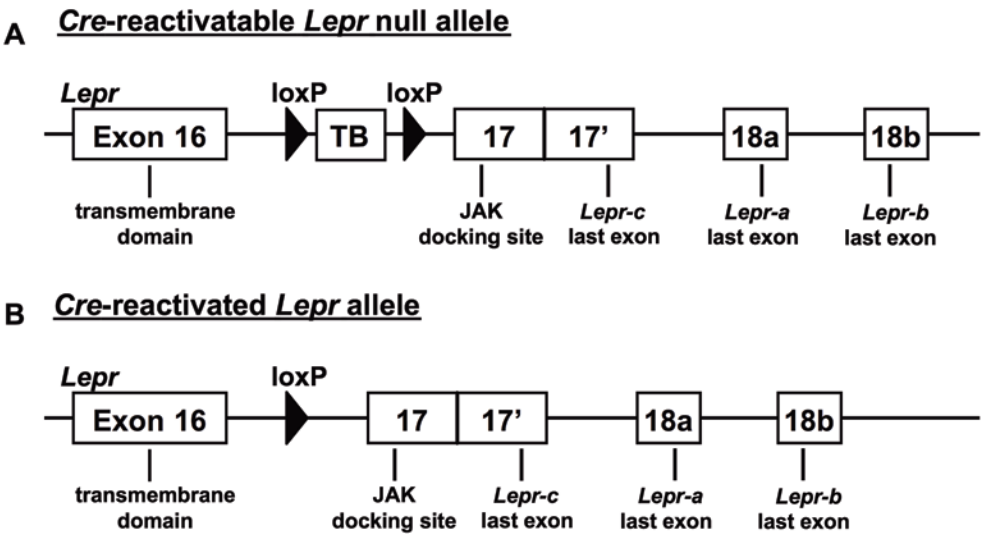
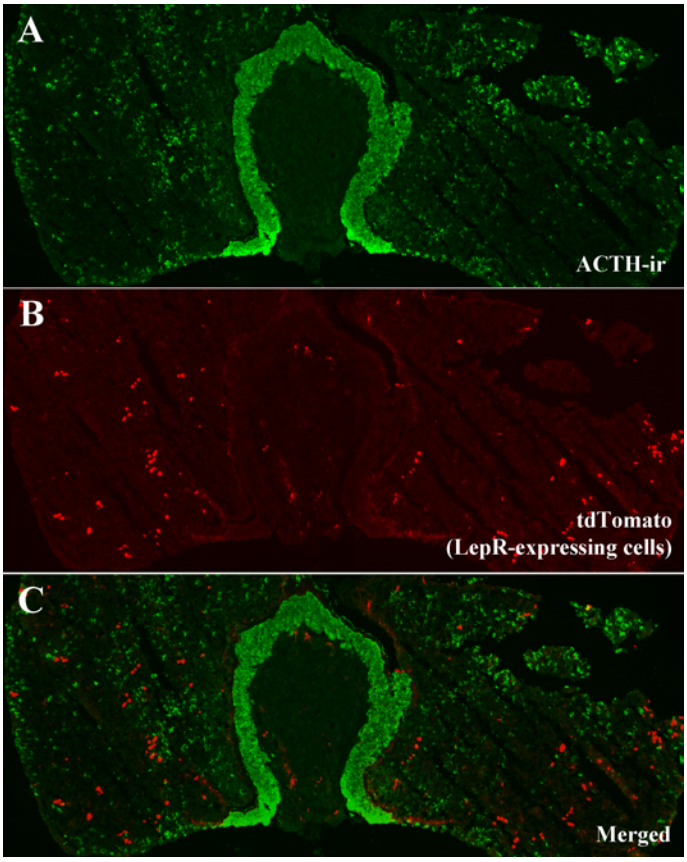


Supplemental Figure 1 – Generation of LEPR loxTB mice. (A) Leptin receptor (Lepr) null mice were generated by inserting a loxP-flanked transcription blocking (TB) sequence in the Lepr gene. (B) Expression of Cre-recombinase removes the TB sequence and restores expression.



Supplemental Figure 2 - Adrenocorticotropic hormone immunoreactive (ACTH-ir) cells do not express leptin receptors (LEPR) in the pituitary of male mice. ACTH-ir cells were immunostained (A) in pituitary sections (20 μm) to detect possible co-localization with the reporter protein tdTomato (B), expressed after Cre-induced recombination in the LEPR-Cre/tdTomato-floxed mice. As can be observed in the merged figure (C), virtually no co-localization was detected.