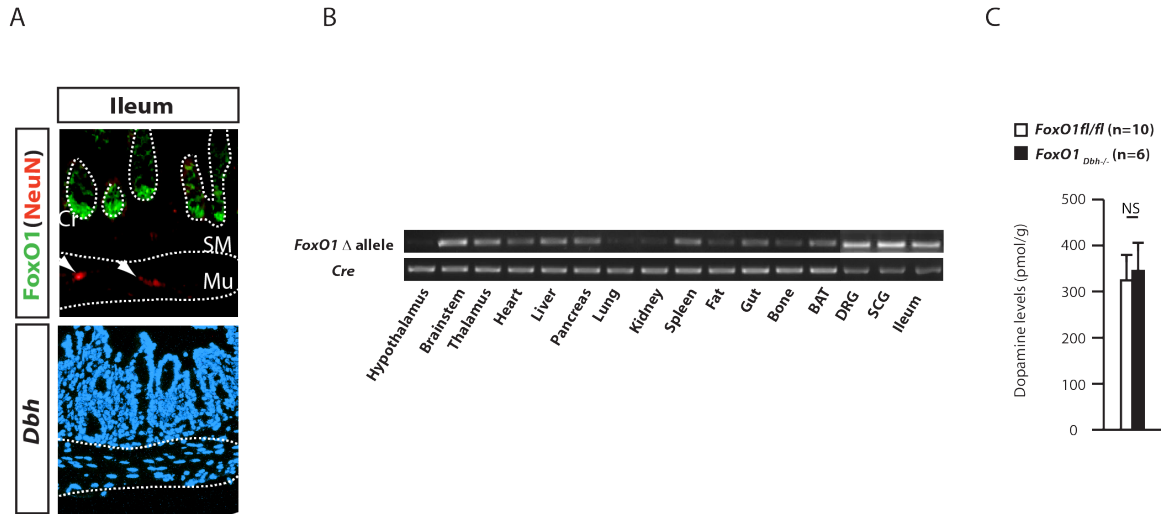


Supplemental information



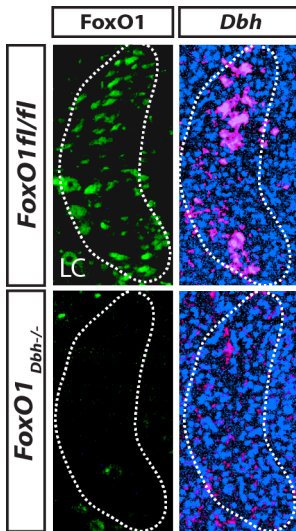
Supplemental Figure 1. (A) FoxO1 and *Dbh* expression in ileum. Cr: Crypts.

SM: Submucosa. Mu: Muscularis. Arrow: Myenteric neurons. (B) Detection of

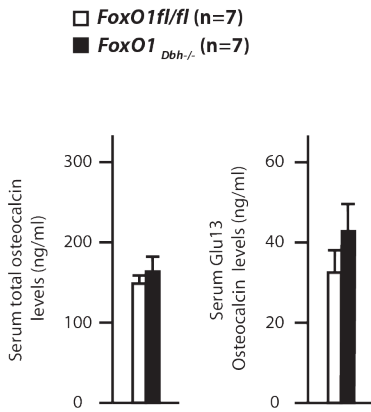
FoxO1 mutant allele in genomic DNA isolated from tissues from *FoxO1^{fl/fl} Dbh-*

cre (*FoxO1^{Dbh-/-}*) female mouse. (C) Dopamine content in the brainstem of 36

week-old *FoxO1^{fl/fl}* and *FoxO1^{Dbh-/-}* mice.



Supplemental Figure 2. FoxO1 and *Dbh* expression in 6 week-old *FoxO1^{fl/fl}* and *FoxO1^{Dbh-/-}* locus coeruleus.



Supplemental Figure 3. Total and Glu13 osteocalcin levels of 36 week-old *FoxO1^{fl/fl}* and *FoxO1^{Dbh-/-}* mice.