

**Additional file 3.** Univariable Cox regression analyses for subgroups for disease-specific survival in colorectal cancer patients.

	High MMP-8			High MMP-9			High TIMP-1		
	HR	95% CI	P-value	HR	95% CI	P-value	HR	95% CI	P-value
Location									
Colon	2.00	1.10-3.64	0.023	1.84	1.00-3.38	0.050	1.78	0.99-3.19	0.052
Rectum	1.62	0.97-2.70	0.065	0.49	0.28-0.85	0.011	1.95	1.17-3.26	0.011
Side									
Right	1.92	0.79-4.62	0.148	1.67	0.72-3.91	0.235	1.83	0.78-4.28	0.166
Left	1.80	1.17-2.77	0.007	0.76	0.49-1.16	0.203	1.95	1.27-3.00	0.002
CRP level									
<30	1.66	1.10-2.53	0.017	0.79	0.52-1.20	0.267	1.59	1.05-2.42	0.029
>=30	1.60	0.58-4.44	0.369	1.77	0.72-4.37	0.216	2.92	0.96-8.82	0.058

Abbreviations: MMP = matrix metalloproteinase, TIMP-1 = tissue inhibitor of matrix metalloproteinases, CRP = C-reactive protein, HR = hazard ratio, CI = confidence interval