

Supplementary Table 1: Odds Ratios for overweight vs lean subjects in a population of Saudi individuals for 11 SNPs

| SNP | OR (SE) | 95% CI | P-value |
|------------------------------|----------------|---------------|----------------|
| rs10767664 (<i>BDNF</i>) | 1.029 (0.264) | 0.62 – 1.70 | 0.912 |
| rs3751812 (<i>FTO</i>) | 1.381 (0.338) | 0.86 – 2.23 | 0.187 |
| rs9939609 (<i>FTO</i>) | 1.335 (0.326) | 0.83 – 2.16 | 0.237 |
| rs9941349 (<i>FTO</i>) | 1.295 (0.318) | 0.80 – 2.10 | 0.293 |
| rs10938397 (<i>GNPDA2</i>) | 1.622 (0.399) | 1.00 – 2.62 | 0.049 |
| rs571312 (<i>MC4R</i>) | 1.052 (0.296) | 0.61 – 1.82 | 0.856 |
| rs2815752 (<i>NEGR1</i>) | 1.189 (0.342) | 0.68 – 2.09 | 0.548 |
| rs713586 (<i>RBJ</i>) | 1.286 (0.331) | 0.78 – 2.13 | 0.329 |
| rs543874 (<i>SEC16B</i>) | 1.496 (0.589) | 0.69 – 3.24 | 0.307 |
| rs7359397 (<i>SH2B1</i>) | 0.867 (0.288) | 0.451 – 1.66 | 0.668 |
| rs2867125 (<i>TMEM18</i>) | 1.187 (0.359) | 0.66 – 2.15 | 0.571 |

- OR – Odds Ratio, SE – Standard Error, CI – Confidence Interval