

Supplementary Information

Effect of *MBOAT7* variant on hepatitis B and C infections in Moroccan patients

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Supplementary table 1: Effect of *MBOAT7* rs641738 polymorphism on the outcomes HBV infection

	Chronic HBV infection (N= 266)	%	HBV-Spontaneous clearance (N= 126)	%	OR	lower	upper	p-value	AIC*
Codominant									
C/C	80	30.1	41	32.8	1			0.320452725	493.8
C/T	119	44.7	61	48.8	1	0.61	1.63		
T/T	67	25.2	23	18.4	0.67	0.37	1.23		
Dominant									
C/C	80	30.1	41	32.8	1			0.587778305	493.7
C/T-T/T	186	69.9	84	67.2	0.88	0.56	1.39		
Recessive									
C/C-C/T	199	74.8	102	81.6	1			0.131386933	491.8
T/T	67	25.2	23	18.4	0.67	0.39	1.14		
Overdominant									
C/C-T/T	147	55.3	64	51.2	1			0.452468547	493.5
C/T	119	44.7	61	48.8	1.18	0.77	1.8		
log-Additive									
0.1.2	266	68	125	32	0.84	0.62	1.12	0.228912846	492.6

*Akaike information criterion

Supplementary table 2: Effect of *MBOAT7* rs641738 polymorphism on the outcomes of HCV infection

	HCV-Spontaneous clearance (N= 98)	%	Chronic HCV infection (N= 288)	%	OR	lower	upper	p-value	AIC*
Codominant									
C/C	90	31.2	25	25.5	1			0.499068595	442
C/T	144	50	51	52	1.28	0.74	2.2		
T/T	54	18.8	22	22.4	1.47	0.75	2.85		
Dominant									
C/C	90	31.2	25	25.5	1			0.278345397	440.2
C/T-T/T	198	68.8	73	74.5	1.33	0.79	2.23		
Recessive									
C/C-C/T	234	81.2	76	77.6	1			0.431348678	440.8
T/T	54	18.8	22	22.4	1.25	0.72	2.19		
Overdominant									
C/C-T/T	144	50	47	48	1			0.727026774	441.3
C/T	144	50	51	52	1.09	0.69	1.72		
log-Additive									
0.1.2	288	74.6	98	25.4	1.21	0.87	1.69	0.246653287	440

*Akaike information criterion

Legends to Supplementary Figures

Figure S1: Association of rs641738 genotype with liver injury in CHB group. (A) Comparison between CC, CT and TT in terms of ALT. (B) AST. (C) HBV viral load. Data are expressed as the mean and standard deviation. Statistical analyses were performed using ANOVA.

