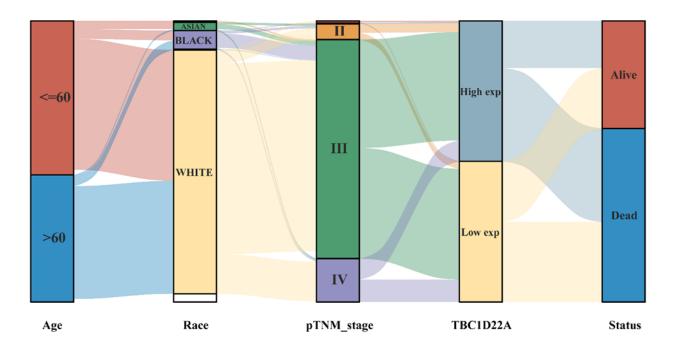
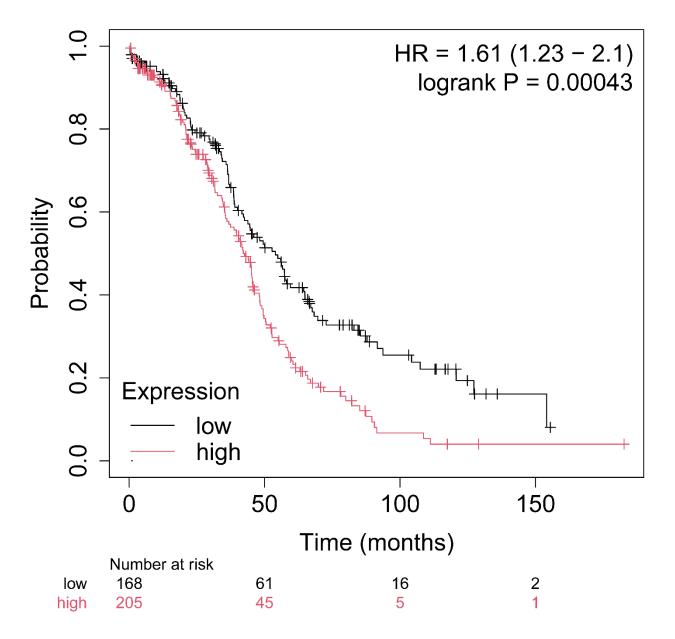
## Supplementary Material

## **Supplementary Figures**

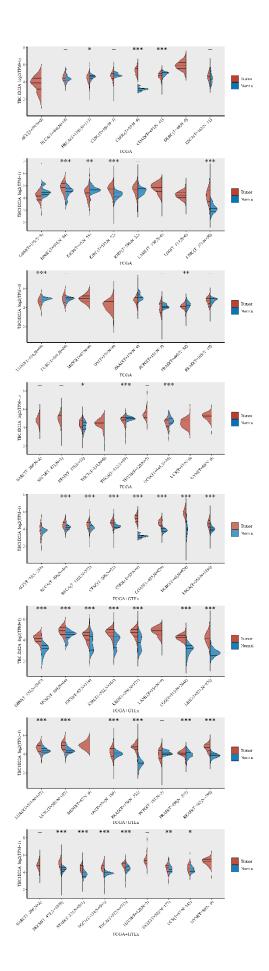


**Supplementary Figure 1.** The Sankey diagram of TBC1D22A and clinical characteristics. Each row represents a feature variable, different color represents different typing or stage, lines represent the distribution of the same sample in different feature variables.

## TBC1D22A



**Supplementary Figure 2.** Kaplan-Meier Plotter database verified the correlation between TBC1D22A and OS.



**Supplementary Figure 3.** Differential expression of TBC1D22A in pan-carcinoma.

Cancer	Pvalue	Hazard Ratio(95% CI)	
ACC	0.0297	2.36588(1.08854,5.14207)	<b></b>
BLCA	0.1687	1.23058(0.91576,1.65364)	<b> </b>
BRCA	0.5450	1.10317(0.80271,1.51609)	<b>→</b> 1
CESC	0.2072	0.74177(0.46633,1.17989)	<b>⊯</b> I
CHOL	0.9328	1.04091(0.41,2.64269)	<b>-</b>
COAD	0.7757	1.05809(0.7175,1.56036)	<b>1</b>
DLBC	0.7149	1.31085(0.30669,5.60285)	<del> </del>
ESCA	0.0353	0.57832(0.34731,0.96297)	<b>₩</b>
GBM	0.7957	1.04851(0.73257,1.50071)	<b>+</b> 1
HNSC	0.6078	0.93254(0.71419,1.21764)	•
KICH	0.2684	2.19198(0.54611,8.79819)	<b>—</b>
KIRC	0.2811	0.84878(0.62996,1.14362)	•
KIRP	0.0510	0.54141(0.29231,1.00279)	<b>₩</b>
LAML	0.8584	0.96215(0.62963,1.47028)	<b>1</b>
LGG	0.3112	1.19991(0.84327,1.70739)	<b>i∳-1</b>
LIHC	0.0102	1.57841(1.11403,2.23637)	<b>+</b> →-1
LUAD	0.7426	1.04986(0.7853,1.40354)	<b>+</b>
LUSC	0.6530	1.06413(0.81155,1.39531)	<b>+</b>
MESO	0.8633	0.95914(0.59652,1.5422)	•
OV	0.0005	1.60027(1.23036,2.08141)	<b>i∳·i</b>
PAAD	0.5032	1.14944(0.76451,1.7282)	<b>i∳-1</b>
PCPG	0.0908	0.16028(0.0192,1.33775)	<del></del>
PRAD	0.5936	0.70663(0.19738,2.52969)	I 🔷 💮 I
READ	0.1179	0.51119(0.22042,1.18552)	<b>1</b>
SARC	0.4830	1.15214(0.7756,1.71149)	<b>i∳-I</b>
SKCM	0.7837	1.03826(0.79414,1.35741)	<b>⊫</b>
STAD	0.9521	0.98999(0.71293,1.37474)	<b>+</b>
TGCT	0.3306	0.32514(0.03382,3.12616)	<b>₩</b>
THCA	0.2605	0.55905(0.20302,1.53945)	<b>1</b> → 1
THYM	0.7343	1.25774(0.33449,4.7294)	<b>—</b>
UCEC	0.3560	0.82215(0.54246,1.24604)	•
UCS	0.9713	1.01234(0.51914,1.97408)	•
UVM	0.8051	1.10982(0.48503,2.53947)	1
		(	0.0192 2 3 4 5 6 7 8 9 Hazard Ratio

**Supplementary Figure 4.** Univariate cox regression analysis of TBC1D22A in pan-carcinoma.