

Table SI. Demographic and biochemical characteristics of study subjects (mean ranks).

Variable	With dyslipidemia	Without dyslipidemia	P-value
Age, years	101.3	103.6	0.786
Body mass index, kg/m ²	137.4	71.5	0.000 ^a
Systolic blood pressure	95.8	108.5	0.124
DBP	95.7	108.5	0.121
HbA1C	100.2	104.5	0.591
FBS	105.6	99.8	0.480
TG	133.9	74.6	0.000 ^a
TC	133.8	74.6	0.000 ^a
HDL-C	76.8	125.4	0.000 ^a
LDL-C	138.2	70.8	0.000 ^a

^aP<0.0001. Data are presented as the mean rank using a Mann Whitney U test.

Table SII. Clinical and biochemical data for participants who were included in the methylation analysis compared to those who were not included.

Variable	Group A			Group B		
	With dyslipidemia, n=61	Without dyslipidemia, n=58	P-value	Total, n=119, included	Total, n=85, excluded	P-value
Age	62.1(10.1)	63.5(10.5)	0.438 ^e	62.8(10.3)	62.7(10.2)	0.953 ^e
Sex, female:male	23/38	26/32	0.434 ^d	49/70	30/55	0.241 ^d
Body mass index, kg/m ²	30.2(3.8)	24.8(3.6)	0.000 ^{b,c}	27.5(4.5)	26.6(4.5)	0.134 ^e
Systolic blood pressure	135.9(19.4)	141.6(16.9)	0.088 ^e	138.9(18.3)	135.7(21.7)	0.263 ^e
Diastolic blood pressure	77.5(13.5)	81.5(11.3)	0.083 ^e	80.1(10.7)	78.9(14)	0.477 ^e
HbA1C	7.9(1.2)	8.3(1.7)	0.208 ^e	8.1(1.5)	8(1.3)	0.471 ^e
Fasting blood glucose	230(102.8)	234.5(103.1)	0.811 ^e	232.4(102.4)	236.3(98.6)	0.784 ^e
Total triglyceride	221.5(104.8)	153(61.2)	0.000 ^{b,c}	187.9(92.7)	212.4(153.8)	0.159 ^e
Total cholesterol	224.1(71.2)	166.7(49.2)	0.000 ^{b,c}	196.2(67.6)	199(93.6)	0.801 ^e
High density lipoprotein-cholesterol	39.4(13.7)	46.7(14.2)	0.005 ^{a,c}	43.3(15)	43.1(20.1)	0.930 ^e
Low density lipoprotein-cholesterol	156(52.3)	100.5(41.4)	0.000 ^{b,c}	128.3(55.3)	125(61.9)	0.685 ^e

^aP<0.01, ^bP<0.0001. Data presented as the mean(SD).^cUnpaired Student's t-test. ^d χ^2 -test.

Table SIII. Distribution of age and sex on BMI and LDL values for participants who included in methylation analysis

Without dyslipidemia			With dyslipidemia		
Variable	BMI, kg/m ²	LDL, mg/dl	Variable	BMI, kg/m ²	LDL, mg/dl
Sex (n)			Sex (n)		
Female (26)	24.7 (3.4)	91.8 (32.8)	Female (23)	29.9 (3.9)	164.1 (56.5)
Male (32)	24.9 (3.8)	107.6 (46.6)	Male (38)	30.3 (3.8)	151 (49.7)
P-value ^a	0.823	0.149	P-value	0.71	0.347
Age, years			Age, years		
≤50	23.6 (1.9)	113.9 (71.6)	≤50	30 (3.5)	142.3 (43.8)
51-60	25.9 (3.8)	108.7 (43.5)	51-60	31.6 (3.6)	178.3 (53.1)
61-70	25.5 (3.5)	102 (35.8)	61-70	29.7 (2.8)	142.7 (53.3)
>70	23.2 (3.6)	83.3 (22.2)	>70	29.1 (5)	155.1 (50.3)
P-value ^b	0.091	0.265	P-value	0.244	0.158

Data presented as the mean (SD). ^aUnpaired Student-s t-test. ^bOne-way ANOVA. BMI, body mass index; LDL, low density lipoprotein.