Table S1 Primers used for ARMS-PCR detection

|  |  |  |
| --- | --- | --- |
| SNP | Primers | Fragments |
| rs1421085 | Fin: 5’- TAGCAGTTCAGGTCCTAAGGCATTAT-3’Rin: 5’- ACAAATTCTCATCAGACACTTAATCACTG-3’Fout: 5’- TTTAGGTTGTAATGAAGTTTTAGGCCTC-3’Rout: 5’- ATCAGGTTAAATAAATGCTTCTGGACAG-3’ | TT: 446 bp, 205 bpTC: 446 bp, 295 bp, 205 bpCC: 446 bp, 295 bp |

Oligonucleotide sequences were obtained from Priliani et al (2020). Fin: forward inner primer, Rin: reverse inner primer, Fout: forward outer primer, Rout: reverse outer primer

Table S2 Baseline characteristics of obese and non-obese subjects

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Obese (n=35)** | **Non-obese (n=36)** | ***p*** |
| **Age**  | 33 (27.5 – 39) | 31 (27.5 – 34.6) | 0.430 |
| **Gender n (%)** |  |  |  |
|  Male | 15 (42.9 %) | 5 (13.9 %) |  |
|  Female | 20 (57.1 %) | 31 (86.1 %) |  |
| **BMI (kg/m²)** | 31.86 (28.10 – 35.39) | 20.86 (19.48 – 21.39) | **<0.001** |
| **Energy intake (kcal)**  | 1595 (1259 – 1980)  | 1588 (1258 –1937) | 0.666 |
| **Macronutrients** |  |  |  |
|  Total carbohydrate (%) | 43.17 ± 6.11 |  40.93 ± 5.62 | 0.112 |
|  Total protein (%) | 14.75 (12.88 – 16.12) | 14.75 (13.44 – 17.06) | 0.267 |
|  Fat intake (%) | 34.53 ± 6.10 | 33.33 ± 6.83 | 0.437 |
| **Fatty acids** |  |  |  |
|  PUFA (%) | 5.19 (4.02 – 7.26) | 6.65 (5.08 – 7.50) | 0.141 |
|  MUFA (%) | 8.20 (7.31 – 9.84) | 8.38 (7.09 – 10.40) | 0.870 |
|  SAFA (%) | 17.12 ± 3.38 | 15.55 ± 3.98 | 0.076 |

Data are presented as mean ± SD for normally distributed data and median (Quantile 1 – Quantile 3) for non-normal variables. Differences between groups assessed using t-test for normally distributed variables, or Mann-Whitney U test for non-normal variables. Significant differences (*p*<0.05) are marked in bold.