501609488	0.426740604
## HGLRE_align.L.PET	0.343584548	0.094369856
## GLNU_norm_align.L.PET	0.527121468	0.364890885
## RLNU_norm_align.L.PET	0.703495860	0.480999668
## GLVAR_align.L.PET	0.381340186	0.167751767
## RLVAR_align.L.PET	0.530492115	0.349042332
## Entropy_align.L.PET	0.694740207	0.454343547
## SZSE.L.PET	0.710240924	0.454246235
## LZSE.L.PET	0.477227154	0.433107024
## LGLZE.L.PET	0.513805514	0.428307955
## HGLZE.L.PET	0.343891867	0.097261872
## SZLGE.L.PET	0.515574930	0.412765435
## SZHGE.L.PET	0.353830065	0.090588385

## LZLGE.L.PET	0.441317636	0.421001235
## LZHGE.L.PET	0.235733792	0.103811887
## GLNU_area.L.PET	0.330564827	0.227542061
## ZSNU.L.PET	0.279620078	0.178854624
## ZSP.L.PET	0.703153527	0.457747295
## GLNU_norm.L.PET	0.526603312	0.364401679
## ZSNU_norm.L.PET	0.687848316	0.459541512
## GLVAR_area.L.PET	0.386208327	0.172994050
## ZSVAR.L.PET	0.389433903	0.340971352
## Entropy_area.L.PET	0.703290575	0.463441903
## Max_cooc.H.PET	0.239228548	0.096268347
## Average_cooc.H.PET	0.704964628	0.473457756
## Variance_cooc.H.PET	0.580037145	0.386501404
## Entropy_cooc.H.PET	0.555922403	0.344013990
## DAVE_cooc.H.PET	0.581548739	0.434598879
## DVAR_cooc.H.PET	0.570920254	0.381201721
## DENT_cooc.H.PET	0.601355559	0.547779323
## SAVE_cooc.H.PET	0.724452327	0.510658037
## SVAR_cooc.H.PET	0.638064116	0.463465826
## SENT_cooc.H.PET	0.439766694	0.348204989
## ASM_cooc.H.PET	0.228803938	0.052813865
## Contrast_cooc.H.PET	0.494932891	0.368502850
## Dissimilarity_cooc.H.PET	0.581548739	0.434598879
## Inv_diff_cooc.H.PET	0.522748248	0.298899065
## Inv_diff_norm_cooc.H.PET	0.721565883	0.487812578
## IDM_cooc.H.PET	0.449064965	0.244972517
## IDM_norm_cooc.H.PET	0.720428072	0.491786621
## Inv_var_cooc_.H.PET	0.414790231	0.290062546
## Correlation_cooc.H.PET	0.540121602	0.291763136
## Autocorrelation_cooc.H.PET	0.673223508	0.430542951
## Tendency_cooc.H.PET	0.574132058	0.361663552
## Shade_cooc.H.PET	-0.253375755	-0.126278119
## Prominence_cooc.H.PET	0.410635031	0.247299444
## IC1_d.H.PET	-0.099043372	-0.066191712
## IC2_d.H.PET	0.593517424	0.380010210
## Coarseness_vdif.H.PET	0.303095400	0.155662660
## Contrast_vdif.H.PET	0.140203053	-0.017122990
## Busyness_vdif.H.PET	0.290429278	0.168676134
## Complexity_vdif.H.PET	0.369882907	0.324539554
## Strength_vdif.H.PET	-0.004676370	-0.084965336
## SRE_align.H.PET	0.682649542	0.485164585
## LRE_align.H.PET	0.505984407	0.321616264
## RLNU_align.H.PET	0.258306209	0.153922468
## RP_align.H.PET	0.667520526	0.475757067
## LGRE_align.H.PET	0.327251581	0.157973329
## HGRE_align.H.PET	0.667700644	0.437105200
## LGSRE_align.H.PET	0.325437311	0.156925683
## HGSRE_align.H.PET	0.681406666	0.480417307
## LGHRE_align.H.PET	0.337465052	0.165020172
## HGLRE_align.H.PET	0.360263156	0.188233938
## GLNU_norm_align.H.PET	0.392487697	0.207626290
## RLNU_norm_align.H.PET	0.619833844	0.455956094
## GLVAR_align.H.PET	0.563397153	0.378559862
## RLVAR_align.H.PET	0.268878424	0.160551270

## Entropy_align.H.PET	0.648297259	0.446180830
## SZSE.H.PET	0.616191083	0.454177797
## LZSE.H.PET	0.001324676	0.025880612
## LGLZE.H.PET	0.328207739	0.155515920
## HGLZE.H.PET	0.706413210	0.568517717
## SZLGE.H.PET	0.324863329	0.153342569
## SZHGE.H.PET	0.612869636	0.507438473
## LZLGE.H.PET	0.036056083	0.039796748
## LZHGE.H.PET	-0.002444045	-0.009972258
## GLNU_area.H.PET	0.350751105	0.237916868
## ZSNU.H.PET	0.204445706	0.089379802
## ZSP.H.PET	0.463235151	0.353737122
## GLNU_norm.H.PET	0.381526184	0.175266099
## ZSNU_norm.H.PET	0.494958285	0.393211797
## GLVAR_area.H.PET	0.552970459	0.383258957
## ZSVAR_H.PET	-0.002087253	0.010825942
## Entropy_area.H.PET	0.704893178	0.485873619
## Max_cooc.W.PET	0.252056723	0.088175638
## Average_cooc.W.PET	0.336816197	0.182302509
## Variance_cooc.W.PET	0.158464510	0.065840076
## Entropy_cooc.W.PET	0.600517724	0.430041279
## DAVE_cooc.W.PET	0.339607557	0.246678148
## DVAR_cooc.W.PET	0.155116407	0.094422151
## DENT_cooc.W.PET	0.581207952	0.431943650
## SAVE_cooc.W.PET	0.336259032	0.182017591
## SVAR_cooc.W.PET	0.156409304	0.053018127
## SENT_cooc.W.PET	0.627014309	0.455417764
## ASM_cooc.W.PET	0.283537467	0.095541070
## Contrast_cooc.W.PET	0.149305586	0.093332520
## Dissimilarity_cooc.W.PET	0.339607557	0.246678148
## Inv_diff_cooc.W.PET	0.573422962	0.349161036
## Inv_diff_norm_cooc.W.PET	0.728287927	0.503817925
## IDM_cooc.W.PET	0.481359137	0.271567531
## IDM_norm_cooc.W.PET	0.723790526	0.498264812
## Inv_var_cooc.W.PET	0.529463228	0.320204324
## Correlation_cooc.W.PET	0.553828474	0.310606331
## Autocorrelation_cooc.W.PET	0.137288288	0.011560414
## Tendency_cooc.W.PET	0.156409304	0.053018127
## Shade_cooc.W.PET	0.054542892	0.020390386
## Prominence_cooc.W.PET	0.012023374	-0.024717581
## IC1_d.W.PET	-0.091444969	-0.086353968
## IC2_d.W.PET	0.608474476	0.423451007
## Coarseness_vdif.W.PET	0.229234394	0.098484840
## Contrast_vdif.W.PET	0.253948379	0.167038880
## Busyness_vdif.W.PET	0.324299975	0.146523736
## Complexity_vdif.W.PET	0.106872968	0.032332265
## Strength_vdif.W.PET	0.213681071	0.169051100
## SRE_align.W.PET	0.704851372	0.492195513
## LRE_align.W.PET	0.647047547	0.419494788
## GLNU_align.W.PET	0.372417019	0.299423770
## RLNU_align.W.PET	0.266815133	0.169881734
## RP_align.W.PET	0.698386752	0.489807028
## LGRE_align.W.PET	0.389617300	0.257683395
## HGRE_align.W.PET	0.130242015	0.018830176

## LGSRE_align.W.PET	0.413036644	0.283877248
## HGSRE_align.W.PET	0.125945263	0.016689750
## LGHRE_align.W.PET	0.282654257	0.154785470
## HGLRE_align.W.PET	0.146991706	0.028443291
## GLNU_norm_align.W.PET	0.390401845	0.202161518
## RLNU_norm_align.W.PET	0.676761809	0.485784476
## GLVAR_align.W.PET	0.152563788	0.057683457
## RLVAR_align.W.PET	0.313745681	0.162280548
## Entropy_align.W.PET	0.644095638	0.447285090
## SZSE.W.PET	0.678935625	0.473270037
## LZSE.W.PET	0.095528043	0.033664056
## LGLZE.W.PET	0.401893302	0.263726172
## HGLZE.W.PET	0.134414509	0.023711147
## SZLGE.W.PET	0.450215626	0.323423161
## SZHGE.W.PET	0.127796960	0.016991386
## LZLGE.W.PET	0.035845190	-0.018767974
## LZHGE.W.PET	0.137512022	0.067296701
## GLNU_area.W.PET	0.375630722	0.279972349
## ZSNU.W.PET	0.243004601	0.133920002
## ZSP.W.PET	0.618905008	0.453793800
## GLNU_norm.W.PET	0.393004717	0.194681870
## ZSNU_norm.W.PET	0.597328291	0.463884950
## GLVAR_area.W.PET	0.155084767	0.064343179
## ZSVAR.W.PET	0.039560011	0.001449460
## Entropy_area.W.PET	0.685221800	0.469138753
## Min_hist.ADC	0.066912519	-0.317648842
## Max_hist.ADC	0.810880285	0.661581818
## Mean_hist.ADC	0.625377798	0.594588966
## Variance_hist.ADC	0.640212499	0.655881234
## Standard_Deviation_hist.ADC	0.771664033	0.708621777
## Skewness_hist.ADC	0.237535412	-0.386745487
## Kurtosis_hist.ADC	-0.003794491	0.132165397
## Energy_hist.ADC	0.296458633	0.133274045
## Entropy_hist.ADC	0.784352271	0.588679281
## AUC_hist.ADC	0.750707657	0.430835425
## Volume.ADC	0.403499743	0.174736112
## X3D_surface.ADC	0.639223122	0.446202270
## ratio_3ds_vol.ADC	0.227395042	0.122359186
## ratio_3ds_vol_norm.ADC	0.733968817	0.530124180
## irregularity.ADC	0.609007520	0.382960864
## Compactness_v1.ADC	0.474060015	0.262684467
##	Tendency_cooc.W.ADC	Shade_cooc.W.ADC
## Failure	-0.099681554	0.021987342
## Entropy_cooc.W.ADC	0.275563997	0.181108223
## GLNU_align.H.PET	0.160075652	0.029857279
## Min_hist.PET	0.162440509	0.156097701
## Max_hist.PET	0.224308859	0.219705288
## Mean_hist.PET	0.154730195	0.184454287
## Variance_hist.PET	0.070627831	0.190536239
## Standard_Deviation_hist.PET	0.166361167	0.202135090
## Skewness_hist.PET	0.406403137	0.087470951
## Kurtosis_hist.PET	0.355095080	0.132173392
## Energy_hist.PET	0.200877248	0.089597685
## Entropy_hist.PET	0.530534424	0.232688904

## AUC_hist.PET	0.424126379	0.170146123
## H_suv.PET	0.178865601	0.238381574
## Volume.PET	0.289564964	0.288716446
## X3D_surface.PET	0.296251035	0.082241574
## ratio_3ds_vol.PET	0.149876269	0.028866080
## ratio_3ds_vol_norm.PET	0.292254479	0.148786334
## irregularity.PET	0.374163023	0.112140562
## tumor_length.PET	0.419729642	0.153727890
## Compactness_v1.PET	0.278162050	0.133072124
## Compactness_v2.PET	0.076495137	-0.003505935
## Spherical_disproportion.PET	0.292254479	0.148786334
## Sphericity.PET	0.089940628	0.025872268
## Asphericity.PET	0.284512512	0.146581640
## Center_of_mass.PET	0.331209776	0.113686509
## Max_3D_diam.PET	0.292358133	0.190581261
## Major_axis_length.PET	0.338225221	0.218907917
## Minor_axis_length.PET	0.401646660	0.221423310
## Least_axis_length.PET	0.341508309	0.221985462
## Elongation.PET	0.294398738	0.061583317
## Flatness.PET	0.258116261	0.092450587
## Max_cooc.L.PET	0.248290177	0.121612055
## Average_cooc.L.PET	0.169641289	0.065429931
## Variance_cooc.L.PET	0.071044307	-0.059452259
## Entropy_cooc.L.PET	0.370708842	0.147862013
## DAVE_cooc.L.PET	0.154463876	-0.002831296
## DVAR_cooc.L.PET	0.121934089	-0.037961458
## DENT_cooc.L.PET	0.333234983	0.109818780
## SAVE_cooc.L.PET	0.169436079	0.065315134
## SVAR_cooc.L.PET	0.080766886	-0.046676211
## SENT_cooc.L.PET	0.343900115	0.144221954
## ASM_cooc.L.PET	0.235285819	0.117814859
## Contrast_cooc.L.PET	0.045976463	-0.071780993
## Dissimilarity_cooc.L.PET	0.154463876	-0.002831296
## Inv_diff_cooc.L.PET	0.479388915	0.212585924
## Inv_diff_norm_cooc.L.PET	0.427113491	0.171667429
## IDM_cooc.L.PET	0.473797880	0.210190523
## IDM_norm_cooc.L.PET	0.416692998	0.164707406
## Inv_var_cooc.L.PET	0.481894695	0.219868907
## Correlation_cooc.L.PET	0.322356891	0.145338510
## Autocorrelation_cooc.L.PET	0.049140868	0.017126513
## Tendency_cooc.L.PET	0.080766886	-0.046676211
## Shade_cooc.L.PET	0.093812461	-0.060600512
## Prominence_cooc.L.PET	0.007779065	-0.092801249
## IC1_.L.PET	0.058283537	0.147646220
## IC2_.L.PET	0.276547327	0.037618936
## Coarseness_vdif_.L.PET	0.159896793	0.052971198
## Contrast_vdif_.L.PET	-0.031582110	-0.077781849
## Busyness_vdif_.L.PET	0.344327680	0.214458397
## Complexity_vdif_.L.PET	0.177812413	0.012345081
## Strength_vdif_.L.PET	-0.001881482	-0.085763794
## SRE_align.L.PET	0.399007057	0.150668702
## LRE_align.L.PET	0.418721411	0.162004381
## GLNU_align.L.PET	0.288716801	0.162534569
## RLNU_align.L.PET	0.243977498	0.155819501

## RP_align.L.PET	0.396837574	0.149248961
## LGRE_align.L.PET	0.392455006	0.113569121
## HGRE_align.L.PET	0.055198620	0.024614855
## LGSRE_align.L.PET	0.391544041	0.114918327
## HGSRE_align.L.PET	0.053933387	0.022222469
## LGHRE_align.L.PET	0.393198042	0.107329709
## HGLRE_align.L.PET	0.060245152	0.033970854
## GLNU_norm_align.L.PET	0.383637196	0.149019608
## RLNU_norm_align.L.PET	0.389046638	0.144304929
## GLVAR_align.L.PET	0.081625075	-0.032604407
## RLVAR_align.L.PET	0.388670071	0.188267464
## Entropy_align.L.PET	0.366391216	0.148957732
## SZSE.L.PET	0.395297348	0.151714871
## LZSE.L.PET	0.296682586	0.114608679
## LGLZE.L.PET	0.392607629	0.111639846
## HGLZE.L.PET	0.056654962	0.023678116
## SZLGE.L.PET	0.386961720	0.112470718
## SZHGE.L.PET	0.064127243	0.024096838
## LZLGE.L.PET	0.383143094	0.105497857
## LZHGE.L.PET	0.017790028	0.023093158
## GLNU_area.L.PET	0.291281524	0.164733429
## ZSNU.L.PET	0.245252787	0.157686464
## ZSP.L.PET	0.388344802	0.144097717
## GLNU_norm.L.PET	0.383643969	0.148304646
## ZSNU_norm.L.PET	0.375735568	0.133738080
## GLVAR_area.L.PET	0.084008573	-0.029937659
## ZSVAR.L.PET	0.297522874	0.156797583
## Entropy_area.L.PET	0.375368685	0.157300147
## Max_cooc.H.PET	0.205716280	-0.062512681
## Average_cooc.H.PET	0.408603558	0.109366260
## Variance_cooc.H.PET	0.266791535	0.205042010
## Entropy_cooc.H.PET	0.221527875	0.111284682
## DAVE_cooc.H.PET	0.289503063	0.161966024
## DVAR_cooc.H.PET	0.290454239	0.183199255
## DENT_cooc.H.PET	0.440189471	0.133206541
## SAVE_cooc.H.PET	0.439042409	0.120580184
## SVAR_cooc.H.PET	0.410648626	0.226708604
## SENT_cooc.H.PET	0.223397989	0.161464721
## ASM_cooc.H.PET	0.194323770	-0.017253332
## Contrast_cooc.H.PET	0.233081181	0.156395761
## Dissimilarity_cooc.H.PET	0.289503063	0.161966024
## Inv_diff_cooc.H.PET	0.360566870	0.044088225
## Inv_diff_norm_cooc.H.PET	0.414584165	0.147771920
## IDM_cooc.H.PET	0.325750076	0.018811096
## IDM_norm_cooc.H.PET	0.409961703	0.150501108
## Inv_var_cooc.H.PET	0.291335728	0.185402327
## Correlation_cooc.H.PET	0.291849613	0.143384421
## Autocorrelation_cooc.H.PET	0.398889377	0.078031767
## Tendency_cooc.H.PET	0.261127582	0.212980403
## Shade_cooc.H.PET	-0.052834538	-0.084232923
## Prominence_cooc.H.PET	0.155632167	0.206267901
## IC1_d.H.PET	-0.050549312	0.047228679
## IC2_d.H.PET	0.330350790	0.163386467
## Coarseness_vdif.H.PET	0.208999891	0.105531901

## Contrast_vdif.H.PET	0.095651871	0.006872220
## Busyness_vdif.H.PET	0.145572940	0.215317595
## Complexity_vdif.H.PET	0.210114944	0.101929350
## Strength_vdif.H.PET	-0.068926245	-0.032835058
## SRE_align.H.PET	0.366444702	0.168350210
## LRE_align.H.PET	0.386739497	0.011611474
## RLNU_align.H.PET	0.236894120	0.166884137
## RP_align.H.PET	0.353773810	0.167593183
## LGRE_align.H.PET	0.225880505	0.131555521
## HGRE_align.H.PET	0.403107993	0.092723787
## LGSRE_align.H.PET	0.225046887	0.130895231
## HGSRE_align.H.PET	0.392410163	0.116146831
## LGHRE_align.H.PET	0.232131518	0.133312706
## HGLRE_align.H.PET	0.287096715	-0.023701349
## GLNU_norm_align.H.PET	0.291983486	-0.009132421
## RLNU_norm_align.H.PET	0.318138604	0.166840508
## GLVAR_align.H.PET	0.261631149	0.210063819
## RLVAR_align.H.PET	0.264184177	-0.053040226
## Entropy_align.H.PET	0.349371432	0.202061254
## SZSE.H.PET	0.331281898	0.177622549
## LZSE.H.PET	0.115243727	-0.153982047
## LGLZE.H.PET	0.224411223	0.132896140
## HGLZE.H.PET	0.511557319	0.097249541
## SZLGE.H.PET	0.223805898	0.130917396
## SZHGE.H.PET	0.374264462	0.107853636
## LZLGE.H.PET	0.134816142	-0.148999324
## LZHGE.H.PET	0.091254616	-0.151798965
## GLNU_area.H.PET	0.274093204	0.178072520
## ZSNU.H.PET	0.211360773	0.159159907
## ZSP.H.PET	0.222562254	0.164340705
## GLNU_norm.H.PET	0.255199658	-0.006675645
## ZSNU_norm.H.PET	0.249670194	0.162555417
## GLVAR_area.H.PET	0.276757231	0.215197594
## ZSVAR.H.PET	0.109342089	-0.161656012
## Entropy_area.H.PET	0.403318456	0.205568873
## Max_cooc.W.PET	0.187493756	-0.009175054
## Average_cooc.W.PET	0.142515178	0.208582152
## Variance_cooc.W.PET	0.067803493	0.172883458
## Entropy_cooc.W.PET	0.307089183	0.193457176
## DAVE_cooc.W.PET	0.141267528	0.155921935
## DVAR_cooc.W.PET	0.062073877	0.155995209
## DENT_cooc.W.PET	0.293173386	0.179726902
## SAVE_cooc.W.PET	0.142087169	0.208391263
## SVAR_cooc.W.PET	0.072558450	0.180972958
## SENT_cooc.W.PET	0.325951312	0.202729789
## ASM_cooc.W.PET	0.214350321	0.044941396
## Contrast_cooc.W.PET	0.049015764	0.136116695
## Dissimilarity_cooc.W.PET	0.141267528	0.155921935
## Inv_diff_cooc.W.PET	0.377505283	0.062903669
## Inv_diff_norm_cooc.W.PET	0.426609788	0.169975568
## IDM_cooc.W.PET	0.337316380	0.031868787
## IDM_norm_cooc.W.PET	0.416329927	0.163999319
## Inv_var_cooc.W.PET	0.362973749	0.057367759
## Correlation_cooc.W.PET	0.322490418	0.149578347

## Autocorrelation_cooc.W.PET	0.058953815	0.215107254
## Tendency_cooc.W.PET	0.072558450	0.180972958
## Shade_cooc.W.PET	0.037768528	0.108098720
## Prominence_cooc.W.PET	0.022010843	0.128313975
## IC1_d.W.PET	-0.017749983	0.057968318
## IC2_d.W.PET	0.331683331	0.146432634
## Coarseness_vdif.W.PET	0.120093716	0.026683224
## Contrast_vdif.W.PET	0.050683927	0.061834556
## Busyness_vdif.W.PET	0.253619198	-0.015220058
## Complexity_vdif.W.PET	0.089801756	0.196040140
## Strength_vdif.W.PET	0.080809870	0.057456035
## SRE_align.W.PET	0.389015827	0.161439566
## LRE_align.W.PET	0.409776578	0.082818724
## GLNU_align.W.PET	0.309691012	0.142239328
## RLNU_align.W.PET	0.240256523	0.161334203
## RP_align.W.PET	0.382123842	0.163190990
## LGRE_align.W.PET	0.310476641	-0.021875905
## HGRE_align.W.PET	0.059398823	0.217633829
## LGSRE_align.W.PET	0.321731806	-0.012316557
## HGSRE_align.W.PET	0.057156780	0.215781263
## LGHRE_align.W.PET	0.259574859	-0.065863495
## HGLRE_align.W.PET	0.068212290	0.224265167
## GLNU_norm_align.W.PET	0.287037674	0.001051602
## RLNU_norm_align.W.PET	0.363272708	0.165496270
## GLVAR_align.W.PET	0.070955006	0.191636087
## RLVAR_align.W.PET	0.275046745	-0.028542803
## Entropy_align.W.PET	0.343264320	0.201127966
## SZSE.W.PET	0.371947532	0.173551458
## LZSE.W.PET	0.109476307	-0.138520402
## LGLZE.W.PET	0.316375898	-0.004024295
## HGLZE.W.PET	0.059656882	0.214553505
## SZLGE.W.PET	0.344244921	0.028133719
## SZHGE.W.PET	0.055495787	0.207433013
## LZLGE.W.PET	0.093282666	-0.148408893
## LZHGE.W.PET	0.038797082	0.176256588
## GLNU_area.W.PET	0.302018945	0.166932332
## ZSNU.W.PET	0.230428194	0.162467891
## ZSP.W.PET	0.332617585	0.187185171
## GLNU_norm.W.PET	0.283626699	0.006193201
## ZSNU_norm.W.PET	0.316905865	0.169205841
## GLVAR_area.W.PET	0.071980824	0.192970030
## ZSVAR.W.PET	0.085511280	-0.155958053
## Entropy_area.W.PET	0.379123259	0.194972002
## Min_hist.ADC	-0.297743204	-0.116893615
## Max_hist.ADC	0.657539009	0.328938289
## Mean_hist.ADC	0.359288440	0.013368494
## Variance_hist.ADC	0.988373691	0.382263471
## Standard_Deviation_hist.ADC	0.903512351	0.354376169
## Skewness_hist.ADC	-0.019229668	0.631025494
## Kurtosis_hist.ADC	-0.206510531	0.146890781
## Energy_hist.ADC	0.193530890	0.102169336
## Entropy_hist.ADC	0.532426663	0.211368933
## AUC_hist.ADC	0.408457141	0.295331095
## Volume.ADC	0.286426024	0.284007492

## X3D_surface.ADC	0.587857573	0.461344872	
## ratio_3ds_vol.ADC	0.021352970	-0.072510643	
## ratio_3ds_vol_norm.ADC	0.452963912	0.205311672	
## irregularity.ADC	0.303128179	0.113573027	
## Compactness_v1.ADC	0.280131997	0.121974042	
##	Prominence_cooc.W.ADC	IC1_d.W.ADC	IC2_d.W.ADC
## Failure	-0.097156438	-0.249688379	0.06388803
## Entropy_cooc.W.ADC	0.311637945	0.210442044	-0.02750480
## GLNU_align.H.PET	0.174674367	0.246799614	-0.09865383
## Min_hist.PET	0.077570201	-0.075935733	0.44616808
## Max_hist.PET	0.138590931	-0.045309834	0.45288190
## Mean_hist.PET	0.070744932	-0.056834683	0.43618581
## Variance_hist.PET	0.043237956	0.021437447	0.19876789
## Standard_Deviation_hist.PET	0.082136273	-0.049059554	0.44036872
## Skewness_hist.PET	0.330773023	-0.229515060	0.54961193
## Kurtosis_hist.PET	0.327645932	-0.056199262	0.19048647
## Energy_hist.PET	0.147927214	-0.092355550	0.48734335
## Entropy_hist.PET	0.359577326	-0.274311541	0.81494795
## AUC_hist.PET	0.250393889	-0.368352132	0.93770035
## H_suv.PET	0.080898760	-0.091862504	0.47452435
## Volume.PET	0.209083645	0.004756056	0.24612962
## X3D_surface.PET	0.268602424	0.107160876	0.16090087
## ratio_3ds_vol.PET	0.076308367	-0.293706114	0.60321134
## ratio_3ds_vol_norm.PET	0.253626622	-0.073216468	0.53639876
## irregularity.PET	0.204767084	-0.441248694	0.93924125
## tumor_length.PET	0.343260610	-0.018859090	0.50980959
## Compactness_v1.PET	0.202200725	-0.077685967	0.55850494
## Compactness_v2.PET	0.027824151	-0.114291873	0.17839042
## Spherical_disproportion.PET	0.253626622	-0.073216468	0.53639876
## Sphericity.PET	0.014875207	-0.170273497	0.18759480
## Asphericity.PET	0.251006670	-0.061725176	0.51565122
## Center_of_mass.PET	0.292250491	-0.042951388	0.33286006
## Max_3D_diam.PET	0.208319693	-0.110974308	0.38876010
## Major_axis_length.PET	0.274271621	-0.108554461	0.43998910
## Minor_axis_length.PET	0.285562926	-0.058723341	0.54045015
## Least_axis_length.PET	0.238440014	-0.023829758	0.43453477
## Elongation.PET	0.110685431	-0.254016935	0.77066770
## Flatness.PET	0.085438630	-0.197174562	0.68811301
## Max_cooc.L.PET	0.192879868	-0.061199363	0.50150835
## Average_cooc.L.PET	0.016871731	-0.421835514	0.77300724
## Variance_cooc.L.PET	-0.050765845	-0.461547449	0.65522172
## Entropy_cooc.L.PET	0.197891323	-0.355806542	0.90008150
## DAVE_cooc.L.PET	0.001623305	-0.466688658	0.75087399
## DVAR_cooc.L.PET	-0.010717496	-0.416543413	0.67228367
## DENT_cooc.L.PET	0.155931291	-0.431400755	0.92046625
## SAVE_cooc.L.PET	0.016658161	-0.421992238	0.77277282
## SVAR_cooc.L.PET	-0.029801496	-0.437743536	0.65333929
## SENT_cooc.L.PET	0.175156262	-0.388287265	0.92123388
## ASM_cooc.L.PET	0.186773100	-0.026864928	0.46686295
## Contrast_cooc.L.PET	-0.077287420	-0.437258949	0.56992889
## Dissimilarity_cooc.L.PET	0.001623305	-0.466688658	0.75087399
## Inv_diff_cooc.L.PET	0.338232190	-0.194282076	0.79353306
## Inv_diff_norm_cooc.L.PET	0.253220522	-0.355956350	0.92942749
## IDM_cooc.L.PET	0.349544591	-0.134263021	0.71589876

## IDM_norm_cooc.L.PET	0.241255064	-0.368770737	0.93461610
## Inv_var_cooc.L.PET	0.360650315	-0.125122681	0.71508257
## Correlation_cooc.L.PET	0.243667118	-0.115062446	0.58156002
## Autocorrelation_cooc.L.PET	-0.066470692	-0.392215483	0.59182697
## Tendency_cooc.L.PET	-0.029801496	-0.437743536	0.65333929
## Shade_cooc.L.PET	0.076835833	-0.183660642	0.33073154
## Prominence_cooc.L.PET	-0.057582546	-0.389860638	0.48636745
## IC1_.L.PET	0.133432285	0.523116033	-0.41916925
## IC2_.L.PET	0.126941014	-0.463432047	0.88625495
## Coarseness_vdif_.L.PET	0.095784325	-0.206707485	0.54054795
## Contrast_vdif_.L.PET	-0.097031345	-0.337132503	0.30189670
## Busyness_vdif_.L.PET	0.274087341	0.013307986	0.25242258
## Complexity_vdif_.L.PET	0.036236783	-0.420946183	0.71813462
## Strength_vdif_.L.PET	-0.063079142	-0.375735667	0.39154419
## SRE_align.L.PET	0.221473330	-0.390642278	0.94106695
## LRE_align.L.PET	0.241944194	-0.364782045	0.92829666
## GLNU_align.L.PET	0.240460676	0.054972728	0.19313999
## RLNU_align.L.PET	0.205756754	0.075234594	0.15495386
## RP_align.L.PET	0.219387857	-0.392664663	0.94145461
## LGRE_align.L.PET	0.295352290	-0.198309356	0.64710091
## HGRE_align.L.PET	-0.065076757	-0.397978563	0.61102058
## LGSRE_align.L.PET	0.294552184	-0.198600327	0.65148638
## HGSRE_align.L.PET	-0.066198877	-0.400157796	0.61076914
## LGHRE_align.L.PET	0.296076711	-0.194500420	0.62577558
## HGLRE_align.L.PET	-0.060100644	-0.387870711	0.61019456
## GLNU_norm_align.L.PET	0.279271322	-0.181365472	0.69919812
## RLNU_norm_align.L.PET	0.211907657	-0.398758503	0.94183325
## GLVAR_align.L.PET	-0.043709998	-0.446150058	0.66757105
## RLVAR_align.L.PET	0.293039497	-0.050643834	0.61563713
## Entropy_align.L.PET	0.193085466	-0.366312905	0.90745277
## SZSE.L.PET	0.221103752	-0.382187743	0.92092536
## LZSE.L.PET	0.171823260	-0.240614366	0.64545545
## LGLZE.L.PET	0.292041337	-0.197831630	0.65725299
## HGLZE.L.PET	-0.065047810	-0.398030021	0.61979596
## SZLGE.L.PET	0.285910761	-0.193826128	0.66500256
## SZHGE.L.PET	-0.057002842	-0.392330670	0.61656316
## LZLGE.L.PET	0.298530786	-0.170714372	0.52904908
## LZHGE.L.PET	-0.078192118	-0.324824062	0.49926237
## GLNU_area.L.PET	0.242425563	0.055453991	0.19289771
## ZSNU.L.PET	0.205217628	0.071844322	0.15538520
## ZSP.L.PET	0.213482278	-0.395264705	0.93021919
## GLNU_norm.L.PET	0.279276517	-0.177555478	0.69837202
## ZSNU_norm.L.PET	0.199624001	-0.410149936	0.93762583
## GLVAR_area.L.PET	-0.043182676	-0.444802804	0.67755616
## ZSVAR.L.PET	0.213463856	-0.046563121	0.40807636
## Entropy_area.L.PET	0.202565710	-0.354604625	0.90438810
## Max_cooc.H.PET	0.179684338	-0.277797183	0.38741567
## Average_cooc.H.PET	0.233990274	-0.449772343	0.94097925
## Variance_cooc.H.PET	0.102427835	-0.247076526	0.75653325
## Entropy_cooc.H.PET	0.079189198	-0.283713786	0.74978334
## DAVE_cooc.H.PET	0.110409665	-0.344052955	0.81178161
## DVAR_cooc.H.PET	0.115007028	-0.369360021	0.80165655
## DENT_cooc.H.PET	0.291469577	-0.196416000	0.70646920
## SAVE_cooc.H.PET	0.260018181	-0.437712930	0.93908607

## SVAR_cooc.H.PET	0.261800512	-0.192889088	0.75243586
## SENT_cooc.H.PET	0.125222114	-0.082584698	0.61527742
## ASM_cooc.H.PET	0.168924802	-0.255427204	0.37206693
## Contrast_cooc.H.PET	0.063254114	-0.329939757	0.72527340
## Dissimilarity_cooc.H.PET	0.110409665	-0.344052955	0.81178161
## Inv_diff_cooc.H.PET	0.261332241	-0.365607472	0.69577152
## Inv_diff_norm_cooc.H.PET	0.241772813	-0.385658403	0.94030458
## IDM_cooc.H.PET	0.245415568	-0.344750583	0.60683206
## IDM_norm_cooc.H.PET	0.234872679	-0.383175032	0.94013705
## Inv_var_cooc.H.PET	0.231733652	-0.028861777	0.57711996
## Correlation_cooc.H.PET	0.207905319	-0.085461522	0.57696535
## Autocorrelation_cooc.H.PET	0.237261277	-0.466458673	0.90430135
## Tendency_cooc.H.PET	0.114408716	-0.180235648	0.70574973
## Shade_cooc.H.PET	0.065130225	0.110021872	-0.35566968
## Prominence_cooc.H.PET	0.043632537	-0.028662617	0.47591911
## IC1_d.H.PET	-0.049781019	0.109712629	-0.06779703
## IC2_d.H.PET	0.225186635	-0.197431235	0.70343101
## Coarseness_vdif.H.PET	0.160455745	-0.044060970	0.46470821
## Contrast_vdif.H.PET	0.041699846	-0.449522759	0.38130871
## Busyness_vdif.H.PET	0.062663262	-0.107005774	0.09515629
## Complexity_vdif.H.PET	0.102592296	-0.235879020	0.64561180
## Strength_vdif.H.PET	-0.075085515	-0.145146388	0.07302542
## SRE_align.H.PET	0.188808310	-0.342088357	0.90259709
## LRE_align.H.PET	0.291291682	-0.369483741	0.65143328
## RLNU_align.H.PET	0.205897286	0.080533295	0.15409104
## RP_align.H.PET	0.177375682	-0.337065051	0.89091839
## LGRE_align.H.PET	0.176863998	-0.012819885	0.47394081
## HGRE_align.H.PET	0.240608035	-0.463125676	0.90769570
## LGSRE_align.H.PET	0.176443276	-0.012516670	0.47203518
## HGSRE_align.H.PET	0.215241746	-0.443297069	0.93685813
## LGHRE_align.H.PET	0.180915230	-0.015353349	0.48445091
## HGLRE_align.H.PET	0.231058238	-0.312989805	0.46180092
## GLNU_norm_align.H.PET	0.215389821	-0.391233638	0.58137971
## RLNU_norm_align.H.PET	0.148486919	-0.298883522	0.83580581
## GLVAR_align.H.PET	0.101974161	-0.217241190	0.71941552
## RLVAR_align.H.PET	0.237556712	-0.193013047	0.30459272
## Entropy_align.H.PET	0.193817205	-0.227642689	0.79359511
## SZSE.H.PET	0.170160483	-0.214803314	0.76758009
## LZSE.H.PET	0.133068284	-0.015028067	-0.04137620
## LGLZE.H.PET	0.175310882	-0.011679804	0.47393757
## HGLZE.H.PET	0.353160577	-0.375069849	0.85086964
## SZLGE.H.PET	0.175681486	-0.010788387	0.46914059
## SZHGE.H.PET	0.212459057	-0.290593768	0.78471035
## LZLGE.H.PET	0.151235379	-0.008263266	0.01770686
## LZHGE.H.PET	0.119469943	-0.051796184	-0.02536797
## GLNU_area.H.PET	0.212625020	0.042963358	0.19694148
## ZSNU.H.PET	0.192028393	0.083149598	0.12847671
## ZSP.H.PET	0.086333989	-0.142435559	0.58974507
## GLNU_norm.H.PET	0.183206832	-0.401752691	0.58453176
## ZSNU_norm.H.PET	0.109721020	-0.135293993	0.63438823
## GLVAR_area.H.PET	0.115515174	-0.200135971	0.69762056
## ZSVAR.H.PET	0.134426241	-0.024699928	-0.03604639
## Entropy_area.H.PET	0.238064262	-0.282121082	0.85557260
## Max_cooc.W.PET	0.156924101	-0.207454313	0.41548306

## Average_cooc.W.PET	0.057221567	-0.045582385	0.42639740
## Variance_cooc.W.PET	0.036358173	0.009473531	0.20424909
## Entropy_cooc.W.PET	0.153203412	-0.213802700	0.75272658
## DAVE_cooc.W.PET	0.037551331	-0.111341925	0.46671478
## DVAR_cooc.W.PET	0.013274853	-0.042424767	0.24107502
## DENT_cooc.W.PET	0.138521208	-0.229156458	0.74888043
## SAVE_cooc.W.PET	0.056866337	-0.045562659	0.42556659
## SVAR_cooc.W.PET	0.051949367	0.031849361	0.18093430
## SENT_cooc.W.PET	0.171347514	-0.228267505	0.80325863
## ASM_cooc.W.PET	0.177660883	-0.166015437	0.44578831
## Contrast_cooc.W.PET	-0.007937898	-0.049941810	0.24648574
## Dissimilarity_cooc.W.PET	0.037551331	-0.111341925	0.46671478
## Inv_diff_cooc.W.PET	0.254259606	-0.396029868	0.76591585
## Inv_diff_norm_cooc.W.PET	0.252824639	-0.359439032	0.93095437
## IDM_cooc.W.PET	0.241220865	-0.368720707	0.65212412
## IDM_norm_cooc.W.PET	0.240836195	-0.370150219	0.93526564
## Inv_var_cooc.W.PET	0.253343968	-0.381584666	0.71286628
## Correlation_cooc.W.PET	0.243763105	-0.108503900	0.57929842
## Autocorrelation_cooc.W.PET	0.037363168	0.042106957	0.18821203
## Tendency_cooc.W.PET	0.051949367	0.031849361	0.18093430
## Shade_cooc.W.PET	0.044535009	0.007149910	0.04680603
## Prominence_cooc.W.PET	0.035190254	0.010837586	0.01874896
## IC1_d.W.PET	-0.005635708	0.169659879	-0.09145947
## IC2_d.W.PET	0.207514101	-0.281538695	0.78213950
## Coarseness_vdif.W.PET	0.055470882	-0.265103615	0.52601460
## Contrast_vdif.W.PET	-0.056570196	-0.172465167	0.43984938
## Busyness_vdif.W.PET	0.212656448	-0.206098139	0.24094624
## Complexity_vdif.W.PET	0.082699479	0.003364845	0.14016687
## Strength_vdif.W.PET	0.014786042	-0.142546034	0.28090739
## SRE_align.W.PET	0.210532553	-0.366856599	0.92780660
## LRE_align.W.PET	0.265620857	-0.402604728	0.84102910
## GLNU_align.W.PET	0.241647173	0.013371728	0.20572686
## RLNU_align.W.PET	0.206165044	0.078808589	0.15519262
## RP_align.W.PET	0.203731208	-0.362357952	0.92265404
## LGRE_align.W.PET	0.240476943	-0.358186287	0.56068188
## HGRE_align.W.PET	0.037749032	0.038736500	0.18831778
## LGSRE_align.W.PET	0.244464176	-0.366212209	0.59421849
## HGSRE_align.W.PET	0.035961815	0.037222235	0.18548205
## LGHRE_align.W.PET	0.220875697	-0.300066591	0.40029518
## HGLRE_align.W.PET	0.044826920	0.044706350	0.19946009
## GLNU_norm_align.W.PET	0.212047017	-0.358950640	0.58405660
## RLNU_norm_align.W.PET	0.186977305	-0.341054457	0.89916656
## GLVAR_align.W.PET	0.043848450	0.021159156	0.19860905
## RLVAR_align.W.PET	0.236782682	-0.215334576	0.38698353
## Entropy_align.W.PET	0.184969890	-0.235762072	0.79764287
## SZSE.W.PET	0.199734864	-0.310437549	0.86930455
## LZSE.W.PET	0.121109333	-0.168212484	0.15727105
## LGLZE.W.PET	0.247503188	-0.351127351	0.57624286
## HGLZE.W.PET	0.036234465	0.033377307	0.19368439
## SZLGE.W.PET	0.263970564	-0.332524262	0.63582913
## SZHGE.W.PET	0.031804776	0.027335118	0.18689132
## LZLGE.W.PET	0.109912842	-0.105488242	0.04127194
## LZHGE.W.PET	0.034698041	0.038402651	0.21098644
## GLNU_area.W.PET	0.234859371	0.025571706	0.20812692

## ZSNU.W.PET	0.202905442	0.080718436	0.14478492
## ZSP.W.PET	0.165969005	-0.261407557	0.79511913
## GLNU_norm.W.PET	0.210383698	-0.366326112	0.60091457
## ZSNU_norm.W.PET	0.154990261	-0.254441922	0.79025509
## GLVAR_area.W.PET	0.044190440	0.020956043	0.20250615
## ZSVAR.W.PET	0.114668548	-0.114865013	0.06827764
## Entropy_area.W.PET	0.214908629	-0.270919739	0.84092265
## Min_hist.ADC	-0.317868958	-0.437699891	0.40615579
## Max_hist.ADC	0.506955315	-0.268871420	0.82400759
## Mean_hist.ADC	0.198663152	-0.464540110	0.86652111
## Variance_hist.ADC	0.900448703	-0.220879194	0.50757961
## Standard_Deviation_hist.ADC	0.746441855	-0.337023547	0.75432014
## Skewness_hist.ADC	0.039872305	-0.059955488	0.19306890
## Kurtosis_hist.ADC	-0.064754422	0.145924072	0.11791460
## Energy_hist.ADC	0.144994044	-0.102615840	0.49337071
## Entropy_hist.ADC	0.359425237	-0.176354994	0.84046040
## AUC_hist.ADC	0.244716206	-0.334362731	0.90421680
## Volume.ADC	0.202313274	0.020909755	0.23079231
## X3D_surface.ADC	0.542365310	0.260712876	0.25214081
## ratio_3ds_vol.ADC	-0.112091343	-0.777669481	0.79018348
## ratio_3ds_vol_norm.ADC	0.262447948	-0.330054048	0.87402236
## irregularity.ADC	0.122907083	-0.567149618	0.96337383
## Compactness_v1.ADC	0.190697670	-0.181315311	0.69340950
##	Coarseness_vdif.W.ADC	Contrast_vdif.W.ADC	
## Failure	0.171124642	0.254684209	
## Entropy_cooc.W.ADC	-0.150238130	-0.177448502	
## GLNU_align.H.PET	-0.040470309	-0.149043759	
## Min_hist.PET	0.070723158	0.065218207	
## Max_hist.PET	0.061499059	0.044740287	
## Mean_hist.PET	0.062092597	0.059253698	
## Variance_hist.PET	-0.009044497	0.001989862	
## Standard_Deviation_hist.PET	0.093649272	0.071690217	
## Skewness_hist.PET	0.279366093	0.186272371	
## Kurtosis_hist.PET	0.095204967	0.012928803	
## Energy_hist.PET	0.923423133	0.387983514	
## Entropy_hist.PET	0.250308632	0.254595264	
## AUC_hist.PET	0.490571910	0.375389936	
## H_suv.PET	0.199272505	0.162061962	
## Volume.PET	-0.202600272	-0.096364019	
## X3D_surface.PET	0.024346887	-0.033431902	
## ratio_3ds_vol.PET	0.656326366	0.390027419	
## ratio_3ds_vol_norm.PET	0.582235059	0.236885094	
## irregularity.PET	0.483736971	0.414201015	
## tumor_length.PET	0.244117311	0.095748561	
## Compactness_v1.PET	0.841732205	0.342912855	
## Compactness_v2.PET	-0.239499847	-0.038514761	
## Spherical_disproportion.PET	0.582235059	0.236885094	
## Sphericity.PET	-0.365128768	-0.051676661	
## Asphericity.PET	0.579161919	0.229279235	
## Center_of_mass.PET	0.118379690	0.066144092	
## Max_3D_diam.PET	-0.176253895	-0.020216751	
## Major_axis_length.PET	-0.046588234	0.039469147	
## Minor_axis_length.PET	0.076734881	0.037173603	
## Least_axis_length.PET	-0.038951684	-0.017965990	

## Elongation.PET	0.466506937	0.303872661
## Flatness.PET	0.360365671	0.227983126
## Max_cooc.L.PET	0.918115063	0.365770500
## Average_cooc.L.PET	0.424119613	0.411899142
## Variance_cooc.L.PET	0.428992219	0.427065765
## Entropy_cooc.L.PET	0.383116302	0.334424450
## DAVE_cooc.L.PET	0.442247080	0.444372616
## DVAR_cooc.L.PET	0.455260714	0.398234249
## DENT_cooc.L.PET	0.446436489	0.406940273
## SAVE_cooc.L.PET	0.423167890	0.411649493
## SVAR_cooc.L.PET	0.412229012	0.395718357
## SENT_cooc.L.PET	0.514255657	0.402289651
## ASM_cooc.L.PET	0.916098824	0.346617449
## Contrast_cooc.L.PET	0.397620733	0.419294463
## Dissimilarity_cooc.L.PET	0.442247080	0.444372616
## Inv_diff_cooc.L.PET	0.468100860	0.252547045
## Inv_diff_norm_cooc.L.PET	0.445424620	0.349914691
## IDM_cooc.L.PET	0.503564465	0.229761168
## IDM_norm_cooc.L.PET	0.449508331	0.360526898
## Inv_var_cooc.L.PET	0.497826169	0.222794444
## Correlation_cooc.L.PET	0.279457142	0.120209570
## Autocorrelation_cooc.L.PET	0.388775757	0.388643302
## Tendency_cooc.L.PET	0.412229012	0.395718357
## Shade_cooc.L.PET	0.169430428	0.117180120
## Prominence_cooc.L.PET	0.363843372	0.346434851
## IC1_.L.PET	-0.111722611	-0.356157142
## IC2_.L.PET	0.575884139	0.485646555
## Coarseness_vdif_.L.PET	0.904088549	0.449310042
## Contrast_vdif_.L.PET	0.298507115	0.305980101
## Busyness_vdif_.L.PET	-0.112772400	-0.070795209
## Complexity_vdif_.L.PET	0.477343139	0.439492650
## Strength_vdif_.L.PET	0.384098321	0.342047645
## SRE_align.L.PET	0.466085983	0.382195568
## LRE_align.L.PET	0.435468819	0.352158930
## GLNU_align.L.PET	-0.107344142	-0.086237414
## RLNU_align.L.PET	-0.152998994	-0.093868474
## RP_align.L.PET	0.467320340	0.384088070
## LGRE_align.L.PET	0.611780552	0.308229620
## HGRE_align.L.PET	0.397892880	0.390988758
## LGSRE_align.L.PET	0.622145032	0.313072352
## HGSRE_align.L.PET	0.400094604	0.392425123
## LGHRE_align.L.PET	0.568807426	0.286847236
## HGLRE_align.L.PET	0.387424404	0.383647170
## GLNU_norm_align.L.PET	0.832967058	0.386928618
## RLNU_norm_align.L.PET	0.472193344	0.390259802
## GLVAR_align.L.PET	0.427924218	0.423522723
## RLVAR_align.L.PET	0.718900994	0.271198326
## Entropy_align.L.PET	0.400396300	0.348420271
## SZSE.L.PET	0.470863414	0.378106006
## LZSE.L.PET	0.261854224	0.223196815
## LGLZE.L.PET	0.622992375	0.305855566
## HGLZE.L.PET	0.399241005	0.385553644
## SZLGE.L.PET	0.653329386	0.311463358
## SZHGE.L.PET	0.403653017	0.375863539

## LZLGE.L.PET	0.430659635	0.232720138
## LZHGE.L.PET	0.297142884	0.329964271
## GLNU_area.L.PET	-0.113303582	-0.085698192
## ZSNU.L.PET	-0.160576344	-0.093235703
## ZSP.L.PET	0.473885869	0.386356304
## GLNU_norm.L.PET	0.835507327	0.386192863
## ZSNU_norm.L.PET	0.481473264	0.396122240
## GLVAR_area.L.PET	0.434143003	0.418676638
## ZSVAR.L.PET	0.262160221	0.111592384
## Entropy_area.L.PET	0.392489522	0.337647410
## Max_cooc.H.PET	0.457986757	0.308676364
## Average_cooc.H.PET	0.460568526	0.414918389
## Variance_cooc.H.PET	0.296407493	0.250529916
## Entropy_cooc.H.PET	0.294788978	0.243181217
## DAVE_cooc.H.PET	0.354144206	0.337592744
## DVAR_cooc.H.PET	0.368451232	0.361553995
## DENT_cooc.H.PET	0.161896755	0.172970137
## SAVE_cooc.H.PET	0.435493712	0.409458132
## SVAR_cooc.H.PET	0.278395149	0.215912020
## SENT_cooc.H.PET	0.527333982	0.243954232
## ASM_cooc.H.PET	0.545142567	0.344529015
## Contrast_cooc.H.PET	0.329479094	0.338025146
## Dissimilarity_cooc.H.PET	0.354144206	0.337592744
## Inv_diff_cooc.H.PET	0.501111335	0.371639223
## Inv_diff_norm_cooc.H.PET	0.471687679	0.377081596
## IDM_cooc.H.PET	0.479994847	0.353025899
## IDM_norm_cooc.H.PET	0.462857455	0.373136979
## Inv_var_cooc_.H.PET	0.794917527	0.292366937
## Correlation_cooc.H.PET	0.268244480	0.095998246
## Autocorrelation_cooc.H.PET	0.472735822	0.429836595
## Tendency_cooc.H.PET	0.251916924	0.180828273
## Shade_cooc.H.PET	-0.154595299	-0.154164747
## Prominence_cooc.H.PET	0.116482608	0.058202844
## IC1_d.H.PET	0.304052633	0.049349771
## IC2_d.H.PET	0.340022820	0.214163247
## Coarseness_vdif.H.PET	0.923024349	0.363836470
## Contrast_vdif.H.PET	0.354674182	0.414533526
## Busyness_vdif.H.PET	-0.383073552	-0.111279845
## Complexity_vdif.H.PET	0.647424210	0.397640967
## Strength_vdif.H.PET	0.191882449	0.171921828
## SRE_align.H.PET	0.426125647	0.340511022
## LRE_align.H.PET	0.364351342	0.346624382
## RLNU_align.H.PET	-0.142281600	-0.086580360
## RP_align.H.PET	0.420426319	0.336906773
## LGRE_align.H.PET	0.907429025	0.336502883
## HGRE_align.H.PET	0.465905863	0.417598921
## LGSRE_align.H.PET	0.907737140	0.336547722
## HGSRE_align.H.PET	0.449095573	0.393579223
## LGHRE_align.H.PET	0.906427537	0.337198766
## HGLRE_align.H.PET	0.303386215	0.304340797
## GLNU_norm_align.H.PET	0.513849509	0.400394990
## RLNU_norm_align.H.PET	0.385864201	0.306339761
## GLVAR_align.H.PET	0.265943378	0.228335846
## RLVAR_align.H.PET	0.245922829	0.207636034

## Entropy_align.H.PET	0.281456863	0.227448300
## SZSE.H.PET	0.326738339	0.230949427
## LZSE.H.PET	-0.046822487	0.017703610
## LGLZE.H.PET	0.905263897	0.335118332
## HGLZE.H.PET	0.364534879	0.344629315
## SZLGE.H.PET	0.906032048	0.334685496
## SZHGE.H.PET	0.299622937	0.231073842
## LZLGE.H.PET	0.072046028	0.050877254
## LZHGE.H.PET	0.010656295	0.064229834
## GLNU_area.H.PET	-0.157779257	-0.098046748
## ZSNU.H.PET	-0.142940020	-0.074561584
## ZSP.H.PET	0.214719350	0.154661619
## GLNU_norm.H.PET	0.525955755	0.418624408
## ZSNU_norm.H.PET	0.250152998	0.164707833
## GLVAR_area.H.PET	0.246821979	0.220391254
## ZSVAR_H.PET	-0.023306346	0.030229782
## Entropy_area.H.PET	0.332846711	0.269193941
## Max_cooc.W.PET	0.652828559	0.345171419
## Average_cooc.W.PET	0.073142363	0.069061491
## Variance_cooc.W.PET	0.002328437	0.008436253
## Entropy_cooc.W.PET	0.250706819	0.210258012
## DAVE_cooc.W.PET	0.119271931	0.132638514
## DVAR_cooc.W.PET	0.012454006	0.068755143
## DENT_cooc.W.PET	0.267624367	0.227452133
## SAVE_cooc.W.PET	0.071278874	0.068376171
## SVAR_cooc.W.PET	-0.003796961	-0.019681516
## SENT_cooc.W.PET	0.373293180	0.259470995
## ASM_cooc.W.PET	0.801086693	0.386789547
## Contrast_cooc.W.PET	0.017004475	0.080874428
## Dissimilarity_cooc.W.PET	0.119271931	0.132638514
## Inv_diff_cooc.W.PET	0.517703626	0.396084776
## Inv_diff_norm_cooc.W.PET	0.448519077	0.353268905
## IDM_cooc.W.PET	0.492953967	0.373414376
## IDM_norm_cooc.W.PET	0.450716571	0.361897806
## Inv_var_cooc.W.PET	0.518576633	0.388625276
## Correlation_cooc.W.PET	0.275148405	0.113444831
## Autocorrelation_cooc.W.PET	-0.037802620	-0.017783472
## Tendency_cooc.W.PET	-0.003796961	-0.019681516
## Shade_cooc.W.PET	0.015776625	-0.015015671
## Prominence_cooc.W.PET	-0.006009725	-0.012899160
## IC1_d.W.PET	0.353513513	0.019083769
## IC2_d.W.PET	0.415566669	0.316594292
## Coarseness_vdif.W.PET	0.856707919	0.463563533
## Contrast_vdif.W.PET	0.276882632	0.230527372
## Busyness_vdif.W.PET	-0.020818310	0.108615504
## Complexity_vdif.W.PET	-0.012172880	0.013886841
## Strength_vdif.W.PET	0.174358007	0.132168255
## SRE_align.W.PET	0.446381676	0.361322332
## LRE_align.W.PET	0.444068635	0.384231002
## GLNU_align.W.PET	-0.143712652	-0.085304767
## RLNU_align.W.PET	-0.143967206	-0.089960989
## RP_align.W.PET	0.442037303	0.357355305
## LGRE_align.W.PET	0.481986963	0.372305834
## HGRE_align.W.PET	-0.044110399	-0.013201526

## LGSRE_align.W.PET	0.507916682	0.385791160
## HGSRE_align.W.PET	-0.044759285	-0.012194157
## LGHRE_align.W.PET	0.357245774	0.301801745
## HGLRE_align.W.PET	-0.041550526	-0.017001236
## GLNU_norm_align.W.PET	0.601055648	0.414218037
## RLNU_norm_align.W.PET	0.423118443	0.339891171
## GLVAR_align.W.PET	-0.011217172	0.001017359
## RLVAR_align.W.PET	0.384081063	0.267139957
## Entropy_align.W.PET	0.283611485	0.233737081
## SZSE.W.PET	0.406636378	0.314100198
## LZSE.W.PET	0.157055519	0.170969404
## LGLZE.W.PET	0.496197401	0.375929108
## HGLZE.W.PET	-0.042230704	-0.011780714
## SZLGE.W.PET	0.553695146	0.388419036
## SZHGE.W.PET	-0.043463749	-0.008849661
## LZLGE.W.PET	0.073568493	0.111661419
## LZHGE.W.PET	0.010963636	0.002311568
## GLNU_area.W.PET	-0.151211207	-0.092938499
## ZSNU.W.PET	-0.142524352	-0.082012752
## ZSP.W.PET	0.339043885	0.263005235
## GLNU_norm.W.PET	0.616716253	0.421652460
## ZSNU_norm.W.PET	0.341454190	0.261890660
## GLVAR_area.W.PET	-0.007098054	0.001423654
## ZSVAR.W.PET	0.107590540	0.124123585
## Entropy_area.W.PET	0.319681794	0.266344157
## Min_hist.ADC	0.389142867	0.297782025
## Max_hist.ADC	0.276347178	0.264813918
## Mean_hist.ADC	0.380371506	0.388094994
## Variance_hist.ADC	0.158199250	0.341826422
## Standard_Deviation_hist.ADC	0.272187749	0.411933401
## Skewness_hist.ADC	0.176936644	0.027876954
## Kurtosis_hist.ADC	0.050611736	-0.138907155
## Energy_hist.ADC	0.954428418	0.416478949
## Entropy_hist.ADC	0.282948117	0.176586389
## AUC_hist.ADC	0.451124675	0.334964722
## Volume.ADC	-0.214128677	-0.111427746
## X3D_surface.ADC	-0.094761751	-0.186824047
## ratio_3ds_vol.ADC	0.711036154	0.766215627
## ratio_3ds_vol_norm.ADC	0.327059361	0.290188867
## irregularity.ADC	0.552088779	0.547951737
## Compactness_v1.ADC	0.902016253	0.430306753
##	Busyness_vdif.W.ADC	Complexity_vdif.W.ADC
## Failure	-0.016806747	-0.216916430
## Entropy_cooc.W.ADC	0.088486417	0.377177045
## GLNU_align.H.PET	0.110907142	0.219844581
## Min_hist.PET	0.315721402	0.174419881
## Max_hist.PET	0.354055537	0.247352143
## Mean_hist.PET	0.340932678	0.182867921
## Variance_hist.PET	0.206215154	0.114165775
## Standard_Deviation_hist.PET	0.376694821	0.202448077
## Skewness_hist.PET	0.265517533	0.338409109
## Kurtosis_hist.PET	0.065720445	0.254665740
## Energy_hist.PET	0.715653606	0.164140457
## Entropy_hist.PET	0.508557769	0.504615789

## AUC_hist.PET	0.650245982	0.377344703
## H_suv.PET	0.447871337	0.195190675
## Volume.PET	0.187418733	0.263987226
## X3D_surface.PET	0.230736060	0.315169644
## ratio_3ds_vol.PET	0.468583293	0.135331798
## ratio_3ds_vol_norm.PET	0.606472596	0.361535867
## irregularity.PET	0.561701499	0.314214329
## tumor_length.PET	0.509895120	0.460026465
## Compactness_v1.PET	0.774289316	0.230947974
## Compactness_v2.PET	-0.008636649	0.038237469
## Spherical_disproportion.PET	0.606472596	0.361535867
## Sphericity.PET	-0.113956216	0.032771690
## Asphericity.PET	0.598145386	0.356624205
## Center_of_mass.PET	0.306275633	0.365539063
## Max_3D_diam.PET	0.158324263	0.296029243
## Major_axis_length.PET	0.254425508	0.353768879
## Minor_axis_length.PET	0.462480141	0.423442842
## Least_axis_length.PET	0.370643754	0.361102611
## Elongation.PET	0.632745556	0.264570887
## Flatness.PET	0.589943483	0.222806479
## Max_cooc.L.PET	0.747162457	0.210050617
## Average_cooc.L.PET	0.504269770	0.131052186
## Variance_cooc.L.PET	0.339966419	-0.002650970
## Entropy_cooc.L.PET	0.597890710	0.336334002
## DAVE_cooc.L.PET	0.411324519	0.062940618
## DVAR_cooc.L.PET	0.369872999	-0.001991537
## DENT_cooc.L.PET	0.568362275	0.269684702
## SAVE_cooc.L.PET	0.503550425	0.130859252
## SVAR_cooc.L.PET	0.354469131	0.029382247
## SENT_cooc.L.PET	0.633187205	0.309861715
## ASM_cooc.L.PET	0.753671035	0.208020245
## Contrast_cooc.L.PET	0.270965704	-0.053231073
## Dissimilarity_cooc.L.PET	0.411324519	0.062940618
## Inv_diff_cooc.L.PET	0.653014148	0.462022393
## Inv_diff_norm_cooc.L.PET	0.629682508	0.386621259
## IDM_cooc.L.PET	0.653240944	0.457973113
## IDM_norm_cooc.L.PET	0.626419911	0.372915138
## Inv_var_cooc.L.PET	0.662737330	0.475820495
## Correlation_cooc.L.PET	0.491098117	0.388917166
## Autocorrelation_cooc.L.PET	0.391939354	0.021110725
## Tendency_cooc.L.PET	0.354469131	0.029382247
## Shade_cooc.L.PET	0.111290180	0.091167246
## Prominence_cooc.L.PET	0.218319027	-0.039080750
## IC1_.L.PET	0.079461229	0.104615954
## IC2_.L.PET	0.554766321	0.233291033
## Coarseness_vdif_.L.PET	0.649782195	0.108702498
## Contrast_vdif_.L.PET	0.082502148	-0.102767831
## Busyness_vdif_.L.PET	0.189021724	0.314201028
## Complexity_vdif_.L.PET	0.414450939	0.089135519
## Strength_vdif_.L.PET	0.098666052	-0.083513864
## SRE_align.L.PET	0.622682433	0.348303197
## LRE_align.L.PET	0.614796615	0.375468438
## GLNU_align.L.PET	0.171100282	0.285663068
## RLNU_align.L.PET	0.161217435	0.270465349

## RP_align.L.PET	0.621616154	0.345705676
## LGRE_align.L.PET	0.531206704	0.303557669
## HGRE_align.L.PET	0.407150243	0.025587988
## LGSRE_align.L.PET	0.540304958	0.303620943
## HGSRE_align.L.PET	0.405271579	0.022819360
## LGHRE_align.L.PET	0.494216042	0.301278631
## HGLRE_align.L.PET	0.413320601	0.037123283
## GLNU_norm_align.L.PET	0.736006068	0.316898108
## RLNU_norm_align.L.PET	0.618843950	0.336480180
## GLVAR_align.L.PET	0.381263092	0.018170819
## RLVAR_align.L.PET	0.757905080	0.378808929
## Entropy_align.L.PET	0.605594538	0.334984840
## SZSE.L.PET	0.625634254	0.341851462
## LZSE.L.PET	0.390274896	0.279563822
## LGLZE.L.PET	0.543417311	0.305429456
## HGLZE.L.PET	0.408990774	0.028047842
## SZLGE.L.PET	0.572467413	0.303691141
## SZHGE.L.PET	0.411235106	0.032026451
## LZLGE.L.PET	0.375180930	0.291182434
## LZHGE.L.PET	0.318818988	0.016374990
## GLNU_area.L.PET	0.173618092	0.289207977
## ZSNU.L.PET	0.160746610	0.269286774
## ZSP.L.PET	0.619200814	0.333026954
## GLNU_norm.L.PET	0.741224565	0.318536786
## ZSNU_norm.L.PET	0.610587141	0.318029252
## GLVAR_area.L.PET	0.386951702	0.021553291
## ZSVAR.L.PET	0.380679673	0.302256203
## Entropy_area.L.PET	0.608012378	0.346523250
## Max_cooc.H.PET	0.243606863	0.115003748
## Average_cooc.H.PET	0.557679859	0.332374549
## Variance_cooc.H.PET	0.569011937	0.269820254
## Entropy_cooc.H.PET	0.500094306	0.189966498
## DAVE_cooc.H.PET	0.532227312	0.232668712
## DVAR_cooc.H.PET	0.536385992	0.210001778
## DENT_cooc.H.PET	0.408463235	0.455362396
## SAVE_cooc.H.PET	0.562977406	0.372078529
## SVAR_cooc.H.PET	0.576099617	0.439818171
## SENT_cooc.H.PET	0.643254090	0.267900824
## ASM_cooc.H.PET	0.318181303	0.108868619
## Contrast_cooc.H.PET	0.484056579	0.164245705
## Dissimilarity_cooc.H.PET	0.532227312	0.232668712
## Inv_diff_cooc.H.PET	0.451252860	0.290808205
## Inv_diff_norm_cooc.H.PET	0.624036211	0.366954649
## IDM_cooc.H.PET	0.387891311	0.253257068
## IDM_norm_cooc.H.PET	0.622527489	0.363240750
## Inv_var_cooc_.H.PET	0.763331896	0.306310650
## Correlation_cooc.H.PET	0.504256055	0.368912111
## Autocorrelation_cooc.H.PET	0.514364492	0.311596209
## Tendency_cooc.H.PET	0.563943164	0.302708732
## Shade_cooc.H.PET	-0.286921901	-0.064693175
## Prominence_cooc.H.PET	0.462704549	0.244110212
## IC1_d.H.PET	0.166657269	-0.145587227
## IC2_d.H.PET	0.550824924	0.385221996
## Coarseness_vdif.H.PET	0.740674453	0.181163380

## Contrast_vdif.H.PET	0.158319368	-0.028066237
## Busyness_vdif.H.PET	-0.111758969	0.087790562
## Complexity_vdif.H.PET	0.590693189	0.182664761
## Strength_vdif.H.PET	0.017854880	-0.104091860
## SRE_align.H.PET	0.613967611	0.326921303
## LRE_align.H.PET	0.352574530	0.301091334
## RLNU_align.H.PET	0.172320827	0.260311440
## RP_align.H.PET	0.607182409	0.314523321
## LGRE_align.H.PET	0.776182358	0.209311310
## HGRE_align.H.PET	0.519517077	0.317605812
## LGSRE_align.H.PET	0.774901539	0.208024539
## HGSRE_align.H.PET	0.542514795	0.314415461
## LGHRE_align.H.PET	0.782771493	0.218156893
## HGLRE_align.H.PET	0.251245684	0.224974948
## GLNU_norm_align.H.PET	0.329234175	0.179665357
## RLNU_norm_align.H.PET	0.581396337	0.286003926
## GLVAR_align.H.PET	0.557516770	0.275741592
## RLVAR_align.H.PET	0.194343701	0.232420836
## Entropy_align.H.PET	0.584067108	0.358128921
## SZSE.H.PET	0.571964611	0.313303560
## LZSE.H.PET	-0.080874303	0.104493349
## LGLZE.H.PET	0.777335045	0.208642298
## HGLZE.H.PET	0.444931954	0.435710647
## SZLGE.H.PET	0.773954823	0.205378893
## SZHGE.H.PET	0.448647333	0.319668188
## LZLGE.H.PET	0.037639477	0.138269647
## LZHGE.H.PET	-0.055381335	0.068377568
## GLNU_area.H.PET	0.159769529	0.266877160
## ZSNU.H.PET	0.159144362	0.232668193
## ZSP.H.PET	0.442321060	0.205706434
## GLNU_norm.H.PET	0.350667621	0.148437414
## ZSNU_norm.H.PET	0.494134588	0.245300898
## GLVAR_area.H.PET	0.544597334	0.288450990
## ZSVAR.H.PET	-0.065112069	0.090847369
## Entropy_area.H.PET	0.600416675	0.393080899
## Max_cooc.W.PET	0.425231239	0.119026310
## Average_cooc.W.PET	0.374883691	0.185296377
## Variance_cooc.W.PET	0.198618463	0.102099186
## Entropy_cooc.W.PET	0.543665835	0.308968464
## DAVE_cooc.W.PET	0.351912647	0.138982476
## DVAR_cooc.W.PET	0.191342764	0.070202734
## DENT_cooc.W.PET	0.524300372	0.278509148
## SAVE_cooc.W.PET	0.373418438	0.184924819
## SVAR_cooc.W.PET	0.193988248	0.118802473
## SENT_cooc.W.PET	0.612017897	0.333131049
## ASM_cooc.W.PET	0.569616936	0.151085877
## Contrast_cooc.W.PET	0.192052727	0.048992621
## Dissimilarity_cooc.W.PET	0.351912647	0.138982476
## Inv_diff_cooc.W.PET	0.491867359	0.306422207
## Inv_diff_norm_cooc.W.PET	0.629246051	0.385162192
## IDM_cooc.W.PET	0.414784189	0.264331967
## IDM_norm_cooc.W.PET	0.626190971	0.372206729
## Inv_var_cooc.W.PET	0.465868934	0.296038362
## Correlation_cooc.W.PET	0.492164779	0.390871823

## Autocorrelation_cooc.W.PET	0.213703609	0.119217256
## Tendency_cooc.W.PET	0.193988248	0.118802473
## Shade_cooc.W.PET	0.053235077	0.064863152
## Prominence_cooc.W.PET	0.029439093	0.049914337
## IC1_d.W.PET	0.224755058	-0.100668791
## IC2_d.W.PET	0.573833247	0.360976274
## Coarseness_vdif.W.PET	0.573129956	0.059946479
## Contrast_vdif.W.PET	0.340779718	0.004062696
## Busyness_vdif.W.PET	0.021585797	0.178961972
## Complexity_vdif.W.PET	0.132807343	0.119074970
## Strength_vdif.W.PET	0.112893666	0.017021819
## SRE_align.W.PET	0.622318968	0.344239726
## LRE_align.W.PET	0.523213248	0.351314497
## GLNU_align.W.PET	0.129272290	0.304372461
## RLNU_align.W.PET	0.168480406	0.264763637
## RP_align.W.PET	0.620042511	0.338287558
## LGRE_align.W.PET	0.294926685	0.190740909
## HGRE_align.W.PET	0.210026629	0.120544082
## LGSRE_align.W.PET	0.323980516	0.200568368
## HGSRE_align.W.PET	0.205249367	0.116438573
## LGHRE_align.W.PET	0.173863115	0.153303672
## HGLRE_align.W.PET	0.228683550	0.137409033
## GLNU_norm_align.W.PET	0.397215597	0.180436171
## RLNU_norm_align.W.PET	0.610374209	0.324171774
## GLVAR_align.W.PET	0.204551762	0.114873344
## RLVAR_align.W.PET	0.298936311	0.232090510
## Entropy_align.W.PET	0.580546471	0.347323369
## SZSE.W.PET	0.614120084	0.334593982
## LZSE.W.PET	0.056906027	0.069397936
## LGLZE.W.PET	0.331181295	0.199704325
## HGLZE.W.PET	0.205746435	0.117696828
## SZLGE.W.PET	0.423239509	0.231884201
## SZHGE.W.PET	0.190752916	0.106329831
## LZLGE.W.PET	-0.044804738	0.038494665
## LZHGE.W.PET	0.265535986	0.152050308
## GLNU_area.W.PET	0.148788169	0.295971306
## ZSNU.W.PET	0.167247506	0.251338644
## ZSP.W.PET	0.561582936	0.302705271
## GLNU_norm.W.PET	0.421340342	0.178896997
## ZSNU_norm.W.PET	0.560723055	0.291766929
## GLVAR_area.W.PET	0.205256037	0.116431708
## ZSVAR.W.PET	0.012357037	0.049374013
## Entropy_area.W.PET	0.597077648	0.374074524
## Min_hist.ADC	0.146270054	-0.351632133
## Max_hist.ADC	0.561020421	0.632934947
## Mean_hist.ADC	0.412461199	0.312181198
## Variance_hist.ADC	0.307472937	0.834742596
## Standard_Deviation_hist.ADC	0.447751964	0.766970859
## Skewness_hist.ADC	0.311439613	-0.055584031
## Kurtosis_hist.ADC	0.245468430	0.044029630
## Energy_hist.ADC	0.740980577	0.158575762
## Entropy_hist.ADC	0.628455370	0.520266287
## AUC_hist.ADC	0.669391284	0.363522591
## Volume.ADC	0.179208783	0.266718984

## X3D_surface.ADC	0.538350273	0.709378517	
## ratio_3ds_vol.ADC	0.300609705	-0.128565846	
## ratio_3ds_vol_norm.ADC	0.585831475	0.389562166	
## irregularity.ADC	0.532798526	0.206147063	
## Compactness_v1.ADC	0.789067786	0.250147299	
##	Strength_vdif.W.ADC	SRE_align.W.ADC	LRE_align.W.ADC
## Failure	0.282770047	0.0026115977	-0.0007343564
## Entropy_cooc.W.ADC	-0.212306103	0.0260478390	0.0281622661
## GLNU_align.H.PET	-0.228279725	-0.0427018873	-0.0372910888
## Min_hist.PET	-0.022265065	0.5305779903	0.5313958754
## Max_hist.PET	-0.032214391	0.5459161821	0.5500670317
## Mean_hist.PET	-0.039418294	0.5306786723	0.5334546025
## Variance_hist.PET	-0.063690909	0.2633026240	0.2666736302
## Standard_Deviation_hist.PET	-0.014904117	0.5384487769	0.5439342819
## Skewness_hist.PET	0.268108568	0.5378190506	0.5337749538
## Kurtosis_hist.PET	0.111224047	0.1537221854	0.1497713333
## Energy_hist.PET	0.343296589	0.4529977322	0.4400015989
## Entropy_hist.PET	0.204279889	0.8715746587	0.8699830857
## AUC_hist.PET	0.343587991	0.9955889667	0.9943503571
## H_suv.PET	0.056555987	0.5638240009	0.5676012831
## Volume.PET	-0.148903571	0.3241132775	0.3361982443
## X3D_surface.PET	-0.107879265	0.2223851096	0.2264024177
## ratio_3ds_vol.PET	0.414519800	0.5777468786	0.5674158137
## ratio_3ds_vol_norm.PET	0.217394838	0.5868235812	0.5845719990
## irregularity.PET	0.410798464	0.9691964466	0.9652436259
## tumor_length.PET	0.029138403	0.6024452176	0.6083385315
## Compactness_v1.PET	0.274997823	0.5585817739	0.5511364945
## Compactness_v2.PET	-0.060739808	0.2284245254	0.2377700344
## Spherical_disproportion.PET	0.217394838	0.5868235812	0.5845719990
## Sphericity.PET	-0.058866808	0.2274709162	0.2360298124
## Asphericity.PET	0.210321282	0.5649670511	0.5626895309
## Center_of_mass.PET	0.036122970	0.3712388745	0.3762214424
## Max_3D_diam.PET	-0.060614900	0.4589675980	0.4666849186
## Major_axis_length.PET	-0.024555553	0.5044739944	0.5094695343
## Minor_axis_length.PET	-0.023532294	0.6577082233	0.6671899166
## Least_axis_length.PET	-0.077549762	0.5555224300	0.5663828048
## Elongation.PET	0.269487358	0.8588754725	0.8589481586
## Flatness.PET	0.194269478	0.7945774490	0.7969930473
## Max_cooc.L.PET	0.320652808	0.4776226079	0.4664088930
## Average_cooc.L.PET	0.358931774	0.8127182835	0.8110689284
## Variance_cooc.L.PET	0.430724192	0.6486416003	0.6435422815
## Entropy_cooc.L.PET	0.291901830	0.9794413422	0.9816077864
## DAVE_cooc.L.PET	0.424922948	0.7593172828	0.7539257914
## DVAR_cooc.L.PET	0.413016788	0.6717732821	0.6688060820
## DENT_cooc.L.PET	0.377021072	0.9705365164	0.9690233899
## SAVE_cooc.L.PET	0.358731768	0.8125209145	0.8108837806
## SVAR_cooc.L.PET	0.405341644	0.6567406056	0.6538752764
## SENT_cooc.L.PET	0.371928390	0.9763506689	0.9741152245
## ASM_cooc.L.PET	0.292522579	0.4485310587	0.4378056859
## Contrast_cooc.L.PET	0.413005632	0.5483869376	0.5404289004
## Dissimilarity_cooc.L.PET	0.424922948	0.7593172828	0.7539257914
## Inv_diff_cooc.L.PET	0.226535368	0.8542642504	0.8534602276
## Inv_diff_norm_cooc.L.PET	0.319787445	0.9941581693	0.9937636652
## IDM_cooc.L.PET	0.205551830	0.7658548041	0.7639179139

## IDM_norm_cooc.L.PET	0.329967749	0.9978831898	0.9973353401
## Inv_var_cooc.L.PET	0.195065676	0.7701279739	0.7693914428
## Correlation_cooc.L.PET	0.113603943	0.6572692299	0.6620150091
## Autocorrelation_cooc.L.PET	0.340685884	0.6068272077	0.6045580255
## Tendency_cooc.L.PET	0.405341644	0.6567406056	0.6538752764
## Shade_cooc.L.PET	0.193547132	0.3241958658	0.3234808838
## Prominence_cooc.L.PET	0.382913599	0.4638453014	0.4603200736
## IC1_.L.PET	-0.410155547	-0.3594833030	-0.3479052248
## IC2_.L.PET	0.472318799	0.9024606601	0.8944919469
## Coarseness_vdif_.L.PET	0.420458592	0.4877878857	0.4728571454
## Contrast_vdif_.L.PET	0.338253762	0.2363983032	0.2229164682
## Busyness_vdif_.L.PET	-0.105774123	0.3123780020	0.3219501425
## Complexity_vdif_.L.PET	0.419808551	0.7191015996	0.7113925312
## Strength_vdif_.L.PET	0.402844523	0.3016811931	0.2870712644
## SRE_align.L.PET	0.351865443	0.9994918507	0.9983333070
## LRE_align.L.PET	0.324253629	0.9915973440	0.9909222672
## GLNU_align.L.PET	-0.125221796	0.2573591529	0.2669892468
## RLNU_align.L.PET	-0.168438086	0.2314215449	0.2405923516
## RP_align.L.PET	0.353786353	0.9993023726	0.9980616745
## LGRE_align.L.PET	0.330525999	0.6342031624	0.6260985220
## HGRE_align.L.PET	0.340545546	0.6284457054	0.6250536784
## LGSRE_align.L.PET	0.333021772	0.6391136494	0.6309344271
## HGSRE_align.L.PET	0.343247370	0.6269504996	0.6234580768
## LGHRE_align.L.PET	0.317901284	0.6112816557	0.6035162883
## HGLRE_align.L.PET	0.328533681	0.6326332530	0.6296520413
## GLNU_norm_align.L.PET	0.370561167	0.6851877883	0.6749881252
## RLNU_norm_align.L.PET	0.360146635	0.9978869758	0.9964093119
## GLVAR_align.L.PET	0.407410099	0.6755077787	0.6717195042
## RLVAR_align.L.PET	0.225524984	0.6472455846	0.6422544371
## Entropy_align.L.PET	0.304337854	0.9842475359	0.9856264142
## SZSE.L.PET	0.347590701	0.9776204554	0.9768557562
## LZSE.L.PET	0.212544017	0.6917038616	0.6898627554
## LGLZE.L.PET	0.328039553	0.6459394107	0.6380686763
## HGLZE.L.PET	0.340337322	0.6380274013	0.6348033355
## SZLGE.L.PET	0.327836523	0.6554626766	0.6476903122
## SZHGE.L.PET	0.338765708	0.6332288280	0.6303567516
## LZLGE.L.PET	0.278673983	0.5118641473	0.5044617314
## LZHGE.L.PET	0.267111902	0.5215734115	0.5176914886
## GLNU_area.L.PET	-0.130743148	0.2588347779	0.2684825946
## ZSNU.L.PET	-0.171960947	0.2324909274	0.2416453234
## ZSP.L.PET	0.357303784	0.9840328186	0.9827571498
## GLNU_norm.L.PET	0.367714995	0.6854839558	0.6753367013
## ZSNU_norm.L.PET	0.371744576	0.9859369556	0.9836127629
## GLVAR_area.L.PET	0.407033008	0.6864766557	0.6827275591
## ZSVAR.L.PET	0.106443145	0.4502181429	0.4490159447
## Entropy_area.L.PET	0.293826615	0.9847301678	0.9866615382
## Max_cooc.H.PET	0.366486637	0.3139211617	0.3040240657
## Average_cooc.H.PET	0.412337050	0.9744467837	0.9717402722
## Variance_cooc.H.PET	0.170097401	0.8568711892	0.8599926610
## Entropy_cooc.H.PET	0.193390729	0.8352877383	0.8405522150
## DAVE_cooc.H.PET	0.273591707	0.8799192030	0.8795125013
## DVAR_cooc.H.PET	0.304123573	0.8561279176	0.8546186903
## DENT_cooc.H.PET	0.094783154	0.7735188229	0.7738072290
## SAVE_cooc.H.PET	0.391769582	0.9805871425	0.9785205385

## SVAR_cooc.H.PET	0.121108569	0.8444252551	0.8448632540
## SENT_cooc.H.PET	0.169574446	0.6956707215	0.6948701844
## ASM_cooc.H.PET	0.381730510	0.2998148321	0.2885329091
## Contrast_cooc.H.PET	0.260788731	0.7855283859	0.7839896918
## Dissimilarity_cooc.H.PET	0.273591707	0.8799192030	0.8795125013
## Inv_diff_cooc.H.PET	0.411405145	0.6769396997	0.6700799824
## Inv_diff_norm_cooc.H.PET	0.354004928	0.9960223178	0.9947553418
## IDM_cooc.H.PET	0.402717213	0.5729883363	0.5652213317
## IDM_norm_cooc.H.PET	0.346974552	0.9987152220	0.9977204111
## Inv_var_cooc_.H.PET	0.230837290	0.5992643377	0.5926215220
## Correlation_cooc.H.PET	0.075819356	0.6645425684	0.6701890291
## Autocorrelation_cooc.H.PET	0.445997331	0.9174309851	0.9134820368
## Tendency_cooc.H.PET	0.105865291	0.8187764639	0.8241379462
## Shade_cooc.H.PET	-0.076473998	-0.4156871340	-0.4176851021
## Prominence_cooc.H.PET	-0.048328493	0.6028756255	0.6101171664
## IC1_d.H.PET	0.023282083	-0.1076985873	-0.1109823431
## IC2_d.H.PET	0.180492494	0.7810578622	0.7832199003
## Coarseness_vdif.H.PET	0.308326943	0.4420057762	0.4306486752
## Contrast_vdif.H.PET	0.467147924	0.2949368198	0.2834036314
## Busyness_vdif.H.PET	-0.087192248	0.1179387887	0.1273118623
## Complexity_vdif.H.PET	0.350744278	0.6662596225	0.6575705580
## Strength_vdif.H.PET	0.185423324	0.0256484797	0.0192678634
## SRE_align.H.PET	0.294434022	0.9735331357	0.9736187833
## LRE_align.H.PET	0.374834966	0.6398845293	0.6350964726
## RLNU_align.H.PET	-0.175737491	0.2308434747	0.2400181283
## RP_align.H.PET	0.287362652	0.9617637907	0.9617216558
## LGRE_align.H.PET	0.269419168	0.4655603571	0.4558097572
## HGRE_align.H.PET	0.431311981	0.9226397379	0.9178004510
## LGSRE_align.H.PET	0.269673260	0.4631500867	0.4533638575
## HGSRE_align.H.PET	0.393604475	0.9674112213	0.9635486912
## LGHRE_align.H.PET	0.269404098	0.4784737765	0.4688552992
## HGLRE_align.H.PET	0.337601052	0.4398873428	0.4348709290
## GLNU_norm_align.H.PET	0.466247210	0.5171407258	0.5066395503
## RLNU_norm_align.H.PET	0.245470056	0.9114945682	0.9120116391
## GLVAR_align.H.PET	0.139388584	0.8234844692	0.8272696482
## RLVAR_align.H.PET	0.241429359	0.2854092778	0.2813922673
## Entropy_align.H.PET	0.155085655	0.9007085037	0.9052707837
## SZSE.H.PET	0.170658889	0.8573472491	0.8599117730
## LZSE.H.PET	0.009166461	-0.0590304460	-0.0611746683
## LGLZE.H.PET	0.267138095	0.4662182130	0.4565774845
## HGLZE.H.PET	0.353330956	0.8704172484	0.8650062749
## SZLGE.H.PET	0.268075783	0.4598813569	0.4501537660
## SZHGE.H.PET	0.240322835	0.8337063255	0.8317089516
## LZLGE.H.PET	0.032538707	0.0054690935	0.0027981805
## LZHGE.H.PET	0.062479470	-0.0499793763	-0.0515829037
## GLNU_area.H.PET	-0.144854686	0.2675973713	0.2784869877
## ZSNU.H.PET	-0.184016120	0.2012167478	0.2088059631
## ZSP.H.PET	0.088044595	0.6736647735	0.6768514832
## GLNU_norm.H.PET	0.474040287	0.5295467902	0.5210459069
## ZSNU_norm.H.PET	0.088686734	0.7264826391	0.7286966203
## GLVAR_area.H.PET	0.131668744	0.8026068381	0.8051080351
## ZSVAR_H.PET	0.025484458	-0.0559896613	-0.0573800414
## Entropy_area.H.PET	0.220150195	0.9476121011	0.9509460475
## Max_cooc.W.PET	0.361112643	0.3535427630	0.3425349484

## Average_cooc.W.PET	-0.036469843	0.5271920139	0.5328797298
## Variance_cooc.W.PET	-0.048193518	0.2630936804	0.2660733136
## Entropy_cooc.W.PET	0.134646218	0.8580252006	0.8627538873
## DAVE_cooc.W.PET	0.039378024	0.5531065173	0.5565393703
## DVAR_cooc.W.PET	-0.010201286	0.2965840339	0.2980426505
## DENT_cooc.W.PET	0.156457786	0.8428860077	0.8464903423
## SAVE_cooc.W.PET	-0.037058952	0.5264176557	0.5321281327
## SVAR_cooc.W.PET	-0.061929190	0.2376590655	0.2412181427
## SENT_cooc.W.PET	0.195214574	0.8975274507	0.8997078196
## ASM_cooc.W.PET	0.378866173	0.3904196604	0.3779675342
## Contrast_cooc.W.PET	-0.008281577	0.3056463996	0.3068559526
## Dissimilarity_cooc.W.PET	0.039378024	0.5531065173	0.5565393703
## Inv_diff_cooc.W.PET	0.427006789	0.7561578870	0.7495453666
## Inv_diff_norm_cooc.W.PET	0.323884187	0.9945146065	0.9939667868
## IDM_cooc.W.PET	0.417297769	0.6229635529	0.6151437660
## IDM_norm_cooc.W.PET	0.331518956	0.9980456413	0.9974227740
## Inv_var_cooc.W.PET	0.427364556	0.6930020106	0.6858138995
## Correlation_cooc.W.PET	0.105984542	0.6566487989	0.6616295947
## Autocorrelation_cooc.W.PET	-0.106388475	0.2602905577	0.2644563967
## Tendency_cooc.W.PET	-0.061929190	0.2376590655	0.2412181427
## Shade_cooc.W.PET	0.021737065	0.0462692686	0.0467053532
## Prominence_cooc.W.PET	0.014154855	0.0142762322	0.0138779858
## IC1_d.W.PET	-0.009753863	-0.1254060734	-0.1283702975
## IC2_d.W.PET	0.273157714	0.8482587952	0.8476663756
## Coarseness_vdif.W.PET	0.445715909	0.4571841496	0.4402591121
## Contrast_vdif.W.PET	0.157732989	0.4870963215	0.4843065410
## Busyness_vdif.W.PET	0.152000310	0.2307673658	0.2329926691
## Complexity_vdif.W.PET	-0.020284207	0.1721029534	0.1730661908
## Strength_vdif.W.PET	0.169644485	0.2546805531	0.2496619963
## SRE_align.W.PET	0.323412647	0.9934834982	0.9930690848
## LRE_align.W.PET	0.387627778	0.8680868992	0.8647815029
## GLNU_align.W.PET	-0.093503340	0.2628766908	0.2713325773
## RLNU_align.W.PET	-0.171087640	0.2316317769	0.2409090594
## RP_align.W.PET	0.317351446	0.9892452074	0.9888640274
## LGRE_align.W.PET	0.437299373	0.5003080211	0.4902028827
## HGRE_align.W.PET	-0.104561186	0.2629795245	0.2668287823
## LGSRE_align.W.PET	0.448840510	0.5366169690	0.5264840387
## HGSRE_align.W.PET	-0.102641390	0.2587248186	0.2624450545
## LGHRE_align.W.PET	0.363971350	0.3359901239	0.3268888370
## HGLRE_align.W.PET	-0.111831165	0.2797920780	0.2841573838
## GLNU_norm_align.W.PET	0.466123524	0.5190443123	0.5076162672
## RLNU_norm_align.W.PET	0.292898985	0.9702774910	0.9704218772
## GLVAR_align.W.PET	-0.063956009	0.2630980526	0.2665176748
## RLVAR_align.W.PET	0.295980556	0.3615287975	0.3558904193
## Entropy_align.W.PET	0.161082486	0.9031004454	0.9074262301
## SZSE.W.PET	0.264844583	0.9435420573	0.9446790445
## LZSE.W.PET	0.188308276	0.1287399410	0.1269623866
## LGLZE.W.PET	0.438217483	0.5248127585	0.5162424587
## HGLZE.W.PET	-0.098623438	0.2664950894	0.2702852801
## SZLGE.W.PET	0.434541717	0.5997138373	0.5925071409
## SZHGE.W.PET	-0.091747825	0.2544721460	0.2578856182
## LZLGE.W.PET	0.123577069	-0.0006505703	-0.0047635300
## LZHGE.W.PET	-0.084599829	0.3012933659	0.3084939682
## GLNU_area.W.PET	-0.116461514	0.2723803872	0.2820955905

## ZSNU.W.PET	-0.177742919	0.2197149495	0.2284710343
## ZSP.W.PET	0.208034269	0.8733266081	0.8744404670
## GLNU_norm.W.PET	0.471501715	0.5389708927	0.5279515033
## ZSNU_norm.W.PET	0.199572796	0.8691479761	0.8704022996
## GLVAR_area.W.PET	-0.061238185	0.2669700966	0.2704271404
## ZSVAR.W.PET	0.139474864	0.0402730720	0.0400063758
## Entropy_area.W.PET	0.204129888	0.9403266930	0.9440674632
## Min_hist.ADC	0.340296659	0.3365936571	0.3415410514
## Max_hist.ADC	0.247388160	0.8795537389	0.8800326320
## Mean_hist.ADC	0.386690737	0.8676288784	0.8687378932
## Variance_hist.ADC	0.283057980	0.4526190629	0.4334687826
## Standard_Deviation_hist.ADC	0.363000889	0.7281699621	0.7113295610
## Skewness_hist.ADC	0.111804701	0.2277208983	0.2364785307
## Kurtosis_hist.ADC	-0.052359410	0.2660685377	0.2966385022
## Energy_hist.ADC	0.357330117	0.4620108140	0.4503246947
## Entropy_hist.ADC	0.137431726	0.9494479608	0.9517934144
## AUC_hist.ADC	0.307214033	0.9758077859	0.9774067367
## Volume.ADC	-0.164257039	0.3115806397	0.3239965291
## X3D_surface.ADC	-0.306323624	0.4208038294	0.4366435675
## ratio_3ds_vol.ADC	0.758475358	0.6613451907	0.6400408311
## ratio_3ds_vol_norm.ADC	0.261004239	0.9382772580	0.9394568565
## irregularity.ADC	0.520160569	0.9626374618	0.9556937569
## Compactness_v1.ADC	0.378285591	0.6976117429	0.6885796056
##	GLNU_align.W.ADC	RLNU_align.W.ADC	RP_align.W.ADC
## Failure	-0.1483487324	-0.168578522	0.002919667
## Entropy_cooc.W.ADC	0.2075934446	0.265424697	0.025823533
## GLNU_align.H.PET	0.1275817985	0.166288711	-0.043133957
## Min_hist.PET	0.2885386130	0.274982165	0.530447931
## Max_hist.PET	0.3437109473	0.314914865	0.545536884
## Mean_hist.PET	0.3191744189	0.287812189	0.530411137
## Variance_hist.PET	0.2243798093	0.183267801	0.263022287
## Standard_Deviation_hist.PET	0.3447981331	0.293768704	0.537990185
## Skewness_hist.PET	0.1541542004	0.219859024	0.538012915
## Kurtosis_hist.PET	0.0299033128	0.104310358	0.153962028
## Energy_hist.PET	0.0303537335	0.075997932	0.453858187
## Entropy_hist.PET	0.3828014984	0.412637406	0.871536397
## AUC_hist.PET	0.3743999710	0.360438618	0.995544203
## H_suv.PET	0.3637438785	0.320398330	0.563503530
## Volume.PET	0.3646842984	0.352032999	0.323209734
## X3D_surface.PET	0.2338491630	0.244443038	0.222026311
## ratio_3ds_vol.PET	0.0312440983	0.044666493	0.578422876
## ratio_3ds_vol_norm.PET	0.2586810342	0.259470293	0.586908586
## irregularity.PET	0.2762046700	0.263005583	0.969348669
## tumor_length.PET	0.3974346257	0.388279319	0.601913833
## Compactness_v1.PET	0.1637958767	0.190572714	0.559028392
## Compactness_v2.PET	0.2136621275	0.152164185	0.227725481
## Spherical_disproportion.PET	0.2586810342	0.259470293	0.586908586
## Sphericity.PET	0.2036343219	0.151104411	0.226828319
## Asphericity.PET	0.2513189556	0.253011026	0.565056756
## Center_of_mass.PET	0.3050651241	0.300458270	0.370797812
## Max_3D_diam.PET	0.3539993776	0.327549030	0.458332219
## Major_axis_length.PET	0.3526136649	0.347427189	0.504020143
## Minor_axis_length.PET	0.4988846500	0.464668399	0.656931994
## Least_axis_length.PET	0.4840535665	0.432878133	0.554663364

## Elongation.PET	0.3627136808	0.320189030	0.858772673
## Flatness.PET	0.3936935726	0.329350466	0.794323383
## Max_cooc.L.PET	0.0645859154	0.113054688	0.478348889
## Average_cooc.L.PET	0.2436859317	0.177637224	0.812768030
## Variance_cooc.L.PET	0.0864077216	0.038622616	0.648975978
## Entropy_cooc.L.PET	0.4003808008	0.359591755	0.979168791
## DAVE_cooc.L.PET	0.1503931889	0.110186160	0.759647034
## DVAR_cooc.L.PET	0.0964227098	0.044847588	0.671946266
## DENT_cooc.L.PET	0.3219976423	0.287462978	0.970534498
## SAVE_cooc.L.PET	0.2437018038	0.177568412	0.812569842
## SVAR_cooc.L.PET	0.1141073103	0.061512151	0.656914152
## SENT_cooc.L.PET	0.3310079532	0.303215444	0.976395208
## ASM_cooc.L.PET	0.0705255093	0.118215566	0.449227165
## Contrast_cooc.L.PET	0.0307707521	-0.002961485	0.548931548
## Dissimilarity_cooc.L.PET	0.1503931889	0.110186160	0.759647034
## Inv_diff_cooc.L.PET	0.3705095096	0.380955805	0.854170422
## Inv_diff_norm_cooc.L.PET	0.3829307127	0.363096196	0.994049072
## IDM_cooc.L.PET	0.3328033847	0.356324258	0.765844956
## IDM_norm_cooc.L.PET	0.3769115591	0.354760175	0.997788186
## Inv_var_cooc.L.PET	0.3504198830	0.374210822	0.770034263
## Correlation_cooc.L.PET	0.3416408963	0.321545030	0.656817730
## Autocorrelation_cooc.L.PET	0.1380010612	0.067857935	0.606962432
## Tendency_cooc.L.PET	0.1141073103	0.061512151	0.656914152
## Shade_cooc.L.PET	0.0639073346	0.082530732	0.324223157
## Prominence_cooc.L.PET	0.0151351260	-0.016260580	0.464097090
## IC1_.L.PET	0.1253508457	0.154781243	-0.360277449
## IC2_.L.PET	0.1960752786	0.175839449	0.902913799
## Coarseness_vdif_.L.PET	-0.0257269952	0.011572444	0.488789000
## Contrast_vdif_.L.PET	-0.0976699127	-0.104684293	0.237345318
## Busyness_vdif_.L.PET	0.3466323233	0.339836921	0.311635961
## Complexity_vdif_.L.PET	0.1294133625	0.112019765	0.719586809
## Strength_vdif_.L.PET	-0.1811204791	-0.164115961	0.302687717
## SRE_align.L.PET	0.3610491000	0.336744942	0.999446351
## LRE_align.L.PET	0.3767692121	0.354146078	0.991506732
## GLNU_align.L.PET	0.2994707846	0.282980278	0.256608351
## RLNU_align.L.PET	0.3209615017	0.299745945	0.230703369
## RP_align.L.PET	0.3590865933	0.334748194	0.999263103
## LGRE_align.L.PET	0.1251652381	0.173706702	0.634674925
## HGRE_align.L.PET	0.1534599068	0.086292740	0.628654854
## LGSRE_align.L.PET	0.1269122444	0.175418934	0.639591274
## HGSRE_align.L.PET	0.1497381264	0.083158461	0.627167709
## LGHRE_align.L.PET	0.1179155043	0.166114511	0.611727617
## HGLRE_align.L.PET	0.1684676338	0.099020785	0.632809211
## GLNU_norm_align.L.PET	0.1480661375	0.198423133	0.685806208
## RLNU_norm_align.L.PET	0.3523879525	0.327625989	0.997866355
## GLVAR_align.L.PET	0.1300319006	0.072919300	0.675745436
## RLVAR_align.L.PET	0.2511620725	0.279069525	0.647479171
## Entropy_align.L.PET	0.3946937624	0.353236189	0.984028593
## SZSE.L.PET	0.3556172327	0.332493095	0.977557845
## LZSE.L.PET	0.2650684807	0.247242824	0.691706609
## LGLZE.L.PET	0.1299754248	0.177507857	0.646393746
## HGLZE.L.PET	0.1550865918	0.087456347	0.638223425
## SZLGE.L.PET	0.1356343105	0.182950732	0.655913359
## SZHGE.L.PET	0.1516444108	0.086987111	0.633405041

## LZLGE.L.PET	0.0959243536	0.144508837	0.512282820
## LZHGE.L.PET	0.1432155172	0.078231902	0.521801177
## GLNU_area.L.PET	0.3058234849	0.290543625	0.258083642
## ZSNU.L.PET	0.3249366868	0.305057819	0.231776654
## ZSP.L.PET	0.3476490797	0.325333496	0.984004814
## GLNU_norm.L.PET	0.1505979256	0.200668213	0.686098249
## ZSNU_norm.L.PET	0.3338715634	0.311923625	0.985979808
## GLVAR_area.L.PET	0.1304696707	0.073411851	0.686708790
## ZSVAR.L.PET	0.2293251431	0.224003031	0.450196407
## Entropy_area.L.PET	0.4041330706	0.362361033	0.984470401
## Max_cooc.H.PET	-0.0785662243	-0.031408542	0.314561559
## Average_cooc.H.PET	0.2989880589	0.283344373	0.974512111
## Variance_cooc.H.PET	0.4107822060	0.351150136	0.856550266
## Entropy_cooc.H.PET	0.3747432926	0.302704550	0.834841026
## DAVE_cooc.H.PET	0.3425217738	0.303288129	0.879858838
## DVAR_cooc.H.PET	0.3213789577	0.280482217	0.856149788
## DENT_cooc.H.PET	0.3459750595	0.374779486	0.773341367
## SAVE_cooc.H.PET	0.3335860385	0.322504353	0.980599950
## SVAR_cooc.H.PET	0.4216178218	0.429380285	0.844251906
## SENT_cooc.H.PET	0.2917170230	0.271668995	0.695648603
## ASM_cooc.H.PET	-0.0713102000	-0.024210062	0.300564297
## Contrast_cooc.H.PET	0.2992449190	0.258940986	0.785569729
## Dissimilarity_cooc.H.PET	0.3425217738	0.303288129	0.879858838
## Inv_diff_cooc.H.PET	0.1313927793	0.153485930	0.677315560
## Inv_diff_norm_cooc.H.PET	0.3582620564	0.337992293	0.995978142
## IDM_cooc.H.PET	0.0742984547	0.104038180	0.573441150
## IDM_norm_cooc.H.PET	0.3639493729	0.341672929	0.998653154
## Inv_var_cooc.H.PET	0.2041839587	0.235264268	0.599643174
## Correlation_cooc.H.PET	0.3505772387	0.319428432	0.664022619
## Autocorrelation_cooc.H.PET	0.2397889062	0.231562551	0.917589648
## Tendency_cooc.H.PET	0.4343160894	0.369564678	0.818288423
## Shade_cooc.H.PET	-0.1286712952	-0.064450531	-0.415491112
## Prominence_cooc.H.PET	0.4076096527	0.335945160	0.602276766
## IC1_d.H.PET	-0.0982314580	-0.070836158	-0.107420803
## IC2_d.H.PET	0.3666728345	0.336895173	0.780776679
## Coarseness_vdif.H.PET	0.0521543090	0.096731580	0.442751295
## Contrast_vdif.H.PET	-0.0968881149	-0.101278017	0.295735088
## Busyness_vdif.H.PET	0.2576227464	0.226565542	0.117273076
## Complexity_vdif.H.PET	0.1401450030	0.143974492	0.666813683
## Strength_vdif.H.PET	-0.1016704288	-0.097826486	0.026112633
## SRE_align.H.PET	0.3797664198	0.348665130	0.973406870
## LRE_align.H.PET	0.1416805062	0.159423589	0.640109880
## RLNU_align.H.PET	0.3192106247	0.298026840	0.230129321
## RP_align.H.PET	0.3753654653	0.343439707	0.961649873
## LGRE_align.H.PET	0.0929349551	0.133889532	0.466187081
## HGRE_align.H.PET	0.2547470742	0.254214046	0.922858024
## LGSRE_align.H.PET	0.0913545815	0.132564334	0.463779803
## HGSRE_align.H.PET	0.2948542254	0.288106674	0.967559096
## LGHRE_align.H.PET	0.1010438676	0.141037062	0.479087917
## HGLRE_align.H.PET	0.0744980835	0.086406162	0.440165663
## GLNU_norm_align.H.PET	-0.0125386366	0.029215238	0.517811856
## RLNU_norm_align.H.PET	0.3710081048	0.335359624	0.911350759
## GLVAR_align.H.PET	0.4190864392	0.358565325	0.823116102
## RLVAR_align.H.PET	0.0483596681	0.072134015	0.285622297

## Entropy_align.H.PET	0.4519561715	0.405008000	0.900263428
## SZSE.H.PET	0.3934274019	0.359753401	0.857056239
## LZSE.H.PET	-0.0354245588	-0.007382696	-0.058912655
## LGLZE.H.PET	0.0939989681	0.134130964	0.466837226
## HGLZE.H.PET	0.2558070168	0.293474469	0.870648618
## SZLGE.H.PET	0.0893718859	0.130737941	0.460507495
## SZHGE.H.PET	0.3021513593	0.301683755	0.833724988
## LZLGE.H.PET	-0.0094594319	0.018627601	0.005607915
## LZHGE.H.PET	-0.0453696575	-0.032738846	-0.049888722
## GLNU_area.H.PET	0.3333124440	0.310779490	0.266764107
## ZSNU.H.PET	0.2911933557	0.277344044	0.200621842
## ZSP.H.PET	0.3296315200	0.294354553	0.673364660
## GLNU_norm.H.PET	-0.0036585215	0.016344091	0.530089691
## ZSNU_norm.H.PET	0.3542464642	0.322877025	0.726229590
## GLVAR_area.H.PET	0.4148548651	0.364059808	0.802328470
## ZSVAR_H.PET	-0.0373132774	-0.016950576	-0.055924942
## Entropy_area.H.PET	0.4439198848	0.407838762	0.947246764
## Max_cooc.W.PET	-0.0460397511	0.001523652	0.354265870
## Average_cooc.W.PET	0.3414922777	0.282083181	0.526722833
## Variance_cooc.W.PET	0.2075443448	0.169437246	0.262843105
## Entropy_cooc.W.PET	0.4312847723	0.381631903	0.857583112
## DAVE_cooc.W.PET	0.2946539332	0.246662434	0.552807977
## DVAR_cooc.W.PET	0.1886438340	0.154627920	0.296446427
## DENT_cooc.W.PET	0.3961100198	0.351762228	0.842529320
## SAVE_cooc.W.PET	0.3414253810	0.281907638	0.525946972
## SVAR_cooc.W.PET	0.2111612014	0.173973814	0.237364755
## SENT_cooc.W.PET	0.4062048399	0.368235508	0.897260944
## ASM_cooc.W.PET	-0.0173917471	0.033499422	0.391243593
## Contrast_cooc.W.PET	0.1794511549	0.142280591	0.305531858
## Dissimilarity_cooc.W.PET	0.2946539332	0.246662434	0.552807977
## Inv_diff_cooc.W.PET	0.1691992202	0.185909934	0.756512046
## Inv_diff_norm_cooc.W.PET	0.3801822719	0.360286076	0.994416245
## IDM_cooc.W.PET	0.0965813320	0.123161838	0.623417406
## IDM_norm_cooc.W.PET	0.3758701553	0.353591845	0.997955790
## Inv_var_cooc.W.PET	0.1378318786	0.159843469	0.693403667
## Correlation_cooc.W.PET	0.3455560259	0.325812260	0.656180919
## Autocorrelation_cooc.W.PET	0.2388746505	0.191153241	0.259953835
## Tendency_cooc.W.PET	0.2111612014	0.173973814	0.237364755
## Shade_cooc.W.PET	0.0712048589	0.062909809	0.046214223
## Prominence_cooc.W.PET	0.0477143194	0.037527917	0.014283562
## IC1_d.W.PET	-0.0731692713	-0.035812864	-0.125153517
## IC2_d.W.PET	0.3350341067	0.307557446	0.848172706
## Coarseness_vdif.W.PET	-0.0620906654	-0.028136513	0.458331735
## Contrast_vdif.W.PET	0.1407394590	0.099239726	0.487273607
## Busyness_vdif.W.PET	0.1017661459	0.110131900	0.230580629
## Complexity_vdif.W.PET	0.1609851955	0.135384714	0.171992353
## Strength_vdif.W.PET	-0.0474924080	-0.045370403	0.254996487
## SRE_align.W.PET	0.3754554015	0.347529940	0.993386960
## LRE_align.W.PET	0.2705342184	0.264698545	0.868192673
## GLNU_align.W.PET	0.3001847094	0.290501020	0.262204282
## RLNU_align.W.PET	0.3190428737	0.297388348	0.230908165
## RP_align.W.PET	0.3756267346	0.346965203	0.989147797
## LGRE_align.W.PET	-0.0144757903	0.036777247	0.500948093
## HGRE_align.W.PET	0.2450217786	0.198164263	0.262665163

## LGSRE_align.W.PET	-0.0004912431	0.048962692	0.537256301
## HGSRE_align.W.PET	0.2399424672	0.193832106	0.258420653
## LGHRE_align.W.PET	-0.0571971099	-0.003361843	0.336572515
## HGLRE_align.W.PET	0.2649549839	0.214811257	0.279436343
## GLNU_norm_align.W.PET	-0.0140883202	0.032471877	0.519780155
## RLNU_norm_align.W.PET	0.3793218003	0.347147222	0.970147347
## GLVAR_align.W.PET	0.2251005312	0.183913851	0.262814045
## RLVAR_align.W.PET	0.0459707107	0.072455745	0.361852849
## Entropy_align.W.PET	0.4473066987	0.399796587	0.902674518
## SZSE.W.PET	0.3889236884	0.358398759	0.943344196
## LZSE.W.PET	-0.0341506730	-0.035786230	0.128829239
## LGLZE.W.PET	0.0083529273	0.050384821	0.525344036
## HGLZE.W.PET	0.2390418320	0.192829036	0.266184048
## SZLGE.W.PET	0.0607617960	0.097253302	0.600140106
## SZHGE.W.PET	0.2205358915	0.177453640	0.254190419
## LZLGE.W.PET	-0.0886473304	-0.059119425	-0.000382903
## LZHGE.W.PET	0.2926735025	0.211626525	0.300725254
## GLNU_area.W.PET	0.3230755817	0.308136505	0.271624291
## ZSNU.W.PET	0.3081402043	0.290283083	0.219033294
## ZSP.W.PET	0.3805231305	0.351419669	0.873140613
## GLNU_norm.W.PET	-0.0069102948	0.033068115	0.539679017
## ZSNU_norm.W.PET	0.3774889713	0.344882440	0.868944074
## GLVAR_area.W.PET	0.2222513312	0.181252647	0.266681854
## ZSVAR.W.PET	-0.0496364325	-0.054193523	0.040266298
## Entropy_area.W.PET	0.4447949764	0.402391118	0.939936691
## Min_hist.ADC	-0.1931301616	-0.294116395	0.336304365
## Max_hist.ADC	0.5027199672	0.542519922	0.879348281
## Mean_hist.ADC	0.2500605361	0.227964260	0.867423403
## Variance_hist.ADC	0.2546996026	0.472182130	0.453772388
## Standard_Deviation_hist.ADC	0.3310294935	0.489485728	0.729150193
## Skewness_hist.ADC	0.1990664908	0.137365161	0.227185754
## Kurtosis_hist.ADC	0.3859567403	0.186468768	0.263933590
## Energy_hist.ADC	0.0416364102	0.081382524	0.462788511
## Entropy_hist.ADC	0.4888175238	0.493450455	0.949120868
## AUC_hist.ADC	0.4311896349	0.398198305	0.975585221
## Volume.ADC	0.3684870380	0.357849322	0.310651813
## X3D_surface.ADC	0.7871605551	0.840833509	0.419581054
## ratio_3ds_vol.ADC	-0.1753417714	-0.190249624	0.662825616
## ratio_3ds_vol_norm.ADC	0.4274850533	0.411101771	0.938064913
## irregularity.ADC	0.1974012053	0.169322877	0.963025950
## Compactness_v1.ADC	0.1503191885	0.171902647	0.698164546
##	LGRE_align.W.ADC	HGRE_align.W.ADC	LGSRE_align.W.ADC
## Failure	0.055509217	-0.2042731673	0.058054511
## Entropy_cooc.W.ADC	-0.009989195	0.2015473257	-0.013703381
## GLNU_align.H.PET	0.076463631	0.1099648031	0.073330323
## Min_hist.PET	0.089356615	0.2222658039	0.090045739
## Max_hist.PET	0.103662034	0.2749721798	0.103930241
## Mean_hist.PET	0.084398548	0.2041315039	0.085103085
## Variance_hist.PET	0.018667940	0.0597939290	0.019356239
## Standard_Deviation_hist.PET	0.122764805	0.2332687044	0.123512256
## Skewness_hist.PET	0.293206671	0.5136463031	0.292722522
## Kurtosis_hist.PET	0.130409254	0.3115609401	0.130426808
## Energy_hist.PET	0.961073064	0.1622691728	0.963524068
## Entropy_hist.PET	0.293514625	0.5863782806	0.291751240

## AUC_hist.PET	0.492909977	0.5131554471	0.492805744
## H_suv.PET	0.207988210	0.2585922096	0.210007966
## Volume.PET	-0.140240759	0.1858705831	-0.142956580
## X3D_surface.PET	0.134291116	0.2361356905	0.131958456
## ratio_3ds_vol.PET	0.616567720	0.2516879574	0.619389902
## ratio_3ds_vol_norm.PET	0.628314457	0.3136975429	0.629068604
## irregularity.PET	0.459437815	0.4824929982	0.459763449
## tumor_length.PET	0.342489890	0.4026342184	0.340376699
## Compactness_v1.PET	0.897953650	0.2283547886	0.899566479
## Compactness_v2.PET	-0.251931147	0.0967878425	-0.253526246
## Spherical_disproportion.PET	0.628314457	0.3136975429	0.629068604
## Sphericity.PET	-0.396149329	0.1307014286	-0.397880154
## Asphericity.PET	0.626435263	0.3029609797	0.627204534
## Center_of_mass.PET	0.191671895	0.2898912146	0.189564741
## Max_3D_diam.PET	-0.144021776	0.2954596201	-0.146102100
## Major_axis_length.PET	-0.003693737	0.2829471299	-0.005719656
## Minor_axis_length.PET	0.150926433	0.4273802412	0.149020554
## Least_axis_length.PET	0.031669222	0.3490650001	0.029563864
## Elongation.PET	0.477559850	0.4561840529	0.478078407
## Flatness.PET	0.374925591	0.3844971253	0.375048518
## Max_cooc.L.PET	0.972093199	0.1940260122	0.974305377
## Average_cooc.L.PET	0.355866892	0.2178047112	0.357423300
## Variance_cooc.L.PET	0.322434555	0.1518043303	0.324344650
## Entropy_cooc.L.PET	0.372719022	0.4670488250	0.372673003
## DAVE_cooc.L.PET	0.353059023	0.2707898680	0.355128113
## DVAR_cooc.L.PET	0.370393304	0.2449613119	0.373404638
## DENT_cooc.L.PET	0.408411820	0.4466848002	0.409170394
## SAVE_cooc.L.PET	0.354811149	0.2176908510	0.356365510
## SVAR_cooc.L.PET	0.313691032	0.1303276195	0.315047952
## SENT_cooc.L.PET	0.492923535	0.4469887014	0.493643089
## ASM_cooc.L.PET	0.976734173	0.1798662810	0.978903756
## Contrast_cooc.L.PET	0.292641717	0.1654402732	0.295172716
## Dissimilarity_cooc.L.PET	0.353059023	0.2707898680	0.355128113
## Inv_diff_cooc.L.PET	0.535567914	0.5275857371	0.534536468
## Inv_diff_norm_cooc.L.PET	0.451911470	0.5184307293	0.451666856
## IDM_cooc.L.PET	0.588444793	0.5021169740	0.587422233
## IDM_norm_cooc.L.PET	0.449760176	0.5102664051	0.449651578
## Inv_var_cooc.L.PET	0.586409010	0.5098282938	0.585293313
## Correlation_cooc.L.PET	0.336834490	0.3168453295	0.334299643
## Autocorrelation_cooc.L.PET	0.299351776	0.0433550928	0.301464142
## Tendency_cooc.L.PET	0.313691032	0.1303276195	0.315047952
## Shade_cooc.L.PET	0.126805016	0.2002296798	0.126366273
## Prominence_cooc.L.PET	0.251490429	0.0579388762	0.253030137
## IC1_.L.PET	0.021954043	-0.0517963254	0.021617684
## IC2_.L.PET	0.532363295	0.3868092444	0.532773211
## Coarseness_vdif_.L.PET	0.904854433	0.1291107934	0.907630349
## Contrast_vdif_.L.PET	0.209374209	0.0648763848	0.211436380
## Busyness_vdif_.L.PET	-0.032741220	0.3267686615	-0.034685769
## Complexity_vdif_.L.PET	0.406906444	0.3231864768	0.409223721
## Strength_vdif_.L.PET	0.295782956	0.0657948294	0.297882998
## SRE_align.L.PET	0.456042273	0.4961919207	0.456203110
## LRE_align.L.PET	0.438664958	0.5211193386	0.438416857
## GLNU_align.L.PET	-0.016519814	0.2593455687	-0.018857085
## RLNU_align.L.PET	-0.065131628	0.2070134327	-0.067620505

## RP_align.L.PET	0.456098184	0.4949807589	0.456290666
## LGRE_align.L.PET	0.650142641	0.4429534615	0.650430943
## HGRE_align.L.PET	0.308588173	0.0702456748	0.310884345
## LGSRE_align.L.PET	0.660193759	0.4415762880	0.660537028
## HGSRE_align.L.PET	0.309880333	0.0692098964	0.312199686
## LGHRE_align.L.PET	0.608576896	0.4449508762	0.608647891
## HGLRE_align.L.PET	0.302208844	0.0750660117	0.304393164
## GLNU_norm_align.L.PET	0.880707441	0.3826841770	0.882152292
## RLNU_norm_align.L.PET	0.457241124	0.4894899101	0.457534148
## GLVAR_align.L.PET	0.327769366	0.1503638342	0.329658201
## RLVAR_align.L.PET	0.812811811	0.3729477721	0.812824803
## Entropy_align.L.PET	0.388821692	0.4611658389	0.388790947
## SZSE.L.PET	0.461742011	0.4644427357	0.461941800
## LZSE.L.PET	0.272165444	0.4445054531	0.271680001
## LGLZE.L.PET	0.661954751	0.4465368036	0.662282363
## HGLZE.L.PET	0.310045719	0.0777604703	0.312350228
## SZLGE.L.PET	0.692664229	0.4308517243	0.693109921
## SZHGE.L.PET	0.317060060	0.0721594826	0.319330016
## LZLGE.L.PET	0.474812950	0.4409280436	0.474236908
## LZHGE.L.PET	0.221099468	0.0869307082	0.222919326
## GLNU_area.L.PET	-0.021993494	0.2551042328	-0.024383074
## ZSNU.L.PET	-0.075035204	0.1994289989	-0.077481281
## ZSP.L.PET	0.458997819	0.4659884113	0.459308042
## GLNU_norm.L.PET	0.884729913	0.3819039767	0.886143955
## ZSNU_norm.L.PET	0.459612924	0.4654227570	0.460081271
## GLVAR_area.L.PET	0.334957996	0.1566672018	0.336854282
## ZSVAR.L.PET	0.331818442	0.3666419979	0.330753613
## Entropy_area.L.PET	0.386134887	0.4719234087	0.385993339
## Max_cooc.H.PET	0.436508665	0.1193529751	0.435584031
## Average_cooc.H.PET	0.435915143	0.4868381243	0.435657743
## Variance_cooc.H.PET	0.299129096	0.3833859194	0.300297752
## Entropy_cooc.H.PET	0.253863887	0.3447688861	0.254995932
## DAVE_cooc.H.PET	0.325184925	0.4345366375	0.327049638
## DVAR_cooc.H.PET	0.335060498	0.3883532372	0.337360086
## DENT_cooc.H.PET	0.211135366	0.5359596516	0.208972996
## SAVE_cooc.H.PET	0.420787004	0.5215113752	0.420081819
## SVAR_cooc.H.PET	0.332277199	0.4626888270	0.330965514
## SENT_cooc.H.PET	0.564837988	0.3293646839	0.566629481
## ASM_cooc.H.PET	0.524086735	0.0732720830	0.523899929
## Contrast_cooc.H.PET	0.288811183	0.3680517066	0.291399965
## Dissimilarity_cooc.H.PET	0.325184925	0.4345366375	0.327049638
## Inv_diff_cooc.H.PET	0.493116525	0.3235382529	0.491747392
## Inv_diff_norm_cooc.H.PET	0.467978833	0.5003623357	0.467746500
## IDM_cooc.H.PET	0.469126243	0.2701209572	0.467715775
## IDM_norm_cooc.H.PET	0.458304352	0.5032045906	0.458182632
## Inv_var_cooc_.H.PET	0.861795537	0.2941459799	0.863717469
## Correlation_cooc.H.PET	0.333239855	0.2973680806	0.330766230
## Autocorrelation_cooc.H.PET	0.442087990	0.4456125427	0.441519085
## Tendency_cooc.H.PET	0.277824020	0.3573860891	0.278120793
## Shade_cooc.H.PET	-0.157103323	-0.1112226045	-0.158143851
## Prominence_cooc.H.PET	0.160101196	0.2353312088	0.160432964
## IC1_d.H.PET	0.314548150	-0.0704445956	0.318872114
## IC2_d.H.PET	0.380541799	0.3827186870	0.378722906
## Coarseness_vdif.H.PET	0.972842342	0.1596211623	0.975216835

## Contrast_vdif.H.PET	0.282534092	-0.0043261737	0.284075609
## Busyness_vdif.H.PET	-0.399767660	0.2008570060	-0.400691434
## Complexity_vdif.H.PET	0.639215076	0.3106393940	0.642185704
## Strength_vdif.H.PET	0.124206403	-0.0894280777	0.125329948
## SRE_align.H.PET	0.420742877	0.4904255236	0.421443154
## LRE_align.H.PET	0.358958217	0.3464858912	0.356252761
## RLNU_align.H.PET	-0.055622582	0.1755960189	-0.057842795
## RP_align.H.PET	0.413572933	0.4795786806	0.414440488
## LGRE_align.H.PET	0.970314691	0.1655829522	0.972555219
## HGRE_align.H.PET	0.435866363	0.4553972579	0.435398078
## LGSRE_align.H.PET	0.970430280	0.1644885021	0.972679952
## HGSRE_align.H.PET	0.421257000	0.4942741158	0.421446567
## LGHRE_align.H.PET	0.970589410	0.1731169204	0.972731173
## HGLRE_align.H.PET	0.285819851	0.2112745657	0.283562357
## GLNU_norm_align.H.PET	0.476317491	0.2319754021	0.475741479
## RLNU_norm_align.H.PET	0.379986057	0.4562359938	0.381189370
## GLVAR_align.H.PET	0.276247295	0.3744027827	0.277263698
## RLVAR_align.H.PET	0.257785014	0.1862269664	0.254652919
## Entropy_align.H.PET	0.304285946	0.4521035649	0.304091182
## SZSE.H.PET	0.347982877	0.4538235635	0.348865953
## LZSE.H.PET	-0.018866368	0.0349568305	-0.022812646
## LGLZE.H.PET	0.968387083	0.1629608538	0.970627442
## HGLZE.H.PET	0.373590152	0.5762410689	0.371868717
## SZLGE.H.PET	0.969194511	0.1607898117	0.971437560
## SZHGE.H.PET	0.304224337	0.5142140617	0.304604655
## LZLGE.H.PET	0.117081586	0.0517648159	0.112962884
## LZHGE.H.PET	0.021811097	-0.0006733383	0.018685727
## GLNU_area.H.PET	-0.078116703	0.2589195354	-0.080125207
## ZSNU.H.PET	-0.062835670	0.1113044841	-0.064811879
## ZSP.H.PET	0.224817205	0.3463868049	0.226552794
## GLNU_norm.H.PET	0.480123326	0.1969836224	0.479980929
## ZSNU_norm.H.PET	0.273462606	0.3853351392	0.274805552
## GLVAR_area.H.PET	0.264027508	0.3807743153	0.264874783
## ZSVAR.H.PET	0.005374627	0.0206048689	0.001514492
## Entropy_area.H.PET	0.350437655	0.4988524936	0.349912371
## Max_cooc.W.PET	0.645961031	0.1060167276	0.646367308
## Average_cooc.W.PET	0.096832275	0.1785785585	0.097573454
## Variance_cooc.W.PET	0.026976557	0.0679265286	0.027791363
## Entropy_cooc.W.PET	0.265279921	0.4318657613	0.265733878
## DAVE_cooc.W.PET	0.121029625	0.2422634963	0.122563232
## DVAR_cooc.W.PET	0.016687404	0.1008228120	0.018167122
## DENT_cooc.W.PET	0.273470230	0.4326380693	0.274395962
## SAVE_cooc.W.PET	0.094847618	0.1782775196	0.095584471
## SVAR_cooc.W.PET	0.029870899	0.0556055735	0.030368574
## SENT_cooc.W.PET	0.391002818	0.4540149363	0.391715389
## ASM_cooc.W.PET	0.813624058	0.1108077853	0.814779259
## Contrast_cooc.W.PET	0.015756908	0.0939114575	0.017326544
## Dissimilarity_cooc.W.PET	0.121029625	0.2422634963	0.122563232
## Inv_diff_cooc.W.PET	0.505100626	0.3716187032	0.504080728
## Inv_diff_norm_cooc.W.PET	0.454083588	0.5174041215	0.453848189
## IDM_cooc.W.PET	0.479066990	0.2962686582	0.477837452
## IDM_norm_cooc.W.PET	0.450641294	0.5102929138	0.450541943
## Inv_var_cooc.W.PET	0.508044745	0.3440242980	0.507010038
## Correlation_cooc.W.PET	0.334025816	0.3184111774	0.331503318

## Autocorrelation_cooc.W.PET	-0.010297706	0.0111929594	-0.009774828
## Tendency_cooc.W.PET	0.029870899	0.0556055735	0.030368574
## Shade_cooc.W.PET	0.035013020	0.0364359567	0.035443646
## Prominence_cooc.W.PET	0.008241771	-0.0092571789	0.008620516
## IC1_d.W.PET	0.385025008	-0.0805525245	0.388737905
## IC2_d.W.PET	0.433623201	0.4232604369	0.432575040
## Coarseness_vdif.W.PET	0.835043966	0.0947629825	0.837917564
## Contrast_vdif.W.PET	0.243110776	0.1531420147	0.245804480
## Busyness_vdif.W.PET	-0.032755060	0.1710380437	-0.036087485
## Complexity_vdif.W.PET	0.013951199	0.0516844172	0.014472526
## Strength_vdif.W.PET	0.166465448	0.1447806078	0.168252353
## SRE_align.W.PET	0.440135575	0.5003014309	0.440505508
## LRE_align.W.PET	0.434346069	0.4398700911	0.432987809
## GLNU_align.W.PET	-0.064721949	0.3250640339	-0.067569515
## RLNU_align.W.PET	-0.056038730	0.1914773498	-0.058382514
## RP_align.W.PET	0.435386516	0.4968852765	0.435866763
## LGRE_align.W.PET	0.455013878	0.2804301963	0.453967548
## HGRE_align.W.PET	-0.018567831	0.0211613841	-0.017998273
## LGSRE_align.W.PET	0.481581723	0.3056520152	0.480768814
## HGSRE_align.W.PET	-0.020259714	0.0191280544	-0.019657761
## LGHRE_align.W.PET	0.332817539	0.1792019879	0.330781378
## HGLRE_align.W.PET	-0.011765353	0.0305739675	-0.011340638
## GLNU_norm_align.W.PET	0.572424439	0.2249013367	0.572290785
## RLNU_norm_align.W.PET	0.417060079	0.4905110531	0.417779047
## GLVAR_align.W.PET	0.016351060	0.0612132754	0.017037231
## RLVAR_align.W.PET	0.394326387	0.1883125059	0.391981509
## Entropy_align.W.PET	0.302665741	0.4524837048	0.302667910
## SZSE.W.PET	0.413351221	0.4771139621	0.413990344
## LZSE.W.PET	0.143315614	0.0474805601	0.140985404
## LGLZE.W.PET	0.475571577	0.2882007256	0.474679097
## HGLZE.W.PET	-0.017588943	0.0266944428	-0.016983590
## SZLGE.W.PET	0.548290058	0.3455673756	0.547969349
## SZHGE.W.PET	-0.021280270	0.0195578988	-0.020585050
## LZLGE.W.PET	0.064397953	-0.0079680248	0.061678718
## LZHGE.W.PET	0.039124406	0.0645134220	0.039073543
## GLNU_area.W.PET	-0.070434468	0.3039097165	-0.072879079
## ZSNU.W.PET	-0.057279860	0.1551629056	-0.059428477
## ZSP.W.PET	0.346444406	0.4535630147	0.347541271
## GLNU_norm.W.PET	0.588906017	0.2174145026	0.588952477
## ZSNU_norm.W.PET	0.350327259	0.4587161102	0.351508316
## GLVAR_area.W.PET	0.020763302	0.0675014484	0.021468477
## ZSVAR.W.PET	0.105352858	0.0135408799	0.102915588
## Entropy_area.W.PET	0.335987801	0.4793010453	0.335570625
## Min_hist.ADC	0.204717126	-0.3672332886	0.208899683
## Max_hist.ADC	0.347782953	0.7026190628	0.345760435
## Mean_hist.ADC	0.338595288	0.5846598072	0.339774030
## Variance_hist.ADC	0.317299300	0.7152745037	0.311033000
## Standard_Deviation_hist.ADC	0.384987584	0.7565548104	0.380413527
## Skewness_hist.ADC	0.105720437	-0.3143687023	0.108737679
## Kurtosis_hist.ADC	0.058234582	0.1456518693	0.060188583
## Energy_hist.ADC	0.980248797	0.1386512648	0.982766622
## Entropy_hist.ADC	0.365412967	0.6100233559	0.363738479
## AUC_hist.ADC	0.445845394	0.4552650395	0.446675594
## Volume.ADC	-0.148632221	0.1993313886	-0.151304487

## X3D_surface.ADC	0.096911278	0.5071708810	0.092065386
## ratio_3ds_vol.ADC	0.506913882	0.0962130895	0.510361007
## ratio_3ds_vol_norm.ADC	0.353099442	0.5558027501	0.352399135
## irregularity.ADC	0.469316591	0.3875790252	0.470523222
## Compactness_v1.ADC	0.922916216	0.2648703350	0.925004234
##	HGSRE_align.W.ADC	LGHRE_align.W.ADC	
## Failure	-0.2040719861	0.041735460	
## Entropy_cooc.W.ADC	0.2015450387	0.009843056	
## GLNU_align.H.PET	0.1100064550	0.092943535	
## Min_hist.PET	0.2217802276	0.085397208	
## Max_hist.PET	0.2745257831	0.101899170	
## Mean_hist.PET	0.2036772521	0.080385717	
## Variance_hist.PET	0.0597312793	0.015069271	
## Standard_Deviation_hist.PET	0.2327234255	0.118487156	
## Skewness_hist.PET	0.5129722492	0.294752981	
## Kurtosis_hist.PET	0.3115457922	0.129984214	
## Energy_hist.PET	0.1627074619	0.945180080	
## Entropy_hist.PET	0.5860584325	0.301431394	
## AUC_hist.PET	0.5126369892	0.491660254	
## H_suv.PET	0.2581229074	0.196758092	
## Volume.PET	0.1855363318	-0.125899629	
## X3D_surface.PET	0.2362364426	0.146081506	
## ratio_3ds_vol.PET	0.2510715097	0.599743127	
## ratio_3ds_vol_norm.PET	0.3132108804	0.622318321	
## irregularity.PET	0.4818518463	0.455863219	
## tumor_length.PET	0.4023511263	0.352277839	
## Compactness_v1.PET	0.2286279639	0.886544750	
## Compactness_v2.PET	0.0962561539	-0.242955840	
## Spherical_disproportion.PET	0.3132108804	0.622318321	
## Sphericity.PET	0.1303102416	-0.386024291	
## Asphericity.PET	0.3024856928	0.620378172	
## Center_of_mass.PET	0.2896194735	0.202003218	
## Max_3D_diam.PET	0.2952706974	-0.132853784	
## Major_axis_length.PET	0.2828757826	0.006697213	
## Minor_axis_length.PET	0.4267637283	0.160214806	
## Least_axis_length.PET	0.3486926866	0.042459529	
## Elongation.PET	0.4552370842	0.473100390	
## Flatness.PET	0.3839899911	0.372932127	
## Max_cooc.L.PET	0.1944251608	0.957382097	
## Average_cooc.L.PET	0.2174164298	0.346218039	
## Variance_cooc.L.PET	0.1512224494	0.311140864	
## Entropy_cooc.L.PET	0.4663565716	0.371370896	
## DAVE_cooc.L.PET	0.2703397340	0.340821713	
## DVAR_cooc.L.PET	0.2441728179	0.353339753	
## DENT_cooc.L.PET	0.4460363250	0.402757256	
## SAVE_cooc.L.PET	0.2173018937	0.345176256	
## SVAR_cooc.L.PET	0.1295958607	0.305278794	
## SENT_cooc.L.PET	0.4464222015	0.487219353	
## ASM_cooc.L.PET	0.1802796256	0.962235724	
## Contrast_cooc.L.PET	0.1651745699	0.278295586	
## Dissimilarity_cooc.L.PET	0.2703397340	0.340821713	
## Inv_diff_cooc.L.PET	0.5272998176	0.538961369	
## Inv_diff_norm_cooc.L.PET	0.5178605974	0.451358313	
## IDM_cooc.L.PET	0.5019950321	0.591677137	

## IDM_norm_cooc.L.PET	0.5096856782	0.448498505
## Inv_var_cooc.L.PET	0.5095523707	0.590112056
## Correlation_cooc.L.PET	0.3162259947	0.348685018
## Autocorrelation_cooc.L.PET	0.0431190076	0.287036699
## Tendency_cooc.L.PET	0.1295958607	0.305278794
## Shade_cooc.L.PET	0.1989133580	0.128578554
## Prominence_cooc.L.PET	0.0568990681	0.242413064
## IC1_.L.PET	-0.0516587227	0.023852921
## IC2_.L.PET	0.3864450299	0.528151419
## Coarseness_vdif_.L.PET	0.1294674422	0.887329966
## Contrast_vdif_.L.PET	0.0652598448	0.197883794
## Busyness_vdif_.L.PET	0.3266822420	-0.022354368
## Complexity_vdif_.L.PET	0.3228152150	0.393270466
## Strength_vdif_.L.PET	0.0655592812	0.283668125
## SRE_align.L.PET	0.4956015571	0.453351498
## LRE_align.L.PET	0.5205934530	0.438183011
## GLNU_align.L.PET	0.2591921120	-0.004169782
## RLNU_align.L.PET	0.2069205478	-0.051886291
## RP_align.L.PET	0.4943910235	0.453241217
## LGRE_align.L.PET	0.4429217327	0.646499308
## HGRE_align.L.PET	0.0700556199	0.295288770
## LGSRE_align.L.PET	0.4415494342	0.656223258
## HGSRE_align.L.PET	0.0690120905	0.296458375
## LGHRE_align.L.PET	0.4449007708	0.606241360
## HGLRE_align.L.PET	0.0749090154	0.289504504
## GLNU_norm_align.L.PET	0.3827968997	0.870193425
## RLNU_norm_align.L.PET	0.4888985131	0.453854960
## GLVAR_align.L.PET	0.1498306937	0.316554957
## RLVAR_align.L.PET	0.3731574612	0.810037621
## Entropy_align.L.PET	0.4605203967	0.387341345
## SZSE.L.PET	0.4638035782	0.458817992
## LZSE.L.PET	0.4444121193	0.273632379
## LGLZE.L.PET	0.4464624463	0.658030445
## HGLZE.L.PET	0.0775154490	0.296706001
## SZLGE.L.PET	0.4307355564	0.687979742
## SZHGE.L.PET	0.0718220990	0.303878383
## LZLGE.L.PET	0.4410541151	0.476431299
## LZHGE.L.PET	0.0870816711	0.210618611
## GLNU_area.L.PET	0.2549490084	-0.009368005
## ZSNU.L.PET	0.1993268899	-0.061997273
## ZSP.L.PET	0.4653631492	0.455498091
## GLNU_norm.L.PET	0.3820260340	0.874354583
## ZSNU_norm.L.PET	0.4648616821	0.455273709
## GLVAR_area.L.PET	0.1560952728	0.323681040
## ZSVAR.L.PET	0.3668782910	0.336272922
## Entropy_area.L.PET	0.4712569020	0.385258898
## Max_cooc.H.PET	0.1195332817	0.439432457
## Average_cooc.H.PET	0.4863350957	0.435385491
## Variance_cooc.H.PET	0.3827935057	0.291896014
## Entropy_cooc.H.PET	0.3435464559	0.246972718
## DAVE_cooc.H.PET	0.4340074913	0.314221014
## DVAR_cooc.H.PET	0.3880474444	0.321742169
## DENT_cooc.H.PET	0.5352374069	0.221654706
## SAVE_cooc.H.PET	0.5209438944	0.422668625

## SVAR_cooc.H.PET	0.4623420918	0.337787109
## SENT_cooc.H.PET	0.3288184660	0.553676580
## ASM_cooc.H.PET	0.0737753635	0.522910667
## Contrast_cooc.H.PET	0.3677231922	0.274242295
## Dissimilarity_cooc.H.PET	0.4340074913	0.314221014
## Inv_diff_cooc.H.PET	0.3235777283	0.498139681
## Inv_diff_norm_cooc.H.PET	0.4997997285	0.467276094
## IDM_cooc.H.PET	0.2702834433	0.474451810
## IDM_norm_cooc.H.PET	0.5026169892	0.457070039
## Inv_var_cooc.H.PET	0.2940582235	0.849021453
## Correlation_cooc.H.PET	0.2967178661	0.344827780
## Autocorrelation_cooc.H.PET	0.4452111653	0.443101689
## Tendency_cooc.H.PET	0.3567039939	0.275202139
## Shade_cooc.H.PET	-0.1111630030	-0.151159076
## Prominence_cooc.H.PET	0.2347196407	0.157759054
## IC1_d.H.PET	-0.0703256385	0.291133956
## IC2_d.H.PET	0.3822158167	0.388559357
## Coarseness_vdif.H.PET	0.1600161018	0.957280295
## Contrast_vdif.H.PET	-0.0035531171	0.273116701
## Busyness_vdif.H.PET	0.2008052968	-0.393693377
## Complexity_vdif.H.PET	0.3106362498	0.621542130
## Strength_vdif.H.PET	-0.0893524904	0.117820631
## SRE_align.H.PET	0.4897371774	0.415455821
## LRE_align.H.PET	0.3466280606	0.371383156
## RLNU_align.H.PET	0.1754735242	-0.043800004
## RP_align.H.PET	0.4788993149	0.407452059
## LGRE_align.H.PET	0.1659790875	0.955461627
## HGRE_align.H.PET	0.4550363145	0.436385236
## LGSRE_align.H.PET	0.1648865053	0.955530486
## HGSRE_align.H.PET	0.4937165599	0.418504315
## LGHRE_align.H.PET	0.1735096364	0.956241541
## HGLRE_align.H.PET	0.2115204460	0.296093063
## GLNU_norm_align.H.PET	0.2322343312	0.477237616
## RLNU_norm_align.H.PET	0.4555262945	0.372299822
## GLVAR_align.H.PET	0.3738501590	0.269894370
## RLVAR_align.H.PET	0.1865292540	0.272899915
## Entropy_align.H.PET	0.4513864466	0.304096584
## SZSE.H.PET	0.4529187354	0.342081800
## LZSE.H.PET	0.0351427169	0.002132756
## LGLZE.H.PET	0.1633588315	0.953534530
## HGLZE.H.PET	0.5759593800	0.381160007
## SZLGE.H.PET	0.1611899048	0.954327629
## SZHGE.H.PET	0.5133661040	0.301147360
## LZLGE.H.PET	0.0520294710	0.138921024
## LZHGE.H.PET	-0.0004263736	0.038014552
## GLNU_area.H.PET	0.2586877544	-0.067388635
## ZSNU.H.PET	0.1112063743	-0.052246265
## ZSP.H.PET	0.3455131712	0.215046003
## GLNU_norm.H.PET	0.1971606624	0.478726645
## ZSNU_norm.H.PET	0.3844752633	0.265503209
## GLVAR_area.H.PET	0.3804021401	0.258580028
## ZSVAR.H.PET	0.0208254961	0.025847635
## Entropy_area.H.PET	0.4982893169	0.351776631
## Max_cooc.W.PET	0.1063251372	0.641385504

## Average_cooc.W.PET	0.1781595977	0.092613395
## Variance_cooc.W.PET	0.0678245524	0.022707472
## Entropy_cooc.W.PET	0.4310737492	0.261910943
## DAVE_cooc.W.PET	0.2417389648	0.112668259
## DVAR_cooc.W.PET	0.1007660562	0.008984563
## DENT_cooc.W.PET	0.4318223237	0.267629106
## SAVE_cooc.W.PET	0.1778576079	0.090657748
## SVAR_cooc.W.PET	0.0554892243	0.027240350
## SENT_cooc.W.PET	0.4532949913	0.385865476
## ASM_cooc.W.PET	0.1113290359	0.804680894
## Contrast_cooc.W.PET	0.0938556948	0.007597248
## Dissimilarity_cooc.W.PET	0.2417389648	0.112668259
## Inv_diff_cooc.W.PET	0.3716172138	0.508266497
## Inv_diff_norm_cooc.W.PET	0.5168423667	0.453470802
## IDM_cooc.W.PET	0.2964495374	0.483410733
## IDM_norm_cooc.W.PET	0.5097155311	0.449328401
## Inv_var_cooc.W.PET	0.3440674127	0.511328530
## Correlation_cooc.W.PET	0.3177822288	0.345833202
## Autocorrelation_cooc.W.PET	0.0111771346	-0.012999695
## Tendency_cooc.W.PET	0.0554892243	0.027240350
## Shade_cooc.W.PET	0.0365760484	0.032726848
## Prominence_cooc.W.PET	-0.0088890866	0.006270249
## IC1_d.W.PET	-0.0802800187	0.364554934
## IC2_d.W.PET	0.4227778621	0.437445201
## Coarseness_vdif.W.PET	0.0952257580	0.817240628
## Contrast_vdif.W.PET	0.1529335502	0.228265848
## Busyness_vdif.W.PET	0.1713389319	-0.015643696
## Complexity_vdif.W.PET	0.0519888641	0.011203421
## Strength_vdif.W.PET	0.1444598725	0.156626251
## SRE_align.W.PET	0.4996501747	0.436458885
## LRE_align.W.PET	0.4396594183	0.439508757
## GLNU_align.W.PET	0.3250740915	-0.049618235
## RLNU_align.W.PET	0.1913577232	-0.043572228
## RP_align.W.PET	0.4962271076	0.431163043
## LGRE_align.W.PET	0.2806427911	0.458536525
## HGRE_align.W.PET	0.0211641169	-0.021489402
## LGSRE_align.W.PET	0.3058307709	0.483813252
## HGSRE_align.W.PET	0.0191334817	-0.023338724
## LGHRE_align.W.PET	0.1795060309	0.341894360
## HGLRE_align.W.PET	0.0305701798	-0.013977873
## GLNU_norm_align.W.PET	0.2251839942	0.570767665
## RLNU_norm_align.W.PET	0.4898010778	0.411702976
## GLVAR_align.W.PET	0.0611502824	0.012770670
## RLVAR_align.W.PET	0.1886731396	0.404851764
## Entropy_align.W.PET	0.4517674984	0.301461153
## SZSE.W.PET	0.4762878776	0.408405393
## LZSE.W.PET	0.0475924714	0.154692594
## LGLZE.W.PET	0.2883982700	0.478176611
## HGLZE.W.PET	0.0266795158	-0.020684739
## SZLGE.W.PET	0.3455145642	0.547706989
## SZHGE.W.PET	0.0195401200	-0.024825828
## LZLGE.W.PET	-0.0077549314	0.078218801
## LZHGE.W.PET	0.0644170676	0.039070733
## GLNU_area.W.PET	0.3038082746	-0.057458091

## ZSNU.W.PET	0.1550285893	-0.045827427
## ZSP.W.PET	0.4528210265	0.339438677
## GLNU_norm.W.PET	0.2177141087	0.586236543
## ZSNU_norm.W.PET	0.4578459323	0.342850655
## GLVAR_area.W.PET	0.0674186395	0.017074734
## ZSVAR.W.PET	0.0135718769	0.117461593
## Entropy_area.W.PET	0.4786570474	0.336816342
## Min_hist.ADC	-0.3691879519	0.181989761
## Max_hist.ADC	0.7021974973	0.356975820
## Mean_hist.ADC	0.5828995761	0.331078835
## Variance_hist.ADC	0.7177648857	0.348718223
## Standard_Deviation_hist.ADC	0.7583206934	0.407290568
## Skewness_hist.ADC	-0.3128637770	0.089555830
## Kurtosis_hist.ADC	0.1423239438	0.047908114
## Energy_hist.ADC	0.1391203453	0.963900557
## Entropy_hist.ADC	0.6093941682	0.372652145
## AUC_hist.ADC	0.4549952438	0.439730676
## Volume.ADC	0.1989633814	-0.134514884
## X3D_surface.ADC	0.5065304454	0.121753750
## ratio_3ds_vol.ADC	0.0971394382	0.486950690
## ratio_3ds_vol_norm.ADC	0.5552766867	0.355257323
## irregularity.ADC	0.3876594307	0.461131086
## Compactness_v1.ADC	0.2649605357	0.908881061
##	HGLRE_align.W.ADC	GLNU_norm_align.W.ADC
## Failure	-0.204979056	0.090967712
## Entropy_cooc.W.ADC	0.201372895	-0.083917619
## GLNU_align.H.PET	0.109756325	0.007881095
## Min_hist.PET	0.224025158	0.185070964
## Max_hist.PET	0.276563210	0.195186941
## Mean_hist.PET	0.205777065	0.183227210
## Variance_hist.PET	0.059958965	0.076340422
## Standard_Deviation_hist.PET	0.235304067	0.222120362
## Skewness_hist.PET	0.516192680	0.338020103
## Kurtosis_hist.PET	0.311436135	0.120179189
## Energy_hist.PET	0.160433530	0.954660433
## Entropy_hist.PET	0.587311172	0.361152579
## AUC_hist.PET	0.514971379	0.611239320
## H_suv.PET	0.260292530	0.317186264
## Volume.PET	0.186970857	-0.104881459
## X3D_surface.PET	0.235606553	0.103212423
## ratio_3ds_vol.PET	0.254232235	0.683157437
## ratio_3ds_vol_norm.PET	0.315593923	0.668953697
## irregularity.PET	0.484884062	0.579356947
## tumor_length.PET	0.403590413	0.371502205
## Compactness_v1.PET	0.227099783	0.912090399
## Compactness_v2.PET	0.098820250	-0.186814812
## Spherical_disproportion.PET	0.315593923	0.668953697
## Sphericity.PET	0.132104928	-0.323847026
## Asphericity.PET	0.304818599	0.663565794
## Center_of_mass.PET	0.290943320	0.187878149
## Max_3D_diam.PET	0.295970132	-0.078987427
## Major_axis_length.PET	0.283024463	0.050478379
## Minor_axis_length.PET	0.429576176	0.220143785
## Least_axis_length.PET	0.350244540	0.095106240

## Elongation.PET	0.459779110	0.584238976
## Flatness.PET	0.386211070	0.482598821
## Max_cooc.L.PET	0.192333987	0.966149886
## Average_cooc.L.PET	0.219259006	0.483678334
## Variance_cooc.L.PET	0.154131965	0.433232923
## Entropy_cooc.L.PET	0.469596001	0.508506823
## DAVE_cooc.L.PET	0.272489142	0.481337382
## DVAR_cooc.L.PET	0.248122144	0.502803625
## DENT_cooc.L.PET	0.449091669	0.547985217
## SAVE_cooc.L.PET	0.219147921	0.482692546
## SVAR_cooc.L.PET	0.133282600	0.420417462
## SENT_cooc.L.PET	0.449061055	0.620311378
## ASM_cooc.L.PET	0.178113953	0.964646254
## Contrast_cooc.L.PET	0.166459006	0.395006425
## Dissimilarity_cooc.L.PET	0.272489142	0.481337382
## Inv_diff_cooc.L.PET	0.528461508	0.603779464
## Inv_diff_norm_cooc.L.PET	0.520463755	0.572202653
## IDM_cooc.L.PET	0.502346895	0.632506633
## IDM_norm_cooc.L.PET	0.512347515	0.573495992
## Inv_var_cooc.L.PET	0.510682835	0.629479278
## Correlation_cooc.L.PET	0.319202807	0.379804897
## Autocorrelation_cooc.L.PET	0.044292247	0.402228216
## Tendency_cooc.L.PET	0.133282600	0.420417462
## Shade_cooc.L.PET	0.205635502	0.171255647
## Prominence_cooc.L.PET	0.062271453	0.333237168
## IC1_.L.PET	-0.052401328	-0.043007772
## IC2_.L.PET	0.388142579	0.635536467
## Coarseness_vdif_.L.PET	0.127645991	0.913449395
## Contrast_vdif_.L.PET	0.063275287	0.248509622
## Busyness_vdif_.L.PET	0.326850360	-0.013889238
## Complexity_vdif_.L.PET	0.324566187	0.521976828
## Strength_vdif_.L.PET	0.066833879	0.335353219
## SRE_align.L.PET	0.498320076	0.583523819
## LRE_align.L.PET	0.522981595	0.560655976
## GLNU_align.L.PET	0.259807332	-0.010238421
## RLNU_align.L.PET	0.207258958	-0.061613058
## RP_align.L.PET	0.497108495	0.584018767
## LGRE_align.L.PET	0.442866664	0.689042486
## HGRE_align.L.PET	0.070971772	0.416406875
## LGSRE_align.L.PET	0.441467989	0.699789675
## HGSRE_align.L.PET	0.069967330	0.417582238
## LGHRE_align.L.PET	0.444946572	0.644432716
## HGLRE_align.L.PET	0.075659493	0.410055128
## GLNU_norm_align.L.PET	0.382050800	0.908471000
## RLNU_norm_align.L.PET	0.491631181	0.586329351
## GLVAR_align.L.PET	0.152476257	0.443035053
## RLVAR_align.L.PET	0.371897875	0.826416494
## Entropy_align.L.PET	0.463526671	0.522594001
## SZSE.L.PET	0.466747892	0.584279360
## LZSE.L.PET	0.444764282	0.357489230
## LGLZE.L.PET	0.446624936	0.702465596
## HGLZE.L.PET	0.078709417	0.419804791
## SZLGE.L.PET	0.431102596	0.733274224
## SZHGE.L.PET	0.073464183	0.423838010

## LZLGE.L.PET	0.440240783	0.496342601
## LZHGE.L.PET	0.086360949	0.316758126
## GLNU_area.L.PET	0.255562509	-0.016515976
## ZSNU.L.PET	0.199697996	-0.070549782
## ZSP.L.PET	0.468249574	0.584617555
## GLNU_norm.L.PET	0.381231781	0.911601852
## ZSNU_norm.L.PET	0.467444710	0.587077737
## GLVAR_area.L.PET	0.158939377	0.451848987
## ZSVAR.L.PET	0.365541038	0.353113422
## Entropy_area.L.PET	0.474366206	0.519221872
## Max_cooc.H.PET	0.118717129	0.426927101
## Average_cooc.H.PET	0.488644946	0.554392381
## Variance_cooc.H.PET	0.385508046	0.433376329
## Entropy_cooc.H.PET	0.349573588	0.412207072
## DAVE_cooc.H.PET	0.436386824	0.469741849
## DVAR_cooc.H.PET	0.389315831	0.475502719
## DENT_cooc.H.PET	0.538585511	0.275130211
## SAVE_cooc.H.PET	0.523567292	0.532037497
## SVAR_cooc.H.PET	0.463762390	0.410197979
## SENT_cooc.H.PET	0.331437851	0.650916920
## ASM_cooc.H.PET	0.071276188	0.508680059
## Contrast_cooc.H.PET	0.369096902	0.429247263
## Dissimilarity_cooc.H.PET	0.436386824	0.469741849
## Inv_diff_cooc.H.PET	0.323279925	0.530943905
## Inv_diff_norm_cooc.H.PET	0.502388584	0.587856691
## IDM_cooc.H.PET	0.269399322	0.489388477
## IDM_norm_cooc.H.PET	0.505326283	0.581556020
## Inv_var_cooc_.H.PET	0.294388080	0.889871466
## Correlation_cooc.H.PET	0.299859662	0.383620703
## Autocorrelation_cooc.H.PET	0.447050312	0.544700883
## Tendency_cooc.H.PET	0.359900598	0.396734554
## Shade_cooc.H.PET	-0.111363837	-0.221926891
## Prominence_cooc.H.PET	0.237618481	0.254103793
## IC1_d.H.PET	-0.070858946	0.320740467
## IC2_d.H.PET	0.384559847	0.450947644
## Coarseness_vdif.H.PET	0.157958697	0.963780311
## Contrast_vdif.H.PET	-0.007463094	0.305876286
## Busyness_vdif.H.PET	0.200751541	-0.351812449
## Complexity_vdif.H.PET	0.310512843	0.717725011
## Strength_vdif.H.PET	-0.089653987	0.136986509
## SRE_align.H.PET	0.492941059	0.556751057
## LRE_align.H.PET	0.345789341	0.391181675
## RLNU_align.H.PET	0.175979450	-0.048291311
## RP_align.H.PET	0.482058134	0.550809855
## LGRE_align.H.PET	0.163901649	0.964638637
## HGRE_align.H.PET	0.456654986	0.540602961
## LGSRE_align.H.PET	0.162800295	0.964442240
## HGSRE_align.H.PET	0.496297803	0.546255409
## LGHRE_align.H.PET	0.171446242	0.965641089
## HGLRE_align.H.PET	0.210211929	0.294704026
## GLNU_norm_align.H.PET	0.230876858	0.497802272
## RLNU_norm_align.H.PET	0.458843761	0.517871562
## GLVAR_align.H.PET	0.376367691	0.404007718
## RLVAR_align.H.PET	0.184960843	0.228661950

## Entropy_align.H.PET	0.454734370	0.431755809
## SZSE.H.PET	0.457208704	0.471773788
## LZSE.H.PET	0.034179464	-0.083610125
## LGLZE.H.PET	0.161273662	0.963183707
## HGLZE.H.PET	0.577088145	0.447707741
## SZLGE.H.PET	0.159094941	0.962830683
## SZHGE.H.PET	0.517366687	0.416603610
## LZLGE.H.PET	0.050683027	0.049035445
## LZHGE.H.PET	-0.001652897	-0.029643064
## GLNU_area.H.PET	0.259678489	-0.059733901
## ZSNU.H.PET	0.111608442	-0.057574819
## ZSP.H.PET	0.349680453	0.342954548
## GLNU_norm.H.PET	0.196235727	0.512464565
## ZSNU_norm.H.PET	0.388583328	0.389736014
## GLVAR_area.H.PET	0.381961387	0.383803605
## ZSVAR_H.PET	0.019719727	-0.055649326
## Entropy_area.H.PET	0.500831091	0.475163366
## Max_cooc.W.PET	0.104814057	0.638714932
## Average_cooc.W.PET	0.180115803	0.197725542
## Variance_cooc.W.PET	0.068250334	0.084565767
## Entropy_cooc.W.PET	0.434806338	0.400278779
## DAVE_cooc.W.PET	0.244193886	0.234756386
## DVAR_cooc.W.PET	0.100936447	0.091308786
## DENT_cooc.W.PET	0.435690362	0.411318535
## SAVE_cooc.W.PET	0.179818726	0.195791443
## SVAR_cooc.W.PET	0.056007819	0.077320083
## SENT_cooc.W.PET	0.456669695	0.518505673
## ASM_cooc.W.PET	0.108693605	0.798316501
## Contrast_cooc.W.PET	0.094003188	0.094770257
## Dissimilarity_cooc.W.PET	0.244193886	0.234756386
## Inv_diff_cooc.W.PET	0.371472216	0.559030702
## Inv_diff_norm_cooc.W.PET	0.519404828	0.574242213
## IDM_cooc.W.PET	0.295431703	0.507693757
## IDM_norm_cooc.W.PET	0.512361049	0.574378576
## Inv_var_cooc.W.PET	0.343721833	0.546502876
## Correlation_cooc.W.PET	0.320803475	0.377475480
## Autocorrelation_cooc.W.PET	0.011187753	0.049963858
## Tendency_cooc.W.PET	0.056007819	0.077320083
## Shade_cooc.W.PET	0.035870657	0.039438000
## Prominence_cooc.W.PET	-0.010733595	0.009771940
## IC1_d.W.PET	-0.081610513	0.372836095
## IC2_d.W.PET	0.425013770	0.518309979
## Coarseness_vdif.W.PET	0.092881423	0.846397100
## Contrast_vdif.W.PET	0.153799207	0.345896911
## Busyness_vdif.W.PET	0.169681028	-0.037325519
## Complexity_vdif.W.PET	0.050386753	0.048516587
## Strength_vdif.W.PET	0.146029818	0.205133730
## SRE_align.W.PET	0.502670247	0.572083389
## LRE_align.W.PET	0.440520098	0.516784523
## GLNU_align.W.PET	0.324795586	-0.063700764
## RLNU_align.W.PET	0.191843825	-0.050441651
## RP_align.W.PET	0.499282208	0.568806409
## LGRE_align.W.PET	0.279493014	0.476013766
## HGRE_align.W.PET	0.021069005	0.044086928

## LGSRE_align.W.PET	0.304835894	0.508886953
## HGSRE_align.W.PET	0.019025228	0.042233203
## LGHRE_align.W.PET	0.177954203	0.326788967
## HGLRE_align.W.PET	0.030507869	0.051235974
## GLNU_norm_align.W.PET	0.223713683	0.589091879
## RLNU_norm_align.W.PET	0.493121728	0.553492556
## GLVAR_align.W.PET	0.061380241	0.074340556
## RLVAR_align.W.PET	0.186803096	0.374269251
## Entropy_align.W.PET	0.455106939	0.433556451
## SZSE.W.PET	0.480181706	0.542333037
## LZSE.W.PET	0.047134203	0.127002126
## LGLZE.W.PET	0.287325150	0.501744721
## HGLZE.W.PET	0.026673477	0.046118083
## SZLGE.W.PET	0.345692892	0.587279597
## SZHGE.W.PET	0.019546517	0.041044669
## LZLGE.W.PET	-0.008759140	0.026892972
## LZHGE.W.PET	0.064954969	0.102988325
## GLNU_area.W.PET	0.304097783	-0.061005915
## ZSNU.W.PET	0.155599328	-0.051492343
## ZSP.W.PET	0.456270247	0.475183976
## GLNU_norm.W.PET	0.216155892	0.609335279
## ZSNU_norm.W.PET	0.462007574	0.481200170
## GLVAR_area.W.PET	0.067752216	0.079490625
## ZSVAR.W.PET	0.013542559	0.077300738
## Entropy_area.W.PET	0.481618871	0.463908842
## Min_hist.ADC	-0.358719819	0.334410242
## Max_hist.ADC	0.703930757	0.405529531
## Mean_hist.ADC	0.591797342	0.458852426
## Variance_hist.ADC	0.704515394	0.181650276
## Standard_Deviation_hist.ADC	0.748767031	0.328623082
## Skewness_hist.ADC	-0.320692346	0.219039435
## Kurtosis_hist.ADC	0.159607588	0.208995109
## Energy_hist.ADC	0.136709500	0.978393532
## Entropy_hist.ADC	0.612152691	0.457318360
## AUC_hist.ADC	0.456015830	0.583522906
## Volume.ADC	0.200555363	-0.115138798
## X3D_surface.ADC	0.509255078	0.074469824
## ratio_3ds_vol.ADC	0.092479661	0.611278143
## ratio_3ds_vol_norm.ADC	0.557584250	0.462446879
## irregularity.ADC	0.387049762	0.605713380
## Compactness_v1.ADC	0.264400580	0.966659524
##	RLNU_norm_align.W.ADC	GLVAR_align.W.ADC
## Failure	0.0035487446	-0.100738540
## Entropy_cooc.W.ADC	0.0255051968	0.286890554
## GLNU_align.H.PET	-0.0441899854	0.148631915
## Min_hist.PET	0.5298441593	0.192233922
## Max_hist.PET	0.5441553772	0.256918571
## Mean_hist.PET	0.5293188975	0.189419676
## Variance_hist.PET	0.2619538504	0.103602789
## Standard_Deviation_hist.PET	0.5362388534	0.205003386
## Skewness_hist.PET	0.5387413970	0.412029763
## Kurtosis_hist.PET	0.1548667551	0.338818736
## Energy_hist.PET	0.4568842826	0.237717704
## Entropy_hist.PET	0.8714360635	0.570872870

## AUC_hist.PET	0.9952822629	0.470041315
## H_suv.PET	0.5620696798	0.218187650
## Volume.PET	0.3199941362	0.298124320
## X3D_surface.PET	0.2211435747	0.308211436
## ratio_3ds_vol.PET	0.5806031385	0.193820492
## ratio_3ds_vol_norm.PET	0.5871570271	0.327653252
## irregularity.PET	0.9697748086	0.421013007
## tumor_length.PET	0.6003076906	0.445318242
## Compactness_v1.PET	0.5606380613	0.308698500
## Compactness_v2.PET	0.2253540008	0.067110944
## Spherical_disproportion.PET	0.5871570271	0.327653252
## Sphericity.PET	0.2245790039	0.079206024
## Asphericity.PET	0.5653252150	0.319033899
## Center_of_mass.PET	0.3695604394	0.350800750
## Max_3D_diam.PET	0.4562191946	0.303652721
## Major_axis_length.PET	0.5025706860	0.355759873
## Minor_axis_length.PET	0.6542703120	0.421991768
## Least_axis_length.PET	0.5517253877	0.358334242
## Elongation.PET	0.8582300732	0.339265376
## Flatness.PET	0.7932282462	0.294556939
## Max_cooc.L.PET	0.4809240776	0.282927550
## Average_cooc.L.PET	0.8126032229	0.220046013
## Variance_cooc.L.PET	0.6496978773	0.107267707
## Entropy_cooc.L.PET	0.9780263894	0.416120322
## DAVE_cooc.L.PET	0.7604005180	0.199673094
## DVAR_cooc.L.PET	0.6722282799	0.161188658
## DENT_cooc.L.PET	0.9702860937	0.381663572
## SAVE_cooc.L.PET	0.8124019908	0.219820778
## SVAR_cooc.L.PET	0.6570804626	0.112114247
## SENT_cooc.L.PET	0.9763263744	0.396923845
## ASM_cooc.L.PET	0.4516991372	0.268735837
## Contrast_cooc.L.PET	0.5504379535	0.085060632
## Dissimilarity_cooc.L.PET	0.7604005180	0.199673094
## Inv_diff_cooc.L.PET	0.8540044725	0.516319403
## Inv_diff_norm_cooc.L.PET	0.9935873744	0.472888048
## IDM_cooc.L.PET	0.7660455831	0.507082727
## IDM_norm_cooc.L.PET	0.9973504292	0.463128338
## Inv_var_cooc.L.PET	0.7699330197	0.514158867
## Correlation_cooc.L.PET	0.6553768393	0.345208322
## Autocorrelation_cooc.L.PET	0.6070445544	0.091231949
## Tendency_cooc.L.PET	0.6570804626	0.112114247
## Shade_cooc.L.PET	0.3240815132	0.092283664
## Prominence_cooc.L.PET	0.4645121428	0.025453095
## IC1_.L.PET	-0.3628503649	0.026754567
## IC2_.L.PET	0.9043460922	0.331238389
## Coarseness_vdif_.L.PET	0.4922373394	0.199809459
## Contrast_vdif_.L.PET	0.2405437797	-0.001358364
## Busyness_vdif_.L.PET	0.3092193930	0.348227775
## Complexity_vdif_.L.PET	0.7209938348	0.225022167
## Strength_vdif_.L.PET	0.3061111157	0.020864349
## SRE_align.L.PET	0.9991391147	0.446498284
## LRE_align.L.PET	0.9911262353	0.465836660
## GLNU_align.L.PET	0.2543012148	0.296242169
## RLNU_align.L.PET	0.2284945754	0.256301789

## RP_align.L.PET	0.9989750649	0.444452788
## LGRE_align.L.PET	0.6364067720	0.416331114
## HGRE_align.L.PET	0.6290022220	0.100578302
## LGSRE_align.L.PET	0.6413348547	0.415892495
## HGSRE_align.L.PET	0.6275381501	0.099114976
## LGHRE_align.L.PET	0.6134035603	0.415286986
## HGLRE_align.L.PET	0.6330649926	0.106411273
## GLNU_norm_align.L.PET	0.6880172494	0.419433237
## RLNU_norm_align.L.PET	0.9976324391	0.437084031
## GLVAR_align.L.PET	0.6761427888	0.120782519
## RLVAR_align.L.PET	0.6485030435	0.425665245
## Entropy_align.L.PET	0.9830868865	0.414034769
## SZSE.L.PET	0.9771328231	0.438851046
## LZSE.L.PET	0.6919001759	0.339405703
## LGLZE.L.PET	0.6480675839	0.417499271
## HGLZE.L.PET	0.6385221457	0.102223217
## SZLGE.L.PET	0.6575454413	0.412402362
## SZHGE.L.PET	0.6335973336	0.106415314
## LZLGE.L.PET	0.5139653137	0.403905684
## LZHGE.L.PET	0.5224396481	0.066677905
## GLNU_area.L.PET	0.2557579357	0.298413352
## ZSNU.L.PET	0.2295476165	0.256297422
## ZSP.L.PET	0.9837047996	0.432765337
## GLNU_norm.L.PET	0.6882980932	0.419647074
## ZSNU_norm.L.PET	0.9859467292	0.421908392
## GLVAR_area.L.PET	0.6870904880	0.124230428
## ZSVAR.L.PET	0.4504104197	0.329839643
## Entropy_area.L.PET	0.9833998196	0.422916854
## Max_cooc.H.PET	0.3169629564	0.212321644
## Average_cooc.H.PET	0.9746237468	0.451269125
## Variance_cooc.H.PET	0.8552108364	0.317687435
## Entropy_cooc.H.PET	0.8329483661	0.260357988
## DAVE_cooc.H.PET	0.8793337789	0.338864204
## DVAR_cooc.H.PET	0.8559056165	0.339908642
## DENT_cooc.H.PET	0.7729558676	0.467297797
## SAVE_cooc.H.PET	0.9805700199	0.480400639
## SVAR_cooc.H.PET	0.8436929449	0.449915298
## SENT_cooc.H.PET	0.6953957710	0.276761487
## ASM_cooc.H.PET	0.3032710728	0.203705578
## Contrast_cooc.H.PET	0.7853356198	0.281021517
## Dissimilarity_cooc.H.PET	0.8793337789	0.338864204
## Inv_diff_cooc.H.PET	0.6787374724	0.384075971
## Inv_diff_norm_cooc.H.PET	0.9957274949	0.460520975
## IDM_cooc.H.PET	0.5751577069	0.343548733
## IDM_norm_cooc.H.PET	0.9983257633	0.456523028
## Inv_var_cooc_.H.PET	0.6009962001	0.333368115
## Correlation_cooc.H.PET	0.6623666165	0.318057074
## Autocorrelation_cooc.H.PET	0.9180628672	0.436796643
## Tendency_cooc.H.PET	0.8164712379	0.309067096
## Shade_cooc.H.PET	-0.4147668345	-0.094159007
## Prominence_cooc.H.PET	0.6001219491	0.198936940
## IC1_d.H.PET	-0.1066168560	-0.044537543
## IC2_d.H.PET	0.7798873169	0.367797243
## Coarseness_vdif.H.PET	0.4453688311	0.243358248

## Contrast_vdif.H.PET	0.2984381558	0.126755809
## Busyness_vdif.H.PET	0.1147270678	0.131911792
## Complexity_vdif.H.PET	0.6685082511	0.266407016
## Strength_vdif.H.PET	0.0276266693	-0.068318513
## SRE_align.H.PET	0.9727801849	0.415979350
## LRE_align.H.PET	0.6410823003	0.404648877
## RLNU_align.H.PET	0.2279050436	0.250563321
## RP_align.H.PET	0.9610516621	0.403603164
## LGRE_align.H.PET	0.4683883379	0.261673689
## HGRE_align.H.PET	0.9235328920	0.441646091
## LGSRE_align.H.PET	0.4659910204	0.260710580
## HGSRE_align.H.PET	0.9679304712	0.436615372
## LGHRE_align.H.PET	0.4812534970	0.268500357
## HGLRE_align.H.PET	0.4412686446	0.294931821
## GLNU_norm_align.H.PET	0.5201710013	0.307944464
## RLNU_norm_align.H.PET	0.9106238770	0.367674465
## GLVAR_align.H.PET	0.8216501904	0.312072863
## RLVAR_align.H.PET	0.2866241369	0.263212176
## Entropy_align.H.PET	0.8985894752	0.395516113
## SZSE.H.PET	0.8558533863	0.372704673
## LZSE.H.PET	-0.0582046724	0.091624507
## LGLZE.H.PET	0.4690086467	0.260349235
## HGLZE.H.PET	0.8715283925	0.538773920
## SZLGE.H.PET	0.4627036188	0.259151297
## SZHGE.H.PET	0.8336902552	0.404173518
## LZLGE.H.PET	0.0064726992	0.118123162
## LZHGE.H.PET	-0.0493069302	0.070562365
## GLNU_area.H.PET	0.2640786358	0.280101489
## ZSNU.H.PET	0.1987645910	0.224238140
## ZSP.H.PET	0.6720536449	0.257204357
## GLNU_norm.H.PET	0.5319434434	0.274596248
## ZSNU_norm.H.PET	0.7251682897	0.287359377
## GLVAR_area.H.PET	0.8011587469	0.326675335
## ZSVAR_H.PET	-0.0553642716	0.087052288
## Entropy_area.H.PET	0.9458747706	0.449516874
## Max_cooc.W.PET	0.3568917965	0.202541539
## Average_cooc.W.PET	0.5249129902	0.183365626
## Variance_cooc.W.PET	0.2618624712	0.098274451
## Entropy_cooc.W.PET	0.8558553232	0.353158382
## DAVE_cooc.W.PET	0.5514861886	0.178687256
## DVAR_cooc.W.PET	0.2957718021	0.093223586
## DENT_cooc.W.PET	0.8410716546	0.338654585
## SAVE_cooc.W.PET	0.5241317707	0.182878398
## SVAR_cooc.W.PET	0.2362886302	0.101953614
## SENT_cooc.W.PET	0.8961389004	0.377462458
## ASM_cooc.W.PET	0.3941849648	0.236163737
## Contrast_cooc.W.PET	0.3048857846	0.079540253
## Dissimilarity_cooc.W.PET	0.5514861886	0.178687256
## Inv_diff_cooc.W.PET	0.7578056528	0.406384779
## Inv_diff_norm_cooc.W.PET	0.9939940817	0.472532339
## IDM_cooc.W.PET	0.6251035563	0.358617135
## IDM_norm_cooc.W.PET	0.9975381077	0.462935100
## Inv_var_cooc.W.PET	0.6948962513	0.390016103
## Correlation_cooc.W.PET	0.6546791834	0.344910064

## Autocorrelation_cooc.W.PET	0.2586817382	0.093906984
## Tendency_cooc.W.PET	0.2362886302	0.101953614
## Shade_cooc.W.PET	0.0461081200	0.057574517
## Prominence_cooc.W.PET	0.0143863672	0.048648308
## IC1_d.W.PET	-0.1243793263	-0.014491833
## IC2_d.W.PET	0.8478847199	0.375820426
## Coarseness_vdif.W.PET	0.4622997854	0.161522276
## Contrast_vdif.W.PET	0.4874292830	0.086422525
## Busyness_vdif.W.PET	0.2299020241	0.238510162
## Complexity_vdif.W.PET	0.1716461331	0.119149251
## Strength_vdif.W.PET	0.2560222242	0.090498710
## SRE_align.W.PET	0.9928915608	0.437761225
## LRE_align.W.PET	0.8685771956	0.443577320
## GLNU_align.W.PET	0.2601529611	0.312172338
## RLNU_align.W.PET	0.2286706320	0.253448782
## RP_align.W.PET	0.9886410456	0.431295560
## LGRE_align.W.PET	0.5032332616	0.321845134
## HGRE_align.W.PET	0.2614627927	0.095142382
## LGSRE_align.W.PET	0.5395261252	0.335838757
## HGSRE_align.W.PET	0.2572494854	0.092737255
## LGHRE_align.W.PET	0.3387118344	0.258799112
## HGLRE_align.W.PET	0.2781128637	0.104737883
## GLNU_norm_align.W.PET	0.5223714257	0.305383383
## RLNU_norm_align.W.PET	0.9695112222	0.413162971
## GLVAR_align.W.PET	0.2617353700	0.104059913
## RLVAR_align.W.PET	0.3631912392	0.279827215
## Entropy_align.W.PET	0.9010502655	0.390333176
## SZSE.W.PET	0.9424769043	0.417170509
## LZSE.W.PET	0.1293894740	0.104091131
## LGLZE.W.PET	0.5272516153	0.330292621
## HGLZE.W.PET	0.2649951032	0.095337355
## SZLGE.W.PET	0.6016779415	0.363760501
## SZHGE.W.PET	0.2530935989	0.089602977
## LZLGE.W.PET	0.0007291129	0.072876375
## LZHGE.W.PET	0.2988695671	0.080195600
## GLNU_area.W.PET	0.2692361925	0.305683280
## ZSNU.W.PET	0.2169071905	0.243280390
## ZSP.W.PET	0.8722807845	0.376640492
## GLNU_norm.W.PET	0.5421617861	0.303964710
## ZSNU_norm.W.PET	0.8681025920	0.362964093
## GLVAR_area.W.PET	0.2655951347	0.105635030
## ZSVAR.W.PET	0.0405228164	0.074870767
## Entropy_area.W.PET	0.9384477789	0.426042088
## Min_hist.ADC	0.3348530365	-0.285191213
## Max_hist.ADC	0.8788587639	0.692079396
## Mean_hist.ADC	0.8668993496	0.398294859
## Variance_hist.ADC	0.4584630736	0.999970425
## Standard_Deviation_hist.ADC	0.7330324801	0.933965298
## Skewness_hist.ADC	0.2243601731	-0.007462108
## Kurtosis_hist.ADC	0.2564469186	-0.154967038
## Energy_hist.ADC	0.4654643241	0.230500048
## Entropy_hist.ADC	0.9480206265	0.566850664
## AUC_hist.ADC	0.9745178953	0.453665048
## Volume.ADC	0.3073614171	0.293786598

## X3D_surface.ADC	0.4154671778	0.578552526	
## ratio_3ds_vol.ADC	0.6676064096	0.083193225	
## ratio_3ds_vol_norm.ADC	0.9372052514	0.500287040	
## irregularity.ADC	0.9641337043	0.361120547	
## Compactness_v1.ADC	0.7000429845	0.319951834	
##	RLVAR_align.W.ADC	Entropy_align.W.ADC	SZSE.W.ADC
## Failure	0.0254049232	-0.072698991	-0.0011240115
## Entropy_cooc.W.ADC	0.0001903104	0.107310929	0.0313772945
## GLNU_align.H.PET	0.0647324002	-0.024028298	-0.0425349729
## Min_hist.PET	0.2175667249	0.515582829	0.5314455924
## Max_hist.PET	0.2499738125	0.539262283	0.5463157538
## Mean_hist.PET	0.2229863221	0.514082080	0.5313322340
## Variance_hist.PET	0.1072611845	0.253565451	0.2626462000
## Standard_Deviation_hist.PET	0.2726563265	0.523932969	0.5376826809
## Skewness_hist.PET	0.3651073865	0.545440398	0.5393409849
## Kurtosis_hist.PET	0.1495377943	0.135613009	0.1550108280
## Energy_hist.PET	0.9168035603	0.356025113	0.4491315244
## Entropy_hist.PET	0.4350142944	0.899628769	0.8776769096
## AUC_hist.PET	0.6508614957	0.965618731	0.9951549027
## H_suv.PET	0.3594188871	0.519318926	0.5627191909
## Volume.PET	-0.0147572797	0.390441460	0.3271464668
## X3D_surface.PET	0.1654409588	0.264128645	0.2241091334
## ratio_3ds_vol.PET	0.6447328075	0.486617732	0.5751558344
## ratio_3ds_vol_norm.PET	0.6838324136	0.521529886	0.5845350334
## irregularity.PET	0.6013170521	0.934272307	0.9692082021
## tumor_length.PET	0.4470126149	0.616975773	0.6027070807
## Compactness_v1.PET	0.9068529787	0.479914460	0.5550997713
## Compactness_v2.PET	-0.1427427031	0.261508186	0.2293211106
## Spherical_disproportion.PET	0.6838324136	0.521529886	0.5845350334
## Sphericity.PET	-0.2768644046	0.281457572	0.2300069407
## Asphericity.PET	0.6774219411	0.499370536	0.5626494291
## Center_of_mass.PET	0.2537700359	0.419634297	0.3717976473
## Max_3D_diam.PET	-0.0089753520	0.511384594	0.4621964308
## Major_axis_length.PET	0.1108596813	0.542505284	0.5071351351
## Minor_axis_length.PET	0.3122258647	0.680571235	0.6586823152
## Least_axis_length.PET	0.1880157962	0.589709177	0.5565741044
## Elongation.PET	0.6238222548	0.809581700	0.8578023702
## Flatness.PET	0.5271817078	0.755397439	0.7930530025
## Max_cooc.L.PET	0.9407238119	0.382849374	0.4733845383
## Average_cooc.L.PET	0.4845616380	0.745968069	0.8104620927
## Variance_cooc.L.PET	0.3976619264	0.577555441	0.6460366025
## Entropy_cooc.L.PET	0.5546885932	0.954415298	0.9788331820
## DAVE_cooc.L.PET	0.4602038704	0.692570013	0.7575761885
## DVAR_cooc.L.PET	0.4857372164	0.577688724	0.6656522589
## DENT_cooc.L.PET	0.5708669313	0.929813240	0.9694743345
## SAVE_cooc.L.PET	0.4836052885	0.745857261	0.8102688228
## SVAR_cooc.L.PET	0.3935140707	0.594082777	0.6538357812
## SENT_cooc.L.PET	0.6431171756	0.932175834	0.9751083188
## ASM_cooc.L.PET	0.9414932744	0.355658194	0.4445106859
## Contrast_cooc.L.PET	0.3504622557	0.473506738	0.5466098200
## Dissimilarity_cooc.L.PET	0.4602038704	0.692570013	0.7575761885
## Inv_diff_cooc.L.PET	0.6614192005	0.839182117	0.8539341524
## Inv_diff_norm_cooc.L.PET	0.6172537196	0.969406868	0.9937704681
## IDM_cooc.L.PET	0.6862977367	0.746756221	0.7651593291

## IDM_norm_cooc.L.PET	0.6156415477	0.970693799	0.9974026498
## Inv_var_cooc.L.PET	0.6901587592	0.752366595	0.7697028106
## Correlation_cooc.L.PET	0.4359933811	0.673244247	0.6568149273
## Autocorrelation_cooc.L.PET	0.3828227339	0.523961096	0.6035058952
## Tendency_cooc.L.PET	0.3935140707	0.594082777	0.6538357812
## Shade_cooc.L.PET	0.1621238189	0.339610436	0.3256330077
## Prominence_cooc.L.PET	0.2901964557	0.401314917	0.4610452159
## IC1_.L.PET	0.0282192362	-0.332034578	-0.3597886781
## IC2_.L.PET	0.6218070122	0.848877321	0.9013387706
## Coarseness_vdif_.L.PET	0.8589336666	0.385186911	0.4838855000
## Contrast_vdif_.L.PET	0.1827143506	0.186283063	0.2364567802
## Busyness_vdif_.L.PET	0.0726849821	0.370563802	0.3133830047
## Complexity_vdif_.L.PET	0.4996065716	0.654000052	0.7177008271
## Strength_vdif_.L.PET	0.2647369423	0.248519821	0.2998405404
## SRE_align.L.PET	0.6194547138	0.966275172	0.9988741352
## LRE_align.L.PET	0.6033968443	0.966707829	0.9910716737
## GLNU_align.L.PET	0.0704882614	0.305831752	0.2579169096
## RLNU_align.L.PET	0.0139790792	0.291777152	0.2325560619
## RP_align.L.PET	0.6192288193	0.965691371	0.9986712102
## LGRE_align.L.PET	0.6912994093	0.583177780	0.6308557903
## HGRE_align.L.PET	0.3939550245	0.544301402	0.6255716656
## LGSRE_align.L.PET	0.7014162787	0.586603257	0.6357268044
## HGSRE_align.L.PET	0.3943444234	0.542329634	0.6240848548
## LGHRE_align.L.PET	0.6491805034	0.566103277	0.6080825705
## HGLRE_align.L.PET	0.3908962144	0.550794180	0.6297418989
## GLNU_norm_align.L.PET	0.9063756071	0.609566751	0.6825436687
## RLNU_norm_align.L.PET	0.6191739379	0.962604316	0.9972197166
## GLVAR_align.L.PET	0.4150986574	0.599784168	0.6725631084
## RLVAR_align.L.PET	0.8527550553	0.595766071	0.6446822558
## Entropy_align.L.PET	0.5649005526	0.956137971	0.9835303026
## SZSE.L.PET	0.6209097205	0.941411763	0.9770315994
## LZSE.L.PET	0.3865100643	0.684114419	0.6911871607
## LGLZE.L.PET	0.7062412084	0.592213142	0.6426753411
## HGLZE.L.PET	0.3988648333	0.554624334	0.6352849846
## SZLGE.L.PET	0.7368069022	0.597082088	0.6521595300
## SZHGE.L.PET	0.4056141567	0.549434601	0.6307877288
## LZLGE.L.PET	0.5047738869	0.483189613	0.5093586994
## LZHGE.L.PET	0.2912725437	0.457680318	0.5183917923
## GLNU_area.L.PET	0.0647227438	0.309834364	0.2595939240
## ZSNU.L.PET	0.0051666582	0.294008258	0.2337706203
## ZSP.L.PET	0.6180935391	0.947828647	0.9834100413
## GLNU_norm.L.PET	0.9100947908	0.610378281	0.6828780883
## ZSNU_norm.L.PET	0.6151983146	0.947754672	0.9850285820
## GLVAR_area.L.PET	0.4247304416	0.609749040	0.6836468837
## ZSVAR.L.PET	0.3911569421	0.436537708	0.4496604975
## Entropy_area.L.PET	0.5651518851	0.958666299	0.9841036200
## Max_cooc.H.PET	0.3831957159	0.273993255	0.3132655279
## Average_cooc.H.PET	0.5801563510	0.943841138	0.9740455217
## Variance_cooc.H.PET	0.4837600768	0.827398706	0.8556982195
## Entropy_cooc.H.PET	0.4429489549	0.781853479	0.8317481393
## DAVE_cooc.H.PET	0.5025010844	0.837064187	0.8792753106
## DVAR_cooc.H.PET	0.5025852367	0.805085723	0.8556279853
## DENT_cooc.H.PET	0.3541016832	0.807413356	0.7795593189
## SAVE_cooc.H.PET	0.5680692336	0.963626513	0.9805624721

## SVAR_cooc.H.PET	0.4785919059	0.860524864	0.8470240766
## SENT_cooc.H.PET	0.6772434549	0.636017394	0.6927995971
## ASM_cooc.H.PET	0.4561298520	0.245876178	0.2987490152
## Contrast_cooc.H.PET	0.4502709616	0.733012019	0.7850421592
## Dissimilarity_cooc.H.PET	0.5025010844	0.837064187	0.8792753106
## Inv_diff_cooc.H.PET	0.5271040390	0.651503137	0.6770851978
## Inv_diff_norm_cooc.H.PET	0.6244805852	0.966715960	0.9954491380
## IDM_cooc.H.PET	0.4766609496	0.548758270	0.5732719615
## IDM_norm_cooc.H.PET	0.6195747417	0.969317083	0.9981178055
## Inv_var_cooc_.H.PET	0.8946657120	0.528730741	0.5959220119
## Correlation_cooc.H.PET	0.4430166928	0.679479461	0.6631210196
## Autocorrelation_cooc.H.PET	0.5599797099	0.886582647	0.9169011267
## Tendency_cooc.H.PET	0.4584795445	0.804399552	0.8173379677
## Shade_cooc.H.PET	-0.2527730149	-0.393162558	-0.4127909353
## Prominence_cooc.H.PET	0.3193969565	0.595964461	0.6015416230
## IC1_d.H.PET	0.3008720054	-0.176388396	-0.1117326446
## IC2_d.H.PET	0.4985933049	0.785350313	0.7804631934
## Coarseness_vdif.H.PET	0.9331913708	0.345203446	0.4378667693
## Contrast_vdif.H.PET	0.2481859326	0.237898523	0.2919964889
## Busyness_vdif.H.PET	-0.2900055283	0.190988925	0.1195552791
## Complexity_vdif.H.PET	0.7036357763	0.577200595	0.6636841938
## Strength_vdif.H.PET	0.0754818456	-0.018150409	0.0239019918
## SRE_align.H.PET	0.5982321264	0.938997579	0.9725464374
## LRE_align.H.PET	0.3977164899	0.634300630	0.6404188614
## RLNU_align.H.PET	0.0242657607	0.284397019	0.2316227847
## RP_align.H.PET	0.5906205307	0.925550906	0.9606524587
## LGRE_align.H.PET	0.9452880908	0.371899992	0.4617225837
## HGRE_align.H.PET	0.5526118598	0.892606395	0.9227496736
## LGSRE_align.H.PET	0.9447741700	0.369325594	0.4593050149
## HGSRE_align.H.PET	0.5660394529	0.935598230	0.9672584176
## LGHRE_align.H.PET	0.9479538589	0.386281094	0.4747194881
## HGLRE_align.H.PET	0.2884583551	0.430602122	0.4413532863
## GLNU_norm_align.H.PET	0.4640264395	0.478338997	0.5170071775
## RLNU_norm_align.H.PET	0.5580515796	0.873996930	0.9103063848
## GLVAR_align.H.PET	0.4594581064	0.798382955	0.8224361830
## RLVAR_align.H.PET	0.2316019208	0.295892187	0.2880489821
## Entropy_align.H.PET	0.4949716740	0.886227689	0.9005073189
## SZSE.H.PET	0.5293282365	0.828069142	0.8568327258
## LZSE.H.PET	-0.0780313971	-0.027909936	-0.0557178412
## LGLZE.H.PET	0.9443048290	0.372498097	0.4624054620
## HGLZE.H.PET	0.4842101225	0.890820835	0.8744531712
## SZLGE.H.PET	0.9432446172	0.366002348	0.4560790978
## SZHGE.H.PET	0.4593463492	0.824436568	0.8352519355
## LZLGE.H.PET	0.0548612691	0.024989166	0.0083529755
## LZHGE.H.PET	-0.0371167636	-0.039182676	-0.0491278741
## GLNU_area.H.PET	0.0254222996	0.327098492	0.2677345990
## ZSNU.H.PET	0.0042499718	0.247402288	0.2025343771
## ZSP.H.PET	0.3929957710	0.643137081	0.6731125845
## GLNU_norm.H.PET	0.4798595497	0.479720761	0.5281727583
## ZSNU_norm.H.PET	0.4408029138	0.696781596	0.7259544078
## GLVAR_area.H.PET	0.4392877499	0.785517731	0.8025975104
## ZSVAR_H.PET	-0.0531996455	-0.033028045	-0.0540632869
## Entropy_area.H.PET	0.5361812458	0.938538678	0.9476739477
## Max_cooc.W.PET	0.5885078255	0.283866885	0.3509822785

## Average_cooc.W.PET	0.2466107030	0.506690522	0.5271244334
## Variance_cooc.W.PET	0.1134065282	0.254383283	0.2622056277
## Entropy_cooc.W.PET	0.4602951492	0.839648307	0.8575071315
## DAVE_cooc.W.PET	0.2706294221	0.526280006	0.5528844370
## DVAR_cooc.W.PET	0.1115246069	0.278215790	0.2965208645
## DENT_cooc.W.PET	0.4643207438	0.817981727	0.8421671821
## SAVE_cooc.W.PET	0.2447357827	0.506102056	0.5263584510
## SVAR_cooc.W.PET	0.1100223306	0.234497272	0.2363546506
## SENT_cooc.W.PET	0.5692682101	0.867828956	0.8964983876
## ASM_cooc.W.PET	0.7487478668	0.306057686	0.3874137637
## Contrast_cooc.W.PET	0.1109543114	0.283302747	0.3059329907
## Dissimilarity_cooc.W.PET	0.2706294221	0.526280006	0.5528844370
## Inv_diff_cooc.W.PET	0.5610701798	0.728905771	0.7559341389
## Inv_diff_norm_cooc.W.PET	0.6183803361	0.969295549	0.9941087378
## IDM_cooc.W.PET	0.4980433659	0.597728251	0.6229767544
## IDM_norm_cooc.W.PET	0.6161973166	0.970688565	0.9975507371
## Inv_var_cooc.W.PET	0.5463985473	0.667985176	0.6929187730
## Correlation_cooc.W.PET	0.4351722909	0.673355077	0.6561886043
## Autocorrelation_cooc.W.PET	0.0828459307	0.246305020	0.2608617185
## Tendency_cooc.W.PET	0.1100223306	0.234497272	0.2363546506
## Shade_cooc.W.PET	0.0540609481	0.053046015	0.0433508381
## Prominence_cooc.W.PET	0.0186905988	0.016931509	0.0119236223
## IC1_d.W.PET	0.3564564252	-0.191724596	-0.1293633609
## IC2_d.W.PET	0.5520146131	0.835347037	0.8478303356
## Coarseness_vdif.W.PET	0.7777274766	0.356074221	0.4535970159
## Contrast_vdif.W.PET	0.3383432252	0.422613298	0.4857162485
## Busyness_vdif.W.PET	-0.0169496852	0.272448403	0.2337220944
## Complexity_vdif.W.PET	0.0708729048	0.164542755	0.1716202217
## Strength_vdif.W.PET	0.2058867746	0.233015760	0.2524278579
## SRE_align.W.PET	0.6122411259	0.960472835	0.9927001671
## LRE_align.W.PET	0.5387332264	0.848903699	0.8685777687
## GLNU_align.W.PET	0.0186409978	0.330814676	0.2649587233
## RLNU_align.W.PET	0.0237350683	0.287747973	0.2324448695
## RP_align.W.PET	0.6087873123	0.955544671	0.9883999850
## LGRE_align.W.PET	0.4439651163	0.468380886	0.4993702211
## HGRE_align.W.PET	0.0754634310	0.249152285	0.2637582953
## LGSRE_align.W.PET	0.4791226149	0.501798945	0.5353703903
## HGSRE_align.W.PET	0.0726598755	0.244797707	0.2595202805
## LGHRE_align.W.PET	0.2909167270	0.318121225	0.3362244055
## HGLRE_align.W.PET	0.0865258967	0.266677722	0.2804999767
## GLNU_norm_align.W.PET	0.5506984025	0.467867753	0.5181585376
## RLNU_norm_align.W.PET	0.5950088659	0.935735490	0.9693058687
## GLVAR_align.W.PET	0.1055065151	0.253774968	0.2624334804
## RLVAR_align.W.PET	0.3671955636	0.351052059	0.3625534425
## Entropy_align.W.PET	0.4949943452	0.886558906	0.9027690637
## SZSE.W.PET	0.5913843110	0.910537931	0.9426275341
## LZSE.W.PET	0.1075429253	0.117680016	0.1280701314
## LGLZE.W.PET	0.4779145035	0.490774961	0.5236020425
## HGLZE.W.PET	0.0773001335	0.253849726	0.2671529725
## SZLGE.W.PET	0.5763359497	0.557730712	0.5975468477
## SZHGE.W.PET	0.0701647999	0.241985913	0.2551751227
## LZLGE.W.PET	-0.0025499783	-0.000686747	0.0001071717
## LZHGE.W.PET	0.1417021399	0.286068342	0.2998771905
## GLNU_area.W.PET	0.0248828431	0.337305173	0.2736439354

## ZSNU.W.PET	0.0181971986	0.271553443	0.2205672819
## ZSP.W.PET	0.5254597331	0.843652563	0.8726972224
## GLNU_norm.W.PET	0.5727611491	0.484081902	0.5377500395
## ZSNU_norm.W.PET	0.5299948636	0.838019069	0.8679408523
## GLVAR_area.W.PET	0.1112067413	0.257899005	0.2663337434
## ZSVAR.W.PET	0.0632405053	0.031932525	0.0393295419
## Entropy_area.W.PET	0.5236479271	0.925887234	0.9402292798
## Min_hist.ADC	0.2643076912	0.234764462	0.3286714787
## Max_hist.ADC	0.5085199488	0.893595108	0.8840996365
## Mean_hist.ADC	0.5109538448	0.845710879	0.8679793355
## Variance_hist.ADC	0.2564658904	0.544403692	0.4632654304
## Standard_Deviation_hist.ADC	0.3993369718	0.791329605	0.7371483425
## Skewness_hist.ADC	0.1935985057	0.162041068	0.2213323693
## Kurtosis_hist.ADC	0.2868644689	0.225318218	0.2598426774
## Energy_hist.ADC	0.9348773313	0.356919503	0.4568888140
## Entropy_hist.ADC	0.5527147662	0.961285578	0.9529294347
## AUC_hist.ADC	0.6286856855	0.940625103	0.9741851755
## Volume.ADC	-0.0213597658	0.377500300	0.3146460424
## X3D_surface.ADC	0.2419473035	0.493368095	0.4253125474
## ratio_3ds_vol.ADC	0.4688133732	0.560233070	0.6554340197
## ratio_3ds_vol_norm.ADC	0.5259781262	0.941305947	0.9387433602
## irregularity.ADC	0.5860355407	0.904658339	0.9595388279
## Compactness_v1.ADC	0.9482729135	0.599825788	0.6937684954
##	LZSE.W.ADC	LGLZE.W.ADC	HGLZE.W.ADC
## Failure	-0.006976249	0.063575184	-0.2048353524
## Entropy_cooc.W.ADC	0.032794785	-0.019505013	0.2030929573
## GLNU_align.H.PET	-0.029453552	0.067189649	0.1110317577
## Min_hist.PET	0.518371412	0.091067975	0.2220500344
## Max_hist.PET	0.541631575	0.104134783	0.2752349348
## Mean_hist.PET	0.521830017	0.086289961	0.2040907558
## Variance_hist.PET	0.254452822	0.020741332	0.0598405098
## Standard_Deviation_hist.PET	0.535469447	0.124751325	0.2333165652
## Skewness_hist.PET	0.524206089	0.291593162	0.5137068790
## Kurtosis_hist.PET	0.149156895	0.130088766	0.3121473426
## Energy_hist.PET	0.424588559	0.967212847	0.1621529394
## Entropy_hist.PET	0.847831464	0.288653070	0.5875043631
## AUC_hist.PET	0.979894732	0.492738270	0.5139901280
## H_suv.PET	0.555037502	0.213540461	0.2584776660
## Volume.PET	0.342099897	-0.146576711	0.1881136450
## X3D_surface.PET	0.228702605	0.126902347	0.2374580310
## ratio_3ds_vol.PET	0.559143270	0.624989641	0.2507545179
## ratio_3ds_vol_norm.PET	0.582508233	0.630793589	0.3140748566
## irregularity.PET	0.949119282	0.460300396	0.4828676361
## tumor_length.PET	0.611633236	0.336191362	0.4042602529
## Compactness_v1.PET	0.534558967	0.901297065	0.2288351116
## Compactness_v2.PET	0.239836996	-0.257268734	0.0976520676
## Spherical_disproportion.PET	0.582508233	0.630793589	0.3140748566
## Sphericity.PET	0.234593452	-0.401507800	0.1317391060
## Asphericity.PET	0.561046749	0.628958754	0.3033214361
## Center_of_mass.PET	0.379337289	0.184675436	0.2915604623
## Max_3D_diam.PET	0.465181596	-0.149869414	0.2972140623
## Major_axis_length.PET	0.504078445	-0.009415071	0.2846147059
## Minor_axis_length.PET	0.666213177	0.145227522	0.4292984166
## Least_axis_length.PET	0.566378196	0.025527029	0.3511323048

## Elongation.PET	0.844352539	0.478774427	0.4563506552
## Flatness.PET	0.785144358	0.375116103	0.3852096322
## Max_cooc.L.PET	0.451144580	0.977492419	0.1940934128
## Average_cooc.L.PET	0.796843358	0.360525158	0.2181229738
## Variance_cooc.L.PET	0.629760358	0.327726467	0.1515189317
## Entropy_cooc.L.PET	0.967661616	0.372786925	0.4678245246
## DAVE_cooc.L.PET	0.739511266	0.358939150	0.2705343293
## DVAR_cooc.L.PET	0.665665099	0.378111177	0.2445463269
## DENT_cooc.L.PET	0.953741492	0.410700994	0.4470645586
## SAVE_cooc.L.PET	0.796671008	0.359464808	0.2180092100
## SVAR_cooc.L.PET	0.640007787	0.317498871	0.1302560462
## SENT_cooc.L.PET	0.958312300	0.495377449	0.4474353453
## ASM_cooc.L.PET	0.422725137	0.981990965	0.1799180958
## Contrast_cooc.L.PET	0.528641579	0.299577055	0.1648536670
## Dissimilarity_cooc.L.PET	0.739511266	0.358939150	0.2705343293
## Inv_diff_cooc.L.PET	0.842396240	0.532354962	0.5287922479
## Inv_diff_norm_cooc.L.PET	0.979690618	0.451298358	0.5192700489
## IDM_cooc.L.PET	0.753894242	0.585071545	0.5033503768
## IDM_norm_cooc.L.PET	0.982954100	0.449555098	0.5110510042
## Inv_var_cooc.L.PET	0.760477531	0.582759778	0.5110400584
## Correlation_cooc.L.PET	0.656287963	0.330011923	0.3182864005
## Autocorrelation_cooc.L.PET	0.592513242	0.305609460	0.0435527460
## Tendency_cooc.L.PET	0.640007787	0.317498871	0.1302560462
## Shade_cooc.L.PET	0.312869800	0.125124454	0.1994505370
## Prominence_cooc.L.PET	0.446955205	0.255573812	0.0572937212
## IC1_.L.PET	-0.336904881	0.020590365	-0.0510591551
## IC2_.L.PET	0.873858614	0.533542842	0.3867462155
## Coarseness_vdif_.L.PET	0.455588697	0.912135756	0.1286553927
## Contrast_vdif_.L.PET	0.216215562	0.215032001	0.0646217710
## Busyness_vdif_.L.PET	0.329925448	-0.038825812	0.3291143984
## Complexity_vdif_.L.PET	0.697667959	0.413389142	0.3226640977
## Strength_vdif_.L.PET	0.279994617	0.301974585	0.0644582197
## SRE_align.L.PET	0.983409397	0.456583647	0.4968639535
## LRE_align.L.PET	0.977363470	0.438035390	0.5219924638
## GLNU_align.L.PET	0.279383700	-0.023685268	0.2613181730
## RLNU_align.L.PET	0.247781985	-0.072434930	0.2088720462
## RP_align.L.PET	0.983060047	0.456731925	0.4956396463
## LGRE_align.L.PET	0.619340053	0.650532470	0.4431499171
## HGRE_align.L.PET	0.612300177	0.315342096	0.0704527897
## LGSRE_align.L.PET	0.623954489	0.660753983	0.4417578788
## HGSRE_align.L.PET	0.610797851	0.316689950	0.0694004099
## LGHRE_align.L.PET	0.597649625	0.608298108	0.4452052931
## HGLRE_align.L.PET	0.616633319	0.308685211	0.0753449490
## GLNU_norm_align.L.PET	0.659895321	0.884129913	0.3829949117
## RLNU_norm_align.L.PET	0.981185964	0.458160328	0.4901038768
## GLVAR_align.L.PET	0.658033468	0.333061166	0.1502571784
## RLVAR_align.L.PET	0.631101854	0.812138738	0.3739290803
## Entropy_align.L.PET	0.971508520	0.388909201	0.4619529108
## SZSE.L.PET	0.962176108	0.462386226	0.4650419557
## LZSE.L.PET	0.682143964	0.270730762	0.4454470429
## LGLZE.L.PET	0.631987458	0.662545778	0.4468069368
## HGLZE.L.PET	0.622854975	0.316810745	0.0779652427
## SZLGE.L.PET	0.641522519	0.693662431	0.4311250789
## SZHGE.L.PET	0.619548956	0.323685429	0.0723271522

## LZLGE.L.PET	0.500099446	0.472461492	0.4413641345
## LZHGE.L.PET	0.504700975	0.226573603	0.0873118377
## GLNU_area.L.PET	0.279803938	-0.029264385	0.2570698098
## ZSNU.L.PET	0.247752510	-0.082171831	0.2012692031
## ZSP.L.PET	0.967655924	0.459992810	0.4665529069
## GLNU_norm.L.PET	0.659968899	0.888096185	0.3822187275
## ZSNU_norm.L.PET	0.968812478	0.461063460	0.4659610836
## GLVAR_area.L.PET	0.669460077	0.340290364	0.1565938987
## ZSVAR.L.PET	0.446787040	0.328171551	0.3678824298
## Entropy_area.L.PET	0.973131257	0.385874871	0.4727755563
## Max_cooc.H.PET	0.288687590	0.434779989	0.1195485272
## Average_cooc.H.PET	0.955309274	0.435533099	0.4875109153
## Variance_cooc.H.PET	0.852694721	0.302115640	0.3839497690
## Entropy_cooc.H.PET	0.835184217	0.256381710	0.3450823737
## DAVE_cooc.H.PET	0.868228138	0.330130589	0.4347297643
## DVAR_cooc.H.PET	0.839727886	0.341290276	0.3885483042
## DENT_cooc.H.PET	0.764865372	0.205546651	0.5364266803
## SAVE_cooc.H.PET	0.961605250	0.419030772	0.5220789797
## SVAR_cooc.H.PET	0.832611801	0.329151557	0.4634759899
## SENT_cooc.H.PET	0.690490976	0.569906910	0.3290301559
## ASM_cooc.H.PET	0.270167403	0.524224090	0.0735670305
## Contrast_cooc.H.PET	0.770885698	0.295719588	0.3679445876
## Dissimilarity_cooc.H.PET	0.868228138	0.330130589	0.4347297643
## Inv_diff_cooc.H.PET	0.650644787	0.489787247	0.3244246953
## Inv_diff_norm_cooc.H.PET	0.979577571	0.467483601	0.5011460734
## IDM_cooc.H.PET	0.546076659	0.465693023	0.2709572210
## IDM_norm_cooc.H.PET	0.983092831	0.458085337	0.5039662247
## Inv_var_cooc.H.PET	0.578997907	0.866643939	0.2942215923
## Correlation_cooc.H.PET	0.668008766	0.326519526	0.2987586867
## Autocorrelation_cooc.H.PET	0.896199976	0.441022072	0.4462882796
## Tendency_cooc.H.PET	0.820630753	0.278424378	0.3582619947
## Shade_cooc.H.PET	-0.420203225	-0.159557972	-0.1112468529
## Prominence_cooc.H.PET	0.610896002	0.160704125	0.2360574187
## IC1_d.H.PET	-0.104211568	0.326140440	-0.0711211883
## IC2_d.H.PET	0.773963844	0.375661631	0.3836385761
## Coarseness_vdif.H.PET	0.415377270	0.978731599	0.1595010853
## Contrast_vdif.H.PET	0.267844738	0.287655713	-0.0038405579
## Busyness_vdif.H.PET	0.133715530	-0.402338990	0.2031246142
## Complexity_vdif.H.PET	0.645327148	0.647541816	0.3099621345
## Strength_vdif.H.PET	0.015828022	0.127774583	-0.0897586496
## SRE_align.H.PET	0.961963624	0.422612435	0.4909466966
## LRE_align.H.PET	0.616392535	0.351853598	0.3474967721
## RLNU_align.H.PET	0.246685595	-0.062239834	0.1773497826
## RP_align.H.PET	0.950314350	0.415884652	0.4800459558
## LGRE_align.H.PET	0.440319493	0.975813715	0.1656442363
## HGRE_align.H.PET	0.899356834	0.435067827	0.4561431454
## LGSRE_align.H.PET	0.437880521	0.975954977	0.1645431314
## HGSRE_align.H.PET	0.948152909	0.422058897	0.4948777715
## LGHRE_align.H.PET	0.453233167	0.975806814	0.1732237674
## HGLRE_align.H.PET	0.417401395	0.280125019	0.2120500894
## GLNU_norm_align.H.PET	0.486391727	0.475357600	0.2325465499
## RLNU_norm_align.H.PET	0.902498105	0.383112776	0.4565283565
## GLVAR_align.H.PET	0.820795580	0.278818656	0.3749396304
## RLVAR_align.H.PET	0.266712442	0.249334298	0.1870639471

## Entropy_align.H.PET	0.894838306	0.303738944	0.4527871248
## SZSE.H.PET	0.851275925	0.349551975	0.4539337434
## LZSE.H.PET	-0.066424160	-0.031262354	0.0354885819
## LGLZE.H.PET	0.441125289	0.973888143	0.1630250773
## HGLZE.H.PET	0.843790398	0.369626183	0.5769121127
## SZLGE.H.PET	0.434650087	0.974689897	0.1608407731
## SZHGE.H.PET	0.821181648	0.304001970	0.5143628058
## LZLGE.H.PET	-0.001431115	0.104583938	0.0523918176
## LZHGE.H.PET	-0.054807701	0.011894294	-0.0001427729
## GLNU_area.H.PET	0.290433423	-0.084267112	0.2609947464
## ZSNU.H.PET	0.210386668	-0.068843662	0.1127185974
## ZSP.H.PET	0.670689805	0.228923475	0.3460919417
## GLNU_norm.H.PET	0.502135259	0.480084039	0.1975566718
## ZSNU_norm.H.PET	0.719963091	0.276175402	0.3849843732
## GLVAR_area.H.PET	0.794343989	0.266190487	0.3812976324
## ZSVAR_H.PET	-0.059665954	-0.006636757	0.0211829740
## Entropy_area.H.PET	0.940050271	0.349445456	0.4999003104
## Max_cooc.W.PET	0.327886903	0.647743204	0.1061760063
## Average_cooc.W.PET	0.524435666	0.099033845	0.1787540391
## Variance_cooc.W.PET	0.253767657	0.029305322	0.0678447647
## Entropy_cooc.W.PET	0.854338532	0.266410150	0.4323258990
## DAVE_cooc.W.PET	0.545388376	0.125107032	0.2417525731
## DVAR_cooc.W.PET	0.280763232	0.020639423	0.1001416830
## DENT_cooc.W.PET	0.837918902	0.275866712	0.4328004687
## SAVE_cooc.W.PET	0.523713375	0.097038772	0.1784529798
## SVAR_cooc.W.PET	0.231381254	0.031389263	0.0558157829
## SENT_cooc.W.PET	0.889871985	0.393031898	0.4543679014
## ASM_cooc.W.PET	0.359742941	0.816877571	0.1109847561
## Contrast_cooc.W.PET	0.289204392	0.019992900	0.0930724753
## Dissimilarity_cooc.W.PET	0.545388376	0.125107032	0.2417525731
## Inv_diff_cooc.W.PET	0.731512628	0.502607617	0.3726403910
## Inv_diff_norm_cooc.W.PET	0.979823367	0.453494347	0.5182446497
## IDM_cooc.W.PET	0.596359419	0.476047089	0.2972344884
## IDM_norm_cooc.W.PET	0.983081691	0.450457451	0.5110780138
## Inv_var_cooc.W.PET	0.667543636	0.505386644	0.3450339025
## Correlation_cooc.W.PET	0.656230463	0.327249679	0.3198317775
## Autocorrelation_cooc.W.PET	0.253798481	-0.008353547	0.0114814481
## Tendency_cooc.W.PET	0.231381254	0.031389263	0.0558157829
## Shade_cooc.W.PET	0.038818486	0.036101349	0.0367192602
## Prominence_cooc.W.PET	0.004166617	0.009430612	-0.0087945548
## IC1_d.W.PET	-0.121049672	0.394920763	-0.0805041924
## IC2_d.W.PET	0.832317580	0.430805462	0.4234511688
## Coarseness_vdif.W.PET	0.423756137	0.842704492	0.0943725886
## Contrast_vdif.W.PET	0.468843741	0.250324325	0.1520258870
## Busyness_vdif.W.PET	0.218779220	-0.041986602	0.1728991352
## Complexity_vdif.W.PET	0.159624411	0.015454075	0.0518980276
## Strength_vdif.W.PET	0.244360131	0.170955387	0.1432564824
## SRE_align.W.PET	0.979829783	0.441152566	0.5009211229
## LRE_align.W.PET	0.846350784	0.430865263	0.4408562202
## GLNU_align.W.PET	0.280179773	-0.072831186	0.3272799279
## RLNU_align.W.PET	0.248274009	-0.062990606	0.1932793901
## RP_align.W.PET	0.975903647	0.436704427	0.4974710149
## LGRE_align.W.PET	0.472489286	0.452723501	0.2808575117
## HGRE_align.W.PET	0.254889730	-0.016530194	0.0213904954

## LGSRE_align.W.PET	0.509263264	0.479814853	0.3060716042
## HGSRE_align.W.PET	0.250314144	-0.018139015	0.0193278170
## LGHRE_align.W.PET	0.308774397	0.327931256	0.1796385796
## HGLRE_align.W.PET	0.273057131	-0.010113780	0.0309263709
## GLNU_norm_align.W.PET	0.487657600	0.572634202	0.2253431357
## RLNU_norm_align.W.PET	0.958904794	0.418938461	0.4909977802
## GLVAR_align.W.PET	0.254492263	0.018418531	0.0612662861
## RLVAR_align.W.PET	0.339463654	0.387783374	0.1891928001
## Entropy_align.W.PET	0.897175817	0.302625437	0.4531523329
## SZSE.W.PET	0.934202979	0.414819964	0.4775070454
## LZSE.W.PET	0.122621531	0.136662956	0.0480383368
## LGLZE.W.PET	0.499749105	0.473610652	0.2887220462
## HGLZE.W.PET	0.258445257	-0.015477170	0.0268853968
## SZLGE.W.PET	0.577755480	0.547518209	0.3459295795
## SZHGE.W.PET	0.245258002	-0.018971556	0.0196334287
## LZLGE.W.PET	-0.013826202	0.056295608	-0.0076444119
## LZHGE.W.PET	0.309287416	0.039591331	0.0652490274
## GLNU_area.W.PET	0.292341081	-0.077599172	0.3060960088
## ZSNU.W.PET	0.233618956	-0.063759970	0.1567900515
## ZSP.W.PET	0.864370541	0.349082249	0.4538084032
## GLNU_norm.W.PET	0.507848766	0.589475470	0.2179011542
## ZSNU_norm.W.PET	0.861960152	0.353064123	0.4587908136
## GLVAR_area.W.PET	0.258416022	0.022906472	0.0675359585
## ZSVAR.W.PET	0.039832694	0.098099553	0.0140105846
## Entropy_area.W.PET	0.932604579	0.335010474	0.4801684433
## Min_hist.ADC	0.359256039	0.217717288	-0.3687244268
## Max_hist.ADC	0.861771006	0.342379490	0.7043873602
## Mean_hist.ADC	0.864576403	0.342055268	0.5838104654
## Variance_hist.ADC	0.386604406	0.299656499	0.7179144985
## Standard_Deviation_hist.ADC	0.665038733	0.372001681	0.7587740852
## Skewness_hist.ADC	0.242801292	0.115069111	-0.3103051283
## Kurtosis_hist.ADC	0.347340555	0.063942880	0.1453093365
## Energy_hist.ADC	0.433823053	0.986696747	0.1385451925
## Entropy_hist.ADC	0.936898410	0.360596308	0.6113155380
## AUC_hist.ADC	0.965649965	0.448263135	0.4568885087
## Volume.ADC	0.330274097	-0.154775589	0.2016247250
## X3D_surface.ADC	0.443288925	0.083873488	0.5107749880
## ratio_3ds_vol.ADC	0.613861158	0.517446752	0.0950146016
## ratio_3ds_vol_norm.ADC	0.931067376	0.351100693	0.5573010262
## irregularity.ADC	0.935865039	0.473017463	0.3880132692
## Compactness_v1.ADC	0.669058949	0.928282709	0.2648091341
##	SZLGE.W.ADC	SZHGE.W.ADC	LZLGE.W.ADC
## Failure	0.069425154	-0.203914531	0.0060024952
## Entropy_cooc.W.ADC	-0.027247637	0.203232101	0.0636341640
## GLNU_align.H.PET	0.059772067	0.111587030	0.1296780462
## Min_hist.PET	0.091764726	0.221036553	0.0645402688
## Max_hist.PET	0.103903670	0.274007095	0.0854887991
## Mean_hist.PET	0.087164963	0.203266217	0.0608396170
## Variance_hist.PET	0.022019554	0.060490701	-0.0013868305
## Standard_Deviation_hist.PET	0.125790367	0.232289188	0.0977078963
## Skewness_hist.PET	0.289661476	0.510853090	0.2799150080
## Kurtosis_hist.PET	0.129776975	0.310449232	0.1221009961
## Energy_hist.PET	0.971539970	0.162748396	0.8790364733
## Entropy_hist.PET	0.283691460	0.586537608	0.2999863645

## AUC_hist.PET	0.491568153	0.512119430	0.4660648025
## H_suv.PET	0.217427441	0.257949963	0.1563872733
## Volume.PET	-0.152802192	0.187391094	-0.1018651612
## X3D_surface.PET	0.120581992	0.237765687	0.1608364888
## ratio_3ds_vol.PET	0.630593550	0.247667624	0.5395169707
## ratio_3ds_vol_norm.PET	0.631644251	0.311584805	0.5840848137
## irregularity.PET	0.459901678	0.480594434	0.4236869719
## tumor_length.PET	0.330415681	0.402897323	0.3609040728
## Compactness_v1.PET	0.903550720	0.229711938	0.8301832945
## Compactness_v2.PET	-0.261102506	0.097276438	-0.2183867862
## Spherical_disproportion.PET	0.631644251	0.311584805	0.5840848137
## Sphericity.PET	-0.405436196	0.131897907	-0.3550325632
## Asphericity.PET	0.629862084	0.300856190	0.5823034737
## Center_of_mass.PET	0.178693007	0.290552329	0.2081902143
## Max_3D_diam.PET	-0.154968150	0.296914006	-0.1077445771
## Major_axis_length.PET	-0.014583308	0.284493374	0.0251702696
## Minor_axis_length.PET	0.139783801	0.427707096	0.1635096418
## Least_axis_length.PET	0.019962432	0.350289765	0.0525702936
## Elongation.PET	0.478637879	0.453532521	0.4345206162
## Flatness.PET	0.374393475	0.383539118	0.3421554372
## Max_cooc.L.PET	0.981187532	0.194583769	0.8926423469
## Average_cooc.L.PET	0.363455742	0.217416203	0.3104806996
## Variance_cooc.L.PET	0.331402352	0.150256793	0.2719627829
## Entropy_cooc.L.PET	0.371786841	0.465963545	0.3475036609
## DAVE_cooc.L.PET	0.362896243	0.269491853	0.2980176295
## DVAR_cooc.L.PET	0.384087140	0.242072159	0.3016403672
## DENT_cooc.L.PET	0.411475765	0.445176164	0.3687404333
## SAVE_cooc.L.PET	0.362392070	0.217301212	0.3095032464
## SVAR_cooc.L.PET	0.319971602	0.128624778	0.2717062470
## SENT_cooc.L.PET	0.496041348	0.445480041	0.4498083238
## ASM_cooc.L.PET	0.985612581	0.180566974	0.8979336489
## Contrast_cooc.L.PET	0.304668116	0.164347319	0.2355053159
## Dissimilarity_cooc.L.PET	0.362896243	0.269491853	0.2980176295
## Inv_diff_cooc.L.PET	0.528715496	0.526896669	0.5193859714
## Inv_diff_norm_cooc.L.PET	0.449632825	0.517158673	0.4255645168
## IDM_cooc.L.PET	0.581387461	0.501712408	0.5707693414
## IDM_norm_cooc.L.PET	0.448218670	0.508966307	0.4213607233
## Inv_var_cooc.L.PET	0.578833375	0.509147541	0.5701415146
## Correlation_cooc.L.PET	0.323448471	0.316064242	0.3540045284
## Autocorrelation_cooc.L.PET	0.310079659	0.043499174	0.2510749255
## Tendency_cooc.L.PET	0.319971602	0.128624778	0.2717062470
## Shade_cooc.L.PET	0.123496389	0.196100502	0.1219305990
## Prominence_cooc.L.PET	0.258500983	0.054883650	0.2108330060
## IC1_.L.PET	0.020265438	-0.050033531	0.0322240332
## IC2_.L.PET	0.533278579	0.385348157	0.4925972576
## Coarseness_vdif_.L.PET	0.917191617	0.128967362	0.8181036675
## Contrast_vdif_.L.PET	0.219297037	0.064995245	0.1652424100
## Busyness_vdif_.L.PET	-0.044080680	0.329175112	-0.0079068466
## Complexity_vdif_.L.PET	0.417790312	0.321325431	0.3439010379
## Strength_vdif_.L.PET	0.306275390	0.062148768	0.2431113445
## SRE_align.L.PET	0.455861631	0.494849236	0.4232651221
## LRE_align.L.PET	0.436362517	0.519855447	0.4129598475
## GLNU_align.L.PET	-0.029856398	0.260507446	0.0143055189
## RLNU_align.L.PET	-0.078813592	0.208787457	-0.0305322966

## RP_align.L.PET	0.456084508	0.493628098	0.4228054082
## LGRE_align.L.PET	0.650018085	0.441287984	0.6104947989
## HGRE_align.L.PET	0.320138867	0.070582663	0.2570056181
## LGSRE_align.L.PET	0.660359109	0.439938797	0.6190568085
## HGSRE_align.L.PET	0.321532547	0.069515484	0.2579424278
## LGHRE_align.L.PET	0.607324504	0.443183512	0.5751085814
## HGLRE_align.L.PET	0.313256052	0.075527474	0.2524157356
## GLNU_norm_align.L.PET	0.885980025	0.382143301	0.8132257703
## RLNU_norm_align.L.PET	0.457747376	0.488107619	0.4223850482
## GLVAR_align.L.PET	0.336725579	0.149285467	0.2780297804
## RLVAR_align.L.PET	0.810755071	0.373398521	0.7725375013
## Entropy_align.L.PET	0.387885087	0.460132089	0.3627475939
## SZSE.L.PET	0.461781027	0.463203604	0.4288733803
## LZSE.L.PET	0.268722332	0.443463868	0.2588273392
## LGLZE.L.PET	0.662097709	0.444802313	0.6202286689
## HGLZE.L.PET	0.321616698	0.077890280	0.2583012458
## SZLGE.L.PET	0.693463613	0.429179096	0.6471747088
## SZHGE.L.PET	0.328393964	0.072119823	0.2661037492
## LZLGE.L.PET	0.470117378	0.439478563	0.4607487092
## LZHGE.L.PET	0.230366639	0.087640038	0.1783759510
## GLNU_area.L.PET	-0.035548800	0.256422219	0.0096693835
## ZSNU.L.PET	-0.088406825	0.201322427	-0.0402933638
## ZSP.L.PET	0.459660167	0.464690760	0.4244662654
## GLNU_norm.L.PET	0.889877424	0.381430696	0.8172989615
## ZSNU_norm.L.PET	0.461074575	0.464042739	0.4226178009
## GLVAR_area.L.PET	0.343950789	0.155485379	0.2847288305
## ZSVAR.L.PET	0.324662228	0.366585463	0.3273988090
## Entropy_area.L.PET	0.384580352	0.470854664	0.3618142447
## Max_cooc.H.PET	0.432444877	0.119696062	0.4252546825
## Average_cooc.H.PET	0.434020614	0.485579910	0.4095864221
## Variance_cooc.H.PET	0.303682251	0.382122502	0.2610990844
## Entropy_cooc.H.PET	0.257960144	0.341519273	0.2193038648
## DAVE_cooc.H.PET	0.333357303	0.433165979	0.2749763223
## DVAR_cooc.H.PET	0.345615604	0.387774394	0.2780178014
## DENT_cooc.H.PET	0.200000611	0.534205821	0.2326692501
## SAVE_cooc.H.PET	0.416507044	0.520011905	0.4052394616
## SVAR_cooc.H.PET	0.325250211	0.461985968	0.3288118619
## SENT_cooc.H.PET	0.572965040	0.326544925	0.5074339637
## ASM_cooc.H.PET	0.523395157	0.074748910	0.4979268327
## Contrast_cooc.H.PET	0.300714783	0.367230748	0.2308596858
## Dissimilarity_cooc.H.PET	0.333357303	0.433165979	0.2749763223
## Inv_diff_cooc.H.PET	0.486023164	0.323992267	0.4839729255
## Inv_diff_norm_cooc.H.PET	0.465877537	0.499108458	0.4404066859
## IDM_cooc.H.PET	0.461952601	0.270875512	0.4627552283
## IDM_norm_cooc.H.PET	0.456720444	0.501864852	0.4295399923
## Inv_var_cooc_.H.PET	0.869761484	0.293447297	0.7907072852
## Correlation_cooc.H.PET	0.320069739	0.296199991	0.3501526661
## Autocorrelation_cooc.H.PET	0.438923769	0.444547594	0.4198214887
## Tendency_cooc.H.PET	0.277998389	0.355996437	0.2539654584
## Shade_cooc.H.PET	-0.161401919	-0.109946008	-0.1374627857
## Prominence_cooc.H.PET	0.160512707	0.234151312	0.1437199758
## IC1_d.H.PET	0.335697740	-0.070809392	0.2355197239
## IC2_d.H.PET	0.370588813	0.381533322	0.3834983582
## Coarseness_vdif.H.PET	0.982841268	0.160106569	0.8909052727

## Contrast_vdif.H.PET	0.291000438	-0.001957315	0.2395704654
## Busyness_vdif.H.PET	-0.404210661	0.203813244	-0.3707936591
## Complexity_vdif.H.PET	0.653304252	0.309025410	0.5608191005
## Strength_vdif.H.PET	0.130177870	-0.089813844	0.0995733286
## SRE_align.H.PET	0.423049713	0.488665978	0.3818278092
## LRE_align.H.PET	0.345370740	0.347365447	0.3786800587
## RLNU_align.H.PET	-0.068112480	0.177317376	-0.0266557825
## RP_align.H.PET	0.416693873	0.477811122	0.3724459839
## LGRE_align.H.PET	0.979611814	0.166389246	0.8906836430
## HGRE_align.H.PET	0.433109983	0.454641246	0.4129750807
## LGSRE_align.H.PET	0.979776790	0.165294929	0.8906817768
## HGSRE_align.H.PET	0.421419948	0.492798271	0.3893031570
## LGHRE_align.H.PET	0.979365086	0.173939588	0.8923764399
## HGLRE_align.H.PET	0.274908793	0.212500829	0.3013151911
## GLNU_norm_align.H.PET	0.473588908	0.232756181	0.4551105839
## RLNU_norm_align.H.PET	0.384694819	0.454273783	0.3360952443
## GLVAR_align.H.PET	0.280125001	0.373220530	0.2431155303
## RLVAR_align.H.PET	0.242280387	0.187632433	0.2928568899
## Entropy_align.H.PET	0.302354304	0.450744735	0.2856890707
## SZSE.H.PET	0.350286174	0.451432804	0.3136601705
## LZSE.H.PET	-0.039841524	0.036260347	0.0593648055
## LGLZE.H.PET	0.977688727	0.163774312	0.8888319361
## HGLZE.H.PET	0.365181209	0.575577037	0.3722001453
## SZLGE.H.PET	0.978500194	0.161607686	0.8897266615
## SZHGE.H.PET	0.303623243	0.511552317	0.2818277046
## LZLGE.H.PET	0.096097630	0.053123630	0.2010609917
## LZHGE.H.PET	0.004927155	0.000776930	0.0777449988
## GLNU_area.H.PET	-0.089604547	0.260349490	-0.0497165540
## ZSNU.H.PET	-0.074163656	0.113119029	-0.0364206916
## ZSP.H.PET	0.231916350	0.343889876	0.1853509490
## GLNU_norm.H.PET	0.479189128	0.197659893	0.4512477983
## ZSNU_norm.H.PET	0.278063466	0.382586592	0.2372385650
## GLVAR_area.H.PET	0.267211268	0.380125233	0.2342422445
## ZSVAR.H.PET	-0.014892869	0.021964430	0.0823610374
## Entropy_area.H.PET	0.347434454	0.498064628	0.3327107239
## Max_cooc.W.PET	0.648136923	0.106692688	0.6060867306
## Average_cooc.W.PET	0.100245320	0.178088156	0.0746428885
## Variance_cooc.W.PET	0.030823035	0.068341015	0.0045513444
## Entropy_cooc.W.PET	0.266477263	0.430137878	0.2383343566
## DAVE_cooc.W.PET	0.127951402	0.240862825	0.0848072742
## DVAR_cooc.W.PET	0.023645615	0.100934021	-0.0147138294
## DENT_cooc.W.PET	0.276997311	0.430509948	0.2385447570
## SAVE_cooc.W.PET	0.098242954	0.177785393	0.0728152241
## SVAR_cooc.W.PET	0.032202505	0.056172322	0.0120013577
## SENT_cooc.W.PET	0.393598494	0.452004843	0.3537335433
## ASM_cooc.W.PET	0.818591056	0.112110896	0.7555172274
## Contrast_cooc.W.PET	0.023214964	0.093889259	-0.0164943583
## Dissimilarity_cooc.W.PET	0.127951402	0.240862825	0.0848072742
## Inv_diff_cooc.W.PET	0.499497672	0.371975014	0.4901920325
## Inv_diff_norm_cooc.W.PET	0.451848299	0.516147132	0.4274441898
## IDM_cooc.W.PET	0.472623733	0.297143358	0.4695881795
## IDM_norm_cooc.W.PET	0.449140678	0.508992764	0.4220466229
## Inv_var_cooc.W.PET	0.502290783	0.344519828	0.4946340905
## Correlation_cooc.W.PET	0.320713692	0.317584984	0.3511940830

## Autocorrelation_cooc.W.PET	-0.007236085	0.012182832	-0.0250811628
## Tendency_cooc.W.PET	0.032202505	0.056172322	0.0120013577
## Shade_cooc.W.PET	0.036848979	0.037690742	0.0206060717
## Prominence_cooc.W.PET	0.010244343	-0.007150287	-0.0039294670
## IC1_d.W.PET	0.403055183	-0.079710453	0.3132387873
## IC2_d.W.PET	0.427371559	0.421581054	0.4214929252
## Coarseness_vdif.W.PET	0.848043169	0.094838491	0.7500674311
## Contrast_vdif.W.PET	0.255802285	0.151861515	0.1848872943
## Busyness_vdif.W.PET	-0.049305015	0.174470546	0.0161338919
## Complexity_vdif.W.PET	0.016411418	0.053290579	-0.0043050219
## Strength_vdif.W.PET	0.174613065	0.140763964	0.1258735216
## SRE_align.W.PET	0.440862876	0.498719320	0.4051121683
## LRE_align.W.PET	0.427001677	0.439772568	0.4269185860
## GLNU_align.W.PET	-0.079669317	0.326948661	-0.0211579830
## RLNU_align.W.PET	-0.069112761	0.193166238	-0.0247127774
## RP_align.W.PET	0.436659891	0.495252040	0.3988779487
## LGRE_align.W.PET	0.449910712	0.280716480	0.4414455378
## HGRE_align.W.PET	-0.015320258	0.022218139	-0.0337847144
## LGSRE_align.W.PET	0.477438932	0.305763805	0.4628730968
## HGSRE_align.W.PET	-0.016853336	0.020173043	-0.0358842768
## LGHRE_align.W.PET	0.323189091	0.180077395	0.3426481457
## HGLRE_align.W.PET	-0.009243032	0.031677383	-0.0250970315
## GLNU_norm_align.W.PET	0.571746327	0.225583194	0.5407696370
## RLNU_norm_align.W.PET	0.419419873	0.488653634	0.3781615951
## GLVAR_align.W.PET	0.019695209	0.061904633	-0.0034977135
## RLVAR_align.W.PET	0.382159731	0.189910292	0.4103544129
## Entropy_align.W.PET	0.301646682	0.451118382	0.2807069403
## SZSE.W.PET	0.415080398	0.475143857	0.3771075846
## LZSE.W.PET	0.131477714	0.048116018	0.1740194898
## LGLZE.W.PET	0.471056707	0.288622566	0.4572517800
## HGLZE.W.PET	-0.014192880	0.027625064	-0.0333196072
## SZLGE.W.PET	0.545962548	0.345311872	0.5176741823
## SZHGE.W.PET	-0.017478740	0.020414735	-0.0379855345
## LZLGE.W.PET	0.050164753	-0.006813006	0.1081171459
## LZHGE.W.PET	0.039414249	0.064683494	0.0282908881
## GLNU_area.W.PET	-0.083734705	0.305680341	-0.0345963938
## ZSNU.W.PET	-0.069490103	0.156897694	-0.0289693778
## ZSP.W.PET	0.350447542	0.451693436	0.3071897927
## GLNU_norm.W.PET	0.588929335	0.218260912	0.5535644429
## ZSNU_norm.W.PET	0.354550255	0.456161346	0.3098071860
## GLVAR_area.W.PET	0.024240930	0.068101934	0.0003616762
## ZSVAR.W.PET	0.092718652	0.014021557	0.1416383309
## Entropy_area.W.PET	0.333136396	0.478208834	0.3179882043
## Min_hist.ADC	0.226780551	-0.374557359	0.1244197465
## Max_hist.ADC	0.337339678	0.703513520	0.3588199423
## Mean_hist.ADC	0.344153277	0.578267012	0.2968042212
## Variance_hist.ADC	0.285013348	0.724843017	0.4010856424
## Standard_Deviation_hist.ADC	0.360887859	0.763558628	0.4353188533
## Skewness_hist.ADC	0.121751238	-0.305114592	0.0461332603
## Kurtosis_hist.ADC	0.068718379	0.136466183	0.0190250509
## Energy_hist.ADC	0.991107231	0.139440431	0.8956659059
## Entropy_hist.ADC	0.355849574	0.609443485	0.3664938727
## AUC_hist.ADC	0.449137481	0.455951729	0.4016920040
## Volume.ADC	-0.160843771	0.200803463	-0.1111248516

## X3D_surface.ADC	0.072519581	0.510152550	0.1651723043
## ratio_3ds_vol.ADC	0.524312165	0.096367202	0.4236242773
## ratio_3ds_vol_norm.ADC	0.348401828	0.555256660	0.3396779508
## irregularity.ADC	0.474693195	0.387716657	0.4198794640
## Compactness_v1.ADC	0.931715156	0.264720750	0.8440618156
##	LZHGE.W.ADC	GLNU_area.W.ADC	ZSNU.W.ADC
## Failure	-0.207366661	-0.148667838	-0.168791768
## Entropy_cooc.W.ADC	0.201179808	0.209766223	0.267553246
## GLNU_align.H.PET	0.106983022	0.127220776	0.167993045
## Min_hist.PET	0.225936163	0.290451748	0.275987900
## Max_hist.PET	0.279436358	0.343426717	0.313639240
## Mean_hist.PET	0.206933891	0.320174446	0.287676067
## Variance_hist.PET	0.057358379	0.224141580	0.182864251
## Standard_Deviation_hist.PET	0.237197835	0.344473770	0.292164349
## Skewness_hist.PET	0.525283642	0.156552078	0.221814376
## Kurtosis_hist.PET	0.317529819	0.031286545	0.105395655
## Energy_hist.PET	0.159037533	0.032786819	0.079709397
## Entropy_hist.PET	0.587646949	0.384657062	0.413052027
## AUC_hist.PET	0.519561856	0.374707114	0.358874342
## H_suv.PET	0.260074195	0.364327640	0.319566422
## Volume.PET	0.190380744	0.359507823	0.345114095
## X3D_surface.PET	0.233660791	0.231823952	0.243610867
## ratio_3ds_vol.PET	0.265195387	0.033660676	0.046928882
## ratio_3ds_vol_norm.PET	0.323579934	0.259585408	0.259973004
## irregularity.PET	0.491282905	0.276969970	0.262429931
## tumor_length.PET	0.406820535	0.395783533	0.386370973
## Compactness_v1.PET	0.223729823	0.165003293	0.192451344
## Compactness_v2.PET	0.099121413	0.210453466	0.147479095
## Spherical_disproportion.PET	0.323579934	0.259585408	0.259973004
## Sphericity.PET	0.130467649	0.200673161	0.146494113
## Asphericity.PET	0.312776077	0.252237449	0.253588029
## Center_of_mass.PET	0.294866070	0.302869436	0.297954997
## Max_3D_diam.PET	0.296401734	0.350354725	0.322881691
## Major_axis_length.PET	0.282884536	0.349775175	0.344321846
## Minor_axis_length.PET	0.432445797	0.496541442	0.460264129
## Least_axis_length.PET	0.351516355	0.480232784	0.426971307
## Elongation.PET	0.465366318	0.364816015	0.319036680
## Flatness.PET	0.389062444	0.394051511	0.326118626
## Max_cooc.L.PET	0.190943330	0.066822086	0.116513372
## Average_cooc.L.PET	0.219975144	0.243979601	0.175705522
## Variance_cooc.L.PET	0.158010369	0.088107442	0.038651069
## Entropy_cooc.L.PET	0.473322552	0.400483252	0.357283786
## DAVE_cooc.L.PET	0.274882915	0.151945230	0.110091119
## DVAR_cooc.L.PET	0.256038963	0.096446727	0.043346855
## DENT_cooc.L.PET	0.453508802	0.322639501	0.286035016
## SAVE_cooc.L.PET	0.219867470	0.243992680	0.175631469
## SVAR_cooc.L.PET	0.138457262	0.115482204	0.060975269
## SENT_cooc.L.PET	0.453958177	0.331738545	0.301973435
## ASM_cooc.L.PET	0.176023727	0.072854325	0.121755070
## Contrast_cooc.L.PET	0.167757785	0.032756964	-0.002040133
## Dissimilarity_cooc.L.PET	0.274882915	0.151945230	0.110091119
## Inv_diff_cooc.L.PET	0.533440241	0.370017040	0.379429012
## Inv_diff_norm_cooc.L.PET	0.525679526	0.382913095	0.361175790
## IDM_cooc.L.PET	0.506786436	0.332330716	0.355298024

## IDM_norm_cooc.L.PET	0.517459970	0.376977301	0.352881481
## Inv_var_cooc.L.PET	0.515969385	0.349928862	0.373103524
## Correlation_cooc.L.PET	0.326011617	0.340228297	0.318807239
## Autocorrelation_cooc.L.PET	0.043402022	0.138465333	0.066303129
## Tendency_cooc.L.PET	0.138457262	0.115482204	0.060975269
## Shade_cooc.L.PET	0.216768914	0.067340366	0.084791241
## Prominence_cooc.L.PET	0.070281292	0.017603633	-0.015327705
## IC1_.L.PET	-0.057468034	0.124664440	0.154307606
## IC2_.L.PET	0.391876630	0.197586661	0.176413993
## Coarseness_vdif_.L.PET	0.127570512	-0.023199880	0.015297483
## Contrast_vdif_.L.PET	0.064035469	-0.096878928	-0.103639186
## Busyness_vdif_.L.PET	0.326864929	0.341676634	0.334607849
## Complexity_vdif_.L.PET	0.328332684	0.131248903	0.112901802
## Strength_vdif_.L.PET	0.077425201	-0.179945606	-0.162291641
## SRE_align.L.PET	0.503246701	0.361342841	0.335080999
## LRE_align.L.PET	0.528279788	0.376592627	0.352054840
## GLNU_align.L.PET	0.263082111	0.293813628	0.277541132
## RLNU_align.L.PET	0.207219963	0.316018698	0.295062872
## RP_align.L.PET	0.502019153	0.359413088	0.333118077
## LGRE_align.L.PET	0.449826207	0.125908458	0.174761520
## HGRE_align.L.PET	0.069235270	0.154316118	0.085116300
## LGSRE_align.L.PET	0.448289869	0.127711714	0.176536845
## HGSRE_align.L.PET	0.068331553	0.150634587	0.082033480
## LGHRE_align.L.PET	0.452398154	0.118440369	0.166902215
## HGLRE_align.L.PET	0.073540365	0.169153561	0.097634381
## GLNU_norm_align.L.PET	0.384984476	0.149899642	0.200736076
## RLNU_norm_align.L.PET	0.496479315	0.352819330	0.326104150
## GLVAR_align.L.PET	0.154822908	0.131433338	0.072393778
## RLVAR_align.L.PET	0.373108235	0.251187199	0.279336206
## Entropy_align.L.PET	0.467279186	0.394684388	0.350898352
## SZSE.L.PET	0.471396817	0.356092049	0.330984435
## LZSE.L.PET	0.449445826	0.264164489	0.245160935
## LGLZE.L.PET	0.454172471	0.130565498	0.178430207
## HGLZE.L.PET	0.077700490	0.155939925	0.086243817
## SZLGE.L.PET	0.438634353	0.136331309	0.184001222
## SZHGE.L.PET	0.073209007	0.152638090	0.085895606
## LZLGE.L.PET	0.446793052	0.096185347	0.144950844
## LZHGE.L.PET	0.083159597	0.143377036	0.076879176
## GLNU_area.L.PET	0.258214105	0.300312326	0.285248613
## ZSNU.L.PET	0.199104297	0.320253501	0.300510402
## ZSP.L.PET	0.472917218	0.348282888	0.323988898
## GLNU_norm.L.PET	0.383914230	0.152437316	0.202993316
## ZSNU_norm.L.PET	0.472304593	0.334737283	0.310787113
## GLVAR_area.L.PET	0.161772247	0.131867097	0.072926324
## ZSVAR.L.PET	0.368957151	0.227563776	0.221759983
## Entropy_area.L.PET	0.478409583	0.403902824	0.359816794
## Max_cooc.H.PET	0.118856456	-0.077392368	-0.029171087
## Average_cooc.H.PET	0.493672538	0.299242076	0.281880993
## Variance_cooc.H.PET	0.389375937	0.410049794	0.348026254
## Entropy_cooc.H.PET	0.359246198	0.373178932	0.298126039
## DAVE_cooc.H.PET	0.439269054	0.343152906	0.301638817
## DVAR_cooc.H.PET	0.389443399	0.321886907	0.278812349
## DENT_cooc.H.PET	0.543627962	0.348006943	0.376322641
## SAVE_cooc.H.PET	0.528524096	0.334124019	0.321130394

## SVAR_cooc.H.PET	0.466647684	0.423010742	0.428996334
## SENT_cooc.H.PET	0.338283558	0.293308498	0.271791614
## ASM_cooc.H.PET	0.068016392	-0.069813966	-0.021498685
## Contrast_cooc.H.PET	0.368833223	0.300289649	0.257848794
## Dissimilarity_cooc.H.PET	0.439269054	0.343152906	0.301638817
## Inv_diff_cooc.H.PET	0.324280350	0.131906232	0.153781936
## Inv_diff_norm_cooc.H.PET	0.507514864	0.358403257	0.336302670
## IDM_cooc.H.PET	0.269467759	0.074919310	0.104760344
## IDM_norm_cooc.H.PET	0.510620127	0.364086042	0.339906056
## Inv_var_cooc.H.PET	0.296473800	0.206356161	0.237825196
## Correlation_cooc.H.PET	0.308017938	0.348513238	0.316060335
## Autocorrelation_cooc.H.PET	0.451913945	0.239957942	0.230371657
## Tendency_cooc.H.PET	0.365655049	0.432688784	0.365621902
## Shade_cooc.H.PET	-0.114404831	-0.126048492	-0.060775642
## Prominence_cooc.H.PET	0.242026620	0.405657178	0.331907199
## IC1_d.H.PET	-0.071389881	-0.096897267	-0.068692566
## IC2_d.H.PET	0.390775937	0.365395650	0.334103525
## Coarseness_vdif.H.PET	0.156136927	0.054561504	0.100378985
## Contrast_vdif.H.PET	-0.012341355	-0.097456553	-0.101358250
## Busyness_vdif.H.PET	0.199379979	0.252648228	0.218936861
## Complexity_vdif.H.PET	0.312283132	0.143157588	0.146195419
## Strength_vdif.H.PET	-0.088283936	-0.101526749	-0.097070020
## SRE_align.H.PET	0.498697982	0.380010222	0.346823397
## LRE_align.H.PET	0.345198508	0.141526018	0.158925978
## RLNU_align.H.PET	0.175994454	0.314396508	0.293742798
## RP_align.H.PET	0.487702611	0.375694629	0.341691056
## LGRE_align.H.PET	0.161334972	0.095247665	0.137292041
## HGRE_align.H.PET	0.460503735	0.255476251	0.253567963
## LGSRE_align.H.PET	0.160218268	0.093680487	0.135987428
## HGSRE_align.H.PET	0.501977284	0.295756686	0.287341718
## LGHRE_align.H.PET	0.168921050	0.103289213	0.144334212
## HGLRE_align.H.PET	0.207972511	0.074677653	0.086345492
## GLNU_norm_align.H.PET	0.230682125	-0.011212079	0.031019980
## RLNU_norm_align.H.PET	0.464503358	0.371437309	0.333706800
## GLVAR_align.H.PET	0.379658544	0.418308529	0.355249328
## RLVAR_align.H.PET	0.182212970	0.048672152	0.072454680
## Entropy_align.H.PET	0.459062673	0.451490313	0.402186106
## SZSE.H.PET	0.463212961	0.394066434	0.358297158
## LZSE.H.PET	0.030878127	-0.034237032	-0.006076066
## LGLZE.H.PET	0.158690174	0.096300068	0.137495743
## HGLZE.H.PET	0.578807347	0.258594092	0.295290530
## SZLGE.H.PET	0.156474248	0.091723754	0.134178376
## SZHGE.H.PET	0.524938581	0.304063608	0.301879522
## LZLGE.H.PET	0.047438304	-0.008434804	0.019596191
## LZHGE.H.PET	-0.005141999	-0.045512939	-0.032461833
## GLNU_area.H.PET	0.261731401	0.327576253	0.304671650
## ZSNU.H.PET	0.110203316	0.287490159	0.274531631
## ZSP.H.PET	0.354839605	0.330686930	0.293442049
## GLNU_norm.H.PET	0.196492972	-0.003542159	0.016909357
## ZSNU_norm.H.PET	0.393967660	0.355510051	0.322298181
## GLVAR_area.H.PET	0.383224343	0.415048778	0.361527196
## ZSVAR.H.PET	0.016515468	-0.037021175	-0.016477188
## Entropy_area.H.PET	0.504839827	0.443382996	0.404947948
## Max_cooc.W.PET	0.103793012	-0.044602988	0.004196051

## Average_cooc.W.PET	0.180718534	0.340886835	0.280009736
## Variance_cooc.W.PET	0.066280175	0.207515121	0.169251181
## Entropy_cooc.W.PET	0.439750659	0.430995788	0.379002634
## DAVE_cooc.W.PET	0.245198491	0.295279123	0.245852293
## DVAR_cooc.W.PET	0.097160445	0.189490230	0.155209779
## DENT_cooc.W.PET	0.441124013	0.396208118	0.349706620
## SAVE_cooc.W.PET	0.180426781	0.340814946	0.279826333
## SVAR_cooc.W.PET	0.054920901	0.210716808	0.173467164
## SENT_cooc.W.PET	0.462639301	0.406378349	0.366287373
## ASM_cooc.W.PET	0.105438894	-0.015337585	0.036953302
## Contrast_cooc.W.PET	0.089899552	0.180508610	0.142945993
## Dissimilarity_cooc.W.PET	0.245198491	0.295279123	0.245852293
## Inv_diff_cooc.W.PET	0.373068359	0.169627976	0.185710925
## Inv_diff_norm_cooc.W.PET	0.524613713	0.380158885	0.358376170
## IDM_cooc.W.PET	0.295461100	0.097133607	0.123567641
## IDM_norm_cooc.W.PET	0.517501653	0.375925185	0.351709775
## Inv_var_cooc.W.PET	0.345082188	0.138249048	0.159861810
## Correlation_cooc.W.PET	0.327660042	0.344169853	0.323099576
## Autocorrelation_cooc.W.PET	0.008457858	0.238232677	0.190150221
## Tendency_cooc.W.PET	0.054920901	0.210716808	0.173467164
## Shade_cooc.W.PET	0.033443730	0.071026282	0.063332978
## Prominence_cooc.W.PET	-0.015346876	0.047459623	0.038021321
## IC1_d.W.PET	-0.083641596	-0.071976975	-0.033723431
## IC2_d.W.PET	0.429809828	0.334695336	0.305947126
## Coarseness_vdif.W.PET	0.092874183	-0.059801594	-0.024598356
## Contrast_vdif.W.PET	0.153008357	0.143076248	0.100171191
## Busyness_vdif.W.PET	0.163602591	0.100199233	0.107796245
## Complexity_vdif.W.PET	0.046055854	0.160109246	0.135150646
## Strength_vdif.W.PET	0.155945473	-0.046746684	-0.044739252
## SRE_align.W.PET	0.508187839	0.375654482	0.345696791
## LRE_align.W.PET	0.442522459	0.270740334	0.263552847
## GLNU_align.W.PET	0.325506733	0.295245621	0.284877033
## RLNU_align.W.PET	0.192079138	0.314067257	0.292846955
## RP_align.W.PET	0.504858248	0.375862163	0.345156402
## LGRE_align.W.PET	0.280559057	-0.013067337	0.038783669
## HGRE_align.W.PET	0.017697342	0.244549460	0.197330603
## LGSRE_align.W.PET	0.306472208	0.000868077	0.050853925
## HGSRE_align.W.PET	0.015625175	0.239521221	0.193077539
## LCHRE_align.W.PET	0.176846558	-0.055687678	-0.001080969
## HGLRE_align.W.PET	0.027262422	0.264241547	0.213635600
## GLNU_norm_align.W.PET	0.223440037	-0.012475675	0.034750170
## RLNU_norm_align.W.PET	0.499077089	0.379560414	0.345302475
## GLVAR_align.W.PET	0.058827242	0.224839128	0.183476908
## RLVAR_align.W.PET	0.183742909	0.046400994	0.073160475
## Entropy_align.W.PET	0.459453063	0.446851594	0.397010282
## SZSE.W.PET	0.486190477	0.389149913	0.356577565
## LZSE.W.PET	0.046443256	-0.035597686	-0.036780351
## LGLZE.W.PET	0.288332941	0.009176151	0.051778550
## HGLZE.W.PET	0.023643773	0.238551205	0.192020873
## SZLGE.W.PET	0.347998547	0.061454983	0.098408089
## SZHGE.W.PET	0.016480894	0.220196079	0.176923101
## LZLGE.W.PET	-0.012103890	-0.087852503	-0.057568563
## LZHGE.W.PET	0.065978147	0.288965217	0.207330259
## GLNU_area.W.PET	0.305242344	0.317776298	0.302258065

## ZSNU.W.PET	0.155161698	0.303692532	0.286510635
## ZSP.W.PET	0.461361539	0.381295859	0.350125391
## GLNU_norm.W.PET	0.215521845	-0.005580451	0.035040038
## ZSNU_norm.W.PET	0.468504662	0.377961921	0.343421127
## GLVAR_area.W.PET	0.065392166	0.221954936	0.180833501
## ZSVAR.W.PET	0.013175538	-0.051513475	-0.055475347
## Entropy_area.W.PET	0.485844625	0.444264909	0.399531248
## Min_hist.ADC	-0.337559095	-0.199279304	-0.299350705
## Max_hist.ADC	0.704486017	0.504222288	0.542908431
## Mean_hist.ADC	0.607520459	0.248522241	0.225452569
## Variance_hist.ADC	0.679554849	0.263105798	0.482551244
## Standard_Deviation_hist.ADC	0.730513566	0.338210797	0.497199276
## Skewness_hist.ADC	-0.331236159	0.194849243	0.133246500
## Kurtosis_hist.ADC	0.190987756	0.373861269	0.173018747
## Energy_hist.ADC	0.133958094	0.043652887	0.084723835
## Entropy_hist.ADC	0.615543706	0.490883192	0.493130953
## AUC_hist.ADC	0.458467067	0.430296794	0.395164013
## Volume.ADC	0.203989675	0.363424159	0.350863534
## X3D_surface.ADC	0.509902035	0.786909107	0.837476512
## ratio_3ds_vol.ADC	0.089431919	-0.175057295	-0.189573402
## ratio_3ds_vol_norm.ADC	0.564000207	0.426440699	0.406873696
## irregularity.ADC	0.387613816	0.196729957	0.168024641
## Compactness_v1.ADC	0.263399642	0.152606145	0.174994289
##	ZSP.W.ADC	GLNU_norm.W.ADC	ZSNU_norm.W.ADC
## Failure	-0.0005760562	0.114648851	0.006783869
## Entropy_cooc.W.ADC	0.0349303670	-0.081018718	0.024059901
## GLNU_align.H.PET	-0.0429300133	0.014908759	-0.046569523
## Min_hist.PET	0.5293776264	0.188375964	0.529797549
## Max_hist.PET	0.5459486825	0.198794237	0.541948603
## Mean_hist.PET	0.5302525899	0.186653565	0.528598878
## Variance_hist.PET	0.2625693620	0.073599518	0.265556831
## Standard_Deviation_hist.PET	0.5366417892	0.218913436	0.534694968
## Skewness_hist.PET	0.5393989101	0.336724390	0.538432880
## Kurtosis_hist.PET	0.1578437390	0.167168390	0.152952813
## Energy_hist.PET	0.4515912247	0.952789849	0.459724788
## Entropy_hist.PET	0.8794326210	0.368328763	0.871949119
## AUC_hist.PET	0.9947050955	0.609924649	0.991579026
## H_suv.PET	0.5608200673	0.318972397	0.562333247
## Volume.PET	0.3279012423	-0.098139732	0.313685935
## X3D_surface.PET	0.2262779646	0.106986301	0.218196950
## ratio_3ds_vol.PET	0.5730044339	0.678093508	0.576789799
## ratio_3ds_vol_norm.PET	0.5847353933	0.670399568	0.579764971
## irregularity.PET	0.9677205014	0.574700212	0.967096116
## tumor_length.PET	0.6061516459	0.376686983	0.591841688
## Compactness_v1.PET	0.5582938588	0.911076015	0.563388252
## Compactness_v2.PET	0.2277876653	-0.190916007	0.223228710
## Spherical_disproportion.PET	0.5847353933	0.670399568	0.579764971
## Sphericity.PET	0.2286814283	-0.327318629	0.224144388
## Asphericity.PET	0.5628837720	0.665068928	0.557939453
## Center_of_mass.PET	0.3729699489	0.169094773	0.365665248
## Max_3D_diam.PET	0.4661817268	-0.079121290	0.452203080
## Major_axis_length.PET	0.5113962673	0.051216293	0.499490152
## Minor_axis_length.PET	0.6606325514	0.228079947	0.646201181
## Least_axis_length.PET	0.5602032191	0.103566997	0.546447816

## Elongation.PET	0.8550302130	0.588936587	0.854460515
## Flatness.PET	0.7935025762	0.491311631	0.791220794
## Max_cooc.L.PET	0.4769680581	0.968910224	0.483175089
## Average_cooc.L.PET	0.8086641392	0.485648288	0.810641076
## Variance_cooc.L.PET	0.6412869756	0.423424100	0.650561897
## Entropy_cooc.L.PET	0.9778868947	0.506301426	0.973897836
## DAVE_cooc.L.PET	0.7521656331	0.475813048	0.759961805
## DVAR_cooc.L.PET	0.6591157391	0.511884687	0.667881686
## DENT_cooc.L.PET	0.9670259944	0.544243407	0.967206585
## SAVE_cooc.L.PET	0.8084658684	0.484662589	0.810435568
## SVAR_cooc.L.PET	0.6507305371	0.408229221	0.657683109
## SENT_cooc.L.PET	0.9745809014	0.616080343	0.972994860
## ASM_cooc.L.PET	0.4479479063	0.966276309	0.454276931
## Contrast_cooc.L.PET	0.5398864896	0.390295851	0.551599973
## Dissimilarity_cooc.L.PET	0.7521656331	0.475813048	0.759961805
## Inv_diff_cooc.L.PET	0.8568919436	0.610482709	0.849368912
## Inv_diff_norm_cooc.L.PET	0.9938519920	0.572195743	0.989197917
## IDM_cooc.L.PET	0.7687652929	0.641948535	0.761853030
## IDM_norm_cooc.L.PET	0.9971748071	0.572920856	0.993110328
## Inv_var_cooc.L.PET	0.7731177928	0.638632506	0.765399985
## Correlation_cooc.L.PET	0.6615696638	0.367520686	0.650081918
## Autocorrelation_cooc.L.PET	0.6023835377	0.410132645	0.606461971
## Tendency_cooc.L.PET	0.6507305371	0.408229221	0.657683109
## Shade_cooc.L.PET	0.3246248089	0.131194899	0.326477469
## Prominence_cooc.L.PET	0.4587123580	0.317869149	0.467045704
## IC1_.L.PET	-0.3538540528	-0.019768499	-0.364865040
## IC2_.L.PET	0.8986879651	0.620520055	0.905008959
## Coarseness_vdif_.L.PET	0.4852452686	0.907550588	0.495296146
## Contrast_vdif_.L.PET	0.2328731266	0.242176308	0.242498684
## Busyness_vdif_.L.PET	0.3161283795	-0.010956143	0.303263623
## Complexity_vdif_.L.PET	0.7124359426	0.517175241	0.720835733
## Strength_vdif_.L.PET	0.2978872233	0.323257452	0.306341865
## SRE_align.L.PET	0.9980249335	0.582364421	0.995319339
## LRE_align.L.PET	0.9909120637	0.560909628	0.986386144
## GLNU_align.L.PET	0.2602911211	-0.005623815	0.246320958
## RLNU_align.L.PET	0.2357942549	-0.065418099	0.222982673
## RP_align.L.PET	0.9977911976	0.582740592	0.995189470
## LGRE_align.L.PET	0.6314997238	0.699979269	0.632796037
## HGRE_align.L.PET	0.6241322118	0.423338704	0.628234570
## LGSRE_align.L.PET	0.6363309901	0.710405486	0.637816113
## HGSRE_align.L.PET	0.6225255585	0.424237962	0.626787992
## LGHRE_align.L.PET	0.6089611238	0.656663974	0.609442134
## HGLRE_align.L.PET	0.6287783738	0.418114694	0.632178771
## GLNU_norm_align.L.PET	0.6851423510	0.916030699	0.687923133
## RLNU_norm_align.L.PET	0.9961923239	0.584740502	0.993968246
## GLVAR_align.L.PET	0.6688115947	0.438367615	0.676432134
## RLVAR_align.L.PET	0.6488377781	0.832518940	0.646312073
## Entropy_align.L.PET	0.9826910155	0.520040181	0.978926967
## SZSE.L.PET	0.9759123584	0.583259166	0.973920994
## LZSE.L.PET	0.6925105626	0.360724806	0.685949824
## LGLZE.L.PET	0.6430866164	0.714432572	0.644019908
## HGLZE.L.PET	0.6334771336	0.426038363	0.637208303
## SZLGE.L.PET	0.6523689635	0.744443349	0.653671199
## SZHGE.L.PET	0.6283678729	0.429575706	0.632108731

## LZLGE.L.PET	0.5109768973	0.513422251	0.509776968
## LZHGE.L.PET	0.5194252592	0.322779122	0.521459171
## GLNU_area.L.PET	0.2620747603	-0.013155751	0.248395694
## ZSNU.L.PET	0.2371063166	-0.074505597	0.224617655
## ZSP.L.PET	0.9821717173	0.582870067	0.980497311
## GLNU_norm.L.PET	0.6855902805	0.918784271	0.688372712
## ZSNU_norm.L.PET	0.9839097601	0.585353569	0.982171905
## GLVAR_area.L.PET	0.6795732117	0.447378443	0.686944273
## ZSVAR.L.PET	0.4530109033	0.366677325	0.444648396
## Entropy_area.L.PET	0.9833274895	0.517295905	0.978914813
## Max_cooc.H.PET	0.3160498673	0.430017944	0.320461359
## Average_cooc.H.PET	0.9731887551	0.554472621	0.971888655
## Variance_cooc.H.PET	0.8540666436	0.432930952	0.848546900
## Entropy_cooc.H.PET	0.8306323549	0.413300847	0.825808977
## DAVE_cooc.H.PET	0.8756568865	0.473255547	0.875112925
## DVAR_cooc.H.PET	0.8523240283	0.484056843	0.853387211
## DENT_cooc.H.PET	0.7815193877	0.276901018	0.769642644
## SAVE_cooc.H.PET	0.9793369719	0.530561422	0.978280610
## SVAR_cooc.H.PET	0.8478920208	0.410303156	0.839487880
## SENT_cooc.H.PET	0.6919590985	0.649978458	0.688883343
## ASM_cooc.H.PET	0.3018170016	0.511020856	0.308108999
## Contrast_cooc.H.PET	0.7806630426	0.436142364	0.783024898
## Dissimilarity_cooc.H.PET	0.8756568865	0.473255547	0.875112925
## Inv_diff_cooc.H.PET	0.6796314032	0.531483570	0.680412478
## Inv_diff_norm_cooc.H.PET	0.9952967862	0.586284835	0.991983555
## IDM_cooc.H.PET	0.5760656734	0.490755105	0.577816519
## IDM_norm_cooc.H.PET	0.9977325530	0.580062744	0.994302139
## Inv_var_cooc.H.PET	0.5989631013	0.884233875	0.600513091
## Correlation_cooc.H.PET	0.6676712682	0.370103458	0.655150781
## Autocorrelation_cooc.H.PET	0.9165117527	0.544880473	0.916362215
## Tendency_cooc.H.PET	0.8173358168	0.392363709	0.808050813
## Shade_cooc.H.PET	-0.4105613256	-0.230089758	-0.407434014
## Prominence_cooc.H.PET	0.6023758408	0.251386731	0.591605188
## IC1_d.H.PET	-0.1142281925	0.335702844	-0.109096085
## IC2_d.H.PET	0.7839023340	0.436197224	0.775546786
## Coarseness_vdif.H.PET	0.4407928451	0.962968585	0.448090353
## Contrast_vdif.H.PET	0.2907370153	0.309994807	0.301804623
## Busyness_vdif.H.PET	0.1195901608	-0.353888858	0.111550154
## Complexity_vdif.H.PET	0.6612687171	0.726216022	0.666403207
## Strength_vdif.H.PET	0.0244944527	0.128484348	0.027588158
## SRE_align.H.PET	0.9710256000	0.555425647	0.967632003
## LRE_align.H.PET	0.6427026143	0.390383663	0.643330319
## RLNU_align.H.PET	0.2351031600	-0.052846492	0.222716814
## RP_align.H.PET	0.9589934463	0.549141637	0.955891335
## LGRE_align.H.PET	0.4654586288	0.965673211	0.471005000
## HGRE_align.H.PET	0.9224635110	0.539736237	0.921855237
## LGSRE_align.H.PET	0.4630304180	0.965501231	0.468634384
## HGSRE_align.H.PET	0.9658099627	0.543729338	0.964304873
## LGHRE_align.H.PET	0.4785150564	0.966563793	0.483763219
## HGLRE_align.H.PET	0.4427179302	0.300295807	0.444921824
## GLNU_norm_align.H.PET	0.5184088538	0.500172207	0.524334252
## RLNU_norm_align.H.PET	0.9079937934	0.516284614	0.905133324
## GLVAR_align.H.PET	0.8216193206	0.404577735	0.814836321
## RLVAR_align.H.PET	0.2894415262	0.233860579	0.291061686

## Entropy_align.H.PET	0.9002855011	0.430096770	0.893479253
## SZSE.H.PET	0.8549245641	0.473230344	0.850899648
## LZSE.H.PET	-0.0556202248	-0.083859355	-0.053848480
## LGLZE.H.PET	0.4662029497	0.964362137	0.471582833
## HGLZE.H.PET	0.8755743015	0.444552309	0.871774993
## SZLGE.H.PET	0.4598115737	0.964033491	0.465408179
## SZHGE.H.PET	0.8317158211	0.416195693	0.829787678
## LZLGE.H.PET	0.0083352387	0.050002101	0.009815086
## LZHGE.H.PET	-0.0484037903	-0.029620213	-0.046386014
## GLNU_area.H.PET	0.2703119097	-0.059950324	0.255917839
## ZSNU.H.PET	0.2061543355	-0.063141351	0.196648818
## ZSP.H.PET	0.6694893407	0.343725776	0.667836765
## GLNU_norm.H.PET	0.5299370210	0.513663931	0.535987955
## ZSNU_norm.H.PET	0.7239038967	0.390640942	0.721495682
## GLVAR_area.H.PET	0.8016586930	0.384368989	0.796582611
## ZSVAR_H.PET	-0.0538495739	-0.055683514	-0.052467399
## Entropy_area.H.PET	0.9473239440	0.474324371	0.940316946
## Max_cooc.W.PET	0.3546713393	0.638339045	0.359352381
## Average_cooc.W.PET	0.5272594512	0.200607458	0.522928841
## Variance_cooc.W.PET	0.2612956346	0.079272596	0.265770295
## Entropy_cooc.W.PET	0.8561383236	0.397886012	0.850413707
## DAVE_cooc.W.PET	0.5494406305	0.233414127	0.551425263
## DVAR_cooc.W.PET	0.2944428151	0.090151015	0.302137237
## DENT_cooc.W.PET	0.8397341425	0.409735287	0.836116287
## SAVE_cooc.W.PET	0.5264863997	0.198672780	0.522141409
## SVAR_cooc.W.PET	0.2362347519	0.070516781	0.239138045
## SENT_cooc.W.PET	0.8956601636	0.515533897	0.890791499
## ASM_cooc.W.PET	0.3911037321	0.799055642	0.398085694
## Contrast_cooc.W.PET	0.3030311759	0.093903115	0.311212322
## Dissimilarity_cooc.W.PET	0.5494406305	0.233414127	0.551425263
## Inv_diff_cooc.W.PET	0.7579291041	0.559846089	0.757849887
## Inv_diff_norm_cooc.W.PET	0.9942190927	0.574255967	0.989648351
## IDM_cooc.W.PET	0.6254613569	0.509144139	0.627005411
## IDM_norm_cooc.W.PET	0.9973287524	0.573822743	0.993291527
## Inv_var_cooc.W.PET	0.6952927124	0.547708126	0.696179161
## Correlation_cooc.W.PET	0.6609452104	0.365195781	0.649214523
## Autocorrelation_cooc.W.PET	0.2626225373	0.054517105	0.260727265
## Tendency_cooc.W.PET	0.2362347519	0.070516781	0.239138045
## Shade_cooc.W.PET	0.0436804992	0.026743294	0.051025558
## Prominence_cooc.W.PET	0.0132285262	0.004431974	0.019968783
## IC1_d.W.PET	-0.1294112898	0.390196006	-0.127306510
## IC2_d.W.PET	0.8492191567	0.502881761	0.846363188
## Coarseness_vdif.W.PET	0.4544436948	0.838271904	0.465108502
## Contrast_vdif.W.PET	0.4787498313	0.348629070	0.490602910
## Busyness_vdif.W.PET	0.2341980542	-0.037349458	0.236002218
## Complexity_vdif.W.PET	0.1725776662	0.049779646	0.177078679
## Strength_vdif.W.PET	0.2466154509	0.205786273	0.256690144
## SRE_align.W.PET	0.9916093583	0.570964604	0.988344039
## LRE_align.W.PET	0.8691711330	0.517593356	0.867623258
## GLNU_align.W.PET	0.2669494497	-0.057810772	0.253513820
## RLNU_align.W.PET	0.2357870229	-0.054755645	0.223136666
## RP_align.W.PET	0.9872293365	0.567506440	0.983985761
## LGRE_align.W.PET	0.5003498868	0.478833377	0.506644518
## HGRE_align.W.PET	0.2654542443	0.048162852	0.264139987

## LGSRE_align.W.PET	0.5360389560	0.512012898	0.542444562
## HGSRE_align.W.PET	0.2611081753	0.046073690	0.260119872
## LGHRE_align.W.PET	0.3381042027	0.328160583	0.343731590
## HGLRE_align.W.PET	0.2826389994	0.056433018	0.279977209
## GLNU_norm_align.W.PET	0.5200689856	0.591010513	0.526171812
## RLNU_norm_align.W.PET	0.9677532254	0.552115526	0.964407958
## GLVAR_align.W.PET	0.2624241879	0.071600781	0.265240448
## RLVAR_align.W.PET	0.3647351911	0.377827724	0.367154757
## Entropy_align.W.PET	0.9022261876	0.431701808	0.895848655
## SZSE.W.PET	0.9412359194	0.541786135	0.937432657
## LZSE.W.PET	0.1292380539	0.124669429	0.130032449
## LGLZE.W.PET	0.5246492915	0.505386742	0.530207775
## HGLZE.W.PET	0.2686175732	0.049153780	0.267684545
## SZLGE.W.PET	0.5987095528	0.590992989	0.603261182
## SZHGE.W.PET	0.2563310607	0.043518755	0.256560973
## LZLGE.W.PET	0.0021681449	0.022363399	0.004849065
## LZHGE.W.PET	0.3027591860	0.106635460	0.293761358
## GLNU_area.W.PET	0.2760393089	-0.057195477	0.261910523
## ZSNU.W.PET	0.2241408659	-0.056465893	0.212756368
## ZSP.W.PET	0.8707793404	0.475716258	0.867730433
## GLNU_norm.W.PET	0.5399797060	0.611325315	0.546019157
## ZSNU_norm.W.PET	0.8665404420	0.480309832	0.862448373
## GLVAR_area.W.PET	0.2661035500	0.076411552	0.269043158
## ZSVAR.W.PET	0.0401129097	0.075543931	0.040428275
## Entropy_area.W.PET	0.9396369001	0.462546808	0.933489293
## Min_hist.ADC	0.3306777736	0.314355984	0.319280184
## Max_hist.ADC	0.8849292725	0.423788547	0.880610183
## Mean_hist.ADC	0.8675862511	0.460301978	0.860160331
## Variance_hist.ADC	0.4684787494	0.227047986	0.479469793
## Standard_Deviation_hist.ADC	0.7413191781	0.362756605	0.750066344
## Skewness_hist.ADC	0.2238172942	0.216063613	0.218635039
## Kurtosis_hist.ADC	0.2499190205	0.168266128	0.231873658
## Energy_hist.ADC	0.4605197840	0.975562180	0.468466770
## Entropy_hist.ADC	0.9522731313	0.468786449	0.945355238
## AUC_hist.ADC	0.9738809289	0.585270372	0.969581529
## Volume.ADC	0.3155310414	-0.108919342	0.300772623
## X3D_surface.ADC	0.4248539447	0.093210460	0.410619407
## ratio_3ds_vol.ADC	0.6583111786	0.587359214	0.671374280
## ratio_3ds_vol_norm.ADC	0.9373917931	0.462384220	0.931604873
## irregularity.ADC	0.9599073919	0.596524847	0.963225361
## Compactness_v1.ADC	0.6965238689	0.966438237	0.701572506
##	GLVAR_area.W.ADC	ZSVAR.W.ADC	Entropy_area.W.ADC
## Failure	-0.100828554	-0.014494515	-0.057732293
## Entropy_cooc.W.ADC	0.287628529	0.041325459	0.109979564
## GLNU_align.H.PET	0.147787235	0.057625207	0.006638567
## Min_hist.PET	0.194270052	0.264934187	0.532822628
## Max_hist.PET	0.259649606	0.308952016	0.563675929
## Mean_hist.PET	0.191654923	0.274683961	0.533932121
## Variance_hist.PET	0.105236411	0.113600579	0.271584987
## Standard_Deviation_hist.PET	0.207789811	0.321002365	0.542105421
## Skewness_hist.PET	0.415172224	0.364672627	0.554002067
## Kurtosis_hist.PET	0.341746516	0.133483335	0.201916335
## Energy_hist.PET	0.239731216	0.601560426	0.381059741
## Entropy_hist.PET	0.574513567	0.476161499	0.903991913

## AUC_hist.PET	0.474192169	0.671306144	0.973789772
## H_suv.PET	0.221485429	0.359929142	0.555522117
## Volume.PET	0.299819095	0.144708723	0.388312424
## X3D_surface.PET	0.310077004	0.186346831	0.272473364
## ratio_3ds_vol.PET	0.198239119	0.523338812	0.505896634
## ratio_3ds_vol_norm.PET	0.332861079	0.575085930	0.557494686
## irregularity.PET	0.424770705	0.625577302	0.935556440
## tumor_length.PET	0.449312157	0.484874134	0.634692792
## Compactness_v1.PET	0.310330083	0.635761214	0.505277280
## Compactness_v2.PET	0.065690241	0.025951286	0.250692769
## Spherical_disproportion.PET	0.332861079	0.575085930	0.557494686
## Sphericity.PET	0.077958908	-0.060846021	0.263079996
## Asphericity.PET	0.324196860	0.564931026	0.535778858
## Center_of_mass.PET	0.353381218	0.297890787	0.407979351
## Max_3D_diam.PET	0.305618893	0.168168181	0.508983748
## Major_axis_length.PET	0.358010108	0.232023599	0.545211784
## Minor_axis_length.PET	0.425995401	0.412555363	0.700542893
## Least_axis_length.PET	0.361409883	0.318979118	0.605110671
## Elongation.PET	0.343358500	0.597764266	0.831135069
## Flatness.PET	0.297669963	0.541543435	0.776786973
## Max_cooc.L.PET	0.285362583	0.624299120	0.415202411
## Average_cooc.L.PET	0.223286848	0.510894539	0.751542712
## Variance_cooc.L.PET	0.109527028	0.405617393	0.568862236
## Entropy_cooc.L.PET	0.420203026	0.614463760	0.958250380
## DAVE_cooc.L.PET	0.202374769	0.477140589	0.692516118
## DVAR_cooc.L.PET	0.164154520	0.504176086	0.603668070
## DENT_cooc.L.PET	0.385645777	0.613463186	0.932464150
## SAVE_cooc.L.PET	0.223060391	0.510357171	0.751397407
## SVAR_cooc.L.PET	0.114591606	0.406684294	0.579524113
## SENT_cooc.L.PET	0.401498890	0.651246937	0.936302551
## ASM_cooc.L.PET	0.270932888	0.615041236	0.386830096
## Contrast_cooc.L.PET	0.086669092	0.349168811	0.475289009
## Dissimilarity_cooc.L.PET	0.202374769	0.477140589	0.692516118
## Inv_diff_cooc.L.PET	0.520474033	0.634808405	0.862143114
## Inv_diff_norm_cooc.L.PET	0.477229247	0.652018478	0.978436671
## IDM_cooc.L.PET	0.511011981	0.618648120	0.776310607
## IDM_norm_cooc.L.PET	0.467451333	0.651275066	0.978729774
## Inv_var_cooc.L.PET	0.518034420	0.628148786	0.782476114
## Correlation_cooc.L.PET	0.348500803	0.461902486	0.660679523
## Autocorrelation_cooc.L.PET	0.093870003	0.386962424	0.533616011
## Tendency_cooc.L.PET	0.114591606	0.406684294	0.579524113
## Shade_cooc.L.PET	0.093155104	0.171063569	0.295984807
## Prominence_cooc.L.PET	0.027228304	0.279993938	0.383920709
## IC1_.L.PET	0.026332047	-0.072802113	-0.295330950
## IC2_.L.PET	0.334253171	0.593128513	0.840689650
## Coarseness_vdif_.L.PET	0.201913819	0.573450701	0.401496855
## Contrast_vdif_.L.PET	-0.001097886	0.159022963	0.180542147
## Busyness_vdif_.L.PET	0.350713117	0.197189031	0.378884398
## Complexity_vdif_.L.PET	0.227803748	0.485326029	0.659374725
## Strength_vdif_.L.PET	0.021991035	0.221705611	0.234719381
## SRE_align.L.PET	0.450734133	0.651930535	0.973827505
## LRE_align.L.PET	0.470256785	0.644913520	0.975545176
## GLNU_align.L.PET	0.298445213	0.190470966	0.317395643
## RLNU_align.L.PET	0.258154331	0.128911933	0.288681185

## RP_align.L.PET	0.448689903	0.651351467	0.972968799
## LGRE_align.L.PET	0.419462736	0.582539225	0.615321020
## HGRE_align.L.PET	0.103294654	0.396946684	0.555136970
## LGSRE_align.L.PET	0.419026470	0.589037780	0.618738522
## HGSRE_align.L.PET	0.101806497	0.397064198	0.553068789
## LGHRE_align.L.PET	0.418389933	0.554447538	0.598268884
## HGLRE_align.L.PET	0.109228189	0.395376474	0.561968004
## GLNU_norm_align.L.PET	0.422919015	0.685155301	0.644090345
## RLNU_norm_align.L.PET	0.441311124	0.649740793	0.969188232
## GLVAR_align.L.PET	0.123125506	0.425340925	0.597824856
## RLVAR_align.L.PET	0.429001175	0.658498533	0.628982884
## Entropy_align.L.PET	0.418142039	0.620590497	0.960135575
## SZSE.L.PET	0.442676619	0.647415631	0.951137223
## LZSE.L.PET	0.343728237	0.431034800	0.690557171
## LGLZE.L.PET	0.420809432	0.597764584	0.626289917
## HGLZE.L.PET	0.105007187	0.406328606	0.564938579
## SZLGE.L.PET	0.415655950	0.618387278	0.631679088
## SZHGE.L.PET	0.108981512	0.414108844	0.561366495
## LZLGE.L.PET	0.406933947	0.443686774	0.516125305
## LZHGE.L.PET	0.069827509	0.294482083	0.460909546
## GLNU_area.L.PET	0.300489963	0.184204276	0.319453776
## ZSNU.L.PET	0.258046447	0.120718068	0.290025613
## ZSP.L.PET	0.436667275	0.645947005	0.954965090
## GLNU_norm.L.PET	0.423071942	0.686352001	0.644361694
## ZSNU_norm.L.PET	0.426009908	0.644391209	0.953585162
## GLVAR_area.L.PET	0.126729483	0.436063776	0.608815218
## ZSVAR.L.PET	0.333455934	0.365649810	0.471060853
## Entropy_area.L.PET	0.427122335	0.623355000	0.963885250
## Max_cooc.H.PET	0.212091547	0.259359158	0.271406948
## Average_cooc.H.PET	0.455082047	0.614699257	0.946824622
## Variance_cooc.H.PET	0.322416918	0.554084529	0.840914053
## Entropy_cooc.H.PET	0.263819862	0.532061354	0.801980228
## DAVE_cooc.H.PET	0.343118145	0.557505476	0.854796533
## DVAR_cooc.H.PET	0.343991233	0.532928111	0.828379589
## DENT_cooc.H.PET	0.470330177	0.454190753	0.809516490
## SAVE_cooc.H.PET	0.484073036	0.610876023	0.962417214
## SVAR_cooc.H.PET	0.453713230	0.528053332	0.859178424
## SENT_cooc.H.PET	0.281530539	0.607292716	0.661715060
## ASM_cooc.H.PET	0.203841463	0.279923987	0.247519372
## Contrast_cooc.H.PET	0.284690519	0.485819366	0.755551602
## Dissimilarity_cooc.H.PET	0.343118145	0.557505476	0.854796533
## Inv_diff_cooc.H.PET	0.385868924	0.460053258	0.646227685
## Inv_diff_norm_cooc.H.PET	0.464674548	0.652234161	0.972632185
## IDM_cooc.H.PET	0.344791178	0.394249557	0.541798203
## IDM_norm_cooc.H.PET	0.460762128	0.652857333	0.975836318
## Inv_var_cooc_.H.PET	0.337063807	0.652684655	0.555164954
## Correlation_cooc.H.PET	0.321451232	0.482405240	0.667017896
## Autocorrelation_cooc.H.PET	0.440183432	0.578332906	0.885990635
## Tendency_cooc.H.PET	0.313946503	0.541356217	0.811827942
## Shade_cooc.H.PET	-0.097023747	-0.299051197	-0.401724359
## Prominence_cooc.H.PET	0.203136882	0.401717688	0.606787632
## IC1_d.H.PET	-0.043124140	0.143931169	-0.131992475
## IC2_d.H.PET	0.370992695	0.529113169	0.773132048
## Coarseness_vdif.H.PET	0.245458185	0.606885459	0.373480929

## Contrast_vdif.H.PET	0.128800859	0.173626617	0.241283666
## Busyness_vdif.H.PET	0.133059688	-0.077371764	0.177177905
## Complexity_vdif.H.PET	0.270590199	0.575674009	0.609520965
## Strength_vdif.H.PET	-0.067951125	0.028901000	-0.023040444
## SRE_align.H.PET	0.420561701	0.643863142	0.951526106
## LRE_align.H.PET	0.405238377	0.381968192	0.626231021
## RLNU_align.H.PET	0.252255585	0.132078552	0.284560458
## RP_align.H.PET	0.408188246	0.636110752	0.938816065
## LGRE_align.H.PET	0.263869011	0.622703424	0.403035527
## HGRE_align.H.PET	0.445121649	0.570151808	0.892562453
## LGSRE_align.H.PET	0.262893400	0.621531780	0.400517293
## HGSRE_align.H.PET	0.440834287	0.606730562	0.939850906
## LGHRE_align.H.PET	0.270738023	0.628518773	0.416699037
## HGLRE_align.H.PET	0.294739052	0.251192641	0.420943741
## GLNU_norm_align.H.PET	0.309106806	0.361163972	0.474377253
## RLNU_norm_align.H.PET	0.372177146	0.607338443	0.889848773
## GLVAR_align.H.PET	0.316583666	0.531873677	0.813107845
## RLVAR_align.H.PET	0.261994679	0.176183100	0.281505412
## Entropy_align.H.PET	0.399512555	0.567787693	0.897734874
## SZSE.H.PET	0.376542236	0.577960716	0.850935628
## LZSE.H.PET	0.087772618	-0.077682331	-0.039221785
## LGLZE.H.PET	0.262532614	0.622602869	0.403713704
## HGLZE.H.PET	0.542078798	0.503458375	0.878422267
## SZLGE.H.PET	0.261278387	0.619552741	0.397365821
## SZHGE.H.PET	0.407618349	0.522139452	0.835009769
## LZLGE.H.PET	0.114371500	0.024681737	0.016415160
## LZHGE.H.PET	0.067234603	-0.048002507	-0.045623185
## GLNU_area.H.PET	0.282702707	0.167920987	0.329636355
## ZSNU.H.PET	0.225095350	0.090701045	0.248722491
## ZSP.H.PET	0.260626669	0.445002828	0.668325520
## GLNU_norm.H.PET	0.275725984	0.381459622	0.476802328
## ZSNU_norm.H.PET	0.290692276	0.479996552	0.721588392
## GLVAR_area.H.PET	0.330980213	0.496154392	0.799156860
## ZSVAR.H.PET	0.083221814	-0.051670733	-0.041014814
## Entropy_area.H.PET	0.453974917	0.604545153	0.945417833
## Max_cooc.W.PET	0.203066011	0.386523391	0.292416488
## Average_cooc.W.PET	0.185880681	0.301228658	0.528703138
## Variance_cooc.W.PET	0.099945104	0.117153576	0.269336661
## Entropy_cooc.W.PET	0.357263634	0.541079483	0.853532766
## DAVE_cooc.W.PET	0.181027462	0.314383794	0.544357243
## DVAR_cooc.W.PET	0.094294012	0.109398503	0.295106983
## DENT_cooc.W.PET	0.342663723	0.536959568	0.833838756
## SAVE_cooc.W.PET	0.185389730	0.300046142	0.528058124
## SVAR_cooc.W.PET	0.103875959	0.115500819	0.248387415
## SENT_cooc.W.PET	0.382157154	0.607667456	0.882652577
## ASM_cooc.W.PET	0.237350714	0.472823352	0.322476723
## Contrast_cooc.W.PET	0.080400055	0.110251129	0.299666842
## Dissimilarity_cooc.W.PET	0.181027462	0.314383794	0.544357243
## Inv_diff_cooc.W.PET	0.408966208	0.513273122	0.725231915
## Inv_diff_norm_cooc.W.PET	0.476861109	0.652447269	0.978146818
## IDM_cooc.W.PET	0.360355773	0.425736967	0.591309014
## IDM_norm_cooc.W.PET	0.467258299	0.651805927	0.978682865
## Inv_var_cooc.W.PET	0.392316159	0.481956374	0.662677455
## Correlation_cooc.W.PET	0.348232943	0.462592209	0.661038751

## Autocorrelation_cooc.W.PET	0.095403574	0.103298369	0.269616609
## Tendency_cooc.W.PET	0.103875959	0.115500819	0.248387415
## Shade_cooc.W.PET	0.058971321	0.022570954	0.056362891
## Prominence_cooc.W.PET	0.049793708	-0.017811523	0.024427207
## IC1_d.W.PET	-0.013063852	0.168715585	-0.145175485
## IC2_d.W.PET	0.378710879	0.559696777	0.824855287
## Coarseness_vdif.W.PET	0.163458991	0.519362384	0.366982640
## Contrast_vdif.W.PET	0.087990596	0.307158125	0.443481148
## Busyness_vdif.W.PET	0.237521532	0.029452519	0.249253239
## Complexity_vdif.W.PET	0.120356463	0.053968597	0.186503904
## Strength_vdif.W.PET	0.092230106	0.186953085	0.242464948
## SRE_align.W.PET	0.442190228	0.652759608	0.970620746
## LRE_align.W.PET	0.446298927	0.543552419	0.845556712
## GLNU_align.W.PET	0.314568051	0.150346316	0.330038220
## RLNU_align.W.PET	0.255233297	0.134965671	0.286768417
## RP_align.W.PET	0.435771643	0.650319685	0.966192994
## LGRE_align.W.PET	0.322734779	0.354701801	0.465838799
## HGRE_align.W.PET	0.096563175	0.095222318	0.272391782
## LGSRE_align.W.PET	0.337059142	0.389527028	0.501084779
## HGSRE_align.W.PET	0.094121635	0.091464073	0.267770067
## LGHRE_align.W.PET	0.258217286	0.208687849	0.309251983
## HGLRE_align.W.PET	0.106307214	0.110334160	0.290711597
## GLNU_norm_align.W.PET	0.306723708	0.408931408	0.468851149
## RLNU_norm_align.W.PET	0.417702493	0.641707517	0.948113305
## GLVAR_align.W.PET	0.105705452	0.113349863	0.271737139
## RLVAR_align.W.PET	0.279377281	0.268390197	0.342354897
## Entropy_align.W.PET	0.394439939	0.569144241	0.898692543
## SZSE.W.PET	0.421290443	0.635465205	0.927143059
## LZSE.W.PET	0.102292236	0.088167852	0.107390617
## LGLZE.W.PET	0.331315816	0.388434868	0.489771504
## HGLZE.W.PET	0.096792435	0.098249011	0.275659489
## SZLGE.W.PET	0.365360582	0.477915155	0.564510073
## SZHGE.W.PET	0.090880290	0.087502827	0.262904128
## LZLGE.W.PET	0.070038761	-0.038472819	-0.010523761
## LZHGE.W.PET	0.082507470	0.190633078	0.301051711
## GLNU_area.W.PET	0.308247603	0.163058526	0.338799220
## ZSNU.W.PET	0.244626795	0.119132632	0.271612285
## ZSP.W.PET	0.380814776	0.575039371	0.863239674
## GLNU_norm.W.PET	0.305278613	0.428279928	0.485488257
## ZSNU_norm.W.PET	0.367147402	0.580872669	0.856579371
## GLVAR_area.W.PET	0.107330890	0.117937621	0.275511989
## ZSVAR.W.PET	0.072498762	0.048951388	0.025403355
## Entropy_area.W.PET	0.430234658	0.593786137	0.934942937
## Min_hist.ADC	-0.284233332	0.322720280	0.196117341
## Max_hist.ADC	0.696666205	0.548413303	0.937526441
## Mean_hist.ADC	0.402273281	0.588473811	0.847753220
## Variance_hist.ADC	0.999756451	0.137542700	0.590624438
## Standard_Deviation_hist.ADC	0.935797063	0.317714950	0.829300172
## Skewness_hist.ADC	-0.003110448	0.215794616	0.183641502
## Kurtosis_hist.ADC	-0.149076489	0.473616557	0.222201570
## Energy_hist.ADC	0.232555128	0.609137783	0.381184749
## Entropy_hist.ADC	0.570988357	0.604230933	0.985319991
## AUC_hist.ADC	0.458912368	0.662038621	0.957436810
## Volume.ADC	0.295579895	0.137221862	0.379067956

```
## X3D_surface.ADC          0.581556999  0.340551330      0.542914648
## ratio_3ds_vol.ADC        0.084933788  0.379060614      0.521997251
## ratio_3ds_vol_norm.ADC   0.504939480  0.609298397      0.946560936
## irregularity.ADC         0.364851931  0.596319184      0.899149684
## Compactness_v1.ADC       0.322794255  0.693158199      0.625982227
## [ reached getOption("max.print") -- omitted 196 rows ]
```

```
library(keras)
```

```
## Warning: package 'keras' was built under R version 4.2.2
```

```
library(caret)
library(rsample)
library(recipes)
```

```
##
## Attaching package: 'recipes'

## The following object is masked from 'package:stats':
##
##     step
```

```
library(h2o)
```

```
## Warning: package 'h2o' was built under R version 4.2.2
```

```
##
## -----
##
## Your next step is to start H2O:
##     > h2o.init()
##
## For H2O package documentation, ask for help:
##     > ??h2o
##
## After starting H2O, you can use the Web UI at http://localhost:54321
## For more information visit https://docs.h2o.ai
##
## -----
```

```
##
## Attaching package: 'h2o'

## The following objects are masked from 'package:stats':
##
##     cor, sd, var

## The following objects are masked from 'package:base':
##
##     %*%, %in%, &&, ||, apply, as.factor, as.numeric, colnames,
##     colnames<-, ifelse, is.character, is.factor, is.numeric, log,
##     log10, log1p, log2, round, signif, trunc
```

```
#set.seed(123)
df_split <- initial_split(data=df_final, prop = 0.8)
df_train <- training(df_split)
df_test <- testing(df_split)

h2o.init()
```

```
## Connection successful!
##
## R is connected to the H2O cluster:
##   H2O cluster uptime:      2 hours 57 minutes
##   H2O cluster timezone:    America/New_York
##   H2O data parsing timezone: UTC
##   H2O cluster version:     3.38.0.1
##   H2O cluster version age:  2 months and 26 days
##   H2O cluster name:        H2O_started_from_R_liuyu_nby419
##   H2O cluster total nodes: 1
##   H2O cluster total memory: 1.98 GB
##   H2O cluster total cores: 4
##   H2O cluster allowed cores: 4
##   H2O cluster healthy:     TRUE
##   H2O Connection ip:       localhost
##   H2O Connection port:     54321
##   H2O Connection proxy:    NA
##   H2O Internal Security:   FALSE
##   R Version:               R version 4.2.1 (2022-06-23 ucrt)
```

```
train_h2o <- as.h2o(df_train)
```

```
## |
```

```
test_h2o <- as.h2o(df_test)
```

```
## |
```

```
summary(df_final)
```

##	Failure.binary	Failure	Entropy_cooc.W.ADC	GLNU_align.H.PET
##	0:130	Min. : -1.1289	Min. : -2.6407173	Min. : -0.9982
##	1: 67	1st Qu.: -0.7892	1st Qu.: -0.6921994	1st Qu.: -0.6721
##		Median : -0.3066	Median : 0.0001827	Median : -0.1783
##		Mean : 0.0000	Mean : 0.0000000	Mean : 0.0000
##		3rd Qu.: 0.6028	3rd Qu.: 0.6719746	3rd Qu.: 0.1947
##		Max. : 3.7247	Max. : 2.1464095	Max. : 5.3894
##	Min_hist.PET	Max_hist.PET	Mean_hist.PET	Variance_hist.PET
##	Min. : -1.4098	Min. : -1.3604	Min. : -1.3802	Min. : -0.9758
##	1st Qu.: -0.6742	1st Qu.: -0.7578	1st Qu.: -0.7186	1st Qu.: -0.7523
##	Median : -0.2256	Median : -0.2204	Median : -0.2033	Median : -0.3017
##	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
##	3rd Qu.: 0.4998	3rd Qu.: 0.6421	3rd Qu.: 0.5710	3rd Qu.: 0.3681
##	Max. : 3.9898	Max. : 3.7697	Max. : 4.0472	Max. : 4.2731

## Standard_Deviation_hist.PET	Skewness_hist.PET	Kurtosis_hist.PET	
## Min. : -1.4225	Min. : -1.3197	Min. : -0.906441	
## 1st Qu.: -0.7628	1st Qu.: -0.6752	1st Qu.: -0.334292	
## Median : -0.1704	Median : -0.2561	Median : -0.216370	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.000000	
## 3rd Qu.: 0.6276	3rd Qu.: 0.4162	3rd Qu.: 0.003553	
## Max. : 3.7217	Max. : 5.7654	Max. : 10.932045	
## Energy_hist.PET	Entropy_hist.PET	AUC_hist.PET	H_suv.PET
## Min. : -2.3215	Min. : -1.4015	Min. : -0.8502	Min. : -1.4116
## 1st Qu.: -0.5462	1st Qu.: -0.6977	1st Qu.: -0.5790	1st Qu.: -0.8097
## Median : 0.1416	Median : -0.3109	Median : -0.5232	Median : -0.2091
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.5743	3rd Qu.: 0.3033	3rd Qu.: 1.4352	3rd Qu.: 0.4785
## Max. : 2.9868	Max. : 3.2567	Max. : 2.0653	Max. : 3.8765
## Volume.PET	X3D_surface.PET	ratio_3ds_vol.PET	ratio_3ds_vol_norm.PET
## Min. : -0.9976	Min. : -0.67301	Min. : -1.46122	Min. : -1.4293
## 1st Qu.: -0.7025	1st Qu.: -0.45312	1st Qu.: -0.56332	1st Qu.: -0.4508
## Median : -0.3145	Median : -0.25696	Median : -0.08817	Median : -0.2012
## Mean : 0.0000	Mean : 0.00000	Mean : 0.00000	Mean : 0.0000
## 3rd Qu.: 0.4610	3rd Qu.: 0.04246	3rd Qu.: 0.46611	3rd Qu.: 0.5039
## Max. : 5.2306	Max. : 8.76871	Max. : 3.06294	Max. : 3.9993
## irregularity.PET	tumor_length.PET	Compactness_v1.PET	Compactness_v2.PET
## Min. : -0.9167	Min. : -1.3131	Min. : -2.8712	Min. : -1.18599
## 1st Qu.: -0.6689	1st Qu.: -0.6263	1st Qu.: -0.0845	1st Qu.: -0.42580
## Median : -0.4986	Median : -0.3025	Median : 0.0234	Median : -0.26942
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: 1.0201	3rd Qu.: 0.3586	3rd Qu.: 0.5081	3rd Qu.: -0.07615
## Max. : 2.6689	Max. : 6.5779	Max. : 1.5563	Max. : 5.56600
## Spherical_disproportion.PET	Sphericity.PET	Asphericity.PET	
## Min. : -1.4293	Min. : -0.7419	Min. : -1.4360	
## 1st Qu.: -0.4508	1st Qu.: -0.4912	1st Qu.: -0.4400	
## Median : -0.2012	Median : -0.4224	Median : -0.1860	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.5039	3rd Qu.: -0.1356	3rd Qu.: 0.5296	
## Max. : 3.9993	Max. : 4.3869	Max. : 4.0153	
## Center_of_mass.PET	Max_3D_diam.PET	Major_axis_length.PET	
## Min. : -1.0766	Min. : -1.2376	Min. : -1.2762	
## 1st Qu.: -0.5755	1st Qu.: -0.7045	1st Qu.: -0.7141	
## Median : -0.2760	Median : -0.3091	Median : -0.3055	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.2817	3rd Qu.: 0.3615	3rd Qu.: 0.4158	
## Max. : 6.7859	Max. : 4.3245	Max. : 5.3569	
## Minor_axis_length.PET	Least_axis_length.PET	Elongation.PET	
## Min. : -1.4576	Min. : -1.4299	Min. : -1.5978	
## 1st Qu.: -0.7494	1st Qu.: -0.6863	1st Qu.: -0.6012	
## Median : -0.1394	Median : -0.2241	Median : -0.2718	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.3841	3rd Qu.: 0.3090	3rd Qu.: 0.2418	
## Max. : 4.5198	Max. : 4.9092	Max. : 2.8276	
## Flatness.PET	Max_cooc.L.PET	Average_cooc.L.PET	Variance_cooc.L.PET
## Min. : -1.6295	Min. : -2.3063	Min. : -1.8155	Min. : -1.8240
## 1st Qu.: -0.6460	1st Qu.: -0.5161	1st Qu.: -0.5656	1st Qu.: -0.7476
## Median : -0.1984	Median : 0.1172	Median : -0.3274	Median : -0.1502
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000


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## 3rd Qu.: 0.2702 3rd Qu.: 0.5711 3rd Qu.: 0.1736 3rd Qu.: 0.3612
## Max. : 2.9366 Max. : 1.8750 Max. : 3.3868 Max. : 3.3880
## Entropy_cooc.L.PET DAVE_cooc.L.PET DVAR_cooc.L.PET DENT_cooc.L.PET
## Min. :-1.0745 Min. :-1.5187 Min. :-1.4327 Min. :-1.1172
## 1st Qu.: -0.5674 1st Qu.: -0.7917 1st Qu.: -0.7535 1st Qu.: -0.6459
## Median : -0.5112 Median : -0.1931 Median : -0.2010 Median : -0.4587
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.7073 3rd Qu.: 0.2613 3rd Qu.: 0.3063 3rd Qu.: 0.5602
## Max. : 2.0941 Max. : 3.9795 Max. : 4.5360 Max. : 2.2650
## SAVE_cooc.L.PET SVAR_cooc.L.PET SENT_cooc.L.PET ASM_cooc.L.PET
## Min. :-1.8170 Min. :-1.9401 Min. :-1.0602 Min. :-2.3413
## 1st Qu.: -0.5659 1st Qu.: -0.7133 1st Qu.: -0.5543 1st Qu.: -0.4833
## Median : -0.3280 Median : -0.1350 Median : -0.4595 Median : 0.1113
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.1719 3rd Qu.: 0.3703 3rd Qu.: 0.7475 3rd Qu.: 0.5870
## Max. : 3.3867 Max. : 3.9295 Max. : 2.0924 Max. : 1.5898
## Contrast_cooc.L.PET Dissimilarity_cooc.L.PET Inv_diff_cooc.L.PET
## Min. :-1.3944 Min. :-1.5187 Min. :-1.3782
## 1st Qu.: -0.7826 1st Qu.: -0.7917 1st Qu.: -0.6753
## Median : -0.1960 Median : -0.1931 Median : -0.3702
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.3115 3rd Qu.: 0.2613 3rd Qu.: 0.4971
## Max. : 5.0946 Max. : 3.9795 Max. : 3.9843
## Inv_diff_norm_cooc.L.PET IDM_cooc.L.PET IDM_norm_cooc.L.PET
## Min. :-0.7941 Min. :-1.6038 Min. :-0.7477
## 1st Qu.: -0.6216 1st Qu.: -0.6426 1st Qu.: -0.5955
## Median : -0.5340 Median : -0.3162 Median : -0.5474
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 1.3523 3rd Qu.: 0.4831 3rd Qu.: 1.4669
## Max. : 2.1111 Max. : 4.5547 Max. : 1.9113
## Inv_var_cooc.L.PET Correlation_cooc.L.PET Autocorrelation_cooc.L.PET
## Min. :-1.5503 Min. :-2.0530 Min. :-1.7897
## 1st Qu.: -0.6248 1st Qu.: -0.5957 1st Qu.: -0.5697
## Median : -0.2984 Median : -0.2707 Median : -0.2234
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.5020 3rd Qu.: 0.5649 3rd Qu.: 0.3314
## Max. : 4.4029 Max. : 3.2432 Max. : 4.3290
## Tendency_cooc.L.PET Shade_cooc.L.PET Prominence_cooc.L.PET IC1_.L.PET
## Min. :-1.9401 Min. :-2.5311 Min. :-1.6096 Min. :-4.3900
## 1st Qu.: -0.7133 1st Qu.: -0.7290 1st Qu.: -0.7749 1st Qu.: -0.4323
## Median : -0.1350 Median : -0.2164 Median : -0.1665 Median : 0.1972
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.3703 3rd Qu.: 0.4457 3rd Qu.: 0.4638 3rd Qu.: 0.7461
## Max. : 3.9295 Max. : 3.4552 Max. : 4.7110 Max. : 1.5577
## IC2_.L.PET Coarseness_vdif_.L.PET Contrast_vdif_.L.PET
## Min. :-1.3125 Min. :-2.19089 Min. :-0.62417
## 1st Qu.: -0.6877 1st Qu.: -0.58292 1st Qu.: -0.45572
## Median : -0.3269 Median : 0.09101 Median : -0.22491
## Mean : 0.0000 Mean : 0.00000 Mean : 0.00000
## 3rd Qu.: 0.1265 3rd Qu.: 0.56210 3rd Qu.: 0.02051
## Max. : 2.8100 Max. : 3.70237 Max. : 8.76892
## Busyness_vdif_.L.PET Complexity_vdif_.L.PET Strength_vdif_.L.PET
## Min. :-0.9015 Min. :-1.2644 Min. :-0.8182
## 1st Qu.: -0.5980 1st Qu.: -0.7164 1st Qu.: -0.6788

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## Median :-0.3190	Median :-0.2554	Median :-0.3579	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.1867	3rd Qu.: 0.2340	3rd Qu.: 0.3429	
## Max. : 6.6543	Max. : 5.0903	Max. : 5.5183	
## SRE_align.L.PET	LRE_align.L.PET	GLNU_align.L.PET	RLNU_align.L.PET
## Min. :-0.8310	Min. :-0.7771	Min. :-0.6911	Min. :-0.7305
## 1st Qu.: -0.5835	1st Qu.: -0.6287	1st Qu.: -0.5835	1st Qu.: -0.5912
## Median :-0.5429	Median :-0.5633	Median :-0.3710	Median :-0.3704
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.5509	3rd Qu.: 1.4519	3rd Qu.: 0.2985	3rd Qu.: 0.2121
## Max. : 1.8088	Max. : 2.1577	Max. : 6.5043	Max. : 7.4324
## RP_align.L.PET	LGRE_align.L.PET	HGRE_align.L.PET	LGSRE_align.L.PET
## Min. :-0.7933	Min. :-1.7593	Min. :-1.7899	Min. :-1.7791
## 1st Qu.: -0.5897	1st Qu.: -0.6273	1st Qu.: -0.5532	1st Qu.: -0.6347
## Median :-0.5401	Median :-0.1805	Median :-0.2588	Median :-0.1576
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.5347	3rd Qu.: 0.4789	3rd Qu.: 0.3678	3rd Qu.: 0.5035
## Max. : 1.8283	Max. : 4.7561	Max. : 3.9761	Max. : 4.6553
## HGSRE_align.L.PET	LGHRE_align.L.PET	HGLRE_align.L.PET	GLNU_norm_align.L.PET
## Min. :-1.7826	Min. :-1.6709	Min. :-1.8146	Min. :-2.01031
## 1st Qu.: -0.5598	1st Qu.: -0.6111	1st Qu.: -0.5634	1st Qu.: -0.37038
## Median :-0.2781	Median :-0.2078	Median :-0.2117	Median :-0.09112
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: 0.3506	3rd Qu.: 0.4492	3rd Qu.: 0.3849	3rd Qu.: 0.40169
## Max. : 3.9653	Max. : 5.1552	Max. : 3.9930	Max. : 3.95815
## RLNU_norm_align.L.PET	GLVAR_align.L.PET	RLVAR_align.L.PET	Entropy_align.L.PET
## Min. :-0.7729	Min. :-1.8808	Min. :-2.1546	Min. :-1.0695
## 1st Qu.: -0.6031	1st Qu.: -0.7164	1st Qu.: -0.4296	1st Qu.: -0.5786
## Median :-0.5322	Median :-0.1558	Median :-0.1405	Median :-0.5251
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.4250	3rd Qu.: 0.3734	3rd Qu.: 0.4813	3rd Qu.: 0.7270
## Max. : 1.8933	Max. : 3.3364	Max. : 3.4224	Max. : 2.0307
## SZSE.L.PET	LZSE.L.PET	LGLZE.L.PET	HGLZE.L.PET
## Min. :-2.2713	Min. :-0.9047	Min. :-1.7850	Min. :-1.8049
## 1st Qu.: -0.5709	1st Qu.: -0.6106	1st Qu.: -0.6137	1st Qu.: -0.5579
## Median :-0.4887	Median :-0.4838	Median :-0.1840	Median :-0.2683
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.3993	3rd Qu.: 0.7175	3rd Qu.: 0.5007	3rd Qu.: 0.3570
## Max. : 1.8445	Max. : 4.8194	Max. : 4.7727	Max. : 3.7380
## SZLGE.L.PET	SZHGE.L.PET	LZLGE.L.PET	LZHGE.L.PET
## Min. :-1.9920	Min. :-1.7536	Min. :-1.4035	Min. :-1.5923
## 1st Qu.: -0.6213	1st Qu.: -0.5513	1st Qu.: -0.6129	1st Qu.: -0.5958
## Median :-0.1637	Median :-0.2719	Median :-0.2433	Median :-0.2804
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.5831	3rd Qu.: 0.3612	3rd Qu.: 0.3249	3rd Qu.: 0.2929
## Max. : 4.3225	Max. : 3.7642	Max. : 6.4375	Max. : 4.1325
## GLNU_area.L.PET	ZSNU.L.PET	ZSP.L.PET	GLNU_norm.L.PET
## Min. :-0.6914	Min. :-0.7314	Min. :-1.7968	Min. :-2.01371
## 1st Qu.: -0.5796	1st Qu.: -0.5842	1st Qu.: -0.5892	1st Qu.: -0.36931
## Median :-0.3735	Median :-0.3565	Median :-0.4930	Median :-0.07108
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: 0.3189	3rd Qu.: 0.1320	3rd Qu.: 1.1986	3rd Qu.: 0.40606
## Max. : 6.7070	Max. : 7.4588	Max. : 1.9416	Max. : 3.87814
## ZSNU_norm.L.PET	GLVAR_area.L.PET	ZSVAR.L.PET	Entropy_area.L.PET

## Min. : -0.9004	Min. : -1.8796	Min. : -1.0498	Min. : -1.0506
## 1st Qu.: -0.6398	1st Qu.: -0.7025	1st Qu.: -0.5880	1st Qu.: -0.5791
## Median : -0.4933	Median : -0.1695	Median : -0.3215	Median : -0.5115
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.0332	3rd Qu.: 0.3718	3rd Qu.: 0.1266	3rd Qu.: 1.0068
## Max. : 2.0513	Max. : 3.2261	Max. : 5.2109	Max. : 2.0092
## Max_cooc.H.PET	Average_cooc.H.PET	Variance_cooc.H.PET	Entropy_cooc.H.PET
## Min. : -1.1988	Min. : -0.8105	Min. : -2.38574	Min. : -1.580753
## 1st Qu.: -0.5903	1st Qu.: -0.6985	1st Qu.: -0.61533	1st Qu.: -0.634054
## Median : -0.2918	Median : -0.5036	Median : -0.22579	Median : -0.217121
## Mean : 0.0000	Mean : 0.0000	Mean : 0.00000	Mean : 0.000000
## 3rd Qu.: 0.3327	3rd Qu.: 1.2098	3rd Qu.: -0.06314	3rd Qu.: 0.009014
## Max. : 5.6239	Max. : 2.3267	Max. : 2.40699	Max. : 2.432758
## DAVE_cooc.H.PET	DVAR_cooc.H.PET	DENT_cooc.H.PET	SAVE_cooc.H.PET
## Min. : -2.2715	Min. : -2.2424	Min. : -1.9708	Min. : -0.7658
## 1st Qu.: -0.6281	1st Qu.: -0.6424	1st Qu.: -0.7111	1st Qu.: -0.6657
## Median : -0.3166	Median : -0.2366	Median : -0.1393	Median : -0.5665
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.2732	3rd Qu.: 0.2944	3rd Qu.: 0.3360	3rd Qu.: 1.3226
## Max. : 2.9198	Max. : 3.0270	Max. : 3.1543	Max. : 2.4774
## SVAR_cooc.H.PET	SENT_cooc.H.PET	ASM_cooc.H.PET	Contrast_cooc.H.PET
## Min. : -2.4962	Min. : -1.7399	Min. : -1.3487	Min. : -2.0431
## 1st Qu.: -0.5488	1st Qu.: -0.7667	1st Qu.: -0.4947	1st Qu.: -0.6495
## Median : -0.2607	Median : -0.0498	Median : -0.2169	Median : -0.2124
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.1377	3rd Qu.: 0.3208	3rd Qu.: 0.3106	3rd Qu.: 0.3562
## Max. : 2.7932	Max. : 2.7141	Max. : 7.3847	Max. : 3.5180
## Dissimilarity_cooc.H.PET	Inv_diff_cooc.H.PET	Inv_diff_norm_cooc.H.PET	
## Min. : -2.2715	Min. : -1.3295	Min. : -0.8346	
## 1st Qu.: -0.6281	1st Qu.: -0.7485	1st Qu.: -0.6168	
## Median : -0.3166	Median : -0.2692	Median : -0.5386	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.2732	3rd Qu.: 0.5024	3rd Qu.: 1.3838	
## Max. : 2.9198	Max. : 4.3984	Max. : 2.0111	
## IDM_cooc.H.PET	IDM_norm_cooc.H.PET	Inv_var_cooc_.H.PET	
## Min. : -1.3223	Min. : -0.7823	Min. : -2.36605	
## 1st Qu.: -0.7621	1st Qu.: -0.5924	1st Qu.: -0.49549	
## Median : -0.2472	Median : -0.5455	Median : 0.02372	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.00000	
## 3rd Qu.: 0.4259	3rd Qu.: 1.4702	3rd Qu.: 0.51799	
## Max. : 4.5673	Max. : 1.8868	Max. : 2.80467	
## Correlation_cooc.H.PET	Autocorrelation_cooc.H.PET	Tendency_cooc.H.PET	
## Min. : -1.9872	Min. : -0.9010	Min. : -2.3578	
## 1st Qu.: -0.5949	1st Qu.: -0.7473	1st Qu.: -0.5740	
## Median : -0.2552	Median : -0.4396	Median : -0.2217	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.4751	3rd Qu.: 0.9161	3rd Qu.: 0.1629	
## Max. : 3.4144	Max. : 2.7356	Max. : 2.6966	
## Shade_cooc.H.PET	Prominence_cooc.H.PET	IC1_d.H.PET	IC2_d.H.PET
## Min. : -3.52117	Min. : -1.80967	Min. : -3.7681	Min. : -1.4586
## 1st Qu.: -0.49100	1st Qu.: -0.72248	1st Qu.: -0.5716	1st Qu.: -0.6520
## Median : 0.04694	Median : -0.06048	Median : 0.2356	Median : -0.3001
## Mean : 0.00000	Mean : 0.00000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.61650	3rd Qu.: 0.38037	3rd Qu.: 0.7171	3rd Qu.: 0.4610

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## Max. : 2.25176 Max. : 2.98834 Max. : 1.5960 Max. : 3.2512
## Coarseness_vdif.H.PET Contrast_vdif.H.PET Busyness_vdif.H.PET
## Min. : -2.3467 Min. : -0.7552 Min. : -0.3915
## 1st Qu.: -0.5062 1st Qu.: -0.5001 1st Qu.: -0.3665
## Median : 0.1375 Median : -0.3378 Median : -0.3347
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.5970 3rd Qu.: 0.1423 3rd Qu.: -0.2468
## Max. : 1.8301 Max. : 6.6160 Max. : 6.4429
## Complexity_vdif.H.PET Strength_vdif.H.PET SRE_align.H.PET LRE_align.H.PET
## Min. : -1.5450 Min. : -0.255369 Min. : -1.4539 Min. : -0.9776
## 1st Qu.: -0.5707 1st Qu.: -0.228103 1st Qu.: -0.6077 1st Qu.: -0.7704
## Median : -0.1093 Median : -0.167165 Median : -0.4349 Median : -0.3787
## Mean : 0.0000 Mean : 0.000000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.3507 3rd Qu.: -0.000167 3rd Qu.: 0.8920 3rd Qu.: 0.4111
## Max. : 3.0416 Max. : 13.485338 Max. : 2.0686 Max. : 3.9848
## RLNU_align.H.PET RP_align.H.PET LGRE_align.H.PET HGRE_align.H.PET
## Min. : -0.6807 Min. : -1.5208 Min. : -2.3681 Min. : -0.8599
## 1st Qu.: -0.5850 1st Qu.: -0.5999 1st Qu.: -0.4890 1st Qu.: -0.7219
## Median : -0.3564 Median : -0.4076 Median : 0.1038 Median : -0.4500
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.1596 3rd Qu.: 0.8237 3rd Qu.: 0.5846 3rd Qu.: 1.0208
## Max. : 8.0403 Max. : 2.1558 Max. : 2.0491 Max. : 3.5783
## LGSRE_align.H.PET HGSRE_align.H.PET LGHRE_align.H.PET HGLRE_align.H.PET
## Min. : -2.3686 Min. : -1.0830 Min. : -2.36459 Min. : -0.8964
## 1st Qu.: -0.4876 1st Qu.: -0.6569 1st Qu.: -0.50531 1st Qu.: -0.7256
## Median : 0.1083 Median : -0.5275 Median : 0.09526 Median : -0.2641
## Mean : 0.0000 Mean : 0.0000 Mean : 0.00000 Mean : 0.0000
## 3rd Qu.: 0.5902 3rd Qu.: 1.1850 3rd Qu.: 0.58394 3rd Qu.: 0.3434
## Max. : 2.0338 Max. : 2.8829 Max. : 2.09944 Max. : 4.4495
## GLNU_norm_align.H.PET RLNU_norm_align.H.PET GLVAR_align.H.PET
## Min. : -1.3690 Min. : -1.7457 Min. : -2.30021
## 1st Qu.: -0.7088 1st Qu.: -0.6077 1st Qu.: -0.65667
## Median : -0.2977 Median : -0.3120 Median : -0.20754
## Mean : 0.0000 Mean : 0.0000 Mean : 0.00000
## 3rd Qu.: 0.4460 3rd Qu.: 0.2832 3rd Qu.: 0.03569
## Max. : 4.0729 Max. : 2.3962 Max. : 2.64762
## RLVAR_align.H.PET Entropy_align.H.PET SZSE.H.PET LZSE.H.PET
## Min. : -0.9927 Min. : -1.3773 Min. : -2.01033 Min. : -0.2197
## 1st Qu.: -0.6599 1st Qu.: -0.6408 1st Qu.: -0.61818 1st Qu.: -0.2148
## Median : -0.3255 Median : -0.3720 Median : -0.23766 Median : -0.2048
## Mean : 0.0000 Mean : 0.0000 Mean : 0.00000 Mean : 0.0000
## 3rd Qu.: 0.3407 3rd Qu.: 0.2830 3rd Qu.: 0.02202 3rd Qu.: -0.1624
## Max. : 4.7189 Max. : 2.8563 Max. : 2.33769 Max. : 9.1121
## LGLZE.H.PET HGLZE.H.PET SZLGE.H.PET SZHGE.H.PET
## Min. : -2.3646 Min. : -1.1843 Min. : -2.3595 Min. : -1.9479
## 1st Qu.: -0.4844 1st Qu.: -0.7924 1st Qu.: -0.5077 1st Qu.: -0.5651
## Median : 0.1001 Median : -0.3822 Median : 0.1138 Median : -0.3540
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.5754 3rd Qu.: 0.6900 3rd Qu.: 0.5750 3rd Qu.: 0.3140
## Max. : 2.2097 Max. : 3.1106 Max. : 2.2017 Max. : 2.9780
## LZLGE.H.PET LZHGE.H.PET GLNU_area.H.PET ZSNU.H.PET
## Min. : -0.54529 Min. : -0.2440 Min. : -0.7448 Min. : -0.60734
## 1st Qu.: -0.27961 1st Qu.: -0.2395 1st Qu.: -0.5834 1st Qu.: -0.54030
## Median : -0.20354 Median : -0.2241 Median : -0.3505 Median : -0.37798

```

## Mean : 0.00000	Mean : 0.0000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: -0.04833	3rd Qu.: -0.1796	3rd Qu.: 0.3100	3rd Qu.: 0.07023
## Max. : 8.32302	Max. : 8.7283	Max. : 6.3626	Max. : 8.51176
## ZSP.H.PET	GLNU_norm.H.PET	ZSNU_norm.H.PET	GLVAR_area.H.PET
## Min. : -1.79277	Min. : -1.3840	Min. : -1.5075	Min. : -2.2073
## 1st Qu.: -0.66964	1st Qu.: -0.6997	1st Qu.: -0.7051	1st Qu.: -0.6524
## Median : -0.04715	Median : -0.2758	Median : -0.1138	Median : -0.1862
## Mean : 0.00000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.34632	3rd Qu.: 0.4626	3rd Qu.: 0.2882	3rd Qu.: 0.1152
## Max. : 2.65243	Max. : 4.1164	Max. : 2.6790	Max. : 2.7256
## ZSVAR_H.PET	Entropy_area.H.PET	Max_cooc.W.PET	Average_cooc.W.PET
## Min. : -0.2318	Min. : -1.2574	Min. : -1.6095	Min. : -1.4019
## 1st Qu.: -0.2286	1st Qu.: -0.6018	1st Qu.: -0.4558	1st Qu.: -0.8122
## Median : -0.2166	Median : -0.4339	Median : -0.1391	Median : -0.2448
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: -0.1786	3rd Qu.: 0.6244	3rd Qu.: 0.3108	3rd Qu.: 0.5870
## Max. : 9.0394	Max. : 2.4985	Max. : 7.1859	Max. : 3.8583
## Variance_cooc.W.PET	Entropy_cooc.W.PET	DAVE_cooc.W.PET	DVAR_cooc.W.PET
## Min. : -0.9724	Min. : -1.7194	Min. : -1.4328	Min. : -1.0019
## 1st Qu.: -0.7462	1st Qu.: -0.7078	1st Qu.: -0.7893	1st Qu.: -0.7729
## Median : -0.2752	Median : -0.2573	Median : -0.1621	Median : -0.3202
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.4203	3rd Qu.: 0.2226	3rd Qu.: 0.5930	3rd Qu.: 0.5429
## Max. : 4.3665	Max. : 2.6984	Max. : 3.2278	Max. : 3.7577
## DENT_cooc.W.PET	SAVE_cooc.W.PET	SVAR_cooc.W.PET	SENT_cooc.W.PET
## Min. : -1.5151	Min. : -1.4034	Min. : -0.9176	Min. : -1.6147
## 1st Qu.: -0.7070	1st Qu.: -0.8136	1st Qu.: -0.7077	1st Qu.: -0.7088
## Median : -0.2302	Median : -0.2408	Median : -0.2851	Median : -0.3249
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.1586	3rd Qu.: 0.5895	3rd Qu.: 0.3099	3rd Qu.: 0.2781
## Max. : 2.5901	Max. : 3.8567	Max. : 5.0280	Max. : 2.7969
## ASM_cooc.W.PET	Contrast_cooc.W.PET	Dissemblarity_cooc.W.PET	
## Min. : -1.99234	Min. : -1.0299	Min. : -1.4328	
## 1st Qu.: -0.48745	1st Qu.: -0.7928	1st Qu.: -0.7893	
## Median : 0.05841	Median : -0.3488	Median : -0.1621	
## Mean : 0.00000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.51597	3rd Qu.: 0.6780	3rd Qu.: 0.5930	
## Max. : 6.22137	Max. : 3.7078	Max. : 3.2278	
## Inv_diff_cooc.W.PET	Inv_diff_norm_cooc.W.PET	IDM_cooc.W.PET	
## Min. : -1.3099	Min. : -0.7856	Min. : -1.3363	
## 1st Qu.: -0.7837	1st Qu.: -0.6173	1st Qu.: -0.7773	
## Median : -0.2135	Median : -0.5389	Median : -0.1893	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.4930	3rd Qu.: 1.4149	3rd Qu.: 0.4888	
## Max. : 3.9426	Max. : 2.1031	Max. : 4.4456	
## IDM_norm_cooc.W.PET	Inv_var_cooc.W.PET	Correlation_cooc.W.PET	
## Min. : -0.7484	Min. : -1.4005	Min. : -2.0998	
## 1st Qu.: -0.5943	1st Qu.: -0.7615	1st Qu.: -0.5874	
## Median : -0.5463	Median : -0.2085	Median : -0.3015	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 1.5152	3rd Qu.: 0.4729	3rd Qu.: 0.5390	
## Max. : 1.9086	Max. : 4.0334	Max. : 3.2472	
## Autocorrelation_cooc.W.PET	Tendency_cooc.W.PET	Shade_cooc.W.PET	
## Min. : -0.9699	Min. : -0.9176	Min. : -0.642572	

## 1st Qu.:-0.7403	1st Qu.:-0.7077	1st Qu.:-0.368478	
## Median :-0.3359	Median :-0.2851	Median :-0.261575	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.000000	
## 3rd Qu.: 0.3654	3rd Qu.: 0.3099	3rd Qu.: 0.008015	
## Max. : 4.7041	Max. : 5.0280	Max. : 8.518947	
## Prominence_cooc.W.PET	IC1_d.W.PET	IC2_d.W.PET	
## Min. :-0.34028	Min. :-3.6791	Min. :-1.3917	
## 1st Qu.:-0.32894	1st Qu.:-0.5572	1st Qu.:-0.6843	
## Median :-0.25670	Median : 0.2495	Median :-0.3351	
## Mean : 0.00000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.:-0.06026	3rd Qu.: 0.7187	3rd Qu.: 0.4516	
## Max. : 8.89848	Max. : 1.7065	Max. : 3.0508	
## Coarseness_vdif.W.PET	Contrast_vdif.W.PET	Busyness_vdif.W.PET	
## Min. :-1.99411	Min. :-1.3073	Min. :-1.0270	
## 1st Qu.:-0.55094	1st Qu.:-0.7349	1st Qu.:-0.7725	
## Median : 0.01536	Median :-0.2393	Median :-0.3510	
## Mean : 0.00000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.47908	3rd Qu.: 0.4189	3rd Qu.: 0.4780	
## Max. : 4.85464	Max. : 4.2154	Max. : 4.3207	
## Complexity_vdif.W.PET	Strength_vdif.W.PET	SRE_align.W.PET	LRE_align.W.PET
## Min. :-0.6810	Min. :-0.6419	Min. :-1.0181	Min. :-0.9674
## 1st Qu.:-0.6183	1st Qu.:-0.5195	1st Qu.:-0.6101	1st Qu.:-0.7727
## Median :-0.3570	Median :-0.3637	Median :-0.5069	Median :-0.4586
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.1677	3rd Qu.: 0.1120	3rd Qu.: 1.2989	3rd Qu.: 0.9322
## Max. : 5.9579	Max. : 7.4677	Max. : 1.9071	Max. : 3.0236
## GLNU_align.W.PET	RLNU_align.W.PET	RP_align.W.PET	LGRE_align.W.PET
## Min. :-0.8453	Min. :-0.6972	Min. :-1.1501	Min. :-1.4375
## 1st Qu.:-0.6305	1st Qu.:-0.5773	1st Qu.:-0.6020	1st Qu.:-0.7212
## Median :-0.3096	Median :-0.3785	Median :-0.4886	Median :-0.2482
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.1883	3rd Qu.: 0.1319	3rd Qu.: 1.2365	3rd Qu.: 0.4473
## Max. : 4.7459	Max. : 7.7636	Max. : 1.9575	Max. : 3.6206
## HGRE_align.W.PET	LGSRE_align.W.PET	HGSRE_align.W.PET	LGHRE_align.W.PET
## Min. :-0.9727	Min. :-1.5082	Min. :-0.9636	Min. :-1.1145
## 1st Qu.:-0.7535	1st Qu.:-0.7319	1st Qu.:-0.7545	1st Qu.:-0.6670
## Median :-0.3449	Median :-0.2761	Median :-0.3382	Median :-0.3163
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.3870	3rd Qu.: 0.4968	3rd Qu.: 0.4022	3rd Qu.: 0.3804
## Max. : 4.7116	Max. : 3.4773	Max. : 4.6655	Max. : 5.6818
## HGLRE_align.W.PET	GLNU_norm_align.W.PET	RLNU_norm_align.W.PET	
## Min. :-1.0113	Min. :-1.5704	Min. :-1.3413	
## 1st Qu.:-0.7607	1st Qu.:-0.6563	1st Qu.:-0.6216	
## Median :-0.3458	Median :-0.2646	Median :-0.4249	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.3648	3rd Qu.: 0.4728	3rd Qu.: 0.7986	
## Max. : 4.8912	Max. : 4.4945	Max. : 2.1157	
## GLVAR_align.W.PET	RLVAR_align.W.PET	Entropy_align.W.PET	SZSE.W.PET
## Min. :-0.9778	Min. :-1.2760	Min. :-1.4547	Min. :-2.1793
## 1st Qu.:-0.7581	1st Qu.:-0.6434	1st Qu.:-0.6822	1st Qu.:-0.5764
## Median :-0.2991	Median :-0.2543	Median :-0.3384	Median :-0.3760
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.3685	3rd Qu.: 0.3579	3rd Qu.: 0.2730	3rd Qu.: 0.6341
## Max. : 4.2771	Max. : 4.5541	Max. : 2.7738	Max. : 2.0828

##	LZSE.W.PET	LGLZE.W.PET	HGLZE.W.PET	SZLGE.W.PET
##	Min. : -0.56525	Min. : -1.4829	Min. : -0.9676	Min. : -1.6516
##	1st Qu.: -0.49773	1st Qu.: -0.7088	1st Qu.: -0.7541	1st Qu.: -0.7065
##	Median : -0.33414	Median : -0.2589	Median : -0.3303	Median : -0.2553
##	Mean : 0.00000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
##	3rd Qu.: 0.03172	3rd Qu.: 0.5637	3rd Qu.: 0.4189	3rd Qu.: 0.6091
##	Max. : 6.23487	Max. : 3.5121	Max. : 4.5971	Max. : 3.8533
##	SZHGE.W.PET	LZLGE.W.PET	LZHGE.W.PET	GLNU_area.W.PET
##	Min. : -0.9315	Min. : -0.3661	Min. : -1.1058	Min. : -0.7987
##	1st Qu.: -0.7586	1st Qu.: -0.3267	1st Qu.: -0.7168	1st Qu.: -0.6149
##	Median : -0.3241	Median : -0.2797	Median : -0.2637	Median : -0.3290
##	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
##	3rd Qu.: 0.3935	3rd Qu.: -0.1011	3rd Qu.: 0.4898	3rd Qu.: 0.1175
##	Max. : 4.3673	Max. : 7.9493	Max. : 5.2512	Max. : 5.4500
##	ZSNU.W.PET	ZSP.W.PET	GLNU_norm.W.PET	ZSNU_norm.W.PET
##	Min. : -0.6430	Min. : -1.66591	Min. : -1.6056	Min. : -1.4766
##	1st Qu.: -0.5512	1st Qu.: -0.57871	1st Qu.: -0.6475	1st Qu.: -0.6368
##	Median : -0.3550	Median : -0.24376	Median : -0.2568	Median : -0.2391
##	Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.0000
##	3rd Qu.: 0.1365	3rd Qu.: 0.01851	3rd Qu.: 0.4843	3rd Qu.: 0.1228
##	Max. : 8.2345	Max. : 2.33471	Max. : 4.7909	Max. : 2.4009
##	GLVAR_area.W.PET	ZSVAR.W.PET	Entropy_area.W.PET	Min_hist.ADC
##	Min. : -0.9650	Min. : -0.45407	Min. : -1.2694	Min. : -0.8659
##	1st Qu.: -0.7526	1st Qu.: -0.41452	1st Qu.: -0.6122	1st Qu.: -0.8657
##	Median : -0.2987	Median : -0.32431	Median : -0.4336	Median : -0.3958
##	Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.0000
##	3rd Qu.: 0.3632	3rd Qu.: -0.09921	3rd Qu.: 0.4213	3rd Qu.: 0.6625
##	Max. : 4.3352	Max. : 6.96463	Max. : 2.6434	Max. : 3.4005
##	Max_hist.ADC	Mean_hist.ADC	Variance_hist.ADC	
##	Min. : -1.1458	Min. : -1.1633	Min. : -1.1378	
##	1st Qu.: -0.6395	1st Qu.: -0.6070	1st Qu.: -0.7342	
##	Median : -0.3444	Median : -0.3730	Median : -0.1756	
##	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
##	3rd Qu.: 0.2875	3rd Qu.: 0.3761	3rd Qu.: 0.2391	
##	Max. : 3.2565	Max. : 4.1608	Max. : 4.2445	
##	Standard_Deviation_hist.ADC	Skewness_hist.ADC	Kurtosis_hist.ADC	
##	Min. : -1.2692	Min. : -4.4869	Min. : -1.3821	
##	1st Qu.: -0.7569	1st Qu.: -0.5391	1st Qu.: -0.5941	
##	Median : -0.2092	Median : -0.0200	Median : -0.2456	
##	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
##	3rd Qu.: 0.3944	3rd Qu.: 0.5024	3rd Qu.: 0.2191	
##	Max. : 3.5929	Max. : 3.2363	Max. : 5.0090	
##	Energy_hist.ADC	Entropy_hist.ADC	AUC_hist.ADC	Volume.ADC
##	Min. : -2.2980	Min. : -1.2091	Min. : -0.9703	Min. : -1.0257
##	1st Qu.: -0.4853	1st Qu.: -0.5949	1st Qu.: -0.6408	1st Qu.: -0.7131
##	Median : 0.1128	Median : -0.4706	Median : -0.5148	Median : -0.3207
##	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
##	3rd Qu.: 0.5536	3rd Qu.: 0.3276	3rd Qu.: 0.7533	3rd Qu.: 0.4559
##	Max. : 1.9300	Max. : 2.4215	Max. : 2.4529	Max. : 5.2090
##	X3D_surface.ADC	ratio_3ds_vol.ADC	ratio_3ds_vol_norm.ADC	irregularity.ADC
##	Min. : -0.9942	Min. : -1.3129	Min. : -1.0356	Min. : -0.9512
##	1st Qu.: -0.6849	1st Qu.: -0.6406	1st Qu.: -0.6629	1st Qu.: -0.6557
##	Median : -0.3715	Median : -0.2853	Median : -0.5071	Median : -0.5135
##	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000

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## 3rd Qu.: 0.3084 3rd Qu.: 0.2258 3rd Qu.: 1.0377 3rd Qu.: 0.7975
## Max. : 4.4041 Max. : 4.2847 Max. : 3.3783 Max. : 2.8739
## Compactness_v1.ADC Compactness_v2.ADC Spherical_disproportion.ADC
## Min. : -2.36966 Min. : -1.8949 Min. : -1.0356
## 1st Qu.: -0.48498 1st Qu.: -0.6312 1st Qu.: -0.6629
## Median : -0.03812 Median : -0.2458 Median : -0.5071
## Mean : 0.00000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.39424 3rd Qu.: 0.3300 3rd Qu.: 1.0377
## Max. : 1.92604 Max. : 2.9393 Max. : 3.3783
## Sphericity.ADC Asphericity.ADC Center_of_mass.ADC Max_3D_diam.ADC
## Min. : -1.3956 Min. : -1.4420 Min. : -1.0193 Min. : -1.3856
## 1st Qu.: -0.6158 1st Qu.: -0.6518 1st Qu.: -0.6428 1st Qu.: -0.7000
## Median : -0.4383 Median : -0.3215 Median : -0.3676 Median : -0.2890
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.1583 3rd Qu.: 0.4512 3rd Qu.: 0.2729 3rd Qu.: 0.3907
## Max. : 2.3002 Max. : 4.9466 Max. : 5.0265 Max. : 3.6923
## Major_axis_length.ADC Minor_axis_length.ADC Least_axis_length.ADC
## Min. : -1.4031 Min. : -1.3722 Min. : -1.2557
## 1st Qu.: -0.6601 1st Qu.: -0.7267 1st Qu.: -0.6933
## Median : -0.2786 Median : -0.2491 Median : -0.2565
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.3723 3rd Qu.: 0.3804 3rd Qu.: 0.3998
## Max. : 3.9229 Max. : 3.4663 Max. : 4.0347
## Elongation.ADC Flatness.ADC Max_cooc.L.ADC Average_cooc.L.ADC
## Min. : -1.4264 Min. : -1.3266 Min. : -2.40536 Min. : -1.5647
## 1st Qu.: -0.6741 1st Qu.: -0.7412 1st Qu.: -0.49072 1st Qu.: -0.6815
## Median : -0.2632 Median : -0.2571 Median : 0.04561 Median : -0.3424
## Mean : 0.0000 Mean : 0.0000 Mean : 0.00000 Mean : 0.0000
## 3rd Qu.: 0.1331 3rd Qu.: 0.3973 3rd Qu.: 0.54594 3rd Qu.: 0.4455
## Max. : 2.7058 Max. : 3.2541 Max. : 2.13306 Max. : 3.6204
## Variance_cooc.L.ADC Entropy_cooc.L.ADC DAVE_cooc.L.ADC DVAR_cooc.L.ADC
## Min. : -1.2859 Min. : -0.9824 Min. : -1.2864 Min. : -1.1717
## 1st Qu.: -0.7621 1st Qu.: -0.6248 1st Qu.: -0.6974 1st Qu.: -0.6565
## Median : -0.1890 Median : -0.4987 Median : -0.2815 Median : -0.2047
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.3842 3rd Qu.: 1.1123 3rd Qu.: 0.2482 3rd Qu.: 0.3589
## Max. : 4.4226 Max. : 2.2194 Max. : 3.8017 Max. : 4.4068
## DENT_cooc.L.ADC SAVE_cooc.L.ADC SVAR_cooc.L.ADC SENT_cooc.L.ADC
## Min. : -0.9759 Min. : -1.5653 Min. : -1.2644 Min. : -1.9727
## 1st Qu.: -0.6384 1st Qu.: -0.6818 1st Qu.: -0.7216 1st Qu.: -0.6045
## Median : -0.4655 Median : -0.3427 Median : -0.3121 Median : -0.1270
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.9078 3rd Qu.: 0.4446 3rd Qu.: 0.4169 3rd Qu.: 0.1049
## Max. : 2.4613 Max. : 3.6211 Max. : 4.0559 Max. : 2.5018
## ASM_cooc.L.ADC Contrast_cooc.L.ADC Dissimilarity_cooc.L.ADC
## Min. : -2.3863 Min. : -1.1727 Min. : -1.2864
## 1st Qu.: -0.4982 1st Qu.: -0.6799 1st Qu.: -0.6974
## Median : 0.1118 Median : -0.2518 Median : -0.2815
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.5833 3rd Qu.: 0.3354 3rd Qu.: 0.2482
## Max. : 1.6927 Max. : 4.6750 Max. : 3.8017
## Inv_diff_cooc.L.ADC Inv_diff_norm_cooc.L.ADC IDM_cooc.L.ADC
## Min. : -1.3386 Min. : -0.7848 Min. : -1.5068
## 1st Qu.: -0.6851 1st Qu.: -0.6074 1st Qu.: -0.6849

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## Median :-0.3821      Median :-0.5390      Median :-0.3204
## Mean   : 0.0000      Mean   : 0.0000      Mean   : 0.0000
## 3rd Qu.: 0.4258      3rd Qu.: 1.4482      3rd Qu.: 0.4067
## Max.   : 3.0608      Max.   : 1.9217      Max.   : 3.4277
## IDM_norm_cooc.L.ADC Inv_var_cooc.L.ADC Correlation_cooc.L.ADC
## Min.   :-0.7347      Min.   :-1.5182      Min.   :-1.5857
## 1st Qu.: -0.5868      1st Qu.: -0.6747      1st Qu.: -0.5887
## Median :-0.5461      Median :-0.3082      Median :-0.2321
## Mean   : 0.0000      Mean   : 0.0000      Mean   : 0.0000
## 3rd Qu.: 1.5511      3rd Qu.: 0.3811      3rd Qu.: 0.2686
## Max.   : 1.8161      Max.   : 3.4062      Max.   : 3.1376
## Autocorrelation_.L.ADC Tendency_cooc.L.ADC Shade_.L.ADC
## Min.   :-1.4980      Min.   :-1.2644      Min.   :-3.0880
## 1st Qu.: -0.6548      1st Qu.: -0.7216      1st Qu.: -0.4341
## Median :-0.2485      Median :-0.3121      Median :-0.1871
## Mean   : 0.0000      Mean   : 0.0000      Mean   : 0.0000
## 3rd Qu.: 0.3473      3rd Qu.: 0.4169      3rd Qu.: 0.2111
## Max.   : 4.7450      Max.   : 4.0559      Max.   : 4.3795
## Prominence_cooc.L.ADC IC1_.L.ADC IC2_.L.ADC
## Min.   :-0.9301      Min.   :-5.1869      Min.   :-1.3787
## 1st Qu.: -0.6482      1st Qu.: -0.4473      1st Qu.: -0.6500
## Median :-0.3005      Median : 0.2340      Median :-0.3969
## Mean   : 0.0000      Mean   : 0.0000      Mean   : 0.0000
## 3rd Qu.: 0.3376      3rd Qu.: 0.6165      3rd Qu.: 0.2411
## Max.   : 4.6896      Max.   : 1.5551      Max.   : 3.0658
## Coarseness_vdif_.L.ADC Contrast_vdif_.L.ADC Busyness_vdif_.L.ADC
## Min.   :-2.02453      Min.   :-0.9205      Min.   :-0.7744
## 1st Qu.: -0.47654      1st Qu.: -0.5846      1st Qu.: -0.5677
## Median : 0.01276      Median :-0.3017      Median :-0.3409
## Mean   : 0.00000      Mean   : 0.0000      Mean   : 0.0000
## 3rd Qu.: 0.40344      3rd Qu.: 0.1717      3rd Qu.: 0.2597
## Max.   : 4.15362      Max.   : 5.6466      Max.   : 6.7651
## Complexity_vdif_.L.ADC Strength_vdif_.L.ADC SRE_align.L.ADC
## Min.   :-1.4237      Min.   :-0.65013      Min.   :-0.7719
## 1st Qu.: -0.6752      1st Qu.: -0.48041      1st Qu.: -0.5832
## Median :-0.1945      Median :-0.29159      Median :-0.5443
## Mean   : 0.0000      Mean   : 0.00000      Mean   : 0.0000
## 3rd Qu.: 0.2832      3rd Qu.: -0.05036      3rd Qu.: 1.4803
## Max.   : 3.2894      Max.   : 6.57379      Max.   : 1.8545
## LRE_align.L.ADC GLNU_align.L.ADC RLNU_align.L.ADC RP_align.L.ADC
## Min.   :-0.8114      Min.   :-0.6574      Min.   :-0.7015      Min.   :-0.7982
## 1st Qu.: -0.6500      1st Qu.: -0.5599      1st Qu.: -0.5546      1st Qu.: -0.5910
## Median :-0.5388      Median :-0.3888      Median :-0.3845      Median :-0.5391
## Mean   : 0.0000      Mean   : 0.0000      Mean   : 0.0000      Mean   : 0.0000
## 3rd Qu.: 1.2822      3rd Qu.: 0.2165      3rd Qu.: 0.1460      3rd Qu.: 1.4307
## Max.   : 2.3579      Max.   : 6.8086      Max.   : 6.4904      Max.   : 1.8896
## LGRE_align.L.ADC HGRE_align.L.ADC LGSRE_align.L.ADC HGSRE_align.L.ADC
## Min.   :-2.2148      Min.   :-1.5774      Min.   :-2.2243      Min.   :-1.5947
## 1st Qu.: -0.5485      1st Qu.: -0.6643      1st Qu.: -0.5445      1st Qu.: -0.6838
## Median : 0.1458      Median :-0.2731      Median : 0.1536      Median :-0.2903
## Mean   : 0.0000      Mean   : 0.0000      Mean   : 0.0000      Mean   : 0.0000
## 3rd Qu.: 0.5269      3rd Qu.: 0.3600      3rd Qu.: 0.5266      3rd Qu.: 0.3842
## Max.   : 3.1699      Max.   : 4.5613      Max.   : 3.0478      Max.   : 4.3891
## LGHRE_align.L.ADC HGLRE_align.L.ADC GLNU_norm_align.L.ADC

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## Min. : -2.1734	Min. : -1.4860	Min. : -2.11008	
## 1st Qu.: -0.5655	1st Qu.: -0.7008	1st Qu.: -0.48538	
## Median : 0.1303	Median : -0.1989	Median : -0.06251	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.00000	
## 3rd Qu.: 0.5017	3rd Qu.: 0.2984	3rd Qu.: 0.37502	
## Max. : 3.8145	Max. : 5.2592	Max. : 2.81475	
## RLNU_norm_align.L.ADC	GLVAR_align.L.ADC	RLVAR_align.L.ADC	Entropy_align.L.ADC
## Min. : -0.8664	Min. : -1.2324	Min. : -1.8814	Min. : -0.7768
## 1st Qu.: -0.6053	1st Qu.: -0.7363	1st Qu.: -0.5808	1st Qu.: -0.6281
## Median : -0.5184	Median : -0.2167	Median : -0.1993	Median : -0.5369
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.2976	3rd Qu.: 0.3836	3rd Qu.: 0.4437	3rd Qu.: 1.3840
## Max. : 2.0169	Max. : 4.7240	Max. : 3.8452	Max. : 2.1004
## SZSE.L.ADC	LZSE.L.ADC	LGLZE.L.ADC	HGLZE.L.ADC
## Min. : -0.8496	Min. : -0.9893	Min. : -2.2245	Min. : -1.5684
## 1st Qu.: -0.6186	1st Qu.: -0.6976	1st Qu.: -0.5451	1st Qu.: -0.6815
## Median : -0.5273	Median : -0.4658	Median : 0.1492	Median : -0.2709
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.3310	3rd Qu.: 0.5987	3rd Qu.: 0.5309	3rd Qu.: 0.3807
## Max. : 2.0528	Max. : 3.7629	Max. : 2.8769	Max. : 4.4810
## SZLGE.L.ADC	SZHGE.L.ADC	LZLGE.L.ADC	LZHGE.L.ADC
## Min. : -2.2426	Min. : -1.6111	Min. : -1.99415	Min. : -1.0980
## 1st Qu.: -0.5407	1st Qu.: -0.6719	1st Qu.: -0.57935	1st Qu.: -0.6538
## Median : 0.1133	Median : -0.2769	Median : 0.07479	Median : -0.2980
## Mean : 0.0000	Mean : 0.0000	Mean : 0.00000	Mean : 0.0000
## 3rd Qu.: 0.5203	3rd Qu.: 0.3855	3rd Qu.: 0.43939	3rd Qu.: 0.3151
## Max. : 2.5683	Max. : 4.0198	Max. : 5.02589	Max. : 6.1772
## GLNU_area.L.ADC	ZSNU.L.ADC	ZSP.L.ADC	GLNU_norm.L.ADC
## Min. : -0.6701	Min. : -0.7023	Min. : -0.9792	Min. : -2.11873
## 1st Qu.: -0.5637	1st Qu.: -0.5485	1st Qu.: -0.6124	1st Qu.: -0.46511
## Median : -0.3845	Median : -0.3419	Median : -0.4893	Median : -0.03802
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: 0.1403	3rd Qu.: 0.1582	3rd Qu.: 1.0724	3rd Qu.: 0.37453
## Max. : 6.0648	Max. : 6.7810	Max. : 2.2292	Max. : 2.60581
## ZSNU_norm.L.ADC	GLVAR_area.L.ADC	ZSVAR.L.ADC	Entropy_area.L.ADC
## Min. : -1.0136	Min. : -1.2168	Min. : -0.8481	Min. : -0.7653
## 1st Qu.: -0.6068	1st Qu.: -0.7329	1st Qu.: -0.5710	1st Qu.: -0.6170
## Median : -0.4718	Median : -0.2247	Median : -0.3763	Median : -0.5393
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.9821	3rd Qu.: 0.3653	3rd Qu.: 0.1338	3rd Qu.: 1.3657
## Max. : 2.4730	Max. : 4.8084	Max. : 4.4745	Max. : 2.0718
## Max_cooc.H.ADC	Average_cooc.H.ADC	Variance_cooc.H.ADC	Entropy_cooc.H.ADC
## Min. : -2.3371	Min. : -0.7948	Min. : -0.7235	Min. : -0.8847
## 1st Qu.: -0.4994	1st Qu.: -0.6111	1st Qu.: -0.6025	1st Qu.: -0.5826
## Median : 0.1186	Median : -0.5369	Median : -0.5508	Median : -0.5426
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.5854	3rd Qu.: 1.2501	3rd Qu.: 1.4743	3rd Qu.: 1.1187
## Max. : 1.7159	Max. : 2.1569	Max. : 1.9213	Max. : 1.8848
## DAVE_cooc.H.ADC	DVAR_cooc.H.ADC	DENT_cooc.H.ADC	SAVE_cooc.H.ADC
## Min. : -1.1715	Min. : -1.1938	Min. : -0.7651	Min. : -0.7953
## 1st Qu.: -0.6742	1st Qu.: -0.6459	1st Qu.: -0.6067	1st Qu.: -0.6114
## Median : -0.4508	Median : -0.3725	Median : -0.5447	Median : -0.5374
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.3058	3rd Qu.: 0.1048	3rd Qu.: 1.3235	3rd Qu.: 1.2503

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## Max. : 2.6408 Max. : 2.7511 Max. : 1.9569 Max. : 2.1563
## SVAR_cooc.H.ADC SENT_cooc.H.ADC ASM_cooc.H.ADC Contrast_cooc.H.ADC
## Min. : -0.9707 Min. : -0.9294 Min. : -2.3505 Min. : -1.2775
## 1st Qu.: -0.6441 1st Qu.: -0.6185 1st Qu.: -0.4601 1st Qu.: -0.6448
## Median : -0.4055 Median : -0.5117 Median : 0.1116 Median : -0.3296
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.8015 3rd Qu.: 1.0046 3rd Qu.: 0.6028 3rd Qu.: 0.2470
## Max. : 2.4109 Max. : 2.2145 Max. : 1.4704 Max. : 2.9382
## Dissimilarity_cooc.H.ADC Inv_diff_cooc.H.ADC Inv_diff_norm_cooc.H.ADC
## Min. : -1.1715 Min. : -1.5080 Min. : -0.8136
## 1st Qu.: -0.6742 1st Qu.: -0.5884 1st Qu.: -0.5940
## Median : -0.4508 Median : -0.3060 Median : -0.5295
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.3058 3rd Qu.: 0.3670 3rd Qu.: 1.4111
## Max. : 2.6408 Max. : 2.9514 Max. : 1.9758
## IDM_cooc.H.ADC IDM_norm_cooc.H.ADC Inv_var_cooc.H.ADC
## Min. : -1.8238 Min. : -0.7770 Min. : -1.8455
## 1st Qu.: -0.5396 1st Qu.: -0.5848 1st Qu.: -0.4991
## Median : -0.1772 Median : -0.5391 Median : -0.1806
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.5376 3rd Qu.: 1.4745 3rd Qu.: 0.4257
## Max. : 3.1890 Max. : 1.8842 Max. : 3.1448
## Correlation_cooc.H.ADC Autocorrelation_cooc.H.ADC Tendency_cooc.H.ADC
## Min. : -1.5337 Min. : -1.0271 Min. : -0.9707
## 1st Qu.: -0.5809 1st Qu.: -0.6158 1st Qu.: -0.6441
## Median : -0.2354 Median : -0.5417 Median : -0.4055
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.2656 3rd Qu.: 0.7441 3rd Qu.: 0.8015
## Max. : 3.2010 Max. : 2.2641 Max. : 2.4109
## Shade_cooc.H.ADC Prominence_cooc.H.ADC IC1_d.H.ADC IC2_d.H.ADC
## Min. : -2.77052 Min. : -1.1193 Min. : -6.0367 Min. : -1.2413
## 1st Qu.: -0.53284 1st Qu.: -0.6229 1st Qu.: -0.2691 1st Qu.: -0.6695
## Median : 0.02229 Median : -0.3702 Median : 0.2777 Median : -0.4280
## Mean : 0.00000 Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.52112 3rd Qu.: 0.3676 3rd Qu.: 0.5805 3rd Qu.: 0.3188
## Max. : 3.79390 Max. : 2.6578 Max. : 1.1009 Max. : 3.0638
## Coarseness_vdif.H.ADC Contrast_vdif.H.ADC Busyness_vdif.H.ADC
## Min. : -2.03513 Min. : -1.2124 Min. : -0.6917
## 1st Qu.: -0.48736 1st Qu.: -0.6760 1st Qu.: -0.5554
## Median : 0.02405 Median : -0.4152 Median : -0.3450
## Mean : 0.00000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.43289 3rd Qu.: 0.1278 3rd Qu.: 0.1152
## Max. : 4.13594 Max. : 2.7803 Max. : 6.4584
## Complexity_vdif.H.ADC Strength_vdif.H.ADC SRE_align.H.ADC LRE_align.H.ADC
## Min. : -1.2507 Min. : -0.5432 Min. : -0.7222 Min. : -0.7514
## 1st Qu.: -0.6866 1st Qu.: -0.4499 1st Qu.: -0.5795 1st Qu.: -0.6115
## Median : -0.4396 Median : -0.3040 Median : -0.5513 Median : -0.5418
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.1617 3rd Qu.: -0.1236 3rd Qu.: 1.5719 3rd Qu.: 1.4942
## Max. : 2.8308 Max. : 7.0284 Max. : 1.7996 Max. : 2.0278
## GLNU_align.H.ADC RLNU_align.H.ADC RP_align.H.ADC LGRE_align.H.ADC
## Min. : -0.6935 Min. : -0.7005 Min. : -0.7282 Min. : -2.15229
## 1st Qu.: -0.5587 1st Qu.: -0.5612 1st Qu.: -0.5806 1st Qu.: -0.45456
## Median : -0.3999 Median : -0.3997 Median : -0.5496 Median : -0.05554

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## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: 0.1402	3rd Qu.: 0.1532	3rd Qu.: 1.5612	3rd Qu.: 0.42792
## Max. : 6.4171	Max. : 6.3321	Max. : 1.8209	Max. : 1.90419
## HGRE_align.H.ADC	LGSRE_align.H.ADC	HGSRE_align.H.ADC	LGHRE_align.H.ADC
## Min. : -0.6158	Min. : -2.21358	Min. : -0.6616	Min. : -2.16369
## 1st Qu.: -0.5856	1st Qu.: -0.46834	1st Qu.: -0.5905	1st Qu.: -0.43595
## Median : -0.5793	Median : -0.03469	Median : -0.5732	Median : -0.08695
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: 1.6403	3rd Qu.: 0.40877	3rd Qu.: 1.5502	3rd Qu.: 0.37072
## Max. : 1.7953	Max. : 1.95168	Max. : 1.8648	Max. : 2.34515
## HGLRE_align.H.ADC	GLNU_norm_align.H.ADC	RLNU_norm_align.H.ADC	
## Min. : -0.6756	Min. : -2.22103	Min. : -0.7467	
## 1st Qu.: -0.6034	1st Qu.: -0.54265	1st Qu.: -0.5861	
## Median : -0.5529	Median : -0.03044	Median : -0.5508	
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	
## 3rd Qu.: 1.4993	3rd Qu.: 0.50950	3rd Qu.: 1.5274	
## Max. : 2.1245	Max. : 1.70856	Max. : 1.8932	
## GLVAR_align.H.ADC	RLVAR_align.H.ADC	Entropy_align.H.ADC	SZSE.H.ADC
## Min. : -0.6228	Min. : -2.23664	Min. : -0.6485	Min. : -0.7613
## 1st Qu.: -0.5864	1st Qu.: -0.45655	1st Qu.: -0.5877	1st Qu.: -0.5921
## Median : -0.5747	Median : 0.03709	Median : -0.5689	Median : -0.5464
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.6294	3rd Qu.: 0.48787	3rd Qu.: 1.5623	3rd Qu.: 1.4964
## Max. : 1.7875	Max. : 3.26888	Max. : 1.8011	Max. : 1.9530
## LZSE.H.ADC	LGLZE.H.ADC	HGLZE.H.ADC	SZLGE.H.ADC
## Min. : -0.9658	Min. : -2.22947	Min. : -0.6777	Min. : -2.274047
## 1st Qu.: -0.6763	1st Qu.: -0.47148	1st Qu.: -0.5910	1st Qu.: -0.432630
## Median : -0.4997	Median : -0.01215	Median : -0.5690	Median : 0.006384
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.000000
## 3rd Qu.: 0.8006	3rd Qu.: 0.44354	3rd Qu.: 1.5427	3rd Qu.: 0.457299
## Max. : 2.7486	Max. : 2.02997	Max. : 1.8487	Max. : 2.138033
## SZHGE.H.ADC	LZLGE.H.ADC	LZHGE.H.ADC	GLNU_area.H.ADC
## Min. : -0.7407	Min. : -1.9143	Min. : -0.9615	Min. : -0.6950
## 1st Qu.: -0.5947	1st Qu.: -0.4764	1st Qu.: -0.6552	1st Qu.: -0.5584
## Median : -0.5574	Median : -0.1523	Median : -0.5438	Median : -0.3958
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.3859	3rd Qu.: 0.4952	3rd Qu.: 0.7570	3rd Qu.: 0.1541
## Max. : 2.0669	Max. : 4.3386	Max. : 3.9017	Max. : 6.4362
## ZSNU.H.ADC	ZSP.H.ADC	GLNU_norm.H.ADC	ZSNU_norm.H.ADC
## Min. : -0.7054	Min. : -0.8087	Min. : -2.22083	Min. : -0.8353
## 1st Qu.: -0.5636	1st Qu.: -0.6050	1st Qu.: -0.54112	1st Qu.: -0.6110
## Median : -0.3916	Median : -0.5389	Median : -0.03152	Median : -0.5388
## Mean : 0.0000	Mean : 0.0000	Mean : 0.00000	Mean : 0.0000
## 3rd Qu.: 0.1526	3rd Qu.: 1.4343	3rd Qu.: 0.50815	3rd Qu.: 1.2790
## Max. : 6.3748	Max. : 2.0467	Max. : 1.72002	Max. : 2.2862
## GLVAR_area.H.ADC	ZSVAR.H.ADC	Entropy_area.H.ADC	Max_cooc.W.ADC
## Min. : -0.7003	Min. : -1.3982	Min. : -0.7062	Min. : -2.3379
## 1st Qu.: -0.5925	1st Qu.: -0.6448	1st Qu.: -0.5938	1st Qu.: -0.4827
## Median : -0.5589	Median : -0.2461	Median : -0.5557	Median : 0.1420
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.4922	3rd Qu.: 0.3541	3rd Qu.: 1.4400	3rd Qu.: 0.5983
## Max. : 1.8856	Max. : 4.8315	Max. : 1.8920	Max. : 1.5572
## Average_cooc.W.ADC	Variance_cooc.W.ADC	DAVE_cooc.W.ADC	DVAR_cooc.W.ADC
## Min. : -1.4890	Min. : -1.1255	Min. : -1.4215	Min. : -1.1708

## 1st Qu.:-0.6443	1st Qu.:-0.6947	1st Qu.:-0.6477	1st Qu.:-0.6932
## Median :-0.1974	Median :-0.1999	Median :-0.3082	Median :-0.2843
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.2788	3rd Qu.: 0.2675	3rd Qu.: 0.4060	3rd Qu.: 0.3968
## Max. : 3.1582	Max. : 4.3063	Max. : 3.6687	Max. : 4.2974
## DENT_cooc.W.ADC	SAVE_cooc.W.ADC	SVAR_cooc.W.ADC	SENT_cooc.W.ADC
## Min. :-0.9201	Min. :-1.5115	Min. :-1.0500	Min. :-1.9175
## 1st Qu.:-0.6168	1st Qu.:-0.6428	1st Qu.:-0.7069	1st Qu.:-0.5955
## Median :-0.4971	Median :-0.1899	Median :-0.2297	Median :-0.2012
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.0249	3rd Qu.: 0.3385	3rd Qu.: 0.2119	3rd Qu.: 0.2247
## Max. : 2.2735	Max. : 3.2681	Max. : 4.4179	Max. : 2.7670
## ASM_cooc.W.ADC	Contrast_cooc.W.ADC	Dissemblarity_cooc.W.ADC	
## Min. :-2.3485	Min. :-1.2599	Min. :-1.4215	
## 1st Qu.:-0.4625	1st Qu.:-0.6538	1st Qu.:-0.6477	
## Median : 0.1160	Median :-0.2904	Median :-0.3082	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.6007	3rd Qu.: 0.4014	3rd Qu.: 0.4060	
## Max. : 1.4834	Max. : 4.4526	Max. : 3.6687	
## Inv_diff_cooc.W.ADC	Inv_diff_norm_cooc.W.ADC	IDM_cooc.W.ADC	
## Min. :-2.4673	Min. :-0.7847	Min. :-1.8818	
## 1st Qu.:-0.5374	1st Qu.:-0.6079	1st Qu.:-0.5428	
## Median :-0.2640	Median :-0.5392	Median :-0.1774	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.4018	3rd Qu.: 1.4483	3rd Qu.: 0.4203	
## Max. : 3.4195	Max. : 1.9241	Max. : 3.6069	
## IDM_norm_cooc.W.ADC	Inv_var_cooc.W.ADC	Correlation_cooc.W.ADC	
## Min. :-0.7349	Min. :-1.8864	Min. :-1.5829	
## 1st Qu.:-0.5875	1st Qu.:-0.5355	1st Qu.:-0.5917	
## Median :-0.5463	Median :-0.1854	Median :-0.2323	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 1.5506	3rd Qu.: 0.4358	3rd Qu.: 0.2677	
## Max. : 1.8175	Max. : 3.6532	Max. : 3.1362	
## Autocorrelation_cooc.W.ADC	Tendency_cooc.W.ADC	Shade_cooc.W.ADC	
## Min. :-1.2943	Min. :-1.0500	Min. :-2.2695	
## 1st Qu.:-0.6547	1st Qu.:-0.7069	1st Qu.:-0.4006	
## Median :-0.2595	Median :-0.2297	Median :-0.2135	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.4212	3rd Qu.: 0.2119	3rd Qu.: 0.2092	
## Max. : 4.0616	Max. : 4.4179	Max. : 5.4450	
## Prominence_cooc.W.ADC	IC1_d.W.ADC	IC2_d.W.ADC	
## Min. :-0.6919	Min. :-4.5975	Min. :-1.2237	
## 1st Qu.:-0.6007	1st Qu.:-0.4209	1st Qu.:-0.6385	
## Median :-0.3129	Median : 0.1758	Median :-0.4111	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	
## 3rd Qu.: 0.0198	3rd Qu.: 0.7310	3rd Qu.: 0.5026	
## Max. : 5.8345	Max. : 1.3308	Max. : 2.5156	
## Coarseness_vdif.W.ADC	Contrast_vdif.W.ADC	Busyness_vdif.W.ADC	
## Min. :-2.1195	Min. :-0.9791	Min. :-2.11863	
## 1st Qu.:-0.4700	1st Qu.:-0.5561	1st Qu.:-0.52395	
## Median : 0.0510	Median :-0.3072	Median :-0.09297	
## Mean : 0.0000	Mean : 0.0000	Mean : 0.00000	
## 3rd Qu.: 0.4602	3rd Qu.: 0.1078	3rd Qu.: 0.43915	
## Max. : 3.8050	Max. : 6.8033	Max. : 4.28742	

## Complexity_vdif.W.ADC	Strength_vdif.W.ADC	SRE_align.W.ADC	LRE_align.W.ADC
## Min. : -0.9709	Min. : -1.1121	Min. : -0.7308	Min. : -0.7211
## 1st Qu.: -0.6681	1st Qu.: -0.6535	1st Qu.: -0.5816	1st Qu.: -0.5887
## Median : -0.2653	Median : -0.3435	Median : -0.5543	Median : -0.5529
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.3990	3rd Qu.: 0.3265	3rd Qu.: 1.5552	3rd Qu.: 1.5492
## Max. : 6.0882	Max. : 4.9793	Max. : 1.7860	Max. : 1.9636
## GLNU_align.W.ADC	RLNU_align.W.ADC	RP_align.W.ADC	LGRE_align.W.ADC
## Min. : -0.7333	Min. : -0.6902	Min. : -0.7401	Min. : -2.27237
## 1st Qu.: -0.5941	1st Qu.: -0.5539	1st Qu.: -0.5818	1st Qu.: -0.51539
## Median : -0.3737	Median : -0.3981	Median : -0.5526	Median : 0.09534
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: 0.1388	3rd Qu.: 0.1480	3rd Qu.: 1.5379	3rd Qu.: 0.54819
## Max. : 6.5566	Max. : 6.5382	Max. : 1.7965	Max. : 2.70926
## HGRE_align.W.ADC	LGSRE_align.W.ADC	HGSRE_align.W.ADC	LGHRE_align.W.ADC
## Min. : -1.3135	Min. : -2.27566	Min. : -1.3136	Min. : -2.24791
## 1st Qu.: -0.6889	1st Qu.: -0.51275	1st Qu.: -0.6882	1st Qu.: -0.52760
## Median : -0.1647	Median : 0.09994	Median : -0.1662	Median : 0.07717
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.00000
## 3rd Qu.: 0.4045	3rd Qu.: 0.55436	3rd Qu.: 0.4067	3rd Qu.: 0.52536
## Max. : 4.0753	Max. : 2.61211	Max. : 4.0823	Max. : 3.19638
## HGLRE_align.W.ADC	GLNU_norm_align.W.ADC	RLNU_norm_align.W.ADC	
## Min. : -1.3123	Min. : -2.28055	Min. : -0.7720	
## 1st Qu.: -0.6870	1st Qu.: -0.46039	1st Qu.: -0.5878	
## Median : -0.1590	Median : 0.01598	Median : -0.5460	
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	
## 3rd Qu.: 0.3984	3rd Qu.: 0.54042	3rd Qu.: 1.4790	
## Max. : 4.0428	Max. : 2.32851	Max. : 1.8347	
## GLVAR_align.W.ADC	RLVAR_align.W.ADC	Entropy_align.W.ADC	SZSE.W.ADC
## Min. : -1.1389	Min. : -2.29100	Min. : -0.9913	Min. : -0.7773
## 1st Qu.: -0.7347	1st Qu.: -0.46023	1st Qu.: -0.6439	1st Qu.: -0.5819
## Median : -0.1759	Median : 0.02314	Median : -0.4745	Median : -0.5430
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.2403	3rd Qu.: 0.49588	3rd Qu.: 0.8898	3rd Qu.: 1.4776
## Max. : 4.2367	Max. : 2.82723	Max. : 2.4115	Max. : 1.8160
## LZSE.W.ADC	LGLZE.W.ADC	HGLZE.W.ADC	SZLGE.W.ADC
## Min. : -0.7715	Min. : -2.2768	Min. : -1.3138	Min. : -2.2818
## 1st Qu.: -0.6308	1st Qu.: -0.5090	1st Qu.: -0.6890	1st Qu.: -0.5025
## Median : -0.5511	Median : 0.1003	Median : -0.1561	Median : 0.1009
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 1.2120	3rd Qu.: 0.5570	3rd Qu.: 0.4104	3rd Qu.: 0.5705
## Max. : 2.5306	Max. : 2.4096	Max. : 4.0870	Max. : 2.1477
## SZHGE.W.ADC	LZLGE.W.ADC	LZHGE.W.ADC	GLNU_area.W.ADC
## Min. : -1.3133	Min. : -2.13651	Min. : -1.3090	Min. : -0.7321
## 1st Qu.: -0.6852	1st Qu.: -0.54372	1st Qu.: -0.7059	1st Qu.: -0.5915
## Median : -0.1610	Median : 0.08248	Median : -0.1803	Median : -0.3799
## Mean : 0.0000	Mean : 0.00000	Mean : 0.0000	Mean : 0.0000
## 3rd Qu.: 0.4095	3rd Qu.: 0.46969	3rd Qu.: 0.4200	3rd Qu.: 0.1598
## Max. : 4.1196	Max. : 4.04184	Max. : 4.2178	Max. : 6.6650
## ZSNU.W.ADC	ZSP.W.ADC	GLNU_norm.W.ADC	ZSNU_norm.W.ADC
## Min. : -0.6841	Min. : -0.8076	Min. : -2.2549	Min. : -0.8857
## 1st Qu.: -0.5457	1st Qu.: -0.5855	1st Qu.: -0.4805	1st Qu.: -0.6034
## Median : -0.3904	Median : -0.5378	Median : 0.0624	Median : -0.5320
## Mean : 0.0000	Mean : 0.0000	Mean : 0.0000	Mean : 0.0000

```
## 3rd Qu.: 0.1352 3rd Qu.: 1.4251 3rd Qu.: 0.5381 3rd Qu.: 1.2603
## Max. : 6.6729 Max. : 1.8574 Max. : 2.2114 Max. : 2.0579
## GLVAR_area.W.ADC ZSVAR.W.ADC Entropy_area.W.ADC
## Min. : -1.1391 Min. : -1.6945 Min. : -0.9756
## 1st Qu.: -0.7273 1st Qu.: -0.5990 1st Qu.: -0.6280
## Median : -0.1741 Median : -0.1693 Median : -0.4946
## Mean : 0.0000 Mean : 0.0000 Mean : 0.0000
## 3rd Qu.: 0.2387 3rd Qu.: 0.4701 3rd Qu.: 0.8891
## Max. : 4.2228 Max. : 4.5022 Max. : 2.2949
```

```
head(df_final)
```

```
## Failure.binary Failure Entropy_cooc.W.ADC GLNU_align.H.PET Min_hist.PET
## 1 0 1.1985789 0.55290547 -0.57063689 -0.4541408
## 2 1 -0.7212472 -0.06486729 -0.78903636 0.4998369
## 3 0 2.7926271 0.45990825 -0.06024275 -1.1504338
## 4 1 -0.4442487 1.14318298 2.67468822 -0.4446190
## 5 0 0.6898772 0.34499368 -0.06740573 -0.9887407
## 6 1 -1.1289054 0.84917904 0.07354603 -1.1864923
## Max_hist.PET Mean_hist.PET Variance_hist.PET Standard_Deviation_hist.PET
## 1 -0.4361311 -0.4204856 -0.2625994 -0.2362506
## 2 0.1486951 0.3153953 0.3949731 0.2970175
## 3 -1.1768823 -1.1362283 -0.8957972 -1.1289710
## 4 -0.1516658 -0.3486295 -0.2802885 -0.2534091
## 5 -1.1061760 -1.1155134 -0.9335606 -1.2398300
## 6 -1.2223057 -1.2048611 -0.9289185 -1.2246350
## Skewness_hist.PET Kurtosis_hist.PET Energy_hist.PET Entropy_hist.PET
## 1 -0.3229376 -0.2730969 0.05021980 -0.3798553
## 2 -0.1769772 -0.2664840 0.09191129 -0.7468252
## 3 -0.9586986 -0.4718456 0.04744499 -0.3704894
## 4 -0.1155757 0.1199784 -0.01242149 -0.1570421
## 5 0.9580073 0.9071980 0.15326924 -0.8531740
## 6 -0.4355546 -0.1910724 0.05514509 -0.1536498
## AUC_hist.PET H_suv.PET Volume.PET X3D_surface.PET ratio_3ds_vol.PET
## 1 -0.5675836 -0.1211439 -0.77134265 -0.5201102 -0.2282413
## 2 -0.5634659 0.9495392 -0.86978222 -0.4310874 0.4221576
## 3 -0.5814501 -1.0718855 -0.48494090 -0.1551558 -0.2483619
## 4 -0.4067915 -0.3934530 0.05871532 0.2442709 -0.7007345
## 5 -0.4082919 -1.2107989 -0.42285136 -0.4502135 0.4091793
## 6 -0.5643056 -1.1009679 -0.76048331 -0.3917880 -0.0350387
## ratio_3ds_vol_norm.PET irregularity.PET tumor_length.PET Compactness_v1.PET
## 1 -0.376749051 -0.4041462 -0.4993850 -0.07197872
## 2 0.001181975 -0.2594920 -0.6246547 -0.08449944
## 3 -0.113559448 -0.5006828 -0.3144097 -0.08158664
## 4 -0.069268090 -0.7786312 0.3678334 -0.08276045
## 5 -0.004442091 -0.3960864 -0.6910089 -0.08436902
## 6 -0.185715505 -0.4839717 -0.4467293 -0.07941290
## Compactness_v2.PET Spherical_disproportion.PET Sphericity.PET Asphericity.PET
## 1 -0.4249126 -0.376749051 -0.4428932 -0.36463396
## 2 -0.4265812 0.001181975 -0.5051973 0.02005061
## 3 -0.4262617 -0.113559448 -0.4897787 -0.09674122
## 4 -0.4263918 -0.069268090 -0.4960147 -0.05165838
## 5 -0.4265693 -0.004442091 -0.5044949 0.01432605
## 6 -0.4259895 -0.185715505 -0.4787394 -0.17018669
```

##	Center_of_mass.PET	Max_3D_diam.PET	Major_axis_length.PET	
## 1	-0.03050325	-0.66406536	-0.77986887	
## 2	-0.32639266	-0.75236400	-0.76712458	
## 3	-0.58411455	-0.53368216	-0.45235010	
## 4	0.04330285	-0.05279069	-0.06489845	
## 5	-0.40817644	-0.79913502	-0.74622189	
## 6	-0.69694662	-0.62695008	-0.57774168	
##	Minor_axis_length.PET	Least_axis_length.PET	Elongation.PET	Flatness.PET
## 1	-0.8104678	-0.5530902	-0.3767912	0.0388863
## 2	-0.7488362	-0.7395741	-0.3002178	-0.3471572
## 3	-0.6156914	-0.4296651	-0.6833310	-0.4444301
## 4	0.4300517	0.7399041	-0.1112560	0.3031255
## 5	-0.8991212	-0.7280052	-0.6012065	-0.3723581
## 6	-0.5623790	-0.9903323	-0.4089789	-1.0862675
##	Max_cooc.L.PET	Average_cooc.L.PET	Variance_cooc.L.PET	Entropy_cooc.L.PET
## 1	0.01907240	-0.38679684	-0.10747089	-0.4982927
## 2	0.13070498	-0.47577094	0.09064602	-0.5860237
## 3	0.01953020	0.01393894	-0.07644599	-0.4564828
## 4	0.05256218	-0.85110310	-1.08067728	-0.5975811
## 5	0.10827282	-1.07572238	-0.70694040	-0.6879367
## 6	0.03231337	-0.34383121	-0.33459330	-0.4952102
##	DAVE_cooc.L.PET	DVAR_cooc.L.PET	DENT_cooc.L.PET	SAVE_cooc.L.PET
## 1	-0.32209112	-0.4376118	-0.4886194	-0.38709402
## 2	0.01715114	0.2839811	-0.3924968	-0.47610489
## 3	-0.25478670	-0.4201798	-0.4853888	0.01380756
## 4	-1.01842876	-1.0814113	-0.7736715	-0.85159235
## 5	-0.57943763	-0.5145756	-0.5799860	-1.07630456
## 6	-0.35338811	-0.3880621	-0.5037470	-0.34411057
##	SVAR_cooc.L.PET	SENT_cooc.L.PET	ASM_cooc.L.PET	Contrast_cooc.L.PET
## 1	-0.02670287	-0.4370125	0.08567996	-0.2213217
## 2	-0.05030249	-0.4522504	0.09647507	0.3022677
## 3	0.01642425	-0.4160760	0.08186129	-0.2136907
## 4	-1.03759534	-0.5918277	0.09955938	-1.0037577
## 5	-0.76817505	-0.6137263	0.11134587	-0.5146244
## 6	-0.33550372	-0.4628880	0.08443155	-0.2881716
##	Dissimilarity_cooc.L.PET	Inv_diff_cooc.L.PET	Inv_diff_norm_cooc.L.PET	
## 1	-0.32209112	-0.56676432	-0.5763209	
## 2	0.01715114	-0.65677272	-0.6263249	
## 3	-0.25478670	-0.67304907	-0.5908391	
## 4	-1.01842876	0.01529491	-0.4583262	
## 5	-0.57943763	-0.35540218	-0.5329963	
## 6	-0.35338811	-0.55940955	-0.5726633	
##	IDM_cooc.L.PET	IDM_norm_cooc.L.PET	Inv_var_cooc.L.PET	Correlation_cooc.L.PET
## 1	-0.5299735	-0.5673986	-0.5326148	-0.2395619
## 2	-0.5765204	-0.6053420	-0.5811335	-0.8363785
## 3	-0.6595578	-0.5704381	-0.6177360	-0.2158561
## 4	0.1580695	-0.5056711	0.2132500	0.1061216
## 5	-0.2767734	-0.5441814	-0.2387626	-0.5520434
## 6	-0.5141966	-0.5628242	-0.5072913	-0.4179359
##	Autocorrelation_cooc.L.PET	Tendency_cooc.L.PET	Shade_cooc.L.PET	
## 1	-0.2329996	-0.02670287	0.1671657	
## 2	-0.4242598	-0.05030249	-0.2480649	
## 3	0.3938654	0.01642425	-1.0691758	
## 4	-0.9158615	-1.03759534	-0.4177156	

## 5	-1.1530657	-0.76817505	0.7271944	
## 6	-0.2233890	-0.33550372	-0.3600608	
##	Prominence_cooc.L.PET	IC1_.L.PET	IC2_.L.PET	Coarseness_vdif_.L.PET
## 1	0.03098815	0.28708958	-0.3388377	0.006376387
## 2	-0.09787370	0.07137519	-0.2700784	0.002781345
## 3	-0.10490242	0.48311676	-0.4270856	0.062882324
## 4	-0.99146297	0.85653165	-0.7163131	-0.265687089
## 5	-0.21532057	0.51165900	-0.5122657	0.091004827
## 6	-0.28337792	0.45766703	-0.4241077	0.056388055
##	Contrast_vdif_.L.PET	Busyness_vdif_.L.PET	Complexity_vdif_.L.PET	
## 1	-0.20028108	-0.5370115	-0.2662241	
## 2	0.04845588	-0.5588516	0.1658987	
## 3	-0.20399173	-0.6279787	-0.4553060	
## 4	-0.56421930	0.3930587	-0.9080359	
## 5	-0.28542101	-0.5535294	-0.2924139	
## 6	-0.26453325	-0.5919696	-0.4582705	
##	Strength_vdif_.L.PET	SRE_align.L.PET	LRE_align.L.PET	GLNU_align.L.PET
## 1	-0.26986044	-0.5491186	-0.6008961	-0.5518738
## 2	-0.08939775	-0.5417070	-0.6286505	-0.5804090
## 3	-0.33357336	-0.5429081	-0.6287202	-0.5689426
## 4	-0.74161019	-0.5790227	-0.4805041	0.8278520
## 5	0.36980693	-0.5500234	-0.6039683	-0.5451300
## 6	-0.29834594	-0.5507824	-0.6004473	-0.5535866
##	RLNU_align.L.PET	RP_align.L.PET	LGRE_align.L.PET	HGRE_align.L.PET
## 1	-0.5464275	-0.5474571	-0.1363764	-0.2927891
## 2	-0.6108530	-0.5377614	-0.1015623	-0.3788537
## 3	-0.5406625	-0.5385648	-0.5363455	0.2550858
## 4	0.8204210	-0.5874610	-0.3920716	-0.8757658
## 5	-0.6113202	-0.5474295	0.3215672	-1.1367241
## 6	-0.5389372	-0.5485107	-0.3905515	-0.1862284
##	LGSRE_align.L.PET	HGSRE_align.L.PET	LGHRE_align.L.PET	HGLRE_align.L.PET
## 1	-0.1309227	-0.2892810	-0.1586271	-0.3027382
## 2	-0.1020941	-0.3648331	-0.1043141	-0.4335426
## 3	-0.5281412	0.2543553	-0.5656372	0.2540986
## 4	-0.3977173	-0.8798431	-0.3696846	-0.8559685
## 5	0.3336016	-1.1252892	0.2682880	-1.1814830
## 6	-0.3835794	-0.1800162	-0.4177003	-0.2110612
##	GLNU_norm_align.L.PET	RLNU_norm_align.L.PET	GLVAR_align.L.PET	
## 1	-0.23873077	-0.5367407	-0.10514870	
## 2	-0.09112146	-0.5172827	0.02719377	
## 3	-0.32104774	-0.5210072	0.04708212	
## 4	-0.12102818	-0.6136212	-1.05093564	
## 5	0.11402955	-0.5396152	-0.91313817	
## 6	-0.27069541	-0.5414162	-0.24895053	
##	RLVAR_align.L.PET	Entropy_align.L.PET	SZSE.L.PET	LZSE.L.PET
## 1	-0.2613329	-0.5213924	-0.5416124	-0.4480602
## 2	-0.3774656	-0.6055192	-0.4622829	-0.6146387
## 3	-0.3933670	-0.4724149	-0.4319895	-0.7703556
## 4	0.2721998	-0.5657969	-0.5905909	-0.1684870
## 5	-0.2978019	-0.7451479	-0.4515025	-0.7298394
## 6	-0.2810142	-0.5060910	-0.5189079	-0.5211468
##	HGLZE.L.PET	SZLGE.L.PET	SZHGE.L.PET	LZLGE.L.PET
## 1	-0.2984560	-0.17106728	-0.2942719	-0.15397307
## 2	-0.3730995	-0.09242262	-0.3163762	-0.18984205
				-0.54236685
				-0.5773325

```

## 3  0.2138548 -0.44960709  0.2507497 -0.67073190 -0.04279253      -0.5580437
## 4  -0.8741513 -0.39730122 -0.8709436 -0.29205659 -0.65872610      0.7972658
## 5  -1.1420153  0.44865547 -1.0646965 -0.02980072 -1.18830026     -0.5331460
## 6  -0.2275594 -0.43201249 -0.2525831 -0.40630438 -0.17656210     -0.5487210
##   ZSNU.L.PET  ZSP.L.PET  GLNU_norm.L.PET  ZSNU_norm.L.PET  GLVAR_area.L.PET
## 1  -0.5530418 -0.5621738   -0.23689556   -0.6190040   -0.121204529
## 2  -0.5984956 -0.4628174   -0.09957407   -0.4177144    0.000753596
## 3  -0.5054842 -0.4019440   -0.31340711   -0.3386244    0.026274426
## 4   0.7243773 -0.6566870   -0.11705626   -0.7292502   -1.045590634
## 5  -0.5925559 -0.4268835    0.12451086   -0.3925193   -0.907213368
## 6  -0.5364744 -0.5302461   -0.25610439   -0.5629950   -0.293935425
##   ZSVAR.L.PET  Entropy_area.L.PET  Max_cooc.H.PET  Average_cooc.H.PET
## 1  -0.2226564   -0.5000553   -0.5622647   -0.62173115
## 2  -0.4137605   -0.6362274   -0.4644195   -0.65760120
## 3  -0.8362779   -0.5442329    0.5340130   -0.34277170
## 4   0.4721232   -0.4937376   -0.4910382   -0.71683325
## 5  -0.7751321   -0.7925323    2.5493588   -0.09109055
## 6  -0.3715063   -0.5139189    0.9182000   -0.26774039
##   Variance_cooc.H.PET  Entropy_cooc.H.PET  DAVE_cooc.H.PET  DVAR_cooc.H.PET
## 1      -0.3926613      -0.4405901      -0.4245348      -0.5066538
## 2      -0.3614375      -0.1978581      -0.2002922      -0.3071158
## 3      -0.6153275      -1.2304855      -0.6542876      -0.3422576
## 4      -0.2257862      -0.4815188      -0.5565737      -0.5352219
## 5      -1.8853813      -1.4739615      -1.4624814      -1.5091037
## 6      -1.0272260      -1.3894649      -0.9100846      -0.4729899
##   DENT_cooc.H.PET  SAVE_cooc.H.PET  SVAR_cooc.H.PET  SENT_cooc.H.PET
## 1      0.08192889     -0.57021320     -0.21121323     0.07030056
## 2     -0.83264259     -0.69322153     -0.51771839     0.21849474
## 3     -0.01496272     -0.28179187     -0.04897359     -0.73909827
## 4     -0.06855070     -0.66854100     -0.06049054     0.03408701
## 5     -0.27142899     -0.02157412     -0.22370520     -0.99227968
## 6     -1.36710074     -0.20421566     -1.12758322     -0.90558682
##   ASM_cooc.H.PET  Contrast_cooc.H.PET  Dissimilarity_cooc.H.PET
## 1     -0.4257044     -0.4150674     -0.4245348
## 2     -0.4923348     -0.1059010     -0.2002922
## 3      0.5293038     -0.5606912     -0.6542876
## 4     -0.3939640     -0.5503855     -0.5565737
## 5      2.2056453     -1.5501224     -1.4624814
## 6      1.1479491     -0.8152598     -0.9100846
##   Inv_diff_cooc.H.PET  Inv_diff_norm_cooc.H.PET  IDM_cooc.H.PET
## 1     -0.6699941     -0.5752921     -0.6523898
## 2     -0.8857913     -0.6152984     -0.8819195
## 3      0.3565728     -0.5209539     0.5268363
## 4     -0.4667711     -0.5490693     -0.4271592
## 5      1.0615198     -0.3715120     1.2525912
## 6      0.7501870     -0.4686586     0.9497298
##   IDM_norm_cooc.H.PET  Inv_var_cooc.H.PET  Correlation_cooc.H.PET
## 1     -0.5628068      0.1245932     -0.2531664
## 2     -0.5876552      0.1626292     -0.7097902
## 3     -0.5524530     -0.4195061     -0.3204338
## 4     -0.5507795      0.1827693      0.1572312
## 5     -0.4665595     -0.1515276     -0.8038649
## 6     -0.5320201     -0.4759560     -0.5377799
##   Autocorrelation_cooc.H.PET  Tendency_cooc.H.PET  Shade_cooc.H.PET

```

## 1	-0.63574265		-0.34548858	0.56115327		
## 2	-0.72995330		-0.46719366	-0.03213742		
## 3	-0.12798663		-0.58987505	-0.06440384		
## 4	-0.75877292		-0.03028623	-0.39054358		
## 5	0.31634762		-1.89802896	1.54978365		
## 6	-0.01075648		-1.04995447	0.53842843		
##	Prominence_cooc.H.PET	IC1_d.H.PET	IC2_d.H.PET	Coarseness_vdif.H.PET		
## 1	-0.2771646	0.45844723	-0.34880559	0.09720863		
## 2	-0.3832531	0.84097312	-0.70922702	0.12838981		
## 3	-0.7224845	0.08064715	-0.49617333	0.06302159		
## 4	0.3271375	-0.02579697	0.03019033	0.04310330		
## 5	-1.7264583	0.44273864	-0.93060958	0.08210694		
## 6	-1.2412690	0.22017194	-0.70937241	0.05664774		
##	Contrast_vdif.H.PET	Busyness_vdif.H.PET	Complexity_vdif.H.PET			
## 1	-0.4274453	-0.3638887	-0.10931813			
## 2	-0.5671546	-0.3703971	0.06155045			
## 3	0.7225133	-0.3477636	-0.19946129			
## 4	-0.4836185	-0.2468294	-0.23521590			
## 5	-0.5418056	-0.3667598	-0.72923006			
## 6	1.0600966	-0.3404997	-0.27546607			
##	Strength_vdif.H.PET	SRE_align.H.PET	LRE_align.H.PET	RLNU_align.H.PET		
## 1	-0.13025494	-0.4307026	-0.7195651	-0.4971654		
## 2	-0.09260654	-0.3447791	-0.9067290	-0.5420981		
## 3	-0.11406009	-0.7812458	0.3824637	-0.5852595		
## 4	-0.23919622	-0.5220265	-0.4651246	0.7194380		
## 5	0.08722946	-0.8618153	0.6020573	-0.6316801		
## 6	-0.11599525	-0.9130679	1.0286387	-0.6029308		
##	RP_align.H.PET	LGRE_align.H.PET	HGRE_align.H.PET	LGSRE_align.H.PET		
## 1	-0.4065909	0.06392089	-0.698132947	0.06778299		
## 2	-0.2896583	0.06421447	-0.740884690	0.06870144		
## 3	-0.8520852	0.03404939	-0.378161662	0.03611506		
## 4	-0.5294515	0.10054467	-0.674598529	0.09794468		
## 5	-0.9156443	0.01379255	0.456615365	0.01822378		
## 6	-0.9873040	0.02311363	-0.008001338	0.02524069		
##	HGSRE_align.H.PET	LGHRE_align.H.PET	HGLRE_align.H.PET	GLNU_norm_align.H.PET		
## 1	-0.59041968	0.037835342	-0.6802823	-0.5712362		
## 2	-0.53088745	0.033125985	-0.8573161	-0.7030578		
## 3	-0.76247426	0.027942041	0.6873551	0.5316701		
## 4	-0.65688536	0.117419836	-0.4979682	-0.6317852		
## 5	0.09512599	-0.005644076	1.0274090	1.5299799		
## 6	-0.48738896	0.028964227	1.2343204	0.9385123		
##	RLNU_norm_align.H.PET	GLVAR_align.H.PET	RLVAR_align.H.PET	Entropy_align.H.PET		
## 1	-0.3120397	-0.3721453	-0.5834915	-0.4736414		
## 2	-0.1079673	-0.4355544	-0.8037182	-0.3905964		
## 3	-0.9704621	-0.6625075	0.7441584	-0.8867673		
## 4	-0.5049737	-0.1576847	-0.2617379	-0.2985495		
## 5	-1.0850209	-1.8601022	0.9596641	-1.0911927		
## 6	-1.1496499	-0.9735944	1.4877490	-0.8924170		
##	SZSE.H.PET	LZSE.H.PET	LGLZE.H.PET	HGLZE.H.PET	SZLGE.H.PET	SZHGE.H.PET
## 1	-0.34821000	-0.20713789	0.054010198	-0.2901933	0.06374556	-3.657487e-01
## 2	0.08296996	-0.21972745	0.057224946	-0.7831293	0.07546816	-9.234150e-02
## 3	-0.85184571	-0.11558937	0.031689625	-0.3822321	0.04154588	-9.771746e-01
## 4	-0.46659449	-0.14463396	0.093281256	0.5268357	0.08796006	-5.579603e-01
## 5	-0.98364474	0.01824329	0.007396366	0.7261377	0.02594017	-2.874186e-05

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## 6 -0.98401691 0.20956309 0.019378605 -0.1268240 0.03231433 -7.223679e-01
## LZLGE.H.PET LZHGE.H.PET GLNU_area.H.PET ZSNU.H.PET ZSP.H.PET
## 1 -0.2540270 -0.233853915 -0.5444686 -0.4601965 -0.2248134
## 2 -0.2869748 -0.243886393 -0.5796658 -0.3824687 0.5127672
## 3 -0.2005686 -0.095484736 -0.4288636 -0.5618607 -0.9285878
## 4 -0.0380075 -0.186879336 0.5390657 0.1940260 -0.6128852
## 5 -0.1199001 0.006637164 -0.5810817 -0.5874970 -1.1161831
## 6 0.1643966 0.194571350 -0.5459613 -0.5864810 -1.2948336
## GLNU_norm.H.PET ZSNU_norm.H.PET GLVAR_area.H.PET ZSVAR_H.PET
## 1 -0.5806037 -0.3162951 -0.4224700 -0.22265827
## 2 -0.6979911 0.5518249 -0.4601605 -0.23141569
## 3 0.7417602 -1.0206540 -0.7321688 -0.14238329
## 4 -0.6306111 -0.5107478 -0.1013358 -0.15967750
## 5 0.8761277 -1.1255136 -1.7481942 -0.01198442
## 6 1.0030056 -1.1804675 -0.8220885 0.15839447
## Entropy_area.H.PET Max_cooc.W.PET Average_cooc.W.PET Variance_cooc.W.PET
## 1 -0.4736178 -0.3461950 -0.31008562 -0.2564173
## 2 -0.6802143 -0.3036564 0.02683964 0.4493676
## 3 -0.7186979 0.2207037 -1.03175940 -0.8969181
## 4 -0.2259535 -0.3351671 -0.24731569 -0.3130037
## 5 -0.7802805 1.4412203 -1.25206094 -0.9213654
## 6 -0.7566641 0.5149649 -1.16802267 -0.9303583
## Entropy_cooc.W.PET DAVE_cooc.W.PET DVAR_cooc.W.PET DENT_cooc.W.PET
## 1 -0.3380333 -0.2540337 -0.3193107 -0.342943902
## 2 -0.1736199 0.5364988 0.6942880 0.002238598
## 3 -1.0345685 -1.1339433 -0.9433432 -1.093835590
## 4 -0.3440762 -0.4552820 -0.4197731 -0.444514652
## 5 -1.2576617 -1.2034308 -0.9378081 -1.135682315
## 6 -1.1793425 -1.2258890 -0.9628533 -1.208596176
## SAVE_cooc.W.PET SVAR_cooc.W.PET SENT_cooc.W.PET ASM_cooc.W.PET
## 1 -0.31038212 -0.2282020 -0.3159465 -0.2006869
## 2 0.02661683 0.3098894 -0.1467601 -0.2333697
## 3 -1.03221397 -0.8431674 -0.9419763 0.3324825
## 4 -0.24759852 -0.2424063 -0.3128799 -0.1888046
## 5 -1.25256366 -0.8712021 -1.1559564 1.2294011
## 6 -1.16850700 -0.8775841 -1.0917096 0.6973497
## Contrast_cooc.W.PET Dissimilarity_cooc.W.PET Inv_diff_cooc.W.PET
## 1 -0.3075340 -0.2540337 -0.6374300
## 2 0.7742948 0.5364988 -0.9304053
## 3 -0.9576910 -1.1339433 0.2901524
## 4 -0.4700373 -0.4552820 -0.4626158
## 5 -0.9705620 -1.2034308 0.5487330
## 6 -0.9855880 -1.2258890 0.5258770
## Inv_diff_norm_cooc.W.PET IDM_cooc.W.PET IDM_norm_cooc.W.PET
## 1 -0.5764903 -0.6315742 -0.5654455
## 2 -0.6353259 -0.9114075 -0.6095647
## 3 -0.5694748 0.5091234 -0.5606607
## 4 -0.4639086 -0.4247365 -0.5072004
## 5 -0.5218385 0.8605536 -0.5446135
## 6 -0.5432064 0.8382954 -0.5500768
## Inv_var_cooc.W.PET Correlation_cooc.W.PET Autocorrelation_cooc.W.PET
## 1 -0.5757397 -0.2399351 -0.32079144
## 2 -0.9126200 -0.8269017 0.03559253
## 3 0.5282510 -0.2251579 -0.85647530

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## 4	-0.3646175	0.1173220	-0.25478504			
## 5	0.6301697	-0.6005036	-0.93362150			
## 6	0.7959910	-0.4364399	-0.90992639			
##	Tendency_cooc.W.PET	Shade_cooc.W.PET	Prominence_cooc.W.PET	IC1_d.W.PET		
## 1	-0.2282020	-0.19389610	-0.24361420	0.5027180		
## 2	0.3098894	-0.07709063	-0.06025639	0.4614179		
## 3	-0.8431674	-0.38075702	-0.33892430	0.2495240		
## 4	-0.2424063	-0.12206509	-0.20994984	0.1738307		
## 5	-0.8712021	-0.36726449	-0.33872045	0.7187278		
## 6	-0.8775841	-0.37810446	-0.33964929	0.4437719		
##	IC2_d.W.PET	Coarseness_vdif.W.PET	Contrast_vdif.W.PET	Busyness_vdif.W.PET		
## 1	-0.4267892	-0.0550313004	-0.1846450	-0.6979653		
## 2	-0.3295264	-0.0353358511	0.9808822	-0.8409454		
## 3	-0.5747430	0.0153602863	-0.8804405	0.3359712		
## 4	-0.1890252	-0.3110467938	-0.8000340	-0.2967495		
## 5	-1.0350664	0.0257529944	-1.0090603	0.7166976		
## 6	-0.7867358	0.0007597987	-1.0067613	0.9729224		
##	Complexity_vdif.W.PET	Strength_vdif.W.PET	SRE_align.W.PET	LRE_align.W.PET		
## 1	-0.39496588	-0.1487983	-0.4965600	-0.73910542		
## 2	0.08320976	0.4339190	-0.4598340	-0.85727668		
## 3	-0.66954127	-0.5979340	-0.6654328	-0.06739247		
## 4	-0.23711930	-0.4828870	-0.5398142	-0.58157466		
## 5	-0.66792434	-0.5191096	-0.6972780	0.02047286		
## 6	-0.67367185	-0.6067205	-0.7279147	0.21868188		
##	GLNU_align.W.PET	RLNU_align.W.PET	RP_align.W.PET	LGRE_align.W.PET		
## 1	-0.6559981	-0.5172076	-0.4802142	-0.4017177		
## 2	-0.7533293	-0.5729297	-0.4299235	-0.5396006		
## 3	-0.3788126	-0.5646645	-0.7036969	0.3462367		
## 4	0.8307024	0.7825295	-0.5386015	-0.7522301		
## 5	-0.3210012	-0.6191293	-0.7329976	1.5284294		
## 6	-0.2465460	-0.5756284	-0.7771379	0.7543122		
##	HGRE_align.W.PET	LGSRE_align.W.PET	HGSRE_align.W.PET	LGHRE_align.W.PET		
## 1	-0.34486770	-0.3723193	-0.33818074	-0.4632262		
## 2	0.06469248	-0.5229899	0.08716306	-0.5574876		
## 3	-0.87260946	0.3282319	-0.87478027	0.3281300		
## 4	-0.22356683	-0.7627312	-0.23166000	-0.6670154		
## 5	-0.93382896	1.4011158	-0.92610182	1.7315839		
## 6	-0.91329204	0.6876126	-0.91131785	0.9541545		
##	HGLRE_align.W.PET	GLNU_norm_align.W.PET	RLNU_norm_align.W.PET			
## 1	-0.37252766	-0.5138900	-0.4173834			
## 2	-0.02056866	-0.6106199	-0.3241975			
## 3	-0.85434001	0.4207051	-0.7968581			
## 4	-0.18712885	-0.5748071	-0.5214981			
## 5	-0.96930814	1.5193572	-0.8584130			
## 6	-0.91848578	0.8671484	-0.9133916			
##	GLVAR_align.W.PET	RLVAR_align.W.PET	Entropy_align.W.PET	SZSE.W.PET		
## 1	-0.2669606	-0.5628902	-0.4498174	-0.3984842		
## 2	0.3757256	-0.7613964	-0.3576058	-0.2078345		
## 3	-0.8976031	0.6493112	-0.9123703	-0.7071376		
## 4	-0.2715007	-0.2778154	-0.3176612	-0.5128944		
## 5	-0.9318581	0.7263114	-1.1552447	-0.8303329		
## 6	-0.9287314	1.1021073	-0.9927288	-0.8940003		
##	LZSE.W.PET	LGLZE.W.PET	HGLZE.W.PET	SZLGE.W.PET	SHZGE.W.PET	LZLGE.W.PET
## 1	-0.46022593	-0.4680080	-0.33029582	-0.4203553	-0.3108175	-0.2805442

## 2	-0.54971957	-0.5314592	0.04470571	-0.3837420	0.0993072	-0.3230801
## 3	0.03171704	0.6608786	-0.88997048	0.7774380	-0.8762190	-0.1395594
## 4	-0.28978468	-0.7610457	-0.19725000	-0.7649478	-0.2307742	-0.3033265
## 5	0.08014995	1.4982016	-0.93506566	1.1046276	-0.9059600	0.3616331
## 6	0.87001336	0.8734152	-0.92196939	0.8204223	-0.9076839	0.7265043
##	LZHGE.W.PET	GLNU_area.W.PET	ZSNU.W.PET	ZSP.W.PET	GLNU_norm.W.PET	
## 1	-0.52340377	-0.6041965	-0.4721573	-0.30839336	-0.5218836	
## 2	-0.39643071	-0.6842908	-0.4825369	-0.02030225	-0.6162192	
## 3	-0.71605820	-0.3854504	-0.5551402	-0.83267422	0.5443641	
## 4	0.08085406	0.7306191	0.4949157	-0.54623479	-0.5823999	
## 5	-1.09354081	-0.4252048	-0.6000846	-0.93920220	1.3583335	
## 6	-0.76011879	-0.4022340	-0.5913780	-1.18035989	0.9434539	
##	ZSNU_norm.W.PET	GLVAR_area.W.PET	ZSVAR.W.PET	Entropy_area.W.PET	Min_hist.ADC	
## 1	-0.3200057	-0.2766605	-0.38203018	-0.5014727	0.4113126	
## 2	0.1255877	0.3303703	-0.43457258	-0.5477755	-0.8657505	
## 3	-0.8898751	-0.8956246	0.03827969	-0.8589846	0.6090364	
## 4	-0.5494782	-0.2378244	-0.23636331	-0.2711087	-0.8657505	
## 5	-1.0798617	-0.9244211	0.02117985	-0.9273561	-0.8657505	
## 6	-1.1754135	-0.9261313	0.79391402	-0.7747854	-0.8657505	
##	Max_hist.ADC	Mean_hist.ADC	Variance_hist.ADC	Standard_Deviation_hist.ADC		
## 1	-0.54142188	-0.3871858	0.03649101	-0.13239011		
## 2	-0.59178935	-0.5187498	-0.35175571	-0.42773754		
## 3	-0.01830709	-0.3635494	1.08498263	0.51133519		
## 4	-0.01035433	-0.4584202	0.28753584	0.03833017		
## 5	-0.43450146	-0.7453425	-0.00565879	-0.16242576		
## 6	-0.33818472	-0.2100562	2.18699161	1.05521496		
##	Skewness_hist.ADC	Kurtosis_hist.ADC	Energy_hist.ADC	Entropy_hist.ADC		
## 1	0.7601872	-0.3645347	0.17139759	-0.8808510		
## 2	-1.3132101	0.3555531	0.08084621	-0.6160912		
## 3	1.4014854	0.8837421	0.05339560	-0.4708601		
## 4	-0.3335022	-0.4827438	0.03164901	-0.3251680		
## 5	-0.2284111	-0.2927585	0.06337764	-0.5427299		
## 6	-0.9234665	-1.3820906	0.04876108	-0.4722479		
##	AUC_hist.ADC	Volume.ADC	X3D_surface.ADC	ratio_3ds_vol.ADC		
## 1	-0.5517312	-0.77171573	-0.83357781	0.40738565		
## 2	-0.6811442	-0.83529619	-0.72636952	-0.20351364		
## 3	-0.3709215	-0.51840678	-0.56229596	-0.51516250		
## 4	-0.5582428	0.05016931	-0.07719641	-0.52782472		
## 5	-0.6274542	-0.48828960	-0.55940723	-0.47939174		
## 6	-0.6852396	-0.73987664	-0.52085076	-0.05784537		
##	ratio_3ds_vol_norm.ADC	irregularity.ADC	Compactness_v1.ADC	Compactness_v2.ADC		
## 1	-0.5102350	-0.3109450	-0.159269319	-0.56541295		
## 2	-0.7309093	-0.5307282	-0.015731983	0.01693002		
## 3	-0.7887529	-0.7548838	0.029338740	0.21805452		
## 4	-0.3401354	-0.6841516	-0.247114169	-0.87441235		
## 5	-0.7465117	-0.7114444	-0.003961922	0.06881245		
## 6	-0.2591402	-0.5710146	-0.283572652	-0.99205523		
##	Spherical_disproportion.ADC	Sphericity.ADC	Asphericity.ADC	Center_of_mass.ADC		
## 1	-0.5102350	-0.5761452	-0.32810533	-0.1599647		
## 2	-0.7309093	-0.3377117	-0.79595554	-0.1345429		
## 3	-0.7887529	-0.2658503	-0.91858954	0.3122768		
## 4	-0.3401354	-0.7287679	0.03252177	0.1652700		
## 5	-0.7465117	-0.3187759	-0.82903405	-0.5223026		
## 6	-0.2591402	-0.7938125	0.20423907	0.4204525		

##	Max_3D_diam.ADC	Major_axis_length.ADC	Minor_axis_length.ADC	
## 1	-0.9223406	-0.6363554	-1.0694709	
## 2	-0.7388407	-0.9347200	-0.7650734	
## 3	-0.6298715	-0.7330537	-0.4762489	
## 4	-0.2750518	-0.2806023	-0.2509627	
## 5	-0.7007593	-0.8147554	-0.5239350	
## 6	-0.5900804	-0.4516336	-0.5552712	
##	Least_axis_length.ADC	Elongation.ADC	Flatness.ADC	Max_cooc.L.ADC
## 1	-1.04883852	-1.2658333	-1.2879681	0.171468447
## 2	-0.59483948	-0.2578859	0.0237260	-0.034142536
## 3	-0.49092760	-0.1144291	-0.1805273	0.040404448
## 4	-0.07836234	-0.4660035	-0.2184426	0.008852003
## 5	-0.25589410	-0.0340415	0.4388721	-0.001549901
## 6	-0.67678823	-0.6741211	-0.8646448	-0.110769901
##	Average_cooc.L.ADC	Variance_cooc.L.ADC	Entropy_cooc.L.ADC	DAVE_cooc.L.ADC
## 1	-0.72089326	0.5592857	-0.6503058	0.10801881
## 2	-0.04429305	-0.7145134	-0.6089983	-0.58519579
## 3	-1.19070915	0.9512078	-0.5126260	-0.21463352
## 4	-0.58873748	-0.7749119	-0.6127855	-0.86737881
## 5	-0.53186871	-0.6271330	-0.5521907	-0.48832913
## 6	-0.10171762	1.2476170	-0.3423719	0.05653072
##	DVAR_cooc.L.ADC	DENT_cooc.L.ADC	SAVE_cooc.L.ADC	SVAR_cooc.L.ADC
## 1	1.3404697	-0.3378751	-0.7211984	0.4168868
## 2	-0.6443482	-0.6023649	-0.0444083	-0.7316081
## 3	0.9153432	-0.4453804	-1.1911468	1.1761980
## 4	-0.9051946	-0.7262579	-0.5890055	-0.6872803
## 5	-0.5937073	-0.5615696	-0.5321207	-0.6497936
## 6	0.5625945	-0.3536147	-0.1018483	1.5473657
##	SENT_cooc.L.ADC	ASM_cooc.L.ADC	Contrast_cooc.L.ADC	Dissimilarity_cooc.L.ADC
## 1	-0.21422274	0.11178526	0.8024997	0.10801881
## 2	-1.15215699	0.07978965	-0.5875537	-0.58519579
## 3	0.07552317	0.08346730	0.3370790	-0.21463352
## 4	-0.18692032	0.08199624	-0.8708007	-0.86737881
## 5	-0.21904233	0.06728562	-0.4988646	-0.48832913
## 6	-0.82480441	0.03933543	0.4319138	0.05653072
##	Inv_diff_cooc.L.ADC	Inv_diff_norm_cooc.L.ADC	IDM_cooc.L.ADC	
## 1	-0.5144491	-0.6074400	-0.4025260	
## 2	-0.4760492	-0.5436049	-0.4563809	
## 3	-0.4172269	-0.5736895	-0.3203856	
## 4	-0.2068187	-0.5106365	-0.1014070	
## 5	-0.5230063	-0.5549202	-0.5010570	
## 6	-0.7006237	-0.6088330	-0.6849128	
##	IDM_norm_cooc.L.ADC	Inv_var_cooc.L.ADC	Correlation_cooc.L.ADC	
## 1	-0.5963440	-0.4473741	-0.70471165	
## 2	-0.5504203	-0.4239707	-0.51812159	
## 3	-0.5792879	-0.3081512	0.09412942	
## 4	-0.5395436	-0.1032327	0.06038360	
## 5	-0.5542055	-0.4796230	-0.52975022	
## 6	-0.5864250	-0.6883192	0.18917254	
##	Autocorrelation_.L.ADC	Tendency_cooc.L.ADC	Shade_.L.ADC	Prominence_cooc.L.ADC
## 1	-0.6998238	0.4168868	1.5643914	0.9559151
## 2	0.2354008	-0.7316081	-0.8436388	-0.6151097
## 3	-1.1120988	1.1761980	4.1522294	3.9832025
## 4	-0.5602964	-0.6872803	-0.3582556	-0.7096757

## 5	-0.4952326	-0.6497936	-0.3648893	-0.6136209		
## 6	0.2695015	1.5473657	-1.0298872	1.2401564		
##	IC1_.L.ADC	IC2_.L.ADC	Coarseness_vdif_.L.ADC	Contrast_vdif_.L.ADC		
## 1	-0.6883999	0.02448574	0.301907443	0.6409048		
## 2	0.5967581	-0.55782502	0.056613103	-0.4518571		
## 3	0.1773429	-0.27185532	-0.075963314	-0.0702796		
## 4	0.3808910	-0.41652989	-0.139734248	-0.6427148		
## 5	0.6439494	-0.57515917	0.008225508	-0.3561751		
## 6	-0.1924172	-0.05807723	-0.003801467	0.3844799		
##	Busyness_vdif_.L.ADC	Complexity_vdif_.L.ADC	Strength_vdif_.L.ADC			
## 1	-0.6365437	0.2240702	1.08878436			
## 2	-0.6250681	-0.8182427	-0.05349273			
## 3	-0.1905094	0.5372433	0.06221020			
## 4	-0.2282567	-0.9070155	-0.48069605			
## 5	-0.5381510	-0.6730924	-0.20159009			
## 6	-0.5798298	0.2904589	-0.09788725			
##	SRE_align.L.ADC	LRE_align.L.ADC	GLNU_align.L.ADC	RLNU_align.L.ADC		
## 1	-0.5432046	-0.6178635	-0.6261970	-0.6678444		
## 2	-0.5458232	-0.6137933	-0.5441134	-0.5747492		
## 3	-0.5607702	-0.5566774	-0.4608465	-0.4549755		
## 4	-0.5791469	-0.4858621	-0.1783430	-0.1430350		
## 5	-0.5426021	-0.6154515	-0.5346359	-0.5426892		
## 6	-0.5308298	-0.6668765	-0.5690912	-0.5195656		
##	RP_align.L.ADC	LGRE_align.L.ADC	HGRE_align.L.ADC	LGSRE_align.L.ADC		
## 1	-0.5353171	6.109942e-02	-0.54292539	0.067623844		
## 2	-0.5400544	-3.801424e-02	0.06789313	-0.030420066		
## 3	-0.5598945	2.092792e-01	-1.12656204	0.206135542		
## 4	-0.5840029	2.904285e-02	-0.62025951	0.029459100		
## 5	-0.5370995	-6.973871e-05	-0.53892281	0.007086664		
## 6	-0.5193700	-4.259375e-02	0.35906171	-0.035355162		
##	HGSRE_align.L.ADC	LGHRE_align.L.ADC	HGLRE_align.L.ADC	GLNU_norm_align.L.ADC		
## 1	-0.52408648	0.02829577	-0.6071760	-0.1203279		
## 2	0.06957377	-0.07624384	0.0513619	-0.1128336		
## 3	-1.12804770	0.21305610	-1.1064162	-0.2225712		
## 4	-0.63542049	0.03082241	-0.5596155	-0.1730555		
## 5	-0.53418758	-0.03644930	-0.5476899	-0.2306008		
## 6	0.38423936	-0.07877047	0.2569200	-0.5276951		
##	RLNU_norm_align.L.ADC	GLVAR_align.L.ADC	RLVAR_align.L.ADC	Entropy_align.L.ADC		
## 1	-0.5125345	0.6524756	-0.44582763	-0.5883206		
## 2	-0.5226589	-0.6881227	-0.43730678	-0.6382575		
## 3	-0.5600825	0.6739622	-0.24658490	-0.5106176		
## 4	-0.6053373	-0.7581559	-0.01198974	-0.5812684		
## 5	-0.5127052	-0.5532662	-0.41790827	-0.5837223		
## 6	-0.4824053	0.9801508	-0.61298122	-0.3955007		
##	SZSE.L.ADC	LZSE.L.ADC	LGLZE.L.ADC	HGLZE.L.ADC	SZLGE.L.ADC	SZHGE.L.ADC
## 1	-0.5014454	-0.7450547	0.07253492	-0.52116543	0.087641058	-0.4531762
## 2	-0.5322334	-0.6801099	-0.02713914	0.03776169	-0.008292571	0.0300991
## 3	-0.6485655	-0.2386096	0.20773636	-1.11061311	0.182242275	-1.1424450
## 4	-0.5869649	-0.4695587	0.01990175	-0.63424587	0.014691528	-0.6650952
## 5	-0.5609116	-0.5131342	0.01661218	-0.56442366	0.033678392	-0.5884310
## 6	-0.5031381	-0.7854992	-0.03306038	0.31736403	-0.014621525	0.3350138
##	LZLGE.L.ADC	LZHGE.L.ADC	GLNU_area.L.ADC	ZSNU.L.ADC	ZSP.L.ADC	
## 1	-0.069331476	-0.722525947	-0.6384152	-0.6668395	-0.4462596	
## 2	-0.173528216	-0.081345974	-0.5460429	-0.5690748	-0.4875722	

## 3	0.296453924	-0.948870970	-0.4826914	-0.4871185	-0.6694902
## 4	0.001412627	-0.518685568	-0.1566395	-0.1301000	-0.5806975
## 5	-0.124720269	-0.445679435	-0.5424265	-0.5463444	-0.5542942
## 6	-0.178463851	0.008986928	-0.5719915	-0.5041938	-0.4347400
##	GLNU_norm.L.ADC	ZSNU_norm.L.ADC	GLVAR_area.L.ADC	ZSVAR.L.ADC	
## 1	-0.1479371	-0.4206376	0.6575768	-0.6125949	
## 2	-0.0875094	-0.4944409	-0.6983670	-0.5654684	
## 3	-0.2477384	-0.7518699	0.6482625	-0.0599094	
## 4	-0.1514916	-0.6179428	-0.7672453	-0.3265400	
## 5	-0.2193018	-0.5559436	-0.5238385	-0.3514997	
## 6	-0.5039407	-0.4273670	0.9330886	-0.6811584	
##	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	
##	Entropy_cooc.H.ADC	DAVE_cooc.H.ADC	DVAR_cooc.H.ADC	DENT_cooc.H.ADC	
## 1	-0.5135162	-0.4035709	-0.3457743	-0.5427089	
## 2	-0.5879123	-0.4490907	-0.5347957	-0.5544867	
## 3	-0.5521140	-0.6742298	-0.5346473	-0.6002605	
## 4	-0.5364986	-0.8378865	-0.9205151	-0.6518222	
## 5	-0.5449454	-0.4736239	-0.4721307	-0.5533171	
## 6	-0.5896604	-0.8362281	-0.7161951	-0.6504806	
##	SAVE_cooc.H.ADC	SVAR_cooc.H.ADC	SENT_cooc.H.ADC	ASM_cooc.H.ADC	
## 1	-0.6645724	-0.7020362	-0.4477105	0.1131243	
## 2	-0.3987956	-0.6241406	-0.8491975	0.1057101	
## 3	-0.6192882	-0.2874587	-0.4815200	0.1071929	
## 4	-0.6066727	-0.3859861	-0.5326087	0.1049686	
## 5	-0.5694384	-0.6923536	-0.6034431	0.1053393	
## 6	-0.6234836	-0.2260366	-0.6221580	0.1086758	
##	Contrast_cooc.H.ADC	Dissimilarity_cooc.H.ADC	Inv_diff_cooc.H.ADC		
## 1	-0.2927716		-0.4035709	-0.5126398	
## 2	-0.4138414		-0.4490907	-0.5808371	
## 3	-0.6417886		-0.6742298	-0.2457501	
## 4	-0.9390283		-0.8378865	-0.2186128	
## 5	-0.4160171		-0.4736239	-0.4714618	
## 6	-0.8597653		-0.8362281	-0.1572588	
##	Inv_diff_norm_cooc.H.ADC	IDM_cooc.H.ADC	IDM_norm_cooc.H.ADC		
## 1	-0.5783293	-0.40456384	-0.5739996		
## 2	-0.5733662	-0.54895368	-0.5659544		
## 3	-0.5284852	-0.08509688	-0.5433796		
## 4	-0.5034298	-0.08864455	-0.5199402		
## 5	-0.5669623	-0.37192535	-0.5650898		
## 6	-0.4994273	-0.01644963	-0.5240950		
##	Inv_var_cooc.H.ADC	Correlation_cooc.H.ADC	Autocorrelation_cooc.H.ADC		
## 1	-0.3372000	-0.63608177	-0.7706165		
## 2	-0.5233714	-0.47456466	-0.2722283		
## 3	-0.1120096	-0.05904703	-0.5731530		
## 4	-0.1261824	0.15083503	-0.5416515		
## 5	-0.3945912	-0.52544743	-0.5940408		
## 6	-0.0437701	0.16376241	-0.5453615		
##	Tendency_cooc.H.ADC	Shade_cooc.H.ADC	Prominence_cooc.H.ADC	IC1_d.H.ADC	

##	1	-0.7020362	0.46889817	-0.74536242	-0.86166650		
##	2	-0.6241406	-1.70131741	-0.65856794	0.39133994		
##	3	-0.2874587	1.06718493	-0.06008993	0.32513388		
##	4	-0.3859861	-0.05494861	-0.37044251	0.47315352		
##	5	-0.6923536	-0.73786494	-0.72042827	0.41273734		
##	6	-0.2260366	-0.59074557	-0.18983207	-0.06392116		
##	IC2_d.H.ADC	Coarseness_vdif.H.ADC	Contrast_vdif.H.ADC	Busyness_vdif.H.ADC			
##	1	0.1157107	0.432890709	-0.3950162	-0.6536208		
##	2	-0.4319173	0.039522006	-0.4548965	-0.5597792		
##	3	-0.3774947	-0.040985354	-0.8123096	-0.4779572		
##	4	-0.5048832	-0.118627683	-0.9057013	-0.2214241		
##	5	-0.4502685	-0.003453453	-0.4205023	-0.5253460		
##	6	-0.1380789	0.024050841	-0.8595558	-0.5485642		
##	Complexity_vdif.H.ADC	Strength_vdif.H.ADC	SRE_align.H.ADC	LRE_align.H.ADC			
##	1	-0.3862680	0.6749416	-0.5481444	-0.6114778		
##	2	-0.4645300	-0.1073982	-0.5503490	-0.6055486		
##	3	-0.8080180	-0.2687408	-0.5658265	-0.5257023		
##	4	-0.9119357	-0.4237682	-0.5698948	-0.5249950		
##	5	-0.4395621	-0.1935487	-0.5570991	-0.5768597		
##	6	-0.8775011	-0.1408891	-0.5622128	-0.5591346		
##	GLNU_align.H.ADC	RLNU_align.H.ADC	RP_align.H.ADC	LGRE_align.H.ADC			
##	1	-0.6633318	-0.6673924	-0.5430933	-0.05398431		
##	2	-0.5756171	-0.5768691	-0.5458591	-0.06489495		
##	3	-0.4595511	-0.4614202	-0.5695632	-0.04650273		
##	4	-0.1470269	-0.1457125	-0.5725348	-0.08952181		
##	5	-0.5471152	-0.5488348	-0.5553682	-0.08016984		
##	6	-0.5305406	-0.5323010	-0.5613571	-0.08110504		
##	HGRE_align.H.ADC	LGSRE_align.H.ADC	HGSRE_align.H.ADC	LGHRE_align.H.ADC			
##	1	-0.5745603	-0.03280154	-0.5618821	-0.18267144		
##	2	-0.5854319	-0.04755818	-0.5775831	-0.17825372		
##	3	-0.6087517	-0.02903388	-0.6283839	-0.15292546		
##	4	-0.5810819	-0.09402591	-0.5874477	-0.05779723		
##	5	-0.5828703	-0.06985013	-0.5794468	-0.15204192		
##	6	-0.5771240	-0.08178103	-0.5736937	-0.08695418		
##	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			
##	GLVAR_align.H.ADC	RLVAR_align.H.ADC	Entropy_align.H.ADC	SZSE.H.ADC	LZSE.H.ADC		
##	1	-0.5708740	-0.36484507	-0.6043268	-0.5346854	-0.6981364	
##	2	-0.5719358	-0.34004504	-0.5926918	-0.5422640	-0.6958561	
##	3	-0.5977942	0.12336936	-0.5713589	-0.6095598	0.1545871	
##	4	-0.5819026	0.05502511	-0.5597051	-0.5735377	0.5155250	
##	5	-0.5722561	-0.19845421	-0.5843242	-0.5572108	-0.5454259	
##	6	-0.5843167	-0.12722623	-0.5780064	-0.5901219	-0.4498940	
##	LGLZE.H.ADC	HGLZE.H.ADC	SZLGE.H.ADC	SZHGE.H.ADC	LZLGE.H.ADC	LZHGE.H.ADC	
##	1	0.0666177435	-0.5767674	0.155938519	-0.5473062	-0.5353574	-0.6768543
##	2	0.0001856309	-0.5725235	0.041762582	-0.5478138	-0.4547178	-0.7175082
##	3	-0.0501129685	-0.6777485	-0.064694419	-0.7376807	-0.1269569	0.9150997
##	4	-0.0861761153	-0.5757788	-0.097821522	-0.5824360	-0.2065126	-0.5488053
##	5	-0.0453678176	-0.6186968	0.006384122	-0.6369542	-0.2160507	-0.4799949

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## 6 -0.1643129334 -0.5594243 -0.157321658 -0.5874992 0.2944499 -0.5599065
## GLNU_area.H.ADC ZSNU.H.ADC ZSP.H.ADC GLNU_norm.H.ADC ZSNU_norm.H.ADC
## 1 -0.6642705 -0.6725977 -0.5168683 -0.03152093 -0.4954016
## 2 -0.5751688 -0.5778406 -0.5216097 -0.04041668 -0.5166242
## 3 -0.4667660 -0.4846950 -0.6662111 -0.03316829 -0.6745847
## 4 -0.1441447 -0.1388711 -0.5778396 -0.04239351 -0.5900432
## 5 -0.5478389 -0.5519269 -0.5613757 -0.03876932 -0.5486951
## 6 -0.5333562 -0.5436026 -0.5982111 -0.03975773 -0.6317154
## GLVAR_area.H.ADC ZSVAR.H.ADC Entropy_area.H.ADC Max_cooc.W.ADC
## 1 -0.5622214 -0.64742792 -0.6439049 0.19349133
## 2 -0.5370231 -0.67651322 -0.6007301 0.08644844
## 3 -0.6936563 2.35951019 -0.5334676 0.08425643
## 4 -0.5806360 -0.24612217 -0.5508851 0.05722171
## 5 -0.5619809 -0.24897717 -0.5892300 0.07658442
## 6 -0.6210024 -0.09837599 -0.5535874 0.07220041
## Average_cooc.W.ADC Variance_cooc.W.ADC DAVE_cooc.W.ADC DVAR_cooc.W.ADC
## 1 -0.84300136 -0.0154161 -0.13255040 0.61946231
## 2 0.11675254 -0.3782130 -0.33716774 -0.33068080
## 3 -0.93506685 1.3339103 0.14095967 1.55899175
## 4 0.09734604 0.2202409 -0.17910738 -0.03977472
## 5 -0.19741735 -0.1038016 -0.04782845 -0.05742292
## 6 0.33324944 2.4174995 0.83171075 1.81350274
## DENT_cooc.W.ADC SAVE_cooc.W.ADC SVAR_cooc.W.ADC SENT_cooc.W.ADC
## 1 -0.4834815 -0.8470091 -0.1239002 -0.2297138
## 2 -0.5288387 0.1400958 -0.3998223 -1.1487708
## 3 -0.4091896 -0.9416984 1.3894965 0.1752058
## 4 -0.4771018 0.1201363 0.2845655 -0.0319484
## 5 -0.4533533 -0.1830273 -0.1595859 -0.1411365
## 6 -0.2720697 0.3627625 2.5166759 -0.7842625
## ASM_cooc.W.ADC Contrast_cooc.W.ADC Dissimilarity_cooc.W.ADC
## 1 0.12046668 0.33932322 -0.13255040
## 2 0.10453142 -0.27039311 -0.33716774
## 3 0.10267849 1.02076598 0.14095967
## 4 0.09897261 -0.01102572 -0.17910738
## 5 0.10193731 0.08810514 -0.04782845
## 6 0.09934320 1.85507756 0.83171075
## Inv_diff_cooc.W.ADC Inv_diff_norm_cooc.W.ADC IDM_cooc.W.ADC
## 1 -0.1553491 -0.6079427 -0.03349743
## 2 -0.4606680 -0.5438010 -0.49096209
## 3 -0.3883356 -0.5742573 -0.37454564
## 4 -0.4560997 -0.5109719 -0.44995630
## 5 -0.5316046 -0.5551029 -0.51956613
## 6 -0.7241103 -0.6098508 -0.69179048
## IDM_norm_cooc.W.ADC Inv_var_cooc.W.ADC Correlation_cooc.W.ADC
## 1 -0.5973520 -0.04727434 -0.70519175
## 2 -0.5502015 -0.51116122 -0.51902018
## 3 -0.5799243 -0.34876260 0.09406992
## 4 -0.5392978 -0.47829938 0.05818005
## 5 -0.5542619 -0.57573855 -0.52509677
## 6 -0.5872923 -0.70852330 0.19000410
## Autocorrelation_cooc.W.ADC Tendency_cooc.W.ADC Shade_cooc.W.ADC
## 1 -0.82825568 -0.1239002 0.748492311
## 2 0.40596504 -0.3998223 -0.849230344
## 3 -0.81538896 1.3894965 5.445020127

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## 4	0.41742441	0.2845655	-0.006023108			
## 5	-0.06977856	-0.1595859	-0.210118336			
## 6	0.94845945	2.5166759	-1.349842393			
## Prominence_cooc.W.ADC IC1_d.W.ADC IC2_d.W.ADC Coarseness_vdif.W.ADC						
## 1	-0.11542708	-0.903263171	-0.1907350	0.27382766		
## 2	-0.35816223	0.001800882	-0.3183774	0.07761691		
## 3	3.59414354	-0.093125575	-0.2756556	-0.04800583		
## 4	0.08908301	0.541318048	-0.4760088	-0.10722798		
## 5	-0.22271379	-0.075272999	-0.2837085	0.02976063		
## 6	2.39969624	-1.208111301	-0.1245345	0.01689925		
## Contrast_vdif.W.ADC Busyness_vdif.W.ADC Complexity_vdif.W.ADC						
## 1	2.05493666	-0.3772693	-0.6073412			
## 2	-0.14928773	-0.5719455	-0.4755028			
## 3	0.18526528	-0.1397398	0.4134439			
## 4	-0.40258421	-0.3596382	0.1805608			
## 5	0.00417449	-0.5038700	-0.2096065			
## 6	0.99857484	-0.5979023	0.7943650			
## Strength_vdif.W.ADC SRE_align.W.ADC LRE_align.W.ADC GLNU_align.W.ADC						
## 1	1.4669901	-0.5607394	-0.5636282	-0.6918875		
## 2	0.3446350	-0.5544960	-0.5851724	-0.6123816		
## 3	1.4197272	-0.5563057	-0.5759453	-0.5149668		
## 4	-0.3174056	-0.5581606	-0.5711293	-0.3228389		
## 5	0.3114865	-0.5550163	-0.5809744	-0.6154673		
## 6	1.3787764	-0.5492932	-0.6052889	-0.6590509		
## RLNU_align.W.ADC RP_align.W.ADC LGRE_align.W.ADC HGRE_align.W.ADC						
## 1	-0.6585680	-0.5598492	0.102514356	-0.72391839		
## 2	-0.5705684	-0.5523782	0.011942997	0.31043574		
## 3	-0.4530326	-0.5552168	0.016044342	-0.74102269		
## 4	-0.1392104	-0.5572378	0.066969370	0.48049736		
## 5	-0.5417353	-0.5534228	0.005790981	-0.02339079		
## 6	-0.5222697	-0.5454068	-0.003095266	1.12446188		
## LGSRE_align.W.ADC HGSRE_align.W.ADC LGHRE_align.W.ADC HGLRE_align.W.ADC						
## 1	0.10748791	-0.72254855	0.077168309	-0.72942321		
## 2	0.01660389	0.31244050	-0.012162463	0.30239721		
## 3	0.02037644	-0.73855319	-0.006809308	-0.74942271		
## 4	0.06598993	0.48251611	0.075830020	0.47104532		
## 5	0.01043064	-0.02076085	-0.018184762	-0.03187296		
## 6	0.00117076	1.13430855	-0.026883639	1.08473714		
## GLNU_norm_align.W.ADC RLNU_norm_align.W.ADC GLVAR_align.W.ADC						
## 1	0.11990386	-0.5601024	0.0390388995			
## 2	-0.03442756	-0.5440640	-0.3518347261			
## 3	-0.08728526	-0.5487189	1.0925597603			
## 4	-0.16167757	-0.5538576	0.2872015907			
## 5	-0.11012500	-0.5451701	-0.0005432957			
## 6	-0.22269232	-0.5301456	2.1850902501			
## RLVAR_align.W.ADC Entropy_align.W.ADC SZSE.W.ADC LZSE.W.ADC LGLZE.W.ADC						
## 1	-0.07189017	-0.4489178	-0.5288302	-0.6847176	0.113374483	
## 2	-0.16482743	-0.5433374	-0.5737026	-0.6013426	0.022597678	
## 3	-0.10788699	-0.5008749	-0.5217499	-0.4855176	0.026380045	
## 4	-0.09381551	-0.3577119	-0.5381157	-0.6310472	0.053200465	
## 5	-0.13472099	-0.4469533	-0.5472388	-0.5737353	0.016064499	
## 6	-0.26889098	-0.2581106	-0.5320105	-0.6652514	0.006780508	
## HGLZE.W.ADC SZLGE.W.ADC SZHGE.W.ADC LZLGE.W.ADC LZHGE.W.ADC GLNU_area.W.ADC						
## 1	-0.71989596	0.12431381	-0.70418503	0.01531010	-0.78023810	-0.6914700

```
## 2  0.30739854  0.03294163  0.30621407 -0.06733775  0.29762888      -0.6100327
## 3 -0.74098507  0.03571049 -0.74294693 -0.05805147 -0.72852195      -0.5190294
## 4  0.47987855  0.04436315  0.49296111  0.07659951  0.42004184      -0.3130419
## 5 -0.03008663  0.02636560 -0.02934976 -0.07290951 -0.01111977      -0.6144844
## 6  1.11776106  0.01667461  1.13227954 -0.08157670  1.02554608      -0.6568667
##   ZSNU.W.ADC  ZSP.W.ADC  GLNU_norm.W.ADC  ZSNU_norm.W.ADC  GLVAR_area.W.ADC
## 1 -0.6513787 -0.5068231    0.07698041    -0.4888097    0.040207659
## 2 -0.5660417 -0.5606797    -0.06244984    -0.5444800    -0.353463617
## 3 -0.4563908 -0.5221702    0.26861743    -0.5868989    1.070427270
## 4 -0.1207423 -0.5237049    -0.18723674    -0.5112910    0.284745010
## 5 -0.5366044 -0.5410354    0.27657578    -0.5328275    0.002215947
## 6 -0.5137505 -0.5128675    -0.24612851    -0.4964165    2.154394753
##   ZSVAR.W.ADC  Entropy_area.W.ADC
## 1 -0.70463402    -0.7414506
## 2 -0.42606449    -0.5771180
## 3  0.09854219    -0.4508095
## 4 -0.48028511    -0.4046157
## 5 -0.23584790    -0.4859857
## 6 -0.62125871    -0.3202609
```

```
#df$Failure.binary
```

```
library(keras)
library(caret)
Train_Labels=df_train[,c(1)]
Test_Labels=df_test[,c(1)]
head(Train_Labels)
```

```
## [1] 0 0 1 1 0 0
## Levels: 0 1
```

```
head(Test_Labels)
```

```
## [1] 0 1 0 1 1 0
## Levels: 0 1
```

```
to_categorical(Train_Labels,num_classes = 2)-> Train_Labels
```

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

```
to_categorical(Test_Labels,num_classes = 2)-> Test_Labels
```

```
Train_Features <- data.matrix(df_train[, -c(1)])
Test_Features <- data.matrix(df_test[, -c(1)])
```

```
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
dim(Train_Features)
```

```
## [1] 157 429
```

```
dim(Test_Features)
```

```
## [1] 40 429
```

```
dim(Train_Labels)
```

```
## [1] 157 2
```

```
dim(Test_Labels)
```

```
## [1] 40 2
```

```
head(Train_Labels)
```

```
##      [,1] [,2]  
## [1,]    1    0  
## [2,]    1    0  
## [3,]    0    1  
## [4,]    0    1  
## [5,]    1    0  
## [6,]    1    0
```

```
head(Test_Labels)
```

```
##      [,1] [,2]  
## [1,]    1    0  
## [2,]    0    1  
## [3,]    1    0  
## [4,]    0    1  
## [5,]    0    1  
## [6,]    1    0
```

```
model <- keras_model_sequential()
```

```
model %>%  
  layer_dense(units=256,activation = "sigmoid",input_shape = ncol(Train_Features)) %>%  
  layer_dropout(rate = 0.3) %>%  
  layer_dense(units = 128, activation = "sigmoid") %>%  
  layer_dropout(rate = 0.3) %>%  
  layer_dense(units = 128, activation = "sigmoid") %>%  
  layer_dropout(rate = 0.3) %>%  
  layer_dense(units = 64, activation = "sigmoid") %>%  
  layer_dropout(rate = 0.3) %>%  
  layer_dense(units = 64, activation = "sigmoid") %>%  
  layer_dropout(rate = 0.3) %>%  
  layer_dense(units = 2, activation = "softmax")  
  
summary(model)
```

```
## Model: "sequential"
```

```
## -----  
## Layer (type)                Output Shape                Param #  
## =====  
## dense_5 (Dense)              (None, 256)                 110080  
## dropout_4 (Dropout)          (None, 256)                 0  
## dense_4 (Dense)              (None, 128)                 32896  
## dropout_3 (Dropout)          (None, 128)                 0  
## dense_3 (Dense)              (None, 128)                 16512  
## dropout_2 (Dropout)          (None, 128)                 0  
## dense_2 (Dense)              (None, 64)                  8256  
## dropout_1 (Dropout)          (None, 64)                  0  
## dense_1 (Dense)              (None, 64)                  4160  
## dropout (Dropout)            (None, 64)                  0  
## dense (Dense)                (None, 2)                   130  
## =====  
## Total params: 172,034  
## Trainable params: 172,034  
## Non-trainable params: 0  
## -----
```

```
model %>% compile(  
  loss = 'categorical_crossentropy',  
  optimizer = optimizer_rmsprop(),  
  metrics = c('accuracy')  
)
```

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

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

```
##      loss  accuracy  
## 0.6600378 0.6500000
```

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

```
## tf.Tensor(  
## [0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
##  0 0 0], shape=(40), dtype=int64)
```