



Supplementary Figure S1: *Irs4* knockout mice are euthyroid. Comparison of pituitary gene expression in adult male wild-type (*Irs4*^{+/y}) and *Irs4* knockout mice (*Irs4*^{Δ4/y}). A) Pituitary *Irs4*, B) *Tshb*, C) *Cga*, D) *Trhr*, E) *Igsf1*, F) *Irs1*, and G) *Irs2* mRNA levels as measured by RT-qPCR. ****, $p < 0.0001$. In all panels, bar heights show group averages. Individual data points are shown.