

Table S1: Occurrence rate of RFs ($\geq 10\%$) generated out of 100 LASSO-Cox models using the training datasets

<i>Feature Name</i>	<i>Occurence Rate (%)</i>
Intensity histogram quartile coefficient of dispersion	85
Area density enclosing ellipsoid	63
Normalised zone distance non uniformity	49
Min value	47
Cluster shade	46
Volume density aligned bounding box	44
Large distance high grey level emphasis	38
Volume at intensity fraction 90	38
Volume density enclosing ellipsoid	37
Intensity based interquartile range	36
Volume density convex hull	27
Area density aligned bounding box	21
Coarseness	19
Quartile coefficient of dispersion	19
Normalized dependence count non uniformity	17
Maximum 3D diameter cm	15
Inverse variance	14
Normalised grey level non uniformity GLDZM	14
Normalised grey level non uniformity GLSZM	14
Difference variance	13
Flatness	12
Intensity histogram mode	12
Local intensity peak	12
Zone distance entropy	11
Maximum histogram gradient intensity	10