

Supplementary Table 1 Quantitative image features

Quantitative image features	Quantitative image features
Texture_SumAverage_Hematoxylin_3_00_256	Texture_Contrast_Eosin_3_01_256
Texture_SumAverage_Hematoxylin_3_01_256	Texture_Contrast_Eosin_3_02_256
Texture_SumAverage_Hematoxylin_3_02_256	Texture_Contrast_Eosin_3_03_256
Texture_SumAverage_Hematoxylin_3_03_256	Texture_SumVariance_Eosin_3_00_256
Texture_SumVariance_Hematoxylin_3_00_256	6
Texture_SumVariance_Hematoxylin_3_01_256	Texture_SumVariance_Eosin_3_01_256
Texture_SumVariance_Hematoxylin_3_01_256	6
Texture_SumVariance_Hematoxylin_3_02_256	Texture_SumVariance_Eosin_3_02_256
Texture_SumVariance_Hematoxylin_3_02_256	6
Texture_SumVariance_Hematoxylin_3_03_256	Texture_SumVariance_Eosin_3_03_256
Texture_SumVariance_Hematoxylin_3_03_256	6
Texture_Contrast_Hematoxylin_3_00_256	Texture_Variance_Eosin_3_00_256
Texture_Contrast_Hematoxylin_3_01_256	Texture_Variance_Eosin_3_01_256
Texture_Contrast_Hematoxylin_3_02_256	Texture_Variance_Eosin_3_02_256
Texture_Contrast_Hematoxylin_3_03_256	Texture_Variance_Eosin_3_03_256
Texture_Variance_Hematoxylin_3_00_256	Intensity_IntegratedIntensityEdge_Hematoxylin
Texture_Variance_Hematoxylin_3_01_256	Intensity_IntegratedIntensity_Hematoxylin
Texture_Variance_Hematoxylin_3_01_256	AreaShape_MaxFerretDiameter

Quantitative image features	Quantitative image features
Texture_Variance_Hematoxylin_3_02_256	AreaShape_MajorAxisLength
Texture_Contrast_Eosin_3_00_256	-

Quantitative image features of CRC with high *vs.* low Ki-67 expression. Quantitative image features were extracted from each image using CellProfiler software, including AreaShape, Intensity, Location, RadialDistribution, and Texture. A total of 31 features were ultimately included for model construction.