**Supplementary Table S1**

Multiple logistic regression for the associations between identified dietary patterns and *CD36* rs1761667 genotypes on the odds of MetS and its components

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Allele | 1st tertile |  | 2nd tertile |  | 3rd tertile |
| β | CI | p-valuea | β | CI | p-valuea | β | CI | p-valuea |
| MetS |
| WDP | GG  | 1.45 | 0.43 to 4.91 | 0.54 |  | 0.41 | 0.07 to 2.36 | 0.32 |  | 0.54 | 0.10 to 2.79 | 0.46 |
| AA/AG | Reference |  | 1.14 | 0.58 to 2.24 | 0.69 |  | 1.19 | 0.54 to 2.62 | 0.65 |
| HDP | GG  | 0.76 | 0.23 to 2.50 | 0.66 |  | 3.99 | 0.76 to 20.89 | 0.10 |  | 0.35 | 0.06 to 2.09 | 0.25 |
| AA/AG | Reference |  | 0.81 | 0.40 to 1.62 | 0.55 |  | 1.77 | 0.87 to 3.60 | 0.11 |
| TDP | GG  | 1.4 | 0.39 to 5.04 | 0.60 |  | 0.15 | 0.02 to 1.23 | 0.07 |  | 1.03 | 0.20 to 5.28 | 0.96 |
| AA/AG | Reference |  | 0.72 | 0.36 to 1.43 | 0.35 |  | 1.20 | 0.62 to 2.31 | 0.58 |
| TG |
| WDP | GG  | 1.15 | 0.36 to 3.66 | 0.80 |  | 0.44 | 0.08 to 2.30 | 0.33 |  | 1.10 | 0.24 to 5.00 | 0.89 |
| AA/AG | Reference |  | 1.68 | 0.90 to 3.13 | 0.10 |  | 1.49 | 0.71 to 3.11 | 0.28 |
| HDP | GG  | 0.66 | 0.20 to 2.18 | 0.49 |  | 3.24 | 0.64 to 16.45 | 0.15 |  | 0.89 | 0.18 to 4.41 | 0.89 |
| AA/AG | Reference |  | 1.47 | 0.78 to 2.75 | 0.22 |  | 1.65 | 0.83 to 3.27 | 0.15 |
| TDP | GG  | 1.10 | 0.31 to 3.84 | 0.87 |  | 0.18 | 0.02 to 1.21 | 0.07 |  | 1.93 | 0.40 to 9.26 | 0.41 |
| AA/AG | Reference |  | 0.99 | 0.52 to 1.89 | 0.99 |  | 1.43 | 0.76 to 2.68 | 0.26 |
| HDL-C |
| WDP | GG  | 0.95 | 0.30 to 2.93 | 0.93 |  | 0.49 | 0.09 to 2.45 | 0.38 |  | 1.24 | 0.28 to 5.43 | 0.77 |
| AA/AG | Reference |  | 1.20 | 0.66 to 2.19 | 0.54 |  | 1.30 | 0.64 to 2.63 | 0.45 |
| HDP | GG  | 0.51 | 0.16 to 1.60 | 0.25 |  | 1.79 | 0.37 to 8.69 | 0.46 |  | 2.13 | 0.47 to 9.63 | 0.32 |
| AA/AG | Reference |  | 0.92 | 0.50 to 1.69 | 0.79 |  | **2.00** | **1.04 to 3.86** | **0.03** |
| TDP | GG  | 0.85  | 0.27 to 2.70 | 0.78 |  | 0.71 | 0.14 to 3.46 | 0.67 |  | 1.29 | 0.28 to 5.80 | 0.73 |
| AA/AG | Reference |  | 1.04 | 0.57 to 1.89 | 0.89 |  | 0.90 | 0.49 to 1.66 | 0.75 |
| WC |
| WDP | GG  | 0.86 | 0.26 to 2.89 | 0.81 |  | 0.88 | 0.16 to 4.66 | 0.88 |  | 1.98 | 0.37 to 10.62 | 0.42 |
| AA/AG |  |  | 1.1 | 0.56 to 2.15 | 0.76 |  | 1.33 | 0.60 to 2.91 | 0.47 |
| HDP | GG  | 0.35 | 0.11 to 1.09 | 0.07 |  | **10.79** | **1.90 to 61.07** | **0.007** |  | 2.68 | 0.53 to 13.38 | 0.22 |
| AA/AG | Reference |  | 0.57 | 0.29 to 1.12 | 0.10 |  | 1.40 | 0.65 to 3.01 | 0.38 |
| TDP | GG  | 1.10 | 0.31 to 3.85 | 0.87 |  | 0.52 | 0.09 to 2.84 | 0.45 |  | 1.54 | 0.29 to 8.17 | 0.60 |
| AA/AG | Reference |  | 1.10 | 0.55 to 2.16 | 0.78 |  | 1.05 | 0.53 to 2.08 | 0.86 |
| FBG |
| WDP | GG  | 0.54 | 0.13 to 2.17 | 0.38 |  | 2.43 | 0.40 to 14.66 | 0.33 |  | 1.21 | 0.19 to 7.74 | 0.83 |
| AA/AG | Reference |  | 0.27 | 0.69 to 0.36 | 0.27 |  | 0.45 | 0.20 to 1.008 | 0.052 |
| HDP | GG  | 0.57 | 0.15 to 2.14 | 0.41 |  | 2.40 | 0.40 to 14.13 | 0.33 |  | 1.10 | 0.19 to 6.37 | 0.90 |
| AA/AG | Reference |  | 0.97 | 0.49 to 1.90 | 0.94 |  | 1.54 | 0.76 to 3.10 | 0.22 |
| TDP | GG  | 1.57 | 0.44 to 5.57 | 0.48 |  | 0.60 | 0.10 to 3.43 | 0.57 |  | 0.22 | 0.03 to 1.39 | 0.10 |
| AA/AG | Reference |  | 1.33 | 0.68 to 2.61 | 0.39 |  | 1.35 | 0.69 to 2.61 | 0.37 |
| BP |
| WDP | GG  | **4.16** | **1.17 to 14.83** | **0.02** |  | 0.39 | 0.06 to 2.56 | 0.33 |  | 0.17 | 0.02 to 1.14 | 0.07 |
| AA/AG | Reference |  | 0.68 | 0.29 to 1.58 | 0.37 |  | 0.88 | 0.33 to 2.29 | 0.79 |
| HDP | GG  | 1.69 | 0.44 to 6.46 | 0.43 |  | 3.08 | 0.48 to 19.72 | 0.23 |  | 0.34 | 0.05 to 2.42 | 0.28 |
| AA/AG | Reference |  | 0.86 | 0.34 to 2.14 | 0.75 |  | 1.93 | 0.79 to 4.71 | 0.14 |
| TDP | GG  | 0.83 | 0.15 to 4.66 | 0.84 |  | 4.80 | 0.48 to 0.34 | 0.19 |  | 1.57 | 0.19 to 12.55 | 0.66 |
| AA/AG | Reference |  | 0.60 | 0.24 to 1.46 | 0.26 |  | 1.21 | 0.54 to 2.68 | 0.64 |

WDP: western dietary pattern; HDP: healthy dietary pattern; TDP: traditional dietary pattern; CI: confidence intervals; MetS: metabolic syndrome; TG: triglyceride; HDL-C: high-density lipoprotein; WC: waist circumference; FBG: fasting blood glucose; BP: blood pressure.

aAdjusted for age, sex, energy intake, physical activity, occupational, educational and marital status.

Significant items with a p-value ≤ 0.05 are bolded.