

Factors	HR(Multivariate)–RFS	P value	significance
distal_Stroma	1.017	0.835	
distal_Necrosis	1.053	0.515	
distal_Lymphocyte	0.937	0.396	
distal_Normal_hepatic	1.091	0.305	
distal_Mucus	0.967	0.665	
distal_CH_score	0.886	0.133	
distal_SDI	0.874	0.087	
infiltrating_Stroma	0.848	0.044	*
infiltrating_Necrosis	1.072	0.401	
infiltrating_Lymphocyte	0.947	0.498	
infiltrating_Normal_hepatic	1.168	0.058	
infiltrating_Mucus	0.827	0.018	*
infiltrating_CH_score	1.063	0.449	
infiltrating_SDI	1.039	0.623	
tumor_proximal_stroma_interaction	0.876	0.094	
tumor_proximal_Necrosis_interaction	0.908	0.246	
tumor_proximal_Lymphocyte_interaction	1.035	0.667	
tumor_proximal_Normal_hepatic_interaction	1.149	0.079	
tumor_proximal_Mucus_interaction	1.122	0.141	
overall_Stroma	0.937	0.434	
overall_Necrosis	1.003	0.970	
overall_Lymphocyte	0.885	0.117	
overall_Normal_hepatic	1.105	0.225	
overall_Mucus	0.948	0.491	
overall_CH_score	1.095	0.254	
overall_SDI	1.043	0.594	