



Supplemental Figure3. β -cell specific *Tsc1* deletion in islets. (A) *Tsc1* mRNA levels were measured by QRT-PCR in islets from mice on a normal chow for 13 weeks. *** $P < 0.001$ compared to control group. (B) Elevated 4E-BP and S6 phosphorylation in islets from *Tsc1^{F/FCre}+* mice. Immunoblot analysis of phospho-4E-BP (p-4E-BP), 4E-BP, phospho-S6 (Ser^{240/244}, p-S6), S6, *Tsc1* and Tubulin were indicated. Islets were isolated and extracts prepared from 13-week-old male mice on normal chow. Each line represents a single mouse. (C) Bar graphs represent quantification using densitometry of the relative amounts of the indicated proteins determined by Western Blots in B. *** $P < 0.001$ compared to the *Tsc1^{F/FCre}* mice.