Figure S1. (A-D), Bodymap of PLCB1, PLCB2, PLCB3 and PLCB4 respectively. Red indicates tumor samples and green indicates normal samples (gepia. cancer-pku.cn/). PLCB, phospholipase C β .

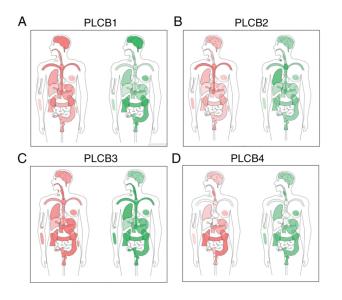


Figure S2. (A-D) Protein expressions of PLCB1, PLCB2, PLCB3, PLCB4 in liver tissue, respectively (proteinatlas.org/ENSG00000182621-PLCB1/tissue/liver#img; proteinatlas.org/ENSG00000137841-PLCB2/ tissue/liver#img; proteinatlas.org/ENSG00000149782-PLCB3/tissue/liver#img; proteinatlas.org/ ENSG00000101333-PLCB4/tissue/liver#img). PLCB, phospholipase C β.

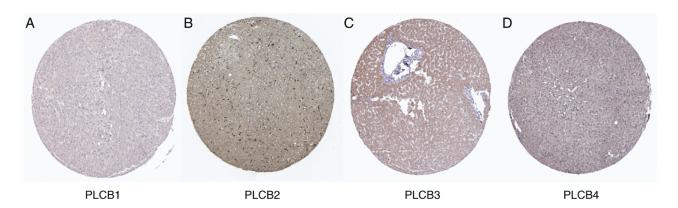
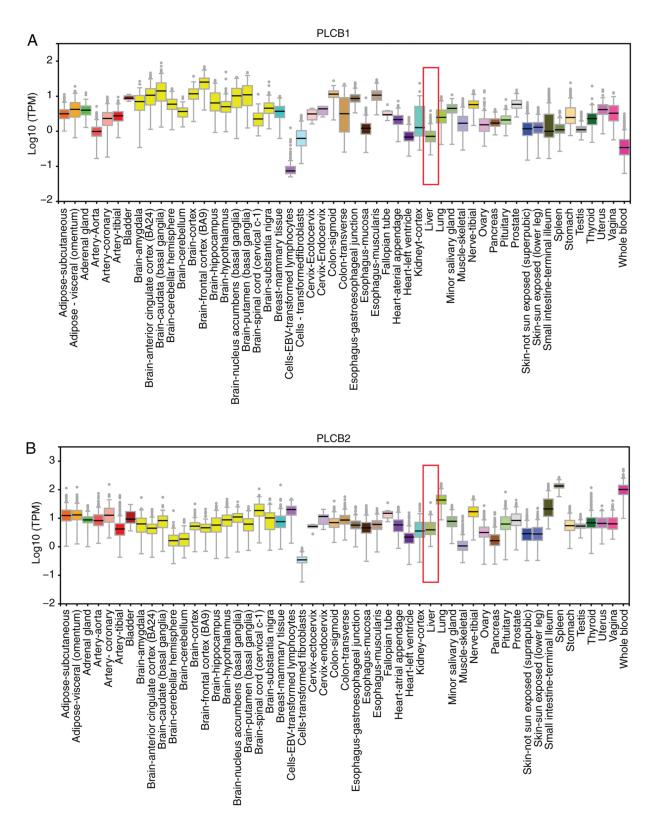


Figure S3. (A-D) Expressions of PLCB1, PLCB2, PLCB3, PLCB4 in different organs, respectively. GTEx portal website. PLCB, phospholipase C β .



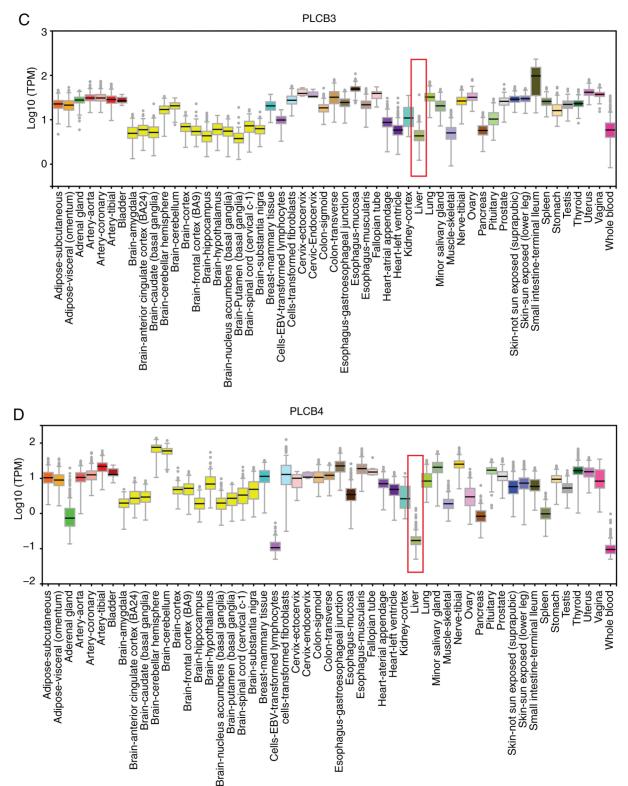
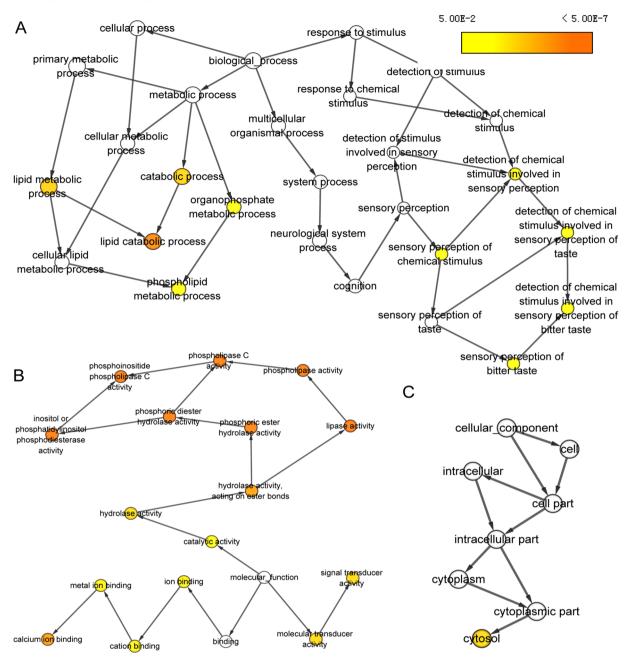




Figure S4. Enriched gene ontologies of phospholipase C β .1-4 genes. (A) Biological process, (B) cellular component, (C) Molecular function. Images generated using Cytoscape software.



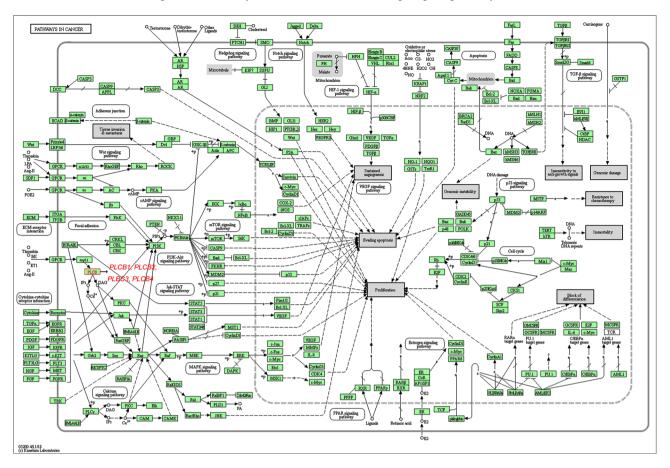


Figure S5. Pathways in cancer associated with phospholipase C β 1-4.

Variables	Patients (n=212)	Overall survival				Recurrence-free survival			
			MST (months)	HR (95% CI)	P-value	No. of event	MST (months)	HR (95% CI)	P-value
Gender									
Male	183	74	NA	Ref.		106	40.10	Ref.	
Female	29	8	NA	0.587 (0.283-1.218)	0.152	10	NA	0.467 (0.244-0.893)	0.021
Age (years)									
≤60	175	69	NA	Ref.		96	45.90	Ref.	
>60	37	13	NA	0.864 (0.478-1.564)	0.630	20	48.00	0.974 (0.602-1.578)	0.916
HBV									
AVR-CC	56	25	NA	Ref.		35	28.80	Ref.	
CC	156	57	NA	0.747 (0.467-1.196)	0.225	81	51.10	0.751 (0.505-1.117)	0.158
Tumor size (cm))								
≤5	137	46	NA	Ref.		73	51.10	Ref.	
>5	74	36	53.30	1.975 (1.274-3.060)	0.002	43	28.40	1.409 (0.966-2.056)	0.075
Cirrhosis				Landah kachan tertetak tertetak tertetak tertetak bertetak bi				n ann an Ionnaichte 🖲 ann an tharaichte Ionnaichte Ann an Ann an Ann an Ann an Ann ann an Ann a	
Yes	195	80	NA	Ref.		111	37.90	Ref.	
No	17	2	NA	0.231 (0.057-0.939)	0.041	5	NA	0.383 (0.156-0.938)	0.036
Multinodular									
Yes	45	23	47.90	Ref.		26	28.70	Ref.	
No	167	59	NA	0.622 (0.384-1.008)	0.054	90	49.10	0.823 (0.531-1.274)	0.382
AFP (ng/ml)								ander an arrester and the	
≤300	115	39	NA	Ref.		62	48.00	Ref.	
>300	94	43	NA	1.546 (1.002-2.385)	0.049	54	35.20	1.200 (0.833-1.728)	0.328
BCLC stage				· · · · · · · · · · · · · · · · · · ·					
0	20	2	NA	Ref.	< 0.0001	6	NA	Ref.	<0.0001
А	143	48	NA	4.119 (1.001-16.951)	0.050	74	51.60	2.050 (0.892-4.711)	0.091
В	22	12	46.10	8.992 (2.005-40.320)	0.004	15	26.90	4.019 (1.550-10.421)	
С	27	20	13.60	18.993 (4.419-81.632)		21	8.90	6.163 (2.477-15.333)	

Table SI. Demographic characteristics of 212 patients with HBV-associated hepatocellular carcinoma.

Ref., reference value (1); HR, hazard ratio; 95% CI, 95% confidence interval; HBV, hepatitis B virus; AVR-CC, acute viral replication-chronic carrier; CC, chronic carrier; AFP, AFP, α-fetoprotein; BCLC, Barcelona Clinic Liver Cancer. Bold indicates significant P-values.