

Supplemental Table S4. Baseline Characteristics of the Individuals Classified Metabolically Healthy Obese Defined by the Karelis Criteria

| Variable | Low TyG index (T1, 2) (n=3,489) | High TyG index (T3) (n=638) | P value |
|----------------------------|---------------------------------|-----------------------------|---------|
| Age, yr | 48.9±8.7 | 50.7±8.8 | <0.01 |
| Male sex | 2,718 (77.9) | 207 (32.4) | <0.01 |
| BMI, kg/m ² | 26.6±1.5 | 26.8±1.7 | <0.01 |
| WC, cm | 88.8±5.6 | 87.0±6.7 | <0.01 |
| SBP, mm Hg | 120.8±13.0 | 122.0±14.1 | 0.05 |
| DBP, mm Hg | 76.0±9.7 | 76.4±10.1 | 0.39 |
| Current smoker | 1,259 (36.1) | 103 (16.1) | <0.01 |
| Moderate drinker | 478 (13.7) | 145 (22.7) | <0.01 |
| Physically active | 552 (15.8) | 123 (19.3) | <0.01 |
| Family history of diabetes | 613 (17.6) | 149 (23.4) | <0.01 |
| HbA1c, % | 5.3±0.4 | 5.5±0.4 | <0.01 |
| FPG, mg/dL | 95.2±9.0 | 99.6±9.5 | <0.01 |
| TC, mg/dL | 191.0±34.3 | 198.0±36.9 | <0.01 |
| TG, mg/dL | 91.0±26.5 | 138.1±48.0 | <0.01 |
| LDL-C, mg/dL | 120.6±29.6 | 123.2±33.6 | 0.07 |
| HDL-C, mg/dL | 59.6±11.0 | 59.1±9.2 | 0.21 |
| Cr, mg/dL | 0.9±0.2 | 0.8±0.2 | <0.01 |
| Uric acid, mg/dL | 5.7±1.3 | 5.0±1.3 | <0.01 |
| AST, IU/L | 26.1±13.5 | 24.4±8.7 | <0.01 |
| ALT, IU/L | 25.9±21.5 | 23.0±11.5 | <0.01 |
| GGT, IU/L | 29.5±26.4 | 29.1±35.1 | 0.82 |
| Insulin, μ IU/mL | 6.7±2.7 | 7.4±2.5 | <0.01 |
| hsCRP, mg/L | 0.8±0.8 | 0.9±0.7 | 0.20 |
| HOMA-IR | 1.6±0.7 | 1.8±0.6 | <0.01 |
| TyG index | 8.3±0.3 | 8.8±0.3 | <0.01 |
| Incident DM | 54 (1.5) | 29 (4.5) | <0.01 |

Values are expressed as mean \pm standard deviation or number (%).

TyG, triglyceride glucose; BMI, body mass index; WC, waist circumference; SBP, systolic blood pressure; DBP, diastolic blood pressure; HbA1c, glycosylated hemoglobin; FPG, fasting plasma glucose; TC, total cholesterol; TG, triglyceride; LDL-C, low-density lipoprotein cholesterol; HDL-C, high-density lipoprotein cholesterol; Cr, creatinine; AST, aspartate aminotransferase; ALT, alanine transaminase; GGT, gamma-glutamyl transferase; hsCRP, high-sensitivity C-reactive protein; HOMA-IR, homeostatic model assessment of insulin resistance; DM, diabetes mellitus.