Supporting Information

Meechan et al. 10.1073/pnas.0905696106

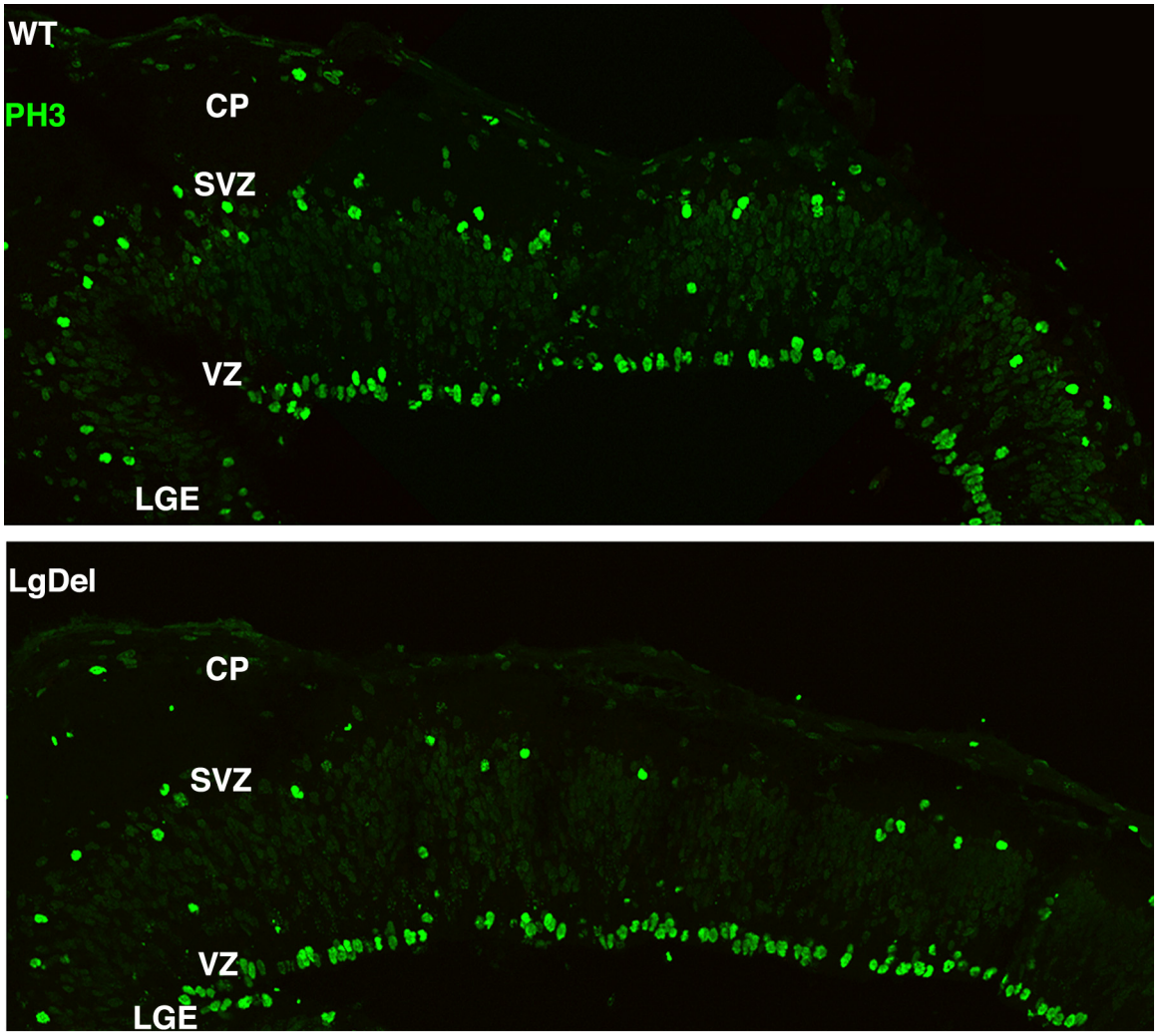

Fig. S1. Frequency of PH3 labeled basal progenitors is visibly altered in the LgDel cortex from the corticostriatal boundary (LGE) through the cortical hem (not seen in these images). Montages from E13.5 WT and LgDel littermates are shown here.

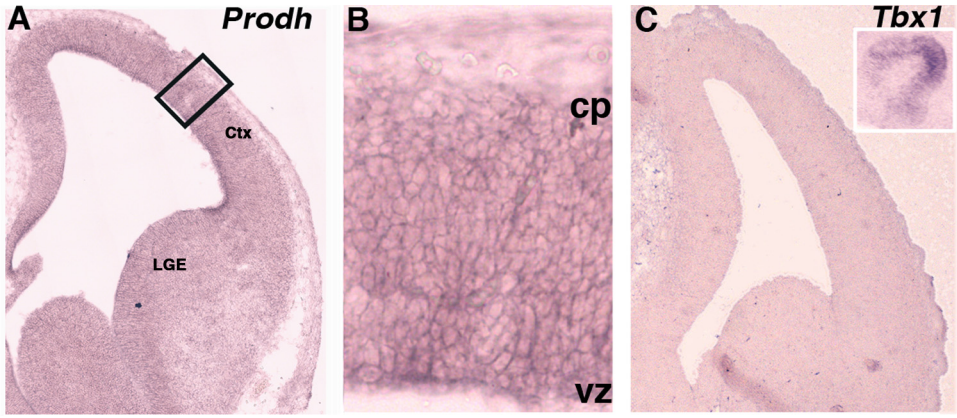

Fig. S2. Expression of neither *Prodh* nor *Tbx1* is selectively enhanced in the cortical ventricular zone (VZ)/sub(S)VZ at embryonic day (E)13.5 (*A*) Prodh is expressed uniformly in the cortical neuroepithelium (Ctx). However, there may be some enhancement in the VZ/SVZ of the lateral ganglionic eminence (LGE). (*B*) Higher magnification of the cortex at region boxed in *A* shows the uniform distribution of Prodh from VZ through cortical plate (CP). (*C*) *Tbx1* cannot be detected in the E13.5 cortex. However, it is robustly expressed in the dental epithelium of the toothbuds at E13.5 (*Inset*).

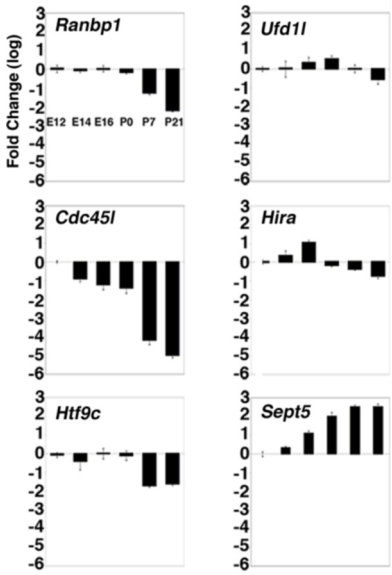

Fig. S3. Quantitative PCR (qPCR) measurement of brain expression shows that ventricular zone (VZ)-enhanced 22q11 genes (*Ranbp1*, Cdc45l) reach expression maxima during cortical neurogenesis (E12–16) and decline considerably during postnatal life. Genes enhanced in both the VZ and cortical plate (CP) (*Htf9c*, *Ufd1l*), or expressed broadly (*Hira*) have less dramatic temporal variation, and the one CP gene (*Sept5*) increases as neurogenesis ends. For each gene, expression levels are displayed relative to E12.5.

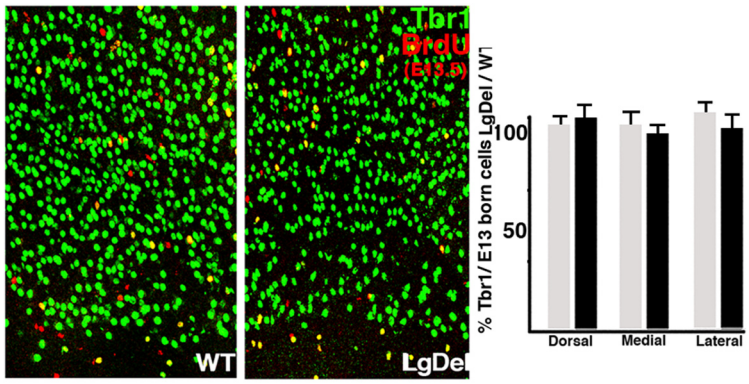

Fig. S4. Layer 5/6 neurons in P5 mouse birthdated with BrdU at E13.5 and double-labeled for BrdU and Tbr1 do not differ in frequency between LgDel at WT cortex at P5.

Table S1. DNA sequences for qPCR primers

Gene	Forward primer	Reverse primer
Sestrin2	GGATTATACCTGGGAAGACC	CGCAGTGGATGTAGTTCC
CyclinD1	GGGCACCTGGATTGTTCT	CACCGGAGACTCAGAGCA
E2f2	GCCACCACCTACTACACTTCG	CGGAATTCAGGGACCGTAG

Table S2. Antibodies used for immunolabeling of tissue sections

Antibody to	Host species	Concentration	Company
Cux1	Rabbit	1:100	Santa Cruz Biotechnology
NeuN	Mouse	1:500	Millipore
PH3	Mouse	1:200	Cell Signaling Technology
Calbindin	Rabbit	1:2,000	Swant
Parvalbumin	Rabbit	1:2,000	Swant
Tbr2	Rabbit	1:500	Abcam
Cyclin D1	Mouse	1:250	Santa Cruz Biotechnology
Sestrin 2	Rabbit	1:50	Protein Tech Group
E2f2	Mouse	1:400	Santa Cruz Biotechnology
Nestin	Mouse	1:1,000	Millipore
Doublecortin	Rabbit	1:250	Cell Signaling Technology
BrdU	Mouse	1:100	BD Biosciences
Tbr1	Rabbit	1:2,500	Millipore