

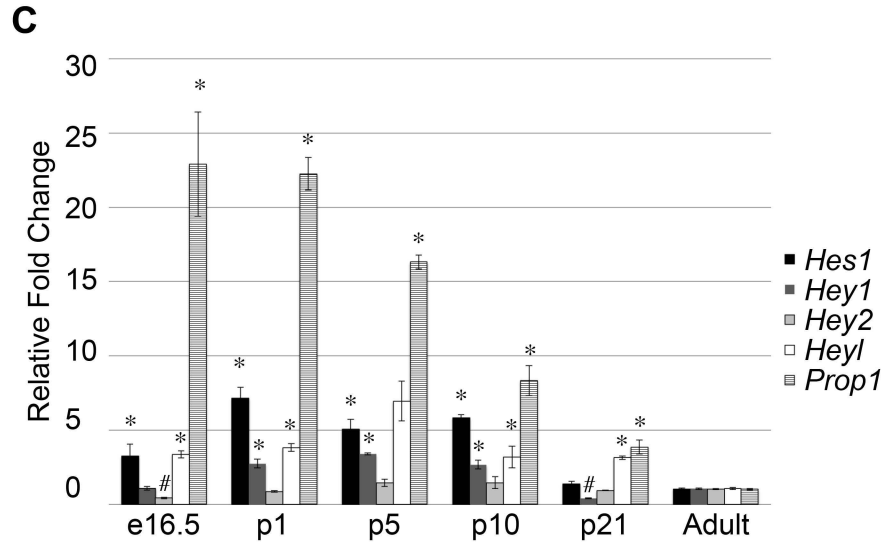
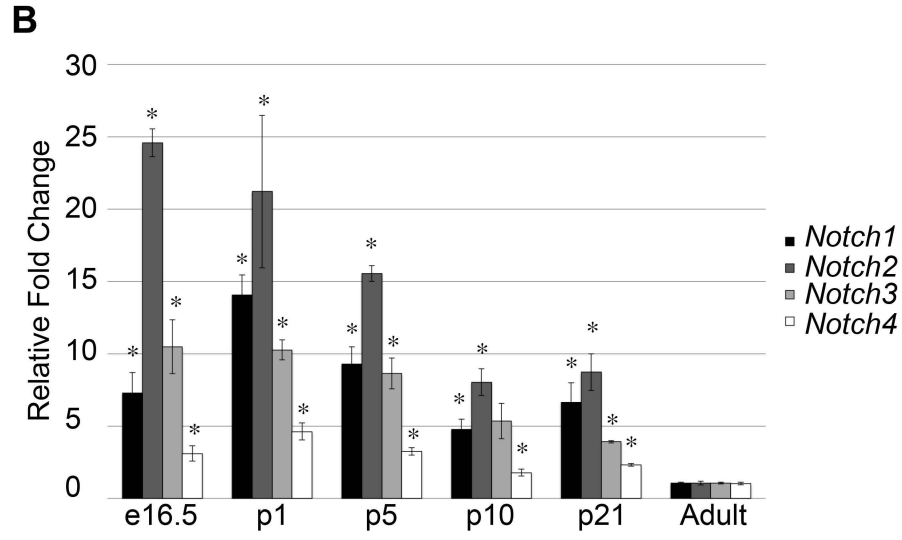
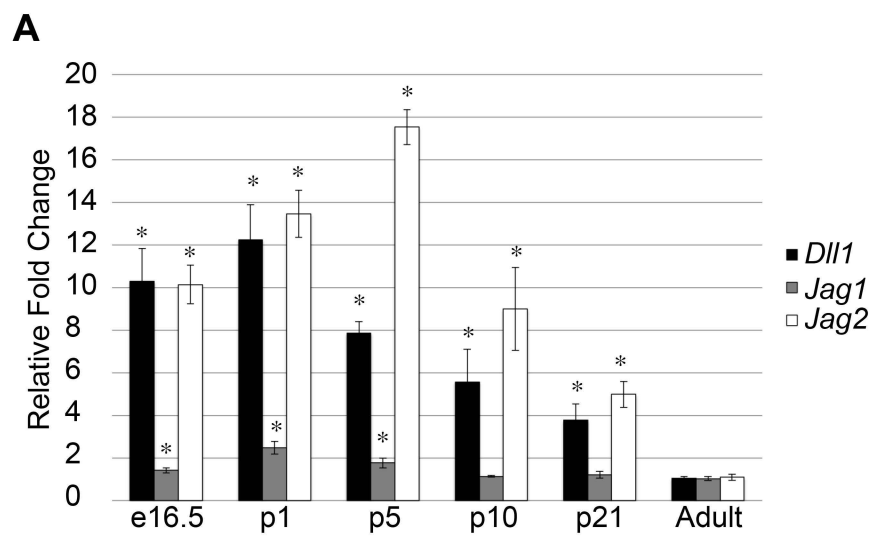
1 Supplemental Table 1. Primers used for qRT-PCR analysis.

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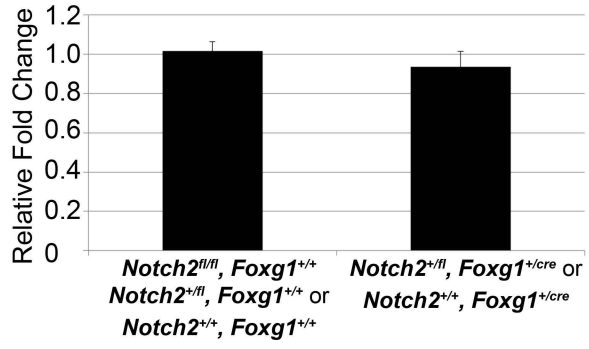
3 Supplemental Figure 1. Characterization of mRNA levels of Notch family members in the pituitary
4 during early postnatal development. mRNA levels of Notch ligands (A), receptors (B) and targets (C)
5 were measured at e16.5, p1, p5, p10 and p21 and were compared to levels found in adult pituitaries. *:p<
6 0.05, significantly increased compared to adult control. #:p< 0.05, significantly decreased compared to
7 adult control and n=4.

8

9 Supplemental Figure 2. *Foxg1 Cre* mice do not display altered pituitary development or ability to
10 influence hypothalamic *Ghrh* neuron number. *Gh* mRNA levels in whole pituitaries of p1 mice with and
11 without a *Cre* transgene were similar (A). *Ghrh* mRNA expression is similar in the arcuate nucleus
12 between control (B) and cKO (C) mice at p1. Photos taken at 200x. Scale bars: 50μm. n=3 (*in situ*
13 hybridization) and n=5-8 (qRT-PCR).

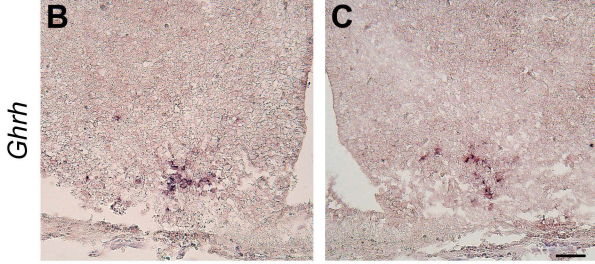


A



Control

cKO



Gene	Forward Primer	Reverse Primer
<i>Gapdh</i>	GGTGAGGCCGGTGCTGAGTATG	GACCCGTTTGGCTCCACCCTTC
<i>Dll1</i>	TAACCTCGTTTCGAGACCTCAAGGG	TGGCACTTGGTGTACGTTTGC
<i>Jag1</i>	TGTAGCCAGAAAGTGACTGGTTG	TGTAGCCAGAAAGTGACTGGTTG
<i>Jag2</i>	TGGACACGAAAGCGCAGGAAAG	ACTGGTTGTTGGCGCTCTCATC
<i>Notch1</i>	TTCCATGATTGCCTCCTGCAGTGG	CAGGATCAGTGGAGTTGTGCCATCATGCA
<i>Notch2</i>	TGCCAACTACTCCACCTCTC	TCCACTGACACTGCTTCC
<i>Notch3</i>	GAAGACCCTTGCCACTCAG	CCACGGAGACAACGACAG
<i>Notch4</i>	GAGGACCTGGTTGAAGAATTGATC	TGCAGTTTTTTCCCTTTTATCCC
<i>Hes1</i>	CTCGCTCACTTCGGACTC	CTCGCTCACTTCGGACTC
<i>Hey1</i>	CACGCCACTATGCTCAAT	CCTTCACCTCACTGCTCTG
<i>Hey2</i>	GATTCCGAGAGTGCTTGAC	AGGTGCTGAGATGAGAGAC
<i>Heyl</i>	GGAACAACAGAGAATGAAC	CAGCAGTAGTGAGTAACC
<i>Prop1</i>	CCAGAACCGCAGGGCTAAG	GGCTATCGGCTGGAGAAGTG
<i>Sox2</i>	GGAGAAAGAAGAGGAGAGAG	CTGGCGGAGAATAGTTGG
<i>Sox9</i>	AGCCGACTCCCACATTTCTCC	GAGATTGCCAGAGTGCTCGCCC
<i>mKi67</i>	CCAGGGATCTCAGCGCAATTACAG	GGATAGGACAGAGGGCCACATTC
<i>Ccne1</i>	GGCTCCGACCTTTCAGTCCGC	TGGGTCTTGCAAAAACACGGCC
<i>Cdkn1c</i>	TCCATCACCAATCAGCCAGCAGAA	ATCGCTGGAGGCCAAGCGTTC
<i>Ccnd1</i>	ATCGCTGGAGGCCAAGCGTTC	CTCCTCACAGACCTCCAGCATCCA
<i>Pit1</i>	AGCTGAGCAGGTCGGAGCTTTGT	GGAAGGCTTGCTGTGCTCCCC
<i>Gh</i>	AACTGAAGGACCTGGAAGAG	GGCGTCAAACCTTGTCATAGG
<i>Tshb</i>	TGGTCAGGCAGTAGGCACACTCT	GTGGGTGGAGAAGAGTGAGC
<i>Tpit</i>	GATGCCAAGGAGAGAAACC	AGCTTTTCTATCAAATTCCTGA
<i>Pomc</i>	GTTACGGTGGCTTCATGACCTC	CGCGTTCTTGATGATGGCGTTC
<i>Crhr1</i>	TTTGCTGCCCTGCACCTTTAGAC	AGTGACAGAAAGCTGGCTTGGC
<i>Pax7</i>	GCACAGAGGACCAAGCTCAC	TGGTGGTGGGGTAGGTAGAG
<i>Gnrhr</i>	ATGATGGTCGTGATTAGC	ATTGCGAGAAGACTGTGG
<i>Nr5a1</i>	AAATTCCTGAACAACCACAGC	GCATCTCAATGAGAAGGTTG
<i>Lhb</i>	CCCAGTCTGCATCACCTTCAC	GAGGCACAGGAGGCAAAGC