

Supplementary Table 4 –exposure-mediator association; estimated ratios in geometric mean of biomarkers associated with body mass index and waist circumference; complete case analyses limited to controls with complete biomarker data (n=259)

| Biomarker | Ratio of geometric means (95% confidence interval) | | | | | |
|----------------|--|-------------------|-------------------------|----------------|-----------------------|-----------------|
| | Body Mass Index, kg/m ² | | Waist circumference, cm | | Waist-hip ratio | |
| | ≥25 vs. ≥18.5-<25 | ≥30 vs. ≥18.5-<25 | >80-≤88 vs. ≤80 | >88 vs. ≤80 | >0.78-≤0.84 vs. ≤0.78 | >0.84 vs. ≤0.78 |
| | 0.85 | 0.79 | 0.93 | 0.70 | 0.85 | 0.65 |
| Adiponectin | (0.75 to 0.96) | (0.68 to 0.93) | (0.82 to 1.06) | (0.62 to 0.80) | (0.76 to 0.97) | (0.56 to 0.74) |
| | 1.32 | 1.77 | 1.10 | 1.65 | 1.23 | 1.61 |
| IL-6 | (1.12 to 1.56) | (1.43 to 2.19) | (0.92 to 1.31) | (1.38 to 1.98) | (1.03 to 1.47) | (1.33 to 1.96) |
| | 1.20 | 1.60 | 1.21 | 1.53 | 1.18 | 1.51 |
| IL1Ra | (0.91 to 1.57) | (1.12 to 2.28) | (0.90 to 1.61) | (1.14 to 2.06) | (0.88 to 1.57) | (1.10 to 2.07) |
| | 1.16 | 1.17 | 1.02 | 1.06 | 1.10 | 1.08 |
| TNF-alpha | (0.98 to 1.39) | (0.93 to 1.46) | (0.85 to 1.23) | (0.87 to 1.28) | (0.91 to 1.32) | (0.88 to 1.32) |
| | 1.10 | 1.22 | 1.05 | 1.16 | 1.03 | 1.10 |
| TNF-r1 | (1.04 to 1.17) | (1.13 to 1.31) | (0.98 to 1.11) | (1.09 to 1.24) | (0.96 to 1.09) | (1.02 to 1.17) |
| | 1.09 | 1.19 | 1.04 | 1.12 | 1.04 | 1.09 |
| TNF-r2 | (1.03 to 1.16) | (1.10 to 1.28) | (0.97 to 1.11) | (1.04 to 1.19) | (0.97 to 1.11) | (1.02 to 1.17) |
| | 1.49 | 2.69 | 1.40 | 2.39 | 1.35 | 2.13 |
| CRP | (1.17 to 1.90) | (1.96 to 3.69) | (1.08 to 1.81) | (1.83 to 3.11) | (1.04 to 1.76) | (1.59 to 2.84) |
| | 1.30 | 1.49 | 1.24 | 1.57 | 1.16 | 1.53 |
| C-peptide | (1.14 to 1.49) | (1.25 to 1.77) | (1.08 to 1.42) | (1.37 to 1.81) | (1.01 to 1.34) | (1.31 to 1.78) |
| | 1.11 | 1.31 | 1.08 | 1.35 | 1.15 | 1.32 |
| Free estradiol | (1.00 to 1.24) | (1.14 to 1.50) | (0.97 to 1.20) | (1.21 to 1.51) | (1.03 to 1.29) | (1.17 to 1.49) |
| | 1.06 | 1.16 | 0.95 | 1.14 | 0.99 | 1.12 |
| Estrone | (0.94 to 1.19) | (0.99 to 1.35) | (0.84 to 1.07) | (1.01 to 1.30) | (0.87 to 1.12) | (0.98 to 1.28) |