

Table S1 Demographical parameters analysis of Training set

Parameters	AFP-positive HCC patients	Healthy controls	P
	n=171	n=102	
Age(year)	53.21±12.12	53.99±6.41	0.705
Height(cm)	168.47±9.13	165.90±13.68	0.112
Weight(kg)	61.98±12.84	63.78±13.49	0.232
Gender(M:F)	125:46	70:32	0.429
Smoking(N:P)	120:51	76:26	0.441
Drinking(N:P)	131:40	80:22	0.728

Age, Height and Weight are expressed as mean ± SD;

M: male, F: female, N: negative, P: positive

TableS2 Diagnostic performances of hematological parameters in all groups of Training set.

Parameters	171 AFP-negative HCC patients vs 102 Healthy controls					60 AFP-positive HCC patients vs 102 Healthy controls				
	AUC	95% CI	P value	Se (%)	Sp (%)	AUC	95% CI	P value	Se (%)	Sp (%)
MPV (fL)	0.652	0.587-0.717	<0.0001	64.3	62.8	0.630	0.533-0.727	0.006	48.3	81.4
RDW(%)	0.772	0.718-0.826	<0.0001	57.3	86.3	0.728	0.640-0.816	<0.0001	56.7	86.3
MPV/PC ratio	0.779	0.724-0.834	<0.0001	60.8	89.2	0.794	0.719-0.868	<0.0001	63.3	89.2
NLR	0.800	0.749-0.852	<0.0001	67.8	83.3	0.784	0.709-0.861	<0.0001	70.0	80.4
PLR	0.653	0.589-0.717	<0.0001	39.5	90.2	0.628	0.535-0.722	0.005	50.0	75.5

Se: sensitivity ; Sp: specificity