

SUPPLEMENTARY DATA

Supplementary Table S1.Correlations between total HDL cholesterol, HDL subclasses, HDL subclass/total HDL ratios, and independent variables of interest

	Total HDL cholesterol	HDL2 cholesterol	HDL3 cholesterol	Apolipoprotein A-I	Total HDL cholesterol/apolipoprotein A-I
Total HDL cholesterol					
HDL2 cholesterol	0.94***				
HDL3 cholesterol	0.75***	0.48***			
Apolipoprotein A-I [†]	0.70***	0.59***	0.65***		
Total HDL cholesterol/apolipoprotein A-I [†]	0.68***	0.69***	0.39***	-0.03	
Age	0.01	-0.07	0.16**	0.34***	-0.04
Body mass index	-0.44***	-0.45***	-0.27***	-0.33***	-0.24***
Waist circumference	-0.55***	-0.58***	-0.31***	-0.41***	-0.35***
Systolic blood pressure	-0.22***	-0.27***	-0.05	-0.05	-0.22***
Diastolic blood pressure	-0.30***	-0.33***	-0.13**	-0.14*	-0.27***
Fasting plasma glucose	-0.23***	-0.26***	-0.09	-0.06	-0.14*
2 hour plasma glucose	-0.08	-0.13*	0.05	0.09	-0.08
HOMA-IR	-0.33***	-0.33***	-0.21***	-0.24***	-0.30***
Total cholesterol	0.01	-0.08	0.17**	0.24***	-0.15**
LDL cholesterol	-0.14**	-0.24***	0.10	0.06	-0.21***
Triglyceride	-0.45**	-0.40***	-0.38***	-0.21***	-0.42***
Non-HDL cholesterol	-0.37***	-0.43***	-0.13**	-0.07	-0.42***

* $P < 0.05$, ** $P < 0.001$, and *** $P < 0.001$

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Supplementary Table S2. Multivariate logistic regression analysis of incident diabetes in relation to HDL cholesterol to apolipoprotein A-I ratio

	OR per 1-SD (95% CI)	<i>P</i>
	increment	
Age	1.73 (1.19 – 2.53)	0.004
BMI	1.58 (1.08 – 2.30)	0.017
Family history of diabetes	2.11 (1.02 – 4.39)	0.045
2 hour plasma glucose	4.16 (2.62 – 6.60)	<0.001
HDL cholesterol/apolipoprotein A-I	0.58 (0.38 – 0.88)	0.010

Age, sex, BMI, waist circumference, family history of diabetes, systolic blood pressure, current smoking, alcohol consumption, regular physical activity, lipid lowering medications, triglyceride, HOMA-IR, 2 hour plasma glucose, and HDL cholesterol/apolipoprotein A-I were included in the model.