**S6 Table: Beta Coefficients [95CI] for associations of TERC SNPs rs16847897and rs12696304 with LTL, hTERT, anthropometric indices and metabolic factors of obesity.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | LTL | hTERT | BMI | WC | AdipoQ | HMW-AdipoQ | Insulin | HOMA-IR |
|  | **β (95%CI)** | **β(95%CI)** | **β(95%CI)** | **β(95%CI)** | **β(95%CI)** | **β(95%CI)** | **β(95%CI)** | **β(95%CI)** |
|  | **rs16847897** |
| **GG+GC** | 0.2\*(0.1 to 0.6) | 0.1(0.1 to 0.6) | -0.2\*(-0.1 to -0.6) | -0.2\*(-0.1 to -0.6) | 0.1(0.1 to 0.6) | 0.1(0.0 to 0.6) | -0.1(0.0 to -0.4) | -0.1(0.0 to -0.4) |
| **CC** | -0.5\*\*(-0.1 to -0.7) | -0.2\*(-0.1 to -0.7) | 0.6\*\*(0.1 to 0.7) | 6.5\*\*(1.1 to 8.7) | -0.3\*(-0.1 to -0.7) | -0.2\*(-0.1 to -0.5) | 0.3\*(0.3 to 0.8) | 0.6\*\*(0.1 to 0.8) |
|  | **rs12696304** |
| **CC+CG** | 0.1(0.0 to 0.7) | 0.1(0.1 to 0.6) | -0.2\*(-0.1 to -0.6) | -0.2\*(-0.1 to -0.6) | 0.1(0.1 to 0.6) | 0.1(0.0 to 0.6) | -0.1(0.0 to -0.4) | -0.1(0.0 to -0.4) |
| **GG** | -0.4\*\*(-0.2 to -0.6) | -0.2\*(-0.1 to -0.7) | 0.3\*(0.1 to 0.7) | 1.4\*\*(1.2 to 5.7) | -0.3\*(-0.1 to -0.7) | -0.2(-0.1 to -0.5) | 0.4\*(0.3 to 0.8) | 0.4\*\*(0.1 to 0.8) |

\* *p*<0.05, \*\* *p*<0.01, \*\*\* *p*<0.001, \*\*\*\* *p*<0.0001, No \* = No Significance.

β = Beta Coefficient.

LTL= Leukocyte Telomere Length, hTERT=Human Telomerase Reverse Transcriptase, BMI= Body Mass Index, WC =Waist Circumference, AdipoQ= Adiponectin, HMW-AdipoQ= High Molecular Weight Adiponectin, HOMA-IR= Homeostasis Model Assessment Insulin Resistance.