



FIGURE S1. Determination of Insulin Resistance by TG/HDL-C is validated by HOMA-IR calculation in NHANES females. Assessment of insulin resistance by the homeostasis model (HOMA-IR) shows a significantly lower value (* $p < 0.0001$) in subjects deemed insulin sensitive by TG/HDL-C ratio < 2 than those with TG/HDL-C > 3 . HOMA-IR for TG/HDL $< 2 = 1.82 \pm 0.067$ ($n = 559$) and for TG/HDL $> 3 = 3.91 \pm 0.39$ ($n = 208$); values indicate Mean \pm SEM. HOMA-IR = fasting glucose (mmol/l) x fasting insulin [$\mu\text{U/ml}$]/22.5). TG/HDL-C = Triglyceride (TG) to high-density lipoprotein cholesterol (HDL-C) ratio.