SUPPLEMENTARY MATERIALS

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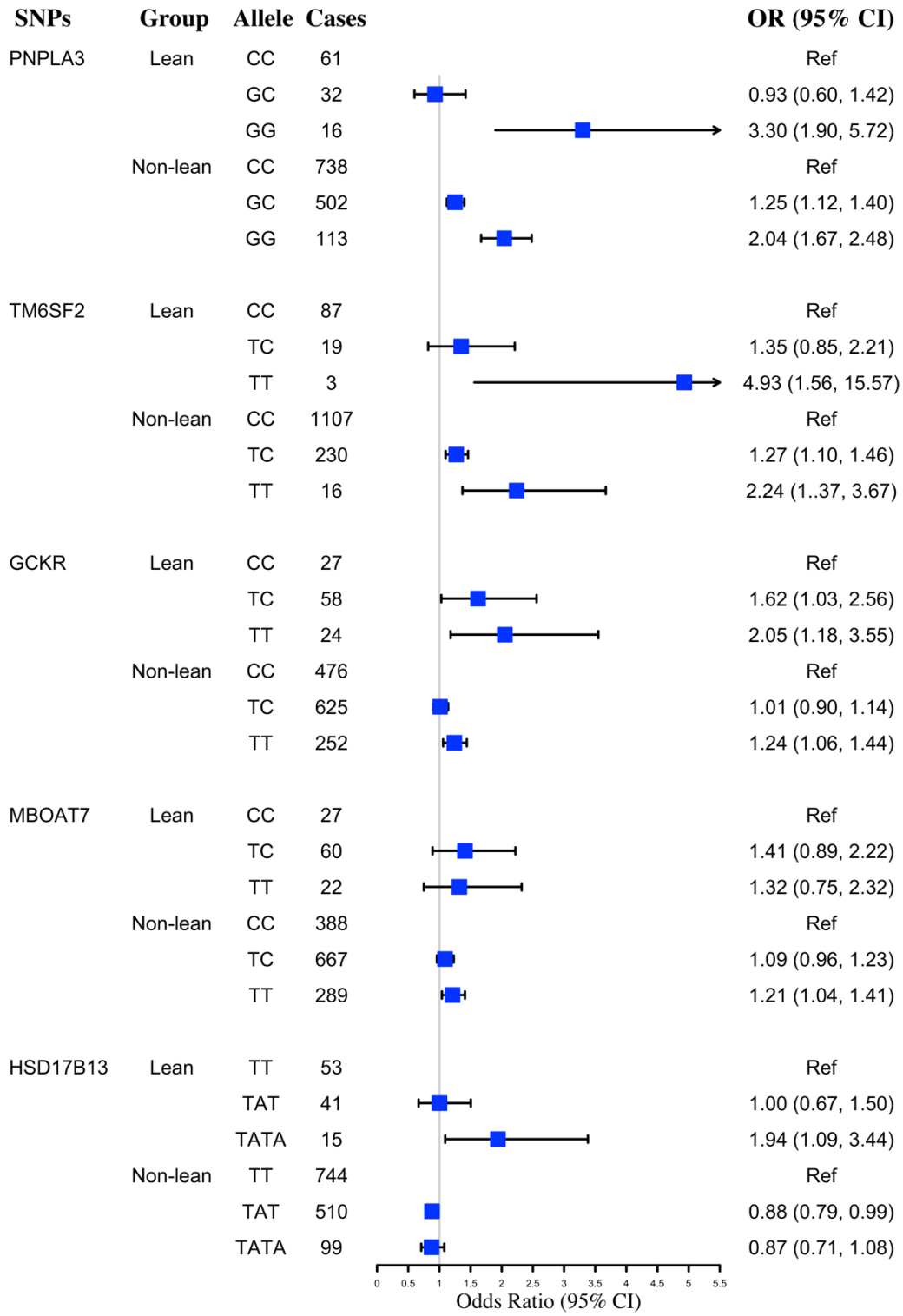

Figure S1. The effect of genotype factors on nonalcoholic fatty liver among lean and non-lean individuals.

Table S1. Associations between *HSD17B13* status and cirrhosis and hepatocellular carcinoma among lean and non-lean individuals.

	Lean			**Non-lean**			**All cases**		
	N	OR (95%CI)	*P-value*	N	OR (95%CI)	*P value*	N	OR (95%CI)	*P value*
Cirrhosis									
Codominant									
TT	179	Ref		728	Ref		921	Ref	
TAT	123	0.89 (0.71, 1.12)	0.520	402	0.71 (0.63, 0.80)	<0.001	530	0.74 (0.67, 0.83)	<0.001
TATA	22	0.84 (0.54, 1.31)		82	0.74 (0.59, 0.93)		105	0.76 (0.62, 0.93)	
Dominant									
TT	179	Ref		728	Ref		921	Ref	
TAT+TATA	145	0.88 (0.71, 1.10)	0.263	484	0.71 (0.64, 0.80)	<0.001	635	0.74 (0.67, 0.82)	<0.001
Recessive									
TT+TAT	302	Ref		1130	Ref		1451	Ref	
TATA	22	0.88 (0.57, 1.36)	0.571	82	0.85 (0.68, 1.07)	0.151	105	0.86 (0.70, 1.05)	0,123
MAF	25.77			23.35			23.35		
HCC									
Codominant									
TT	70	Ref		228	Ref		299	Ref	
TAT	51	0.94 (0.66, 1.35)	0.952	141	0.80 (0.64, 0.98)	0.041	192	0.83 (0.69, 0.99)	0.063
TATA	10	0.98 (0.50, 1.90)		24	0.70 (0.46, 1.06)		34	0.76 (0.53, 1.08)	
Dominant									
TT	70	Ref		228	Ref		299	Ref	
TAT+TATA	61	0.95 (0.67, 1.34)	0.768	165	0.78 (0.64, 0.95)	0.014	226	0.82 (0.69, 0.97)	0.021
Recessive									
TT+TAT	121	Ref		369	Ref		491	Ref	
TATA	10	1.00 (0.53, 1.91)	0.992	24	0.76 (0.51, 1.15)	0.183	34	0.82 (0.58, 1.16)	0.255
MAF	27.10			24.05			24.76		

Table S2. Multivariable logistic regression showing genotype odds ratio for heterozygous and homozygous carriage of the *HSD17B13* rs72613567: TA allele on cirrhosis and hepatocellular carcinoma.

	Allele	Case	Multivariable model 1		Multivariable model 2		Multivariable model 3	
			OR (95%CI)	P Value	OR (95%CI)	P Value	OR (95%CI)	P Value
Cirrhosis								
Lean	TT	179	1		1		1	
	TAT	123	0.89 (0.71, 1.12)	0.340	0.92 (0.73, 1.17)	0.510	0.88 (0.78, 0.997)	0.045
	TATA	22	0.84 (0.52, 1.28)	0.438	0.89 (0.56, 1.36)	0.612	0.93 (0.74, 1.16)	0.558
Non-lean	TT	728	1		1		1	
	TAT	402	0.71 (0.63, 0.80)	<0.001	0.71 (0.62, 0.80)	<0.001	0.71 (0.62, 0.81)	<0.001
	TATA	82	0.73 (0.58, 0.92)	0.008	0.75 (0.60, 0.94)	0.016	0.65 (0.48, 0.85)	0.002
HCC								
Lean	TT	70	1		1		1	
	TAT	51	0.95 (0.66, 1.36)	0.777	0.91 (0.63, 1.31)	0.610	0.85 (0.56, 1.28)	0.449
	TATA	10	0.97 (0.47, 1.80)	0.938	0.99 (0.48, 1.83)	0.970	0.97 (0.47, 1.80)	0.937
Non-lean	TT	228	1		1		1	
	TAT	141	0.80 (0.65, 0.98)	0.035	0.79 (0.63, 0.97)	0.028	0.83 (0.66, 1.05)	0.122
	TATA	24	0.69 (0.44, 1.02)	0.080	0.68 (0.43, 1.02)	0.081	0.77 (0.48, 1.17)	0.250

Multivariable regression model 1 adjusted for age and sex; Model 2 adjusted body measure indictor: body mass index, waist to hip ratio, trunk fat percentage, trunk fat mass, body fat percentage and body whole body fat mass; Model 3 additional adjusted biochemical indictor: Albumin (g/L), ALT (U/L), AST (U/L), Glucose (mmol/L), HDL (mmol/L), LDL (mmol/L), Triglycerides (mmol/L), Total cholesterol (mmol/L).