

SUPPLEMENTARY TABLES

Supplementary Table 1. Information regarding the 21 genes following survival analysis.

Gene	Entrez ID	P value	coefficient	HR	95% CI
<i>SATB1</i>	6304	9.01E-5	-0.893	0.409	0.258-0.649
<i>HN1L</i>	90861	2.44E-4	0.928	2.53	1.514-4.229
<i>CCL8</i>	6355	6.58E-5	-0.939	0.391	0.243-0.631
<i>TTC39C</i>	125488	2.55E-4	-0.861	0.423	0.263-0.680
<i>HPDL</i>	84842	2.03E-4	0.875	2.398	1.491-3.858
<i>OLFML2A</i>	169611	8.75E-4	0.824	2.28	1.385-3.755
<i>LMNTD2</i>	256329	6.211E-3	-0.672	0.511	0.313-0.834
<i>ATP11A</i>	23250	3.173E-3	0.709	2.032	1.257-3.283
<i>SLC5A3</i>	6526	7.56E-6	-1.14	0.32	0.19-0.539
<i>HEYL</i>	26508	5.497E-3	0.677	1.968	1.209-3.201
<i>BOK</i>	666	2.01E-4	0.849	2.337	1.476-3.700
<i>RBCK1</i>	10616	1.056E-3	-0.792	0.453	0.278-0.736
<i>CCT6B</i>	10693	2.863E-3	-0.759	0.468	0.282-0.779
<i>ABTB1</i>	80325	5.107E-3	-0.643	0.526	0.333-0.831
<i>CLEC18A</i>	348174	5.438E-3	-0.612	0.542	0.35-0.841
<i>MRPS6</i>	64968	7.88E-4	-0.822	0.44	0.269-0.719
<i>NXT2</i>	55916	7.08E-5	-0.926	0.396	0.247-0.635
<i>SPEF2</i>	79925	2.208E-3	-0.708	0.492	0.310-0.782
<i>KLK13</i>	26085	6.35E-4	0.814	2.258	1.398-3.647
<i>SPAG8</i>	26206	9.86E-4	-0.765	0.465	0.292-0.742
<i>COL22A1</i>	169044	9.29E-4	-0.758	0.469	0.296-0.742

Supplementary Table 2. Risk prediction comparison with the validation cohorts.

GSE54467		Univariate		Multivariate	
Variable	Group	HR (95% CI)	P value	HR (95% CI)	P value
Risk score	High (n = 50)	1	9.00E-5		
	Low (n = 29)	0.257 (0.124-0.534)			
Age	≤ 60 (n = 47)	0.549 (0.309-0.975)	0.040		
	> 60 (n = 32)	1			
Gender	Male (n = 50)	1.090 (0.600-1.981)	0.800		
	Female (n = 29)	1			
Pathological stage	Stage I and II (n = 58)	1	0.100		
	Stage III (n = 20)	1.774 (0.860-3.658)			
GSE65904		Univariate		Multivariate	
Variable	Group	HR (95% CI)	P value	HR (95% CI)	P value
Risk score	High (n = 105)	1	7.00E-5	0.385 (0.254-0.582)	6.36E-6
	Low (n = 105)	0.453 (0.304-0.676)			
Gender	Male (n = 124)	1.335 (0.885-2.016)	0.200		
	Female (n = 86)	1			
	General (n = 23)	1			
Tumor stage	In transit (n = 15)	0.736 (0.333-1.628)	1.00E-4	0.591 (0.241-1.449)	0.250
	Local (n = 11)	0.316 (0.106-0.947)			
	Primary (n = 15)	0.052 (0.007-0.394)			
	Regional (n = 139)	0.354 (0.204-0.613)			
Tissue	Cutaneous (n = 21)	1	0.010	1.117 (0.236-5.296)	0.889
	Lymph node (n = 130)	2.884 (0.905-9.185)			
	Subcutaneous (n = 33)	5.096 (1.513-17.160)			
	Visceral (n = 10)	6.984 (1.743-27.987)		1.306 (0.285-5.985)	0.731
				1.163 (0.209-6.471)	0.863