

Characteristics	Total(N)	Univariate analysis		Multivariate analysis	
		Hazard ratio (95% CI)	P value	Hazard ratio (95% CI)	P value
Pathologic T stage	77				
T1	9	Reference		Reference	
T2	42	2.444 (0.305 - 19.596)	0.400	3.165 (0.387 - 25.906)	0.283

Characteristics	Total(N)	Univariate analysis		Multivariate analysis	
		Hazard ratio (95% CI)	P value	Hazard ratio (95% CI)	P value
T3	8	12.439 (1.300 - 118.988)	0.029	11.741 (1.199 - 114.944)	0.034
T4	18	30.506 (3.595 - 258.857)	0.002	31.572 (3.613 - 275.899)	0.002
Pathologic N stage	77				
N0	68	Reference			
N1	9	2.038 (0.769 - 5.400)	0.152		
SLIT2	79				
Low	39	Reference		Reference	
High	40	3.087 (1.351 - 7.055)	0.008	2.676 (1.075 - 6.659)	0.034
Age	79				
<= 50	41	Reference			
> 50	38	1.799 (0.846 - 3.824)	0.127		
Gender	79				
Female	48	Reference			
Male	31	1.001 (0.469 - 2.137)	0.999		

Table S2. Univariate and multivariate Cox regression analysis for OS in BLCA.

Characteristics	Total(N)	Univariate analysis		Multivariate analysis	
		Hazard ratio (95% CI)	P value	Hazard ratio (95% CI)	P value
Pathologic T stage	377				
T1&T2	123	Reference		Reference	
T3	195	1.970 (1.339 - 2.899)	< 0.001	1.461 (0.948 - 2.251)	0.086

Characteristics	Total(N)	Univariate analysis		Multivariate analysis	
		Hazard ratio (95% CI)	P value	Hazard ratio (95% CI)	P value
T4	59	2.987 (1.860 - 4.797)	< 0.001	1.983 (1.169 - 3.366)	0.011
Pathologic N stage	367				
N0	238	Reference		Reference	
N1	46	1.844 (1.189 - 2.857)	0.006	1.692 (1.085 - 2.639)	0.020
N2&N3	83	2.527 (1.786 - 3.576)	< 0.001	2.037 (1.401 - 2.963)	< 0.001
SLIT2	411				
Low	206	Reference		Reference	
High	205	1.495 (1.111 - 2.012)	0.008	1.293 (0.918 - 1.821)	0.141
Age	411				
<= 70	231	Reference		Reference	
> 70	180	1.424 (1.064 - 1.906)	0.018	1.471 (1.068 - 2.025)	0.018
Gender	411				
Female	108	Reference			
Male	303	0.868 (0.629 - 1.198)	0.390		

Table S3. Univariate and multivariate Cox regression analysis for OS in COAD.

Characteristics	Total(N)	Univariate analysis		Multivariate analysis	
		Hazard ratio (95% CI)	P value	Hazard ratio (95% CI)	P value
Pathologic T stage	476				

Characteristics	Total(N)	Univariate analysis		Multivariate analysis	
		Hazard ratio (95% CI)	P value	Hazard ratio (95% CI)	P value
T1&T2	94	Reference		Reference	
T3	322	2.576 (1.183 - 5.612)	0.017	1.754 (0.784 - 3.925)	0.171
T4	60	7.021 (2.993 - 16.473)	< 0.001	4.610 (1.895 - 11.219)	< 0.001
Pathologic N stage	477				
N0	283	Reference		Reference	
N1	108	1.681 (1.019 - 2.771)	0.042	1.598 (0.949 - 2.689)	0.078
N2	86	4.051 (2.593 - 6.329)	< 0.001	3.544 (2.219 - 5.659)	< 0.001
SLIT2	477				
Low	238	Reference			
High	239	1.178 (0.799 - 1.735)	0.408		
Age	477				
<= 65	194	Reference		Reference	
> 65	283	1.610 (1.052 - 2.463)	0.028	1.839 (1.193 - 2.837)	0.006
Gender	477				
Female	226	Reference			
Male	251	1.101 (0.746 - 1.625)	0.627		

Table S4. Univariate and multivariate Cox regression analysis for OS in LAML.

Characteristics	Total(N)	Univariate analysis	Multivariate analysis
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CS		Hazard ratio (95% CI)		P value	Hazard ratio (95% CI)		P value
Gender	139						
Female	62	Reference		0.912			
Male	77	1.024 (0.671 - 1.564)					
Race	138						
Asian&Black or African American	11	Reference		0.693			
White	127	1.200 (0.485 - 2.966)					
SLIT2	139						
Low	67	Reference		0.003	Reference		0.001
High	72	0.525 (0.343 - 0.806)			0.484 (0.314 - 0.746)		
Age	139						
<= 60	78	Reference		< 0.001	Reference		< 0.001
> 60	61	3.321 (2.156 - 5.116)			3.496 (2.262 - 5.403)		

Table S5. Univariate and multivariate Cox regression analysis for OS in LUSC.

Characteristics	Total(N)	Univariate analysis		Multivariate analysis	
		Hazard ratio (95% CI)	P value	Hazard ratio (95% CI)	P value
Pathologic T stage	496				
T1	114	Reference		Reference	
T2	289	1.237 (0.872 - 1.753)		1.167 (0.822 - 1.656)	
T3&T4	93	1.931 (1.277 - 2.920)		1.892 (1.250 - 2.865)	

Characteristics	Total(N)	Univariate analysis		Multivariate analysis	
		Hazard ratio (95% CI)	P value	Hazard ratio (95% CI)	P value
Pathologic N stage	490				
N0	317	Reference			
N1	128	1.076 (0.786 - 1.473)	0.647		
N2&N3	45	1.383 (0.887 - 2.158)	0.152		
SLIT2	496				
Low	247	Reference		Reference	
High	249	1.280 (0.975 - 1.681)	0.075	1.292 (0.983 - 1.699)	0.067
Gender	496				
Female	130	Reference			
Male	366	1.211 (0.879 - 1.669)	0.241		
Age	490				
<= 65	190	Reference		Reference	
> 65	300	1.279 (0.960 - 1.704)	0.093	1.295 (0.971 - 1.727)	0.078

Table S6. Univariate and multivariate Cox regression analysis for OS in OV.

Characteristics	Total(N)	Univariate analysis		Multivariate analysis	
		Hazard ratio (95% CI)	P value	Hazard ratio (95% CI)	P value
Race	366				
White	329	Reference		Reference	
Asian&Black or African American	37	1.552 (0.986 - 2.444)	0.058	1.535 (0.973 - 2.422)	0.065

Characteristics	Total(N)	Univariate analysis		Multivariate analysis	
		Hazard ratio (95% CI)	P value	Hazard ratio (95% CI)	P value
Age	379				
<= 60	207	Reference		Reference	
> 60	172	1.352 (1.045 - 1.749)	0.022	1.386 (1.068 - 1.800)	0.014
SLIT2	379				
Low	188	Reference		Reference	
High	191	1.303 (1.006 - 1.687)	0.045	1.214 (0.933 - 1.580)	0.148

Table S7. Univariate and multivariate Cox regression analysis for OS in SARC.

Characteristics	Total(N)	Univariate analysis		Multivariate analysis	
		Hazard ratio (95% CI)	P value	Hazard ratio (95% CI)	P value
Gender	263				
Female	144	Reference			
Male	119	0.905 (0.607 - 1.349)	0.623		
Race	254				
Asian&Black or African American	24	Reference			
White	230	0.725 (0.350 - 1.501)	0.386		
SLIT2	263				
Low	131	Reference		Reference	
High	132	1.583 (1.062 - 2.361)	0.024	1.583 (1.062 - 2.361)	0.024
Age	263				

Characteristics	Total(N)	Univariate analysis		Multivariate analysis	
		Hazard ratio (95% CI)	P value	Hazard ratio (95% CI)	P value
<= 60	130	Reference			
> 60	133	1.285 (0.864 - 1.911)	0.216		

Table S8. The 100 SLIT2-related genes obtained from GEPIA2

ABL1
 AC000403.4
 ADGRA2
 AKAP2
 AP000322.53
 ARHGAP18
 ARMCX2
 ATP6AP2
 ATP6V0A4
 ATP6V0D2
 ATP6V1A
 ATP6V1G3
 AVPR1A
 BSND
 C11orf95
 C14orf37
 CDH11
 CH507-396I9.3
 CLNK
 CMP21-97G8.1
 COL14A1
 COL3A1
 COL6A3
 COLEC12
 CTA-929C8.6
 CTA-929C8.7
 CTD-2298J14.2
 DCHS1
 DCN
 DDR2
 DMRT2
 DUSP15

EBF2
EPS8
EVC2
FAM63B
FAT4
FBN1
FGF9
FOXI1
FSTL1
GABARAPL1
GLG1
GLIS2
GPX8
GXYLT2
HEG1
HIC1
HSPA12B
ISLR
KCTD12
KLHL3
LAMA2
LAMB1
LINC01187
LINC01230
LPAR1
LTBP2
MOB1B
MRC2
MXRA5
MXRA8
NID2
NR3C2
OLFML1
PCDH18
PDE1A
PDGFC
PDGFRB
PLCG2
PRICKLE1
PRKG1
PTGER3
PTPN21
PTRF
PXDN

RBFOX2
RCAN2
RECK
ROR1
RP11-690G19.4
RP11-697E22.3
RP13-895J2.6
SLC16A7
SLC39A13
SLC4A9
SLIT2-IT1
SORCS2
STAP1
SVEP1
SYT10
TBC1D1
TBC1D14
THSD7A
TMEM213
TMEM43
TSHZ3
WBP1L
WBSCR17
ZC2HC1A