

**Supplementary Table 2:** p-value of the significant features extracted using ANOVA

<b>Feature No.</b>	<b>Feature Name</b>	<b>p</b>
1	<b>Firstorder 10 Percentile</b>	0.045053
2	<b>Firstorder 90 Percentile</b>	1.73E-05
3	<b>Firstorder Entropy</b>	0.00967319
4	<b>Firstorder Interquartile Range</b>	0.00146048
5	<b>Firstorder Maximum</b>	1.06E-10
6	<b>Firstorder Mean</b>	0.01466991
7	<b>Firstorder Mean Absolute Deviation</b>	0.00119999
8	<b>Firstorder Minimum</b>	0.02584477
9	<b>Firstorder Range</b>	5.79E-08
10	<b>Firstorder Robust Mean Absolute Deviation</b>	0.00123508
11	<b>Firstorder Root Mean Squared</b>	0.00452603
12	<b>Firstorder Skewness</b>	1.06E-10
13	<b>Firstorder Variance</b>	0.00027519
14	<b>GLCM Cluster Prominence</b>	0.00019394
15	<b>GLCM Cluster Shade</b>	1.23E-09
16	<b>GLCM Cluster Tendency</b>	0.00029227
17	<b>GLCM Contrast</b>	5.41E-10
18	<b>GLCM Correlation</b>	1.24E-05
19	<b>GLCM Difference Average</b>	1.55E-10
20	<b>GLCM Difference Entropy</b>	1.07E-10
21	<b>GLCM Difference Variance</b>	1.11E-10
22	<b>GLCM Id</b>	1.36E-10
23	<b>GLCM Idm</b>	1.43E-10
24	<b>GLCM Idmn</b>	5.58E-07
25	<b>GLCM Idn</b>	4.70E-10
26	<b>GLCM Imc1</b>	1.73E-10
27	<b>GLCM Imc2</b>	0.00092835
28	<b>GLCM Inverse Variance</b>	1.24E-10
29	<b>GLCM Joint Energy</b>	0.00063385
30	<b>GLCM Joint Entropy</b>	3.64E-07
31	<b>GLCM Maximum Probability</b>	0.00496733
32	<b>GLCM Sum Entropy</b>	8.69E-06
33	<b>GLCM Sum Squares</b>	0.00018272
34	<b>GLDM Dependence Entropy</b>	2.14E-08
35	<b>GLDM Dependence Non Uniformity Normalized</b>	2.95E-10
36	<b>GLDM Dependence Variance</b>	0.00193179
37	<b>GLDM Gray Level Variance</b>	0.0002227
38	<b>GLDM Large Dependence Emphasis</b>	1.16E-09
39	<b>GLDM Low Gray Level Emphasis</b>	0.02110404
40	<b>GLDM Small Dependence Emphasis</b>	0.00349533
41	<b>GLDM Small Dependence High Gray Level Emphasis</b>	0.0017444
42	<b>GLRLM Gray Level Variance</b>	0.00084841
43	<b>GLRLM High Gray Level Run Emphasis</b>	0.00143554
44	<b>GLRLM Long Run Emphasis</b>	3.97E-06

45	<b>GLRLM Long Run High Gray Level Emphasis</b>	8.93E-06
46	<b>GLRLM Low Gray Level Run Emphasis</b>	0.00189904
47	<b>GLRLM Run Percentage</b>	6.57E-09
48	<b>GLRLM Run Variance</b>	1.84E-06
49	<b>GLRLM Short Run Emphasis</b>	5.90E-06
50	<b>GLRLM Short Run High Gray Level Emphasis</b>	0.00071359
51	<b>GLRLM Short Run Low Gray Level Emphasis</b>	1.06E-10
52	<b>GLSZM Gray Level Non Uniformity Normalized</b>	1.25E-10
53	<b>GLSZM Gray Level Variance</b>	6.25E-09
54	<b>GLSZM High Gray Level Zone Emphasis</b>	0.00035915
55	<b>GLSZM Large Area Emphasis</b>	0.00239442
56	<b>GLSZM Large Area High Gray Level Emphasis</b>	0.01690471
57	<b>GLSZM Large Area Low Gray Level Emphasis</b>	0.00048366
58	<b>GLSZM Low Gray Level Zone Emphasis</b>	1.23E-05
59	<b>GLSZM Size Zone Non Uniformity Normalized</b>	1.06E-10
60	<b>GLSZM Small Area Emphasis</b>	1.06E-10
61	<b>GLSZM SmallAreaLowGrayLevelEmphasis</b>	1.06E-10
62	<b>GLSZM Zone Entropy</b>	1.06E-10
63	<b>GLSZM Zone Percentage</b>	0.02236129
64	<b>GLSZM Zone Variance</b>	0.00243722
65	<b>NGTDM Coarseness</b>	4.01E-06
66	<b>NGTDM Complexity</b>	3.41E-08
67	<b>NGTDM Contrast</b>	9.77E-09
68	<b>NGTDM Strength</b>	1.45E-10
69	<b>Shape2D Elongation</b>	1.23E-07
70	<b>Shape2D Perimeter</b>	1.30E-10
71	<b>Shape2D Sphericity</b>	1.06E-10



