

**Table S1.** Related traits of three SNPs from Ensembl search.

SNP	Chromosome	Nearby Gene	Effect Allele	Other Allele	Related Traits
rs11057830	12	SCARB1	A	G	<ol style="list-style-type: none"> <li>1. Vitamin E levels</li> <li>2. Lipoprotein phospholipase A2 activity in cardiovascular disease</li> <li>3. coronary artery disease</li> </ol>
rs2108622	19	CYP4F2	T	C	<ol style="list-style-type: none"> <li>1. Vitamin E levels</li> <li>2. Acenocoumarol maintenance dosage</li> <li>3. Warfarin maintenance dose</li> <li>4. Circulating phylloquinone levels</li> </ol>
rs964184	11	BUD13/ZNF259/APOA5	G	C	<ol style="list-style-type: none"> <li>1. Vitamin E levels</li> <li>2. LDL cholesterol</li> <li>3. HDL cholesterol</li> <li>4. Hypertriglyceridemia</li> <li>5. Cholesterol, total</li> <li>6. Triglyceride levels</li> <li>7. Blood protein levels</li> <li>8. Very long-chain saturated fatty acid levels (fatty acid 20:0)</li> <li>9. Very low-density lipoprotein cholesterol levels</li> <li>10. Red cell distribution width</li> </ol>

Web of Ensembl (Homo sapiens-phenotype): [http://grch37.ensembl.org/Homo\\_sapiens/Info/Index](http://grch37.ensembl.org/Homo_sapiens/Info/Index).

**Table S2.** Associations of three SNPs with CAD/MI and their risk factors.

SNP	Effect Allele	Other Allele	CAD		MI		T2D		HDL-C, SD		LDL-C, SD		TC, SD		TG, SD		FG, mmol/L	
			beta	se	beta	se	beta	se	beta	se	beta	se	beta	se	beta	se	beta	se
rs11057830	A	G	0.046	0.01	0.03	0.01	-0.01	0.03	-0.018	0.005	0.025	0.006	0.022	0.005	0.022	0.005	0.005	0.006
rs2108622	T	C	0.046	0.01	0.05	0.01	-0.02	0.02	0.003	0.004	0.004	0.004	0.005	0.004	0.003	0.004	-0.001	0.004
rs964184	G	C	0.050	0.01	0.05	0.01	0.04	0.02	-0.107	0.007	0.086	0.008	0.121	0.008	0.234	0.007	0.008	0.005

SNPs, single-nucleotide polymorphisms; SD, standard deviation; SE, standard error; CAD, coronary artery disease; MI, myocardial infarction; T2D, type 2 diabetes; HDL-C, high density lipoprotein cholesterol; LDL-C, low density lipoprotein cholesterol; TC, total cholesterol; TG, triglycerides; FG, fasting glucose.