



Supplemental Fig. S4. Overexpression of miR-8114 resulted in impaired glucose-stimulated insulin secretion assay (GSIS) and senescence in β -TC6 cells. (A) Transfection of miR-8114 mimic (mimic-8114) alone induced impairment of GSIS. (B, C, D) Effect of mimic-8114 on senescence genes expression, β -Gal activity and cell viability in β -TC6 cells, respectively (C: scale bar, 100 μ m). (E) The transfection efficiency of mimic-8114 in β -TC6 cells. Each experiment was repeated independently three times. NC, negative control; AMO, anti-miRNA oligonucleotides. ^a $P < 0.05$, ^b $P < 0.01$, ^c $P < 0.001$, compared with control (Ctrl) group; ^d $P < 0.05$, ^e $P < 0.01$, compared with mimic-8114 group; ^f $P < 0.05$.