

SUPPLEMENTARY MATERIAL

Twin research and Human Genetics

A Genome-Wide Association Study of Monozygotic Twin-Pairs Suggests a Locus Related to
Variability of Serum High-Density Lipoprotein Cholesterol

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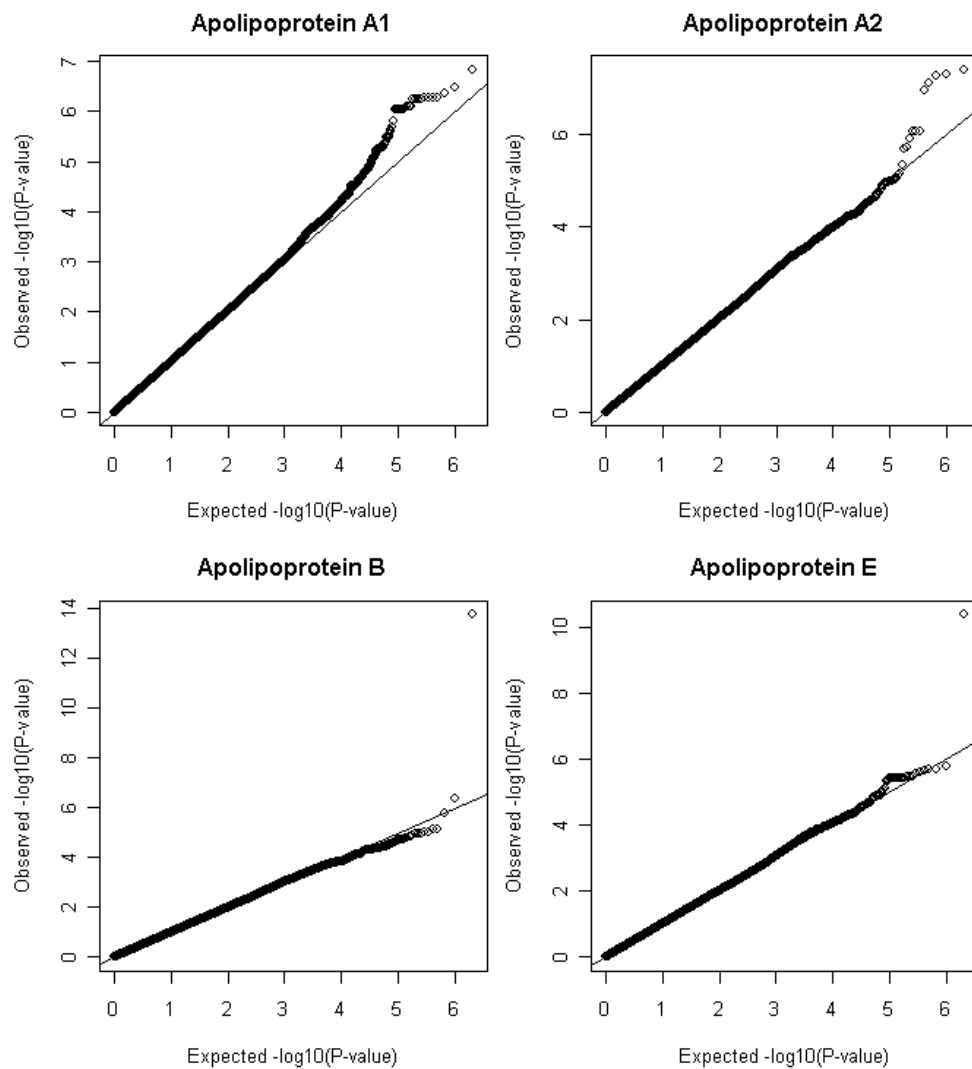
Supplementary Table S1.

Summary statistics of the absolute intra pair differences and means in the twin cohorts

	Australia	UK	Sweden	Finland	Denmark	Netherlands
	mean (sd) N	mean (sd) N	mean (sd) N	mean (sd) N	mean (sd) N	mean (sd) N
Age	47.37 (12.64) 421	51.75 (11.39) 422	71.84 (5.84) 292	60.70 (15.44) 135	43.91 (19.08) 167	33.60 (12.17) 275
Differences						
HDL	0.25 (0.21) 393	0.24 (0.21) 418	0.26 (0.22) 286	0.23 (0.18) 133	0.27 (0.23) 136	0.24 (0.20) 268
LDL	0.63 (0.56) 381	0.55 (0.51) 417	0.79 (0.77) 283	0.71 (0.69) 133	0.47 (0.43) 135	0.49 (0.41) 266
TC	0.67 (0.61) 413	0.65 (0.61) 418	0.92 (0.86) 291	0.72 (0.65) 134	0.59 (0.48) 159	0.57 (0.46) 270
TG	0.38 (0.32) 418	0.33 (0.29) 419	0.35 (0.27) 288	0.38 (0.26) 38	0.26 (0.21) 138	0.315 (0.249) 273
APOA1	0.13 (0.11) 413	NA	0.11 (0.09) 291	0.15 (0.12) 9	0.16 (0.15) 137	0.10 (0.08) 24
APOA2	0.14 (0.11) 408	NA	NA	0.17 (0.13) 9	NA	0.10 (0.09) 24
APOB	0.16 (0.13) 412	NA	0.18 (0.16) 289	0.18 (0.22) 9	0.25 (0.24) 138	0.14 (0.16) 24
APOE	0.26 (0.22) 397	NA	NA	NA	0.36 (0.32) 119	0.15 (0.12) 24
Means						
HDL	1.56 (0.34) 416	1.51 (0.37) 420	1.53 (0.37) 292	1.59 (0.40) 134	1.63 (0.37) 139	1.53 (0.33) 274
LDL	3.42 (0.90) 411	3.32 (0.89) 419	3.85 (0.80) 291	3.45 (0.85) 135	3.14 (0.89) 137	2.81 (0.79) 274
TC	5.67 (0.97) 420	5.28 (1.05) 421	6.02 (0.87) 292	5.36 (0.78) 135	5.40 (1.09) 166	4.88 (0.89) 274
TG	0.30 (0.47) 420	-0.22 (0.48) 421	0.23 (0.37) 291	0.03 (0.41) 39	0.08 (0.32) 139	0.001 (0.35) 274
APOA1	0.40 (0.17) 420	na	0.49 (0.16) 292	0.41 (0.16) 9	0.25 (0.30) 138	0.62 (0.22) 24
APOA2	-1.02 (0.15) 420	na	na	-1.12 (0.14) 9	na	-0.51 (0.12) 24
APOB	-0.09 (0.25) 420	na	0.05 (0.19) 292	-0.39 (0.21) 9	-0.46 (0.37) 139	0.08 (0.32) 24
APOE	-3.30 (0.33) 416	na	na	na	-2.53 (0.35) 133	-3.17 (0.55) 24

Note: Summary statistics of the absolute intra pair differences and means for high density lipoprotein cholesterol (HDL), low density lipoprotein cholesterol (LDL), total cholesterol (TC), logarithmized triglyceride (TG), logarithmized apolipoproteins A1 (APOA1), A2 (APOA2), B (APOB) and E (APOE). sd: standard deviation; N: number of individuals. na: not available.

QQ-PLOTS OF APOLIPOPROTEIN LEVEL ASSOCIATION ANALYSES



Supplementary Figure S1. Quantile-quantile plot of all four apolipoprotein level association analyses. Deviation from expected could be seen in the analyses of all four traits.