Supplemental Fig. S3. Overexpression of miR-146a-5p induced glucose-stimulated insulin secretion assay (GSIS) impairment and senescence in β-TC6 cells. (A) Overexpression of miR-146a-5p impaired GSIS in the absence of stearic acid, respectively. (B, C) The effect of miR-146a-5p mimic (mimic-146a-5p) on senescence genes expression and β-Gal activity in β-TC6 cells, respectively (C: scale bar, 100 μm). (D) The change in cell viability after transfection of mimic. (E) The transfection efficiency of mimic-146a-5p in β-TC6 cells. Each experiment was repeated independently three times. AMO, anti-miRNA oligonucleotides. aP<0.05, bP<0.01, compared with control (Ctrl)+mimic-negative control (NC) group; cP<0.05, dP<0.01, compared with mimic-146a-5p group; eP<0.05.