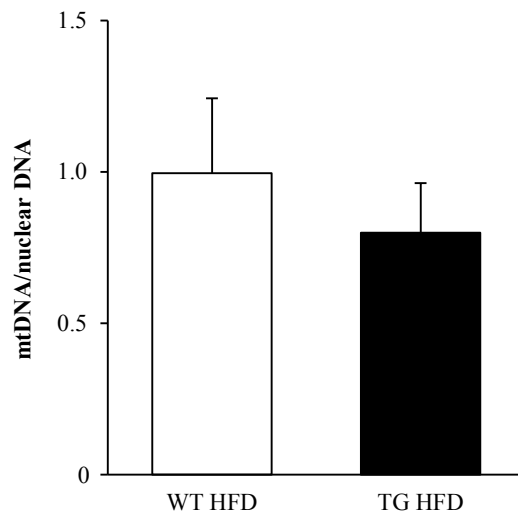


ESM Figure 5



ESM Figure 5. Measurement of mtDNA content in pancreatic extracts of high-fat-fed *Stk25* transgenic and wild-type mice. Relative mtDNA content was calculated as the ratio of a mitochondrial-encoded gene (*Cox1*, forward 5'-ACTATACTACTACTAACAGACCG-3', reverse 5'-GGTTCTTTTTTCCGGAGTA-3') to a nuclear-encoded gene (*Cyclophilin A*, forward 5'-ACACGCCATAATGGCACTGG-3', reverse 5'-CAGTCTTGGCAGTGCAGAT-3') DNA levels, determined by quantitative real-time PCR. The mtDNA content in wild-type mice is set to 1. Data are mean \pm SEM from 10 mice per genotype. HFD, high-fat diet; TG, transgenic; WT, wild-type.