

Factors	HR(Multivariate)–RFS	P value	significance
distal_Stroma	0.996	0.471	
distal_Necrosis	1.011	0.095	
distal_Lymphocyte	0.971	0.108	
distal_Normal_hepatic	0.998	0.401	
distal_Mucus	1.002	0.797	
distal_CH_score	0.999	0.570	
distal_SDI	0.658	0.211	
infiltrating_Stroma	1.000	0.956	
infiltrating_Necrosis	1.017	0.061	
infiltrating_Lymphocyte	0.987	0.571	
infiltrating_Normal_hepatic	1.003	0.552	
infiltrating_Mucus	0.976	0.287	
infiltrating_CH_score	1.000	0.992	
infiltrating_SDI	1.046	0.854	
tumor_proximal_stroma_interaction	0.803	0.130	
tumor_proximal_Necrosis_interaction	1.096	0.550	
tumor_proximal_Lymphocyte_interaction	0.846	0.398	
tumor_proximal_Normal_hepatic_interaction	1.515	0.084	
tumor_proximal_Mucus_interaction	0.982	0.930	
overall_Stroma	0.997	0.521	
overall_Necrosis	1.010	0.030	*
overall_Lymphocyte	0.979	0.119	
overall_Normal_hepatic	0.999	0.667	
overall_Mucus	0.999	0.845	
overall_CH_score	1.000	0.808	
overall_SDI	1.167	0.535	