

Table S1 – Anthropometric and biochemical variables (mean \pm standard error) in obese and non-obese women stratified by usual homozygous and less frequent alleles carriers for -116G>A, 1615G>A and 1914A>G SNPs.

| Parameter | Obese | | p | Non-obese | | p |
|--------------------------|-------------------------------------|---|--------------|-------------------------------------|---|-------|
| | 116AA + 1615AA + 1914GG (n = 81) | (-116AG+AA) + (1615AG+AA) + (1914AG+GG) (n = 21) | | 116AA + 1615AA + 1914GG (n = 32) | (-116AG+AA) + (1615AG+AA) + (1914AG+GG) (n = 10) | |
| BMI (kg/m ²) | 35.53 \pm 0.61 | 34.37 \pm 0.73 | 0.695 | 21.94 \pm 0.35 | 22.04 \pm 0.54 | 0.916 |
| BChE activity (kU/L) | 5.37 \pm 0.18 | 4.59 \pm 0.35 | 0.009 | 5.23 \pm 0.33 | 4.19 \pm 0.44 | 0.175 |
| HDL-C (mg/dL) | 52.55 \pm 1.58 | 51.24 \pm 2.94 | 0.670 | 54.63 \pm 2.70 | 50.4 \pm 4.34 | 0.440 |
| LDL-C (mg/dL) | 113.00 \pm 3.42 | 123.25 \pm 6.64 | 0.164 | 120.01 \pm 5.84 | 106.3 \pm 5.71 | 0.219 |
| TG (mg/dL) | 148.22 \pm 6.87 | 121.95 \pm 11.40 | 0.026 | 93.41 \pm 6.63 | 120.9 \pm 25.43 | 0.937 |
| TC (mg/dL) | 194.99 \pm 3.90 | 198.85 \pm 7.99 | 0.658 | 190.06 \pm 7.86 | 179.9 \pm 9.35 | 0.322 |

BChE: Butyrylcholinesterase; BMI: body mass index; TG: triglycerides; TC: total cholesterol; HDL-C: high density lipoprotein cholesterol; LDL-C: low density lipoprotein cholesterol.