

Table SI. Univariate analysis and multivariate analysis of overall survival of bladder cancer in The Cancer Genome Atlas database.

Characteristic	Univariate analysis		Multivariate analysis	
	HR (95% CI)	P-value	HR (95% CI)	P-value
P4HB level, high vs. low	1.584 (1.153-2.176)	0.005 <sup>a</sup>	1.804 (1.219-2.669)	0.003 <sup>a</sup>
Sex, male vs. female	0.872 (0.621-1.224)	0.427		
Age at initial diagnosis, ≥70 vs. <70 years	1.568 (1.144-2.149)	0.005 <sup>a</sup>	1.540 (1.052-2.254)	0.026 <sup>a</sup>
Pathological T, T3 + T4 vs. T1 + T2	1.929 (1.308-2.846)	0.001 <sup>a</sup>		
Pathological N, N1-3 vs. N0	2.257 (1.650-3.087)	<0.001 <sup>a</sup>	1.726 (1.074-2.772)	0.024 <sup>a</sup>
Histological grade, high vs. low	4.433 (0.618-31.786)	0.138		
Lymphovascular invasion present, yes vs. no	2.347 (1.570-3.508)	<0.001 <sup>a</sup>	1.619 (1.039-2.522)	0.033 <sup>a</sup>
Diagnosis subtype, papillary vs. non papillary	0.660 (0.451-0.966)	0.033 <sup>a</sup>		

<sup>a</sup>P<0.05. HR, hazard ratio; CI, confidence interval.

Table SII. Univariate analysis and multivariate analysis recurrence-free survival of bladder cancer in The Cancer Genome Atlas database.

Characteristic	Univariate analysis		Multivariate analysis	
	HR (95% CI)	P-value	HR (95% CI)	P-value
P4HB level, high vs. low	1.574 (1.129-2.194)	0.008 <sup>a</sup>	1.712 (1.153-2.544)	0.008 <sup>a</sup>
Sex, male vs. female	0.906 (0.630-1.303)	0.594		
Age at initial diagnosis, ≥70 vs. <70	1.111 (0.799-1.544)	0.531		
Pathological T, T3 + T4 vs. T1 + T2	2.307 (1.516-3.510)	<0.001 <sup>a</sup>		
Pathological N, N1-3 vs. N0	2.999 (2.154-4.176)	<0.001 <sup>a</sup>	2.595 (1.756-3.833)	<0.001 <sup>a</sup>
Histological grade, high vs. low	5.710 (0.797-40.895)	0.083		
Lymphovascular invasion present, yes vs. no	2.400 (1.598-3.606)	<0.001 <sup>a</sup>		
Diagnosis subtype, papillary vs. non papillary	0.676 (0.456-1.003)	0.052		

<sup>a</sup>P<0.05. HR, hazard ratio; CI, confidence interval.