### Supplementary Table 2. ORs and 95% CIs of visceral-to-subcutaneous fat ratio for incident T2DM in men and women in unadjusted and adjusted models

|                  | Men |          |          |          |          | Women |          |          |          |          |
|------------------|-----|----------|----------|----------|----------|-------|----------|----------|----------|----------|
|                  | Quartile 1 (<0.80) | Quartile 2 (0.80–1.07) | Quartile 3 (1.07–1.39) | Quartile 4 (>1.39) | P for trend | Quartile 1 (<0.30) | Quartile 2 (0.30–0.42) | Quartile 3 (0.42–0.59) | Quartile 4 (>0.59) | P for trend |
| Incident T2DM    | 76 (4.5) | 120 (6.8) | 149 (8.8) | 209 (12.4) | <0.001 | 4 (0.4) | 18 (1.8) | 41 (4.1) | 113 (11.0) | <0.001 |
| Unadjusted       | 1 | 1.56 (1.16–2.09) | 2.04 (1.53–2.71) | 3.00 (2.29–3.94) | <0.001 | 1 | 4.72 (1.59–13.99) | 11.02 (3.93–30.89) | 31.65 (11.63–86.12) | <0.001 |
| Model 1          | 1 | 1.44 (1.07–1.93) | 1.78 (1.33–2.38) | 2.54 (1.91–3.36) | <0.001 | 1 | 4.36 (1.47–12.95) | 9.78 (3.47–27.56) | 23.10 (8.36–63.81) | <0.001 |
| Model 2          | 1 | 1.32 (0.98–1.78) | 1.58 (1.18–2.12) | 2.22 (1.67–2.95) | <0.001 | 1 | 3.74 (1.25–11.15) | 7.74 (2.73–21.97) | 16.88 (6.05–47.14) | <0.001 |
| Model 3          | 1 | 1.29 (0.95–1.75) | 1.48 (1.10–1.99) | 2.01 (1.50–2.68) | <0.001 | 1 | 3.52 (1.18–10.54) | 6.73 (2.36–19.19) | 13.06 (4.65–36.68) | <0.001 |
| Model 4          | 1 | 1.17 (0.85–1.62) | 1.28 (0.94–1.74) | 1.55 (1.14–2.11) | 0.027 | 1 | 3.12 (1.02–9.57) | 6.39 (2.20–18.57) | 11.07 (3.89–31.50) | <0.001 |

Values are presented as number (%) or odds ratio (95% confidence interval). Model 1: Adjusted for age, smoking, alcohol consumption, regular aerobic exercise, regular resistance exercise, hypertension, use of lipid-lowering medication, family history of T2DM and menopausal status (only adjusted in women); Model 2: Model 1+body fat mass; Model 3: Model 2+homeostasis model assessment of insulin resistance; Model 4: Model 2+fasting glucose.

OR, odds ratio; CI, confidence interval; T2DM, type 2 diabetes mellitus.