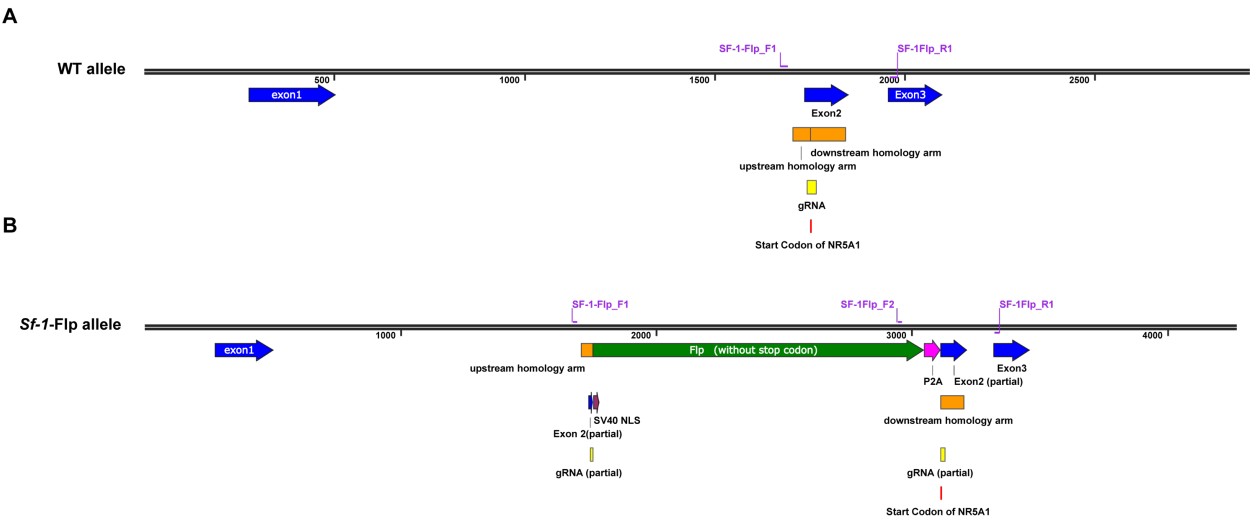
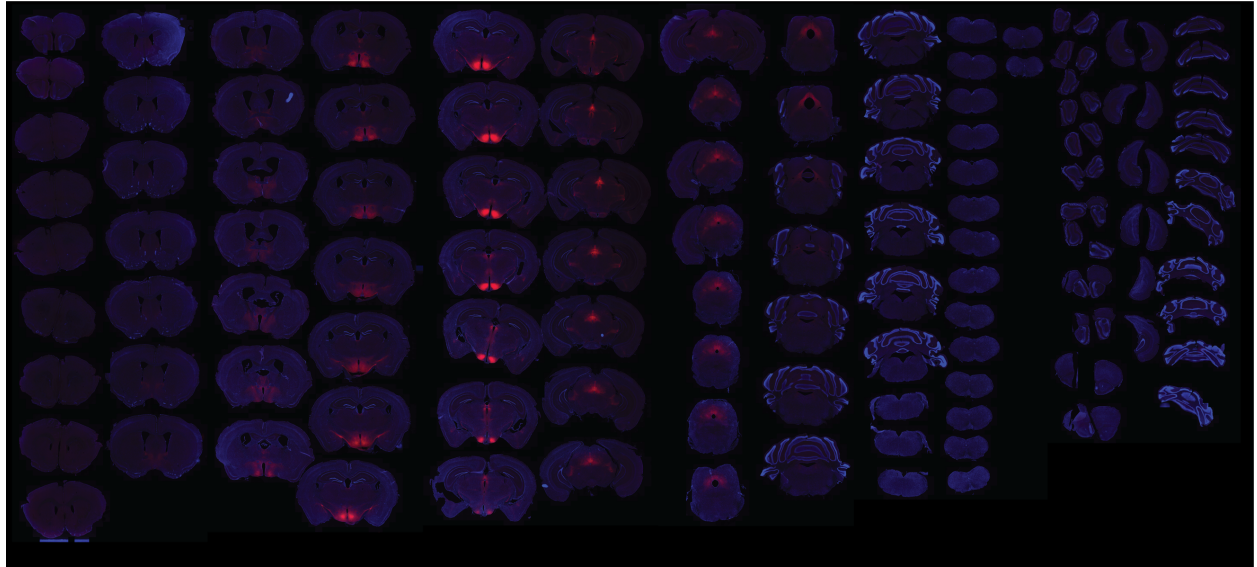


SFigure 1



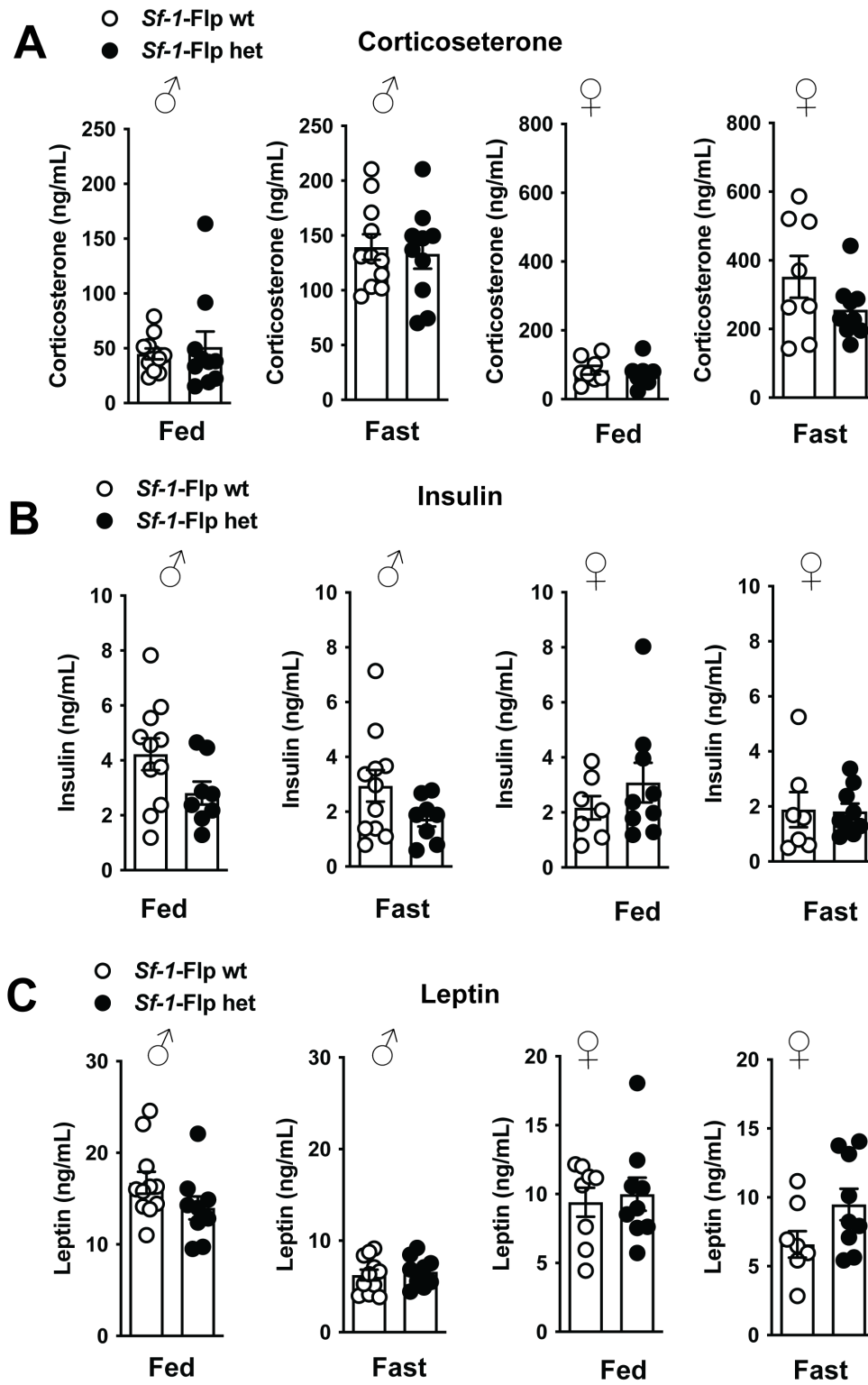
Supplemental Figure 1. The schematic design of *Sf-1-Flp* mice. WT allele (upper) and *Sf-1-Flp* allele (lower) sequences are described. SF-1-Flp_F1, F2, and R3 indicate the location of genotype primers for *Sf-1-Flp* mice.

SFigure 2



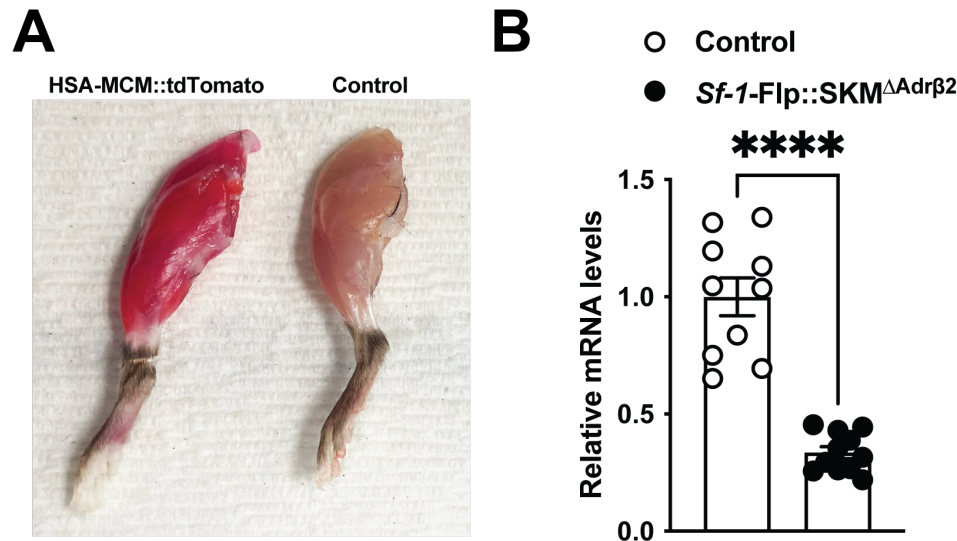
Supplemental Figure 2. Brains sections of *Sf-1-Flp::Ai65f^{TB/-}* mice. Blue color indicates DAPI staining and red color indicates SF-1 positive cells.

SFigure 3



Supplemental Figure 3. *Sf-1*-Flp mice have normal responses of corticosterone, leptin, and insulin to fasting challenge. Blood (A) corticosterone, (B) insulin, (C) and leptin levels in fed and 24-hour fast conditions in *Sf-1*-Flp heterozygous male and female mice. Values are mean \pm S.E.M. Two-tailed unpaired t test was used. N = 7-11.

SFigure 4



Supplemental Figure 4. *Sf-1-Flp::SKM Δ Adrb2* mice has lower *Adrb2* mRNA expression in skeletal muscle. (A) Representative figure of lower limbs of HSA-MCM::Ai14^{TB/-} mice after 4 weeks tamoxifen (TAM) diet. A control group is composed of Ai14 mice. All mice were fed with 4 weeks TAM diet. (B) mRNA levels of *Adrb2* in TA skeletal muscle in *Sf-1-Flp::SKM Δ Adrb2* mice after 4 weeks tamoxifen diet. A control group is composed of *Sf-1-Flp^{+/-}::Adrb2^{flox/flox}* mice. All mice were fed with 4 weeks TAM diet. Values are mean \pm S.E.M. **** $p < 0.0001$. Two-tailed unpaired t test was used. N = 8-