

Supplementary table 1: The correlations among non-cholesterol sterol to cholesterol ratios and their associations with different parameters

	Lathosterol:C mmol/mol *	Cholestanol:C mmol/mol *	Campesterol:C mmol/mol *	Sitosterol:C mmol/mol *
Lathosterol:C mmol/mol *	1	-0.411 < 0.001	-0.325 < 0.001	-0.266 < 0.001
Cholestanol:C mmol/mol *	-0.411 < 0.001	1	0.489 < 0.001	0.460 < 0.001
Campesterol:C mmol/mol *	-0.325 < 0.001	0.489 < 0.001	1	0.879 < 0.001
Sitosterol:C mmol/mol *	-0.266 < 0.001	0.460 < 0.001	0.879 < 0.001	1
Age, years	-0.131 < 0.001	-0.011 0.693	-0.115 < 0.001	-0.055 0.050
Body mass index, kg/m2	0.273 < 0.001	-0.185 < 0.001	-0.265 < 0.001	-0.259 < 0.001
Waist circumference, cm	0.208 < 0.001	-0.158 < 0.001	-0.252 < 0.001	-0.268 < 0.001
HbA1c, %	0.021 0.456	-0.131 < 0.001	-0.142 < 0.001	-0.139 < 0.001
Fasting glucose, mg/dl	0.091 0.001	-0.100 < 0.001	-0.142 < 0.001	-0.150 < 0.001
Fasting insulin, U/l *	0.220 < 0.001	-0.200 < 0.001	-0.187 < 0.001	-0.174 < 0.001
Systolic blood pressure, mmHg	0.059 0.036	-0.089 0.002	-0.065 0.022	-0.060 0.033
Diastolic blood pressure, mmHg	0.051 0.073	-0.078 0.006	-0.001 0.969	-0.006 0.836
Total cholesterol, mg/dl	0.031 0.272	0.037 0.188	0.101 < 0.001	0.076 0.007
LDL cholesterol, mg/dl	-0.061 0.029	0.095 0.001	0.156 < 0.001	0.147 < 0.001
HDL cholesterol, mg/dl	-0.105 < 0.001	-0.005 0.860	0.161 < 0.001	0.152 < 0.001
Triglycerides, mg/dl *	0.322 < 0.001	-0.170 < 0.001	-0.244 < 0.001	-0.241 < 0.001
C-reactive protein, mg/l *	-0.089 0.002	0.097 0.001	-0.159 < 0.001	-0.164 < 0.001

Values are Pearson correlation coefficients and unadjusted P; C cholesterol; * calculations of logarithmically transformed values.