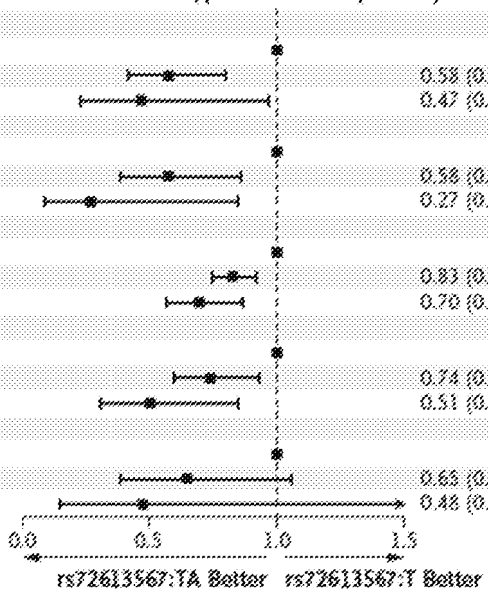
A GHS Discovery Cohort

Description	Genotype	Case Patients	Controls	Genotypic Odds Ratio (95% CI)	Allelic Odds Ratio (95% CI)	P Value
Alcoholic liver disease (N=190) vs. normal (N=29,928)					0.62 (0.48–0.81)	1.8×10^{-4}
	T/T	128	16,084	1		
	T/TA	54	11,754	0.58 (0.42–0.80)		
	TA/TA	8	2,090	0.47 (0.23–0.97)		
Alcoholic cirrhosis (N=124) vs. normal (N=29,928)					0.56 (0.41–0.78)	3.4×10^{-4}
	T/T	85	16,084	1		
	T/TA	36	11,754	0.58 (0.39–0.86)		
	TA/TA	3	2,090	0.27 (0.09–0.85)		
Nonalcoholic liver disease (N=1857) vs. normal (N=29,928)					0.84 (0.78–0.91)	1.3×10^{-5}
	T/T	1090	16,084	1		
	T/TA	665	11,754	0.83 (0.75–0.92)		
	TA/TA	102	2,090	0.70 (0.57–0.87)		
Nonalcoholic cirrhosis (N=374) vs. normal (N=29,928)					0.74 (0.62–0.88)	4.8×10^{-4}
	T/T	231	16,084	1		
	T/TA	127	11,754	0.74 (0.60–0.91)		
	TA/TA	16	2,090	0.51 (0.31–0.85)		
Hepatocellular carcinoma (N=75) vs. normal (N=29,928)					0.67 (0.45–1.00)	0.047
	T/T	49	16,084	1		
	T/TA	23	11,754	0.63 (0.39–1.06)		
	TA/TA	3	2,090	0.48 (0.15–1.56)		



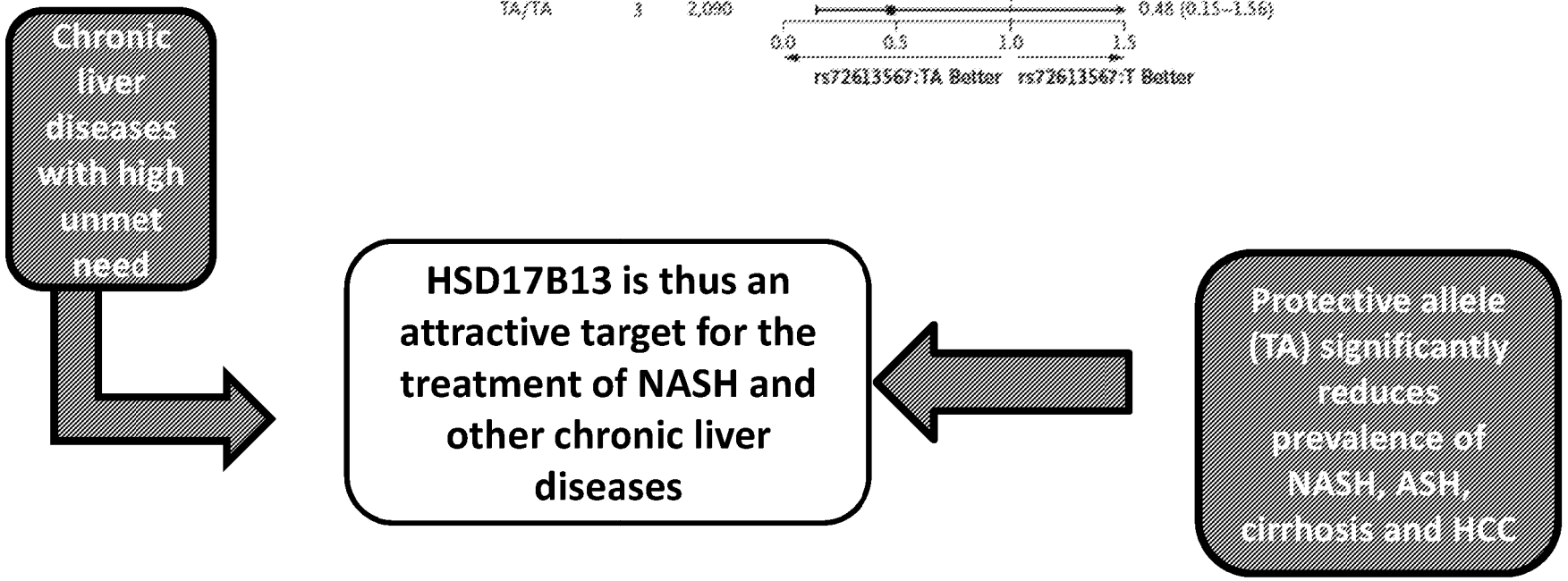


Figure 1

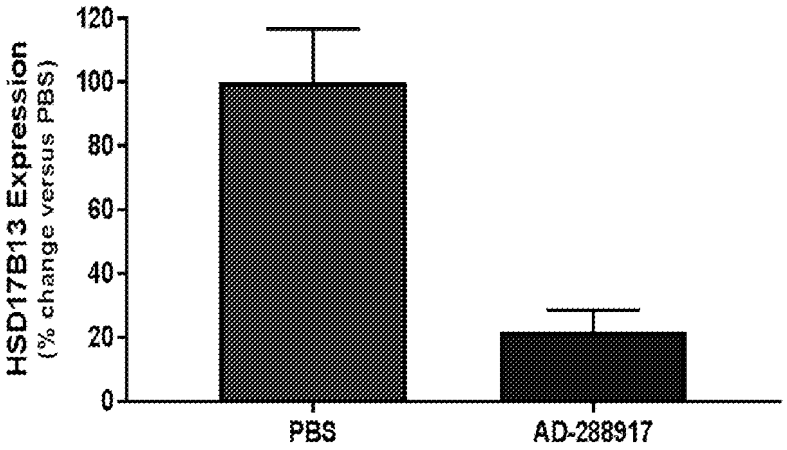


Figure 2A

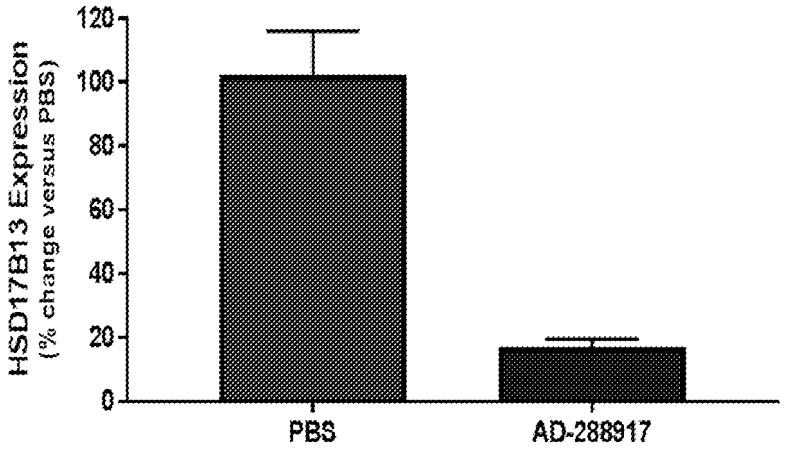


Figure 2B