



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 μ m). (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. ^a $P < 0.05$, ^b $P < 0.01$, compared with control (Ctrl)+mimic-negative control (NC) group; ^c $P < 0.05$, ^d $P < 0.01$, compared with mimic-146a-5p group; ^e $P < 0.05$.