**S4 Table. Pleiotropic SNPs and their association with cardiometabolic phenotype.**

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| --- | --- | --- | --- | --- |
|  |  *Age adjusted* |  *Age + CRP adjusted* |  |  |
| **SNP** | **chr** | **beta** | **se** | **pval** | **beta** | **se** | **pval** | **gene** | **Phenotype** |
| rs4420638 | 19 | 7.657 | 0.642 | 9.5×10-33 | 9.047 | 0.637 | 1.4×10-45 | *APOC1* | TC |
| rs4420638 | 19 | 0.053 | 0.008 | 2.5×10-10 | 0.103 | 0.008 | 1.4×10-39 | *APOC1* | TG |
| rs4420638 | 19 | -1.545 | 0.236 | 6.0×10-11 | -2.131 | 0.233 | 7.6×10-20 | *APOC1* | HDLC |
| rs4420638 | 19 | 8.287 | 0.526 | 1.6×10-55 | 8.875 | 0.527 | 3.4×10-63 | *APOC1* | LDLC |
| rs4420638 | 19 | -0.026 | 0.009 | 4.2×10-03 | -0.006 | 0.009 | 5.0×10-01 | *APOC1* | HbA1C |
| rs1169288 | 12 | 2.471 | 0.411 | 1.9×10-09 | 3.299 | 0.409 | 7.2×10-16 | *HNF1A* | TC |
| rs1169288 | 12 | 2.261 | 0.338 | 2.4×10-11 | 2.594 | 0.339 | 2.0×10-14 | *HNF1A* | LDLC |
| rs1169288 | 12 | 0.003 | 0.006 | 6.4×10-01 | 0.017 | 0.006 | 3.5×10-03 | *HNF1A* | HbA1C |
| rs1260326 | 2 | 3.595 | 0.388 | 2.2×10-20 | 3.070 | 0.385 | 1.7×10-15 | *GCKR* | TC |
| rs1260326 | 2 | 0.070 | 0.005 | 8.5×10-43 | 0.050 | 0.005 | 7.5×10-27 | *GCKR* | TG |
| rs1260326 | 2 | -0.013 | 0.006 | 1.7×10-02 | -0.023 | 0.005 | 2.5×10-05 | *GCKR* | HbA1C |
| rs9987289 | 8 | -2.773 | 0.664 | 3.0×10-05 | -2.405 | 0.658 | 2.6×10-04 | *PPP1R3B* | TC |
| rs9987289 | 8 | -1.085 | 0.244 | 8.5×10-06 | -1.246 | 0.240 | 2.2×10-07 | *PPP1R3B* | HDLC |
| rs9987289 | 8 | -2.210 | 0.546 | 5.2×10-05 | -2.068 | 0.545 | 1.5×10-04 | *PPP1R3B* | LDLC |
| rs9987289 | 8 | 0.015 | 0.010 | 1.1×10-01 | 0.021 | 0.009 | 2.3×10-02 | *PPP1R3B* | HbA1C |
| rs1800961 | 20 | -4.927 | 1.130 | 1.3×10-05 | -4.217 | 1.119 | 1.6×10-04 | *HNF4A* | TC |
| rs1800961 | 20 | -2.163 | 0.415 | 1.8×10-07 | -2.474 | 0.409 | 1.5×10-09 | *HNF4A* | HDLC |
| rs1800961 | 20 | -2.960 | 0.929 | 1.4×10-03 | -2.685 | 0.928 | 3.8×10-03 | *HNF4A* | LDLC |
| rs1800961 | 20 | 0.022 | 0.016 | 1.7×10-01 | 0.030 | 0.016 | 6.3×10-02 | *HNF4A* | HbA1C |
| rs4660293 | 1 | -0.575 | 0.164 | 4.6×10-04 | -0.473 | 0.162 | 3.5×10-03 | *PABPC4* | HDLC |
| rs4660293 | 1 | 0.020 | 0.006 | 7.5×10-04 | 0.011 | 0.005 | 3.9×10-02 | *PABPC4* | TG |
| rs17145738 | 7 | 0.458 | 0.218 | 3.5×10-02 | 0.299 | 0.215 | 1.6×10-01 | *BCL7B* | HDLC |
| rs17145738 | 7 | -0.074 | 0.008 | 3.7×10-21 | -0.060 | 0.007 | 4.6×10-17 | *BCL7B* | TG |
| rs1558902 | 16 | 0.541 | 0.049 | 5.0×10-28 | 0.470 | 0.044 | 9.7×10-27 | *FTO* | BMI |
| rs1558902 | 16 | 0.028 | 0.006 | 2.2×10-06 | 0.025 | 0.006 | 1.9×10-05 | *FTO* | HbA1C |
| rs7561317 | 2 | -0.344 | 0.060 | 1.3×10-08 | -0.243 | 0.054 | 6.6×10-06 | *TMEM18* | BMI |
| rs6065906 | 20 | -1.154 | 0.178 | 9.0×10-11 | -1.209 | 0.175 | 5.7×10-12 | *PLTP* | HDLC |
| rs6065906 | 20 | 0.039 | 0.006 | 1.4×10-09 | 0.043 | 0.006 | 1.5×10-13 | *PLTP* | TG |
| rs571312 | 18 | 0.281 | 0.055 | 2.8×10-07 | 0.209 | 0.049 | 1.7×10-05 | *MC4R* | BMI |
| rs6734238 | 2 | -1.164 | 0.388 | 2.7×10-03 | -1.358 | 0.385 | 4.1×10-04 | *IL1F10* | TC |

Abbreviations: BMI, body mass index; chr, chromosome; CRP, C-reactive protein; HbA1C, haemoglobin A1C; HDLC,

HDL-cholesterol; LDLC, LDL-cholesterol; se, standard error; SNP, single-nucleotide polymorphism; TC, total cholesterol; TG, triglycerides