FigureS1.
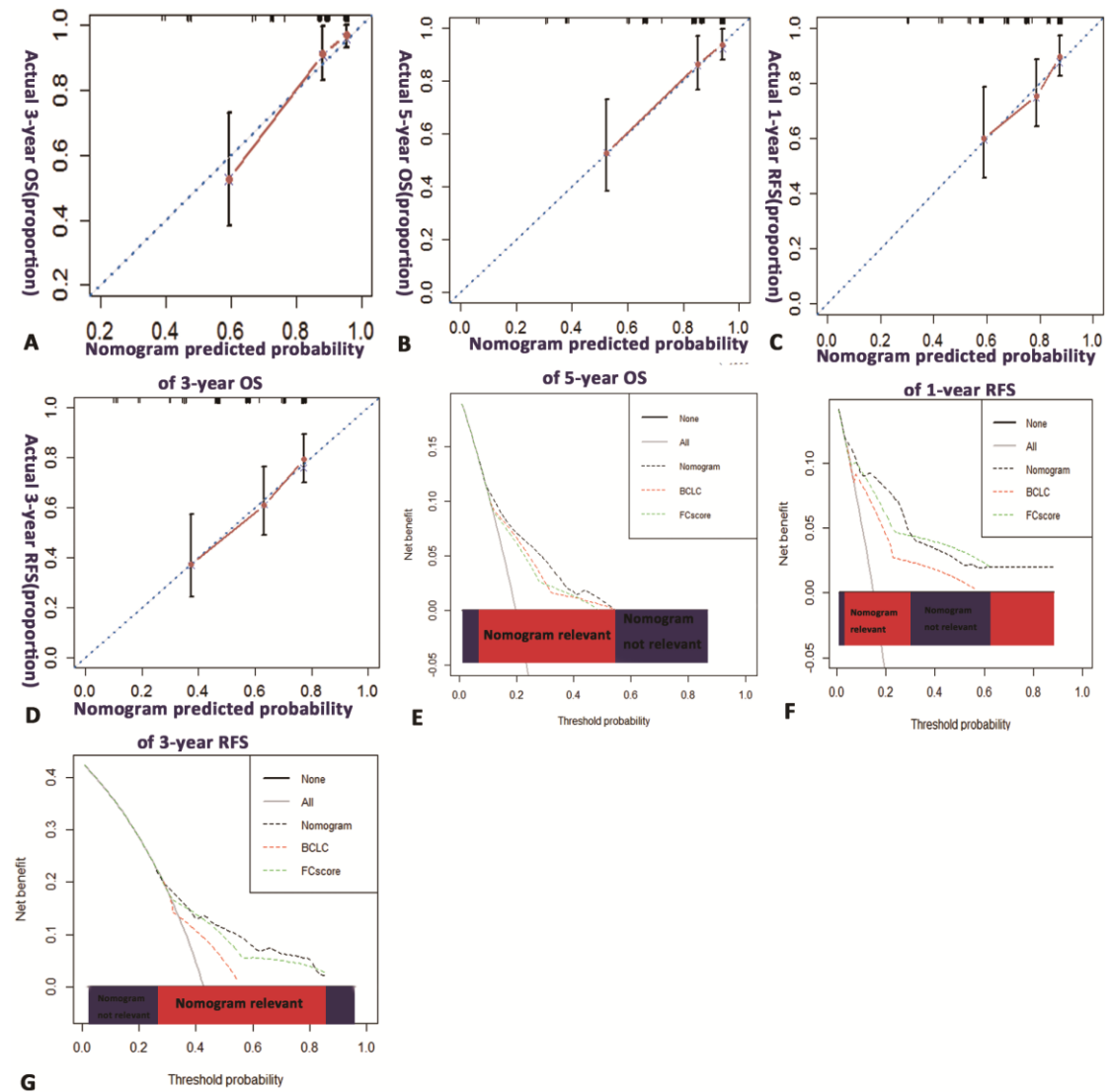

Figure. S1 Calibration curve and decision curve analysis for HCC in the validation curve.Calibration curve for predicting OS at 3-year(A),5-year(B), and for (C)RFS at 1 year, (D)3-year. On the decision curve analysis, nomogram show superior net benefit at 2-year (E),3-year (F) OS and 2-year RFS in the validation cohort.

Table S1. Univariate analyses for OS and RFS in patients with HCC

characters	training cohort			validation cohort		
		OS	RFS		OS	RFS
	patients	univariate	univariate	patients	univariate	univariate
	n=616	P-value	P-value	n=152	P-value	P-value
Gender, male/femeal	514/102	0.966	0.19	131/21	0.025	0.002
Age, <60/≥60	343/273	0.998	0.27	80/72	0.689	0.956
HBsAg,						
negative/positive	100/516	0.599	0.15	27/125	0.54	0.12
AFP, <400/≥400 ng/mL	435/181	<0.001	<0.001	113/39	0.561	0.929
TBIL, <20/≥20 μmol/L	558/58	0.678	0.943	136/16	0.832	0.666
GGT, <45/≥45 U/L	248/368	0.005	0.003	63/89	0.016	<0.001
ALT, <50/≥50 U/L	495/121	0.469	0.115	119/33	0.127	0.048
ALB, <35/≥35g/L	22/594	0.012	0.091	45/107	0.408	0.007
FIB,<266/≥266mg/dL	399/217	<0.001	<0.001	102/50	<0.001	<0.001
CRP, <10/≥10mg/L	549/67	<0.001	<0.001	136/16	<0.001	<0.001
PLT,<200/≥200 10^9/L	509/107	0.313	0.691	124/28	0.999	0.136
N, <6.3/≥6.3 10^9/L	552/64	0.662	0.624	140/12	0.829	0.26
L,<3.2/≥3.2 10^9/L	580/36	0.797	0.611	145/7	0.398	0.608
M,<0.6/≥0.6 10^9/L	439/177	<0.001	0.004	121/31	0.527	0.548
cirrhosis,no/yes	156/460	0.83	0.057	37/115	0.191	0.184
tumor number,						
single/multiple	533/83	<0.001	0.002	127/25	0.032	0.003
tumor throbus, no/yes	577/39	<0.001	<0.001	143/9	<0.001	<0.001
tumor capsule, no/yes	394/222	0.002	0.088	103/49	0.081	
tumor size, <5/≥5cm	360/256	<0.001	<0.001	78/74	0.002	0.005
Lymph node metastasis,						
no/yes	612/4	0.058	0.904	150/2	<0.001	0.012
MVI, no/yes	450/166	<0.001	<0.001	102/50	0.01	<0.001
differentiation,						
I-II/III-IV	421/195	0.002	0.002	104/48	0.03	0.107
IBS, 0/1	322/294	<0.001	<0.001	82/70	<0.001	0.001
GPS, 0/1/2	535/73/8	<0.001	<0.001	132/20/0	0.002	
IBI,0/1/2	13/551/52	<0.001	<0.001	39/103/10	0.003	<0.001
FC-score,0/1/2	386/176/54	<0.001	<0.001	97/44/11	<0.001	<0.001
BCLC, A/B/C	401/186/29	<0.001	<0.001	91/52/9	<0.001	<0.001
CLIP, 0/1-3/4-6	337/272/7	<0.001	<0.001	87/61/4	<0.001	<0.001

APF , alpha fetal protein ; FIB , fibrinogen ; PLT , platelet ; LNM , lymph node metastasis ; MVI , microvascular invasion ; IBS , Inflammation based score ; GPS , Glasgow Prognostic Score ; IBI , inflammation based index ; FC-score , fibrinogen and C-reactive protein score ; BCLC , Barcelona Clinic Liver Cancer staging system ; CLIP , Cancer Liver Italian Program.