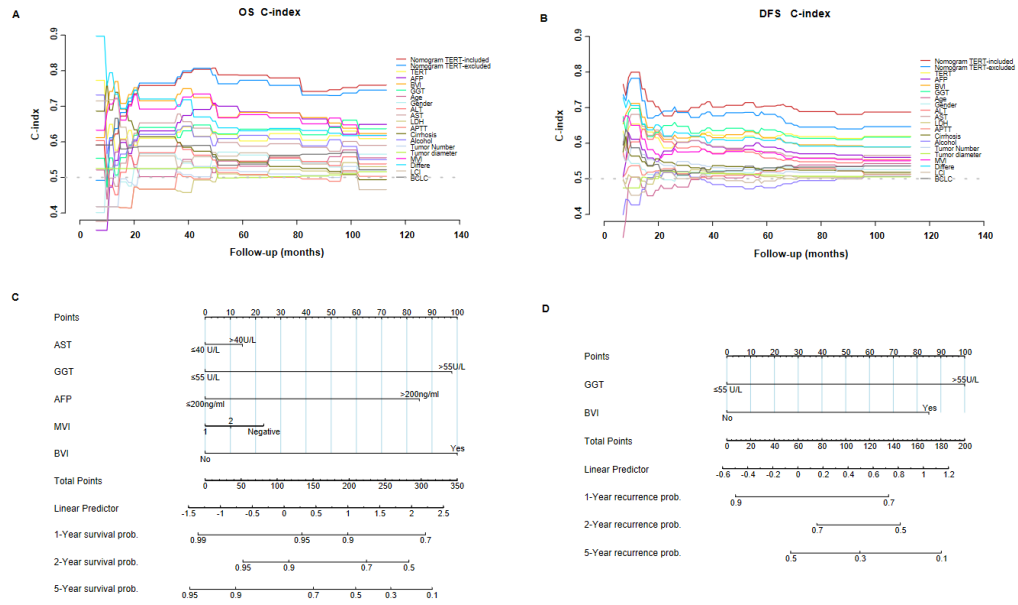




Supplementary Figure 1 TERT mutation in predicting prognosis in HBV-related HCC patients after hepatectomy.

Supplementary Table 1 Limit of blank and limit of detection of the DPCR assay

Concentration in the Low Level Concentration in the LoB (cp/μl) LoD (cp/μl)	negative control well sample (LL) LL well(cp/μl)	replicate ID		
0	LL1	0	0.35	0.55
0	LL1	0.06		
0.14	LL1	0.08		
0	LL1	0		
0	LL2	0.07		
0.16	LL2	0.21		
0	LL2	0.14		
0.07	LL2	0.26		
0	LL3	0.2		
0	LL3	0.28		
0	LL3	0.12		
0	LL3	0.14		
0.06	LL4	0.52		
0.35	LL4	0.34		
0.36	LL4	0.4		
0.16	LL4	0.4		
0.15	LL5	0.99		
0	LL5	1.07		
0	LL5	0.55		
0.07	LL5	0.8		

LL: Low level; LoB: Limit of blank; LoD: Limit of detection.

**Supplementary Table 2 Clinicopathological characteristics of HCC tumor
tissues stratified by TERT C228T mutation status**

Characteristics	TERT C228T		χ^2	P value
	Negative, <i>n</i> = 36	Positive, <i>n</i> = 30		
Age			9.981	0.002 ^a
≤ 55	26 (72.2)	10 (33.3)		
> 55	10 (27.8)	20 (66.7)		
Gender			0.085	0.771
Male	29 (80.6)	25 (83.3)		
Female	7 (19.4)	5 (16.7)		
ALT			1.665	0.197
≤40 U/L	28 (77.8)	19 (63.3)		
>40 U/L	8 (22.2)	11 (36.7)		
AST			3.523	0.061
≤40 U/L	31 (86.1)	20 (66.7)		
>40 U/L	5 (13.9)	10 (33.3)		
LDH			0.141	0.707
≤214 U/L	30 (83.3)	26 (86.7)		
>214 U/L	6 (16.7)	4 (13.3)		
GGT			3.434	0.064
≤55 U/L	26 (72.2)	15 (50.0)		
>55 U/L	10 (27.8)	15 (50.0)		
APTT			1.760	0.185
≤34.6 s	28 (77.8)	27 (90.0)		
>34.6 s	8 (22.2)	3 (10.0)		
AFP			0.121	0.728
≤200 ng/mL	25 (69.4)	22 (73.3)		
>200 ng/mL	11 (30.6)	8 (26.7)		
Cirrhosis			0.440	0.507

No	7 (19.4)	4 (13.3)		
Yes	29 (80.6)	26 (86.7)		
Alcohol			3.076	0.079
No	21 (58.3)	11 (36.7)		
Yes	15 (41.7)	19 (63.3)		
Tumor number			1.006	0.492
Single	32 (88.9)	24 (80.0)		
Multiple	4 (11.1)	6 (20.0)		
Tumor diameter			0.035	1.000
≤2 cm	2 (5.6)	2 (6.7)		
>2 cm	34 (94.4)	28 (93.3)		
MVI			1.192	0.551
No	20 (55.6)	20 (66.7)		
Yes	13 (36.1)	9 (30.0)		
missing	3 (8.3)	1 (3.3)		
Differe			2.542	0.281
High	6 (16.7)	4 (13.3)		
Medium	25 (69.4)	17 (56.7)		
Low	5 (13.9)	9 (30.0)		
LCI			0.405	0.524
No	14 (38.9)	14 (46.7)		
Yes	22 (61.1)	16 (53.3)		
BVI			0.518	0.472
No	28 (77.8)	21 (70.0)		
Yes	8 (22.2)	9 (30.0)		
BCLC			1.616	0.446
A	9 (25.0)	8 (26.7)		
B	26 (72.2)	19 (63.3)		
C	1 (2.8)	3 (10.0)		

^a $P < 0.05$ was significant.

ALT: Alanine aminotransferase; AST: Aspartate aminotransferase; LDH: Lactate dehydrogenase; GGT: Gamma-glutamyl transferase; APTT: Activated partial thromboplastin time; AFP: Alpha fetoprotein; MVI: Microvascular invasion; Differe: Tumor differentiation; LCI: Liver capsular invasion; BVI: Blood vessel invasion; BCLC: Barcelona Clinic Liver Cancer; TERT: Telomerase Reverse Transcriptase.