

SUPPLEMENTARY TABLES

Supplementary Table 1. Survival analysis of GPR55 in different malignant tumors.

Cancer type	HR	Lower 95% CI	Upper 95% CI	P value	HR	Lower 95% CI	Upper 95% CI	P value
BLCA	1.11	0.82	1.49	0.5	0.64	0.28	1.5	0.3
BRCA	0.58	0.4	0.83	0.025	0.65	0.42	1	0.046
CESC	0.56	0.33	0.95	0.031	0.4	0.18	0.86	0.016
ESCA	3.5	1.35	9.1	0.007	0.59	0.22	1.59	0.29
ESCA	0.64	0.34	1.21	0.17	2.73	0.28	26.42	0.37
HNSC	0.57	0.44	0.75	5.3*e-5	2.53	1.19	5.37	0.012
KIRC	0.83	0.6	1.14	0.24	2.35	0.84	6.57	0.093
KIRP	1.81	0.97	3.37	0.059	2.98	1.24	7.17	0.011
LIHC	0.66	0.47	0.93	0.018	0.51	0.36	0.71	7.2*e-5
LUAD	0.62	0.46	0.83	0.0013	0.69	0.45	1.05	0.083
LUSC	1.21	0.91	1.61	0.18	1.37	0.8	2.37	0.25
OV	1.14	0.87	1.49	0.35	0.61	0.42	0.89	0.0091
PAAD	0.68	0.45	1.03	0.07	0.68	0.29	1.58	0.37
PCPG	0.32	0.06	1.84	0.18	2.2	0.3	16.35	0.43
READ	1.72	0.76	3.86	0.19	0.33	0.07	1.64	0.15
SARC	0.57	0.37	0.87	0.0077	0.68	0.38	1.21	0.19
STAD	0.8	0.57	1.13	0.21	0.64	0.33	1.27	0.2
TGCT	5.6	0.51	61.79	0.11	0.25	0.06	1.07	0.044
THCA	0.17	0.02	1.29	0.052	0.73	0.33	1.6	0.42
UCEC	0.53	0.35	0.8	0.0024	0.45	0.27	0.75	0.0018

Supplementary Table 2. Analysis of the correlation between the level of GPR55 and the infiltration of immune cells in HCC.

Cell type	Gene markers	None		Purity	
		Corr	P value	Corr	P value
T cell	CD2	0.712	1.26*e-58	0.648	1.96*e-42
	CD3D	0.616	4.3*e-40	0.537	3.35*e-27
	CD3E	0.735	3.17*e-64	0.676	1.95*e-47
CD8+ T cell	CD8A	0.646	3.39*e-45	0.577	5.26*e-32
	CD8B	0.58	1.09*e-34	0.501	2.41*e-23
B cell	CD19	0.521	3.75*e-27	0.434	2.58*e-17
	CD79A	0.637	1.39*e-43	0.548	1.99*e-28
TAM	IL10	0.54	1.76*e-29	0.415	9.03*e-16
	CD68	0.452	4.7*e-20	0.323	8.51*e-10
	CCL2	0.518	7.16*e-27	0.379	3.34*e-13
M1 cell	NOS2	0.064	0.222	0.028	0.6
	IRF5	0.253	8.11*e-7	0.269	4.02*e-7
	PTGS2	0.515	1.66*e-26	0.395	2.39*e-14
M2 cell	MS4A4A	0.582	4.81*e-35	0.481	2.1*e-21
	VSIG4	0.517	9.95*e-27	0.399	1.38*e-4
	CD163	0.581	8.26*e-35	0.475	7.3*e-21
Monocyte	CSF1R	0.693	263*e-54	0.609	2.3*e-36
	CD86	0.694	1.19*e-54	0.622	2.93*e-38

Dendritic cell	CD1C	0.693	1.96*e-54	0.641	2.29*e-41
	NRP1	0.395	2.72*e-15	0.364	2.97*e-12
	ITGAX	0.617	2.63*e-40	0.535	5.44*e-27
Neutrophil	CCR7	0.652	2.77*e-46	0.559	1.09*e-29
	ITGAM	0.438	7.55*e-19	0.349	2.61*e-11
	CEACAM8	0.095	0.00679	0.068	0.209
NK cell	KIR3DL1	0.218	2.33*e-5	0.19	3.95*e-4
	KIR3DL2	0.35	3.95*e-12	0.296	2.08*e-8
	KIR3DL3	0.171	9.54*e-4	0.16	2.8*e-3
	KIR2DS4	0.267	1.88*e-7	0.284	8.32*e-8
	KIR2DL1	0.159	0.00208	0.125	0.0205
	KIR2DL3	0.306	1.75*e-9	0.266	5.44*e-7
	KIR2DL4	0.392	4.52*e-15	0.36	5.78*e-12