

**Table S3** - 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 and 1914A>G SNPs.

Parameter	Obese		p	Non-obese		p
	-116AA + 1914GG (n = 88)	(-116AG+AA) + (1914AG+GG) (n = 25)		-116AA + 1914GG (n = 33)	(-116AG+AA) + (1914AG+GG) (n = 11)	
BMI (kg/m <sup>2</sup> )	35.42 $\pm$ 0.59	35.96 $\pm$ 0.64	0.751	21.97 $\pm$ 0.39	21.84 $\pm$ 0.57	0.839
BChE activity (kU/L)	5.33 $\pm$ 0.17	4.91 $\pm$ 0.20	<b>0.002</b>	5.19 $\pm$ 0.32	4.30 $\pm$ 0.50	0.203
HDL-C (mg/dL)	52.57 $\pm$ 1.44	49.08 $\pm$ 1.39	0.948	54.27 $\pm$ 2.63	51.22 $\pm$ 4.76	0.487
LDL-C (mg/dL)	112.63 $\pm$ 3.29	117.7 $\pm$ 3.62	0.211	121.37 $\pm$ 5.82	103.67 $\pm$ 5.66	0.181
TG (mg/dL)	150.76 $\pm$ 6.76	124.63 $\pm$ 6.22	<b>0.046</b>	92.57 $\pm$ 6.48	103.33 $\pm$ 20.56	0.880
TC (mg/dL)	195.16 $\pm$ 3.66	191.6 $\pm$ 4.33	0.661	191. $\pm$ 7.67	174.44 $\pm$ 8.47	0.290

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