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.