

**Table 2.** The rate of change per year in anthropometric measurements and biochemical measures (mean and 95% CI) in the female subjects of the ECPBHS sample according to the linear mixed effects regression models with *TFAP2B* intron 2 VNTR genotype × time interaction.

Characteristics	4/4 genotype	4/5 genotype	5/5 genotype
Body weight (kg)	0.730 (0.441; 1.018)	0.650 (0.509; 0.792)*	0.899 (0.784; 1.015)*
BMI (kg/m <sup>2</sup> )	0.201 (0.100; 0.302)	0.177 (0.127; 0.227)*	0.262 (0.222; 0.303)*
Sum of 5 skinfolds (mm)	1.664 (0.622; 2.706)	1.627 (1.117; 2.136)#	2.259 (1.840; 2.678)#
BF (%)	0.265 (0.083; 0.448)	0.244 (0.155; 0.333)	0.336 (0.263; 0.410)
WC (cm)	0.763 (0.488; 1.037)	0.680 (0.545; 0.815)	0.823 (0.712; 0.933)
HC (cm)	0.620 (0.386; 0.854)	0.525 (0.411; 0.639)*	0.730 (0.637; 0.824)*
WHR (units)	0.003 (0.001; 0.005)	0.003 (0.002; 0.004)	0.003 (0.002; 0.003)
WHtR (units)	0.004 (0.002; 0.006)	0.004 (0.003; 0.004)	0.004 (0.004; 0.005)
Subscapular skinfold (mm)	0.456 (0.180; 0.732)	0.475 (0.340; 0.610)#	0.639 (0.528; 0.750)#
Glucose (mmol/L)	0.004 (-0.0161; 0.0169)	-0.0066 (-0.0146; 0.0014)	-0.0121 (-0.0186; -0.0055)
Insulin (mU/L)	-0.438 (-0.654; -0.221)	-0.451 (-0.556; -0.347)	-0.377 (-0.462; -0.292)
HOMA (units)	-0.097 (-0.150; -0.044)	-0.101 (-0.127; -0.076)	-0.089 (-0.110; -0.068)
Cholesterol (mmol/L)	0.008 (-0.014; 0.031)	0.029 (0.018; 0.039)	0.026 (0.018; 0.035)
HDL-cholesterol (mmol/L)	0.018 (0.007; 0.030)	0.018 (0.012; 0.023)	0.017 (0.013; 0.022)
LDL-cholesterol (mmol/L)	-0.003 (-0.025; 0.020)	0.012 (0.001; 0.023)	0.010 (0.001; 0.019)
Triglycerides (mmol/L)	0.0003 (-0.0156; 0.0162)	0.0068 (-0.0009; 0.0146)	0.0083 (0.0020; 0.0146)

\*  $p < 0.05$  significant difference in the rate of change between *TFAP2B* intron 2 VNTR genotype 4/5 and 5/5

#  $0.05 \leq p < 0.10$  trend in the rate of change between *TFAP2B* intron 2 VNTR genotype 4/5 and 5/5