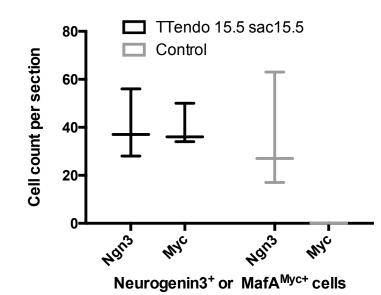
SUPPLEMENTAL FIGURE LEGENDS

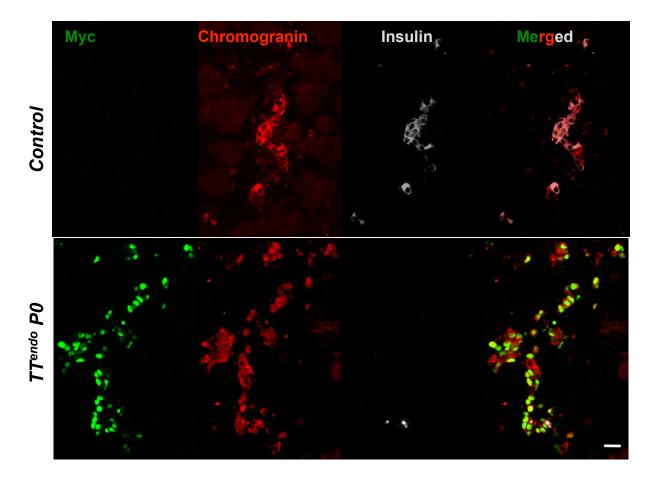
Supplemental Figure 1. Transgene expression in the endocrine progenitors did not affect the formation of Ngn3+ cells. Ngn3 and Myc expressing cells were quantified from E15.5 pancreatic sections from 3 different *TT*^{endo} and control littermates. Median numbers and range of cells in each section are shown. The number of Ngn3⁺ and Myc⁺ cells in *TT*^{endo} E15.5 pancreas were comparable, as were the number of Ngn3⁺ cells in both groups. Myc⁺ cells were not found in the control pancreas.

Supplemental Figure 2. Separated channels of those merged as Figure 3I and J. In control P0 pancreas (Upper Panels) cells (pink, merged image) express ChrgA (red) and insulin (grey pseudo color) but not transgene Myc. In $TT^{endo}P0$ pancreas (Lower Panels) many cells expressed ChrgA (red) and transgene (Myc, nuclear green) but only a few were insulin+ (grey pseudo color). DOX-ON from E7.5 to P0. Magnification bar = 20 µm.

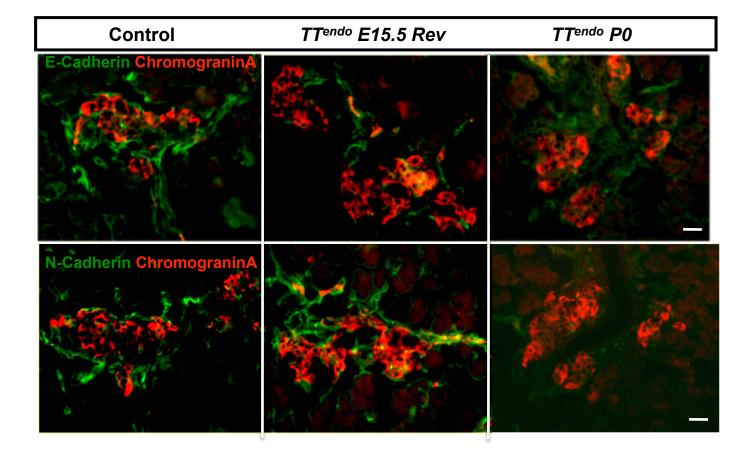
Supplemental Figure 3. Reversible inhibition of adhesion proteins E-Cadherin and N-Cadherin by transgene MafA^{Myc} expression in endocrine progenitors. P0 pancreases

from control, $TT^{endo} P0$ (DOX-ON from E7.5 to P0) and $TT^{endo}E15.5Rev$ (DOX-ON from E7.5 to E15.5) were stained for E-Cadherin and N-Cadherin (green) and ChromograninA (red). TT^{endo} P0 pancreas had large clusters of ChromograninA+ cells, that were comparable in size to those in controls and $TT^{endo}E15.5Rev$ pancreas. However, the expression of adhesion molecules E-Cadherin and N-Cadherin was reduced in TT^{endo} P0 pancreas compared to controls but had recovered by P0 in $TT^{endo}E15.5Rev$ after stopping DOX at E15.5. Magnification bar = 20 µm.





Supplemental Figure 2 Hu He et al. 2013



Supplemental Figure 3 Hu He et al. 2013