Supplementary table 2 Association of 7 SNPs with serum lipid level in Chinese children

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SNP | Nearest gene | Effect allele | TC  (mmol/L) | |  | TG  (mmol/L) | |  | LDL-C  (mmol/L) | |  | HDL-C  (mmol/L) | |
| β(s.e.m.) | P-value |  | β(s.e.m.) | P-value |  | β(s.e.m.) | P-value |  | β(s.e.m.) | P-value |
| rs780094 | *GCKR* | A | 0.06(0.03) | 0.048 |  | 0.08(0.02) | 2.53×10-6 |  | 0.05(0.02) | 0.045 |  | -0.01(0.01) | 0.301 |
| rs343064 | *PDGFA* | T | -0.004(0.03) | 0.862 |  | -0.01(0.02) | 0.663 |  | -0.01(0.02) | 0.776 |  | 0.00(0.01) | 0.719 |
| rs2645424 | *FDFT1* | C | -0.01(0.03) | 0.805 |  | 0.01(0.02) | 0.661 |  | -0.02(0.03) | 0.491 |  | -0.01(0.01) | 0.589 |
| rs1227756 | *COL13A1* | G | 0.02(0.03) | 0.483 |  | 0.01(0.02) | 0.429 |  | 0.03(0.03) | 0.251 |  | 0.00(0.01) | 0.977 |
| rs6591182 | *EHBP1L1* | A | -0.01(0.03) | 0.821 |  | -0.02(0.02) | 0.346 |  | -0.01(0.02) | 0.690 |  | 0.00(0.01) | 0.719 |
| rs2228603 | *NCAN* | T | 0.07(0.05) | 0.156 |  | -0.03(0.03) | 0.325 |  | 0.03(0.04) | 0.388 |  | 0.04(0.02) | 0.030 |
| rs738409 | *PNPLA3* | G | -0.09(0.03) | 0.004 |  | 0.001(0.02) | 0.970 |  | -0.05(0.02) | 0.031 |  | -0.03(0.01) | 0.041 |

Linear regression analyses were conducted under the additive model with age, gender and BMI-SDS as covariates.

TC, total cholesterol; TG, triglyceride; LDL-C, low-density lipoprotein cholesterol; HDL-C, high-density lipoprotein cholesterol.