

**S1 Table. Characteristics of HAPI Study Participants by rs12041331 Genotype.**

Characteristic (Units)	PEAR1 rs12041331 Genotype		
	GG	GA	AA
Number (n)	535	101	5
Age $\pm$ SD (years)	43.2 $\pm$ 13.9	43.6 $\pm$ 13.8	33.0 $\pm$ 17.2
BMI $\pm$ SD (kg/m <sup>2</sup> )	26.2 $\pm$ 4.0	26.9 $\pm$ 4.3	26.9 $\pm$ 2.9
No. of female gender (%)	232 (43.4)	41 (40.6)	3 (60.0)
Brachial artery width pre-occlusion $\pm$ SD (mm)	3.8 $\pm$ 3.1	3.7 $\pm$ 0.6	3.4 $\pm$ 0.6
Brachial artery width post-occlusion $\pm$ SD (mm)	4.2 $\pm$ 3.3	4.1 $\pm$ 0.6	3.9 $\pm$ 0.6
Systolic blood pressure $\pm$ SD (mm Hg)	121.5 $\pm$ 14.4	120.3 $\pm$ 14.7	123.0 $\pm$ 11.7
Diastolic blood pressure $\pm$ SD (mm Hg)*	77.2 $\pm$ 8.6	75.6 $\pm$ 8.7	68.4 $\pm$ 4.2
No. with hypertension (%)	71 (13.3)	11 (10.9)	0 (0)
Total cholesterol $\pm$ SD (mg/dl)	207.2 $\pm$ 45.7	205.4 $\pm$ 51.7	183.6 $\pm$ 18.4
LDL cholesterol $\pm$ SD (mg/dl)	138.1 $\pm$ 42.5	136.6 $\pm$ 47.2	124.4 $\pm$ 17.8
HDL cholesterol $\pm$ SD (mg/dl)	55.9 $\pm$ 13.9	55.3 $\pm$ 14.4	50.0 $\pm$ 5.6
Triglycerides $\pm$ SD (mg/dl)	66.2 $\pm$ 41.1	67.7 $\pm$ 44.5	45.8 $\pm$ 15.4
No. with hypercholesteremia (%)	94 (17.7)	14 (13.9)	0 (0)
No. with self-reported diabetes (%)	3 (0.6)	2 (2.0)	0 (0)
Hematocrit $\pm$ SD (%)	41.1 $\pm$ 3.4	41.3 $\pm$ 3.1	39.6 $\pm$ 5.8
White blood cell count $\pm$ SD (n x 1000)	5.3 $\pm$ 1.2	5.2 $\pm$ 1.2	4.8 $\pm$ 1.3
Platelet count $\pm$ SD (n x 100,000)	235.0 $\pm$ 51.8	236.5 $\pm$ 50.9	259.4 $\pm$ 57.4
No. of current smokers (%)†	56 (10.6)	17 (17.2)	0 (0)
No. taking aspirin (%)	14 (2.6)	5 (5.0)	0 (0)
No. taking lipid-lowering medications (%)	5 (0.9)	2 (2.0)	0 (0)
No. taking anti-hypertensive medications (%)	1 (0.2)	0 (0)	0 (0)

\* Diastolic blood pressure was significantly different between genotypes ( $p=0.02$ ). No other traits were significantly different by genotype.

† Observed using a sex-stratified analysis to account for the OOA community's male-only smoking cohort.