

Supplemental Table 1. P values of gene-based tests for the associations between three genes and their corresponding traits in three cohorts

TG

	HyperGEN & GENOA				GOLDN				HAPI			
	Burden	MB	SKAT	VT	Burden	MB	SKAT	VT	Burden	MB	SKAT	VT
SLCO2A1	8.26E-02	1.23E-01	1.61E-01	2.50E-01	2.19E-04	8.97E-07	2.96E-03	7.18E-07	8.13E-01	8.94E-01	2.11E-01	5.48E-01
ITGA7	3.67E-02	1.53E-01	1.22E-01	1.67E-01	2.47E-03	1.65E-01	1.77E-07	1.31E-02	3.35E-01	3.16E-01	4.54E-01	5.51E-01

LDL-C

	HyperGEN & GENOA				GOLDN				HAPI
	Burden	MB	SKAT	VT	Burden	MB	SKAT	VT	NA
POT1	6.17E-01	5.01E-02	2.70E-01	2.00E-02	4.41E-04	1.05E-06	1.83E-02	1.32E-06	