

Delta cell (A-B) and alpha cell (C-D) percentages in male and female WT (open symbols) and KINGS (filled symbols) islets at 4, 10 and 20 weeks determined through immunofluorescent staining. Delta cell percentage was increased in male and female KINGS mice at 20 weeks compared to sex and aged matched WT littermates (p<0.05, unpaired T test, n=3, 128-258 islets per group). Alpha cell percentages were significantly increased at 10 and 20 weeks in KINGS males and females (p<0.05, unpaired T test, n=3, 128-258 islets per group).

Supplementary figure 2:



Protein expression of ER stress markers BiP, XBP1s, p-eIF-2alpha measured by western blot in islets pooled from 10 week old WT and KINGS mice. In addition, WT islets treated with thapsigargin (TG) to induce ER stress were analysed.