

Supplemental Table1. Subject profiles

| | All | High BAT | Low BAT | <i>P</i> value |
|--|-------------|-------------|-------------|----------------|
| Number | 33 | 17 | 16 | - |
| Age (years) | 23.4±0.58 | 22.4±0.24 | 24.4±1.14 | 0.09 |
| Hight (cm) | 171.0±0.92 | 171.4±1.51 | 170.5±1.07 | 0.64 |
| Weight (kg) | 61.5±1.19 | 61.6±1.74 | 61.3±1.69 | 0.89 |
| BMI (kg/m ²) | 21.0±0.30 | 20.9±0.40 | 21.0±0.47 | 0.85 |
| Body fat content (%) | 17.2±0.83 | 16.5±1.10 | 18.0±1.26 | 0.38 |
| Waist circumference (cm) | 76.4±1.02 | 76.2±1.48 | 76.6±1.45 | 0.86 |
| Abdominal fat area (cm ²) | 124.4±10.24 | 121.2±16.89 | 127.8±11.68 | 0.75 |
| Visceral fat area (cm ²) | 36.7±2.72 | 38.5±4.38 | 34.9±3.21 | 0.52 |
| Subcutaneous fat area (cm ²) | 87.7±8.56 | 82.8±14.17 | 93.0±9.58 | 0.56 |
| Glucose (mg dl ⁻¹) | 80.8±1.09 | 81.3±1.43 | 80.3±1.70 | 0.64 |
| Insulin (mU l ⁻¹) | 4.3±0.38 | 4.7±0.61 | 3.9±0.42 | 0.27 |
| HOMA-IR | 0.87±0.082 | 0.96±0.134 | 0.77±0.090 | 0.26 |

Values are means ± SEMs. Two-sided *P* values were given by using unpaired Student's *t*-test.

There were no significant differences between the high- and low-BAT groups.

BAT, brown adipose tissue. BMI, body mass index. HOMA-IR: homeostatic model assessment for insulin resistance.