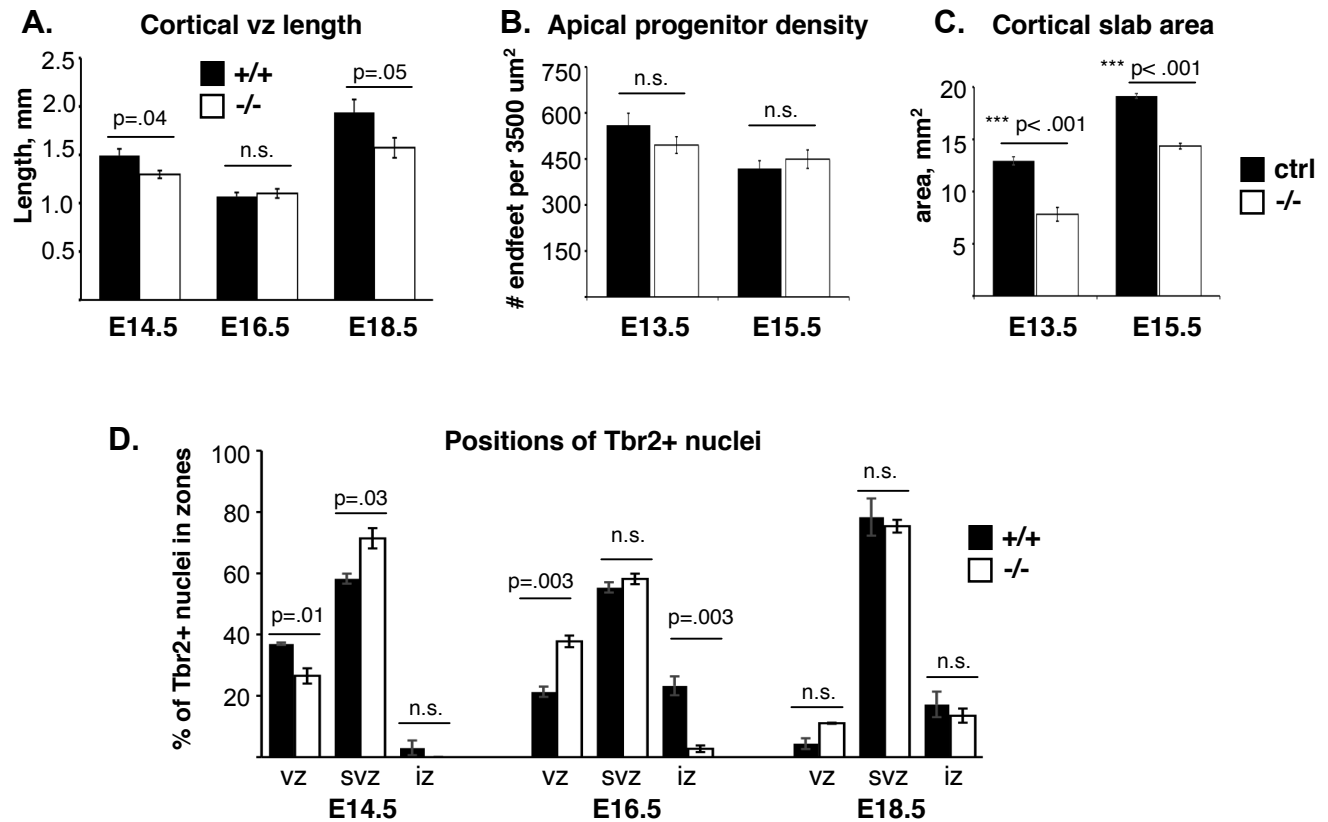


**Figure S1. (Supplement to Figure 1)**

**Cortical hemisphere area of *magoo* mutants is reduced at all ages.**

Dorsal views of whole forebrains of E14.5 and E16.5 embryos. Scale bar, 1mm for all panels.



**Figure S2. (Supplement to Figure 2)**

A. Neocortex ventricular zone contour length is slightly reduced in cortical sections of E14.5 and E18.5 *magoo* mutants. Sections at the level of the hippocampus were compared. Curve length was measured between the ventricle “corners” at the cortico-striatal boundary and the dorsal midline. For E14.5, n=10 mutant and 16 control hemisections. For E16.5, n= 15 mutant and 16 control hemisections. For E18.5, n= 9 mutant and 6 control hemisections.

B. Cortical apical progenitor density is similar in controls and *magoo* mutants at E13.5 and E15.5. The number of apical progenitor endfeet per field were counted in images of zo-1 staining on cortical slabs such as in Figure 7G,H. The number of neocortical apical endfeet should be very close to the number of neocortical Pax6+ nuclei. For E13.5, n= 9 control hemispheres from 8 animals, n=8 mutant hemispheres from 5 animals. For E15.5, n= 10 control hemispheres from 6 animals, n= 4 mutant hemispheres from 2 animals.

C. Cortical slabs (trimmed to neocortex only) from *magoo* mutant brains had significantly reduced apical surface area. n’s are same as for graph in B.

D. The positions of Tbr2+ nuclei were scored in vz, svz, or iz (intermediate zone).

In E16.5 mutants, a higher percentage of the Tbr2+ nuclei are located in the vz, compared to controls. n’s are same as for Figure 2B-D.

**Table S1. Antibodies used**

Antigen	Manufacturer	Manufacturer Location	Catalogue #	Host Species	Dilution
<b>Primary Antibodies:</b>					
4a4 (phospho-vimentin) (Ser55, IgG2b)	Medical and Biological Labs	Nagoya, Japan	D076-3	Mouse monoclonal	1:500
Anillin	Santa Cruz	Santa Cruz, CA, USA	sc-67327	Rabbit polyclonal	1:300
Aurora B	Abcam	Cambridge, MA, USA	ab13824	Mouse monoclonal	1:300
BrdU (clone 3D4)	BD Biosciences,	San Jose, CA, USA	555627	Mouse monoclonal	1:100
Catenin (beta)	Gift from B. Gumbiner	Charlottesville, VA, USA		Rabbit polyclonal	1:1000
Cleaved Caspase 3 (Asp175)	Cell Signaling	Danvers, MA, USA	9761	Rabbit polyclonal	1:200
Ctip2	Abcam	Cambridge, MA, USA	ab18465	Rat polyclonal	1:500
Cux1	Santa Cruz	Santa Cruz, CA, USA	sc-6327	Goat polyclonal	1:500
Ki67 (Alexa Fluor 647-conjugated)	eBioscience	San Diego, CA, USA	51-5698-80	Rat polyclonal	1:500
KIF20B (MPP1, human)	Gift from F.Pirollet	Grenoble, France		Rabbit polyclonal	1:500
Kif20b (mouse)	Covance (custom-made)	Princeton, NJ, USA		Rabbit polyclonal	1:300
MPM2	EMD Millipore	Billerica, MA, USA	05-368	Mouse monoclonal	1:250
Pax6	DSHB	Iowa City, IA, USA	PAX6	Mouse monoclonal	1:100
Pax6	Covance	Princeton, NJ, USA	PRB-278P	Rabbit polyclonal	1:50 (paraffin)
Phosphohistone H3 (Ser 10, Alexa Fluor 647)	Cell Signaling	Danvers, MA, USA	3458	Rabbit polyclonal	1:200
Phosphohistone H3 (Ser 10)	EMD Millipore	Billerica, MA, USA	06-570	Rabbit polyclonal	1:200
Tbr2	Abcam	Cambridge, MA, USA	ab31940	Rabbit polyclonal	1:500
Tbr2	eBioscience	San Diego, CA, USA	14-4875	Rat monoclonal	1:50 (paraffin)
Tbr2	EMD Millipore	Billerica, MA, USA	AB15894	Chicken polyclonal	1:400
Tuj1	Covance	Princeton, NJ, USA	MMS-435P	Rabbit polyclonal	1:1000
ZO-1	Life technologies (formerly Invitrogen)	Grand Island, NY, USA	61-7300	Rabbit polyclonal	1:200
ZO-1 (R26.4C)	DSHB	Iowa City, IA, USA	R26.4DC	Rat polyclonal	1:200
<b>Secondary Antibodies:</b>					
IgG (H+L) conjugated to Alexa fluorophores	Life technologies (formerly Invitrogen)	Grand Island, NY, USA	A11008,A11001, A11036,A11006, A11004,A11077	Goat polyclonal	1:200
IgG rat biotin-conjugated	ThermoFisher Scientific	Pittsburgh, PA, USA	NC9502806	Goat polyclonal	1:200
IgM mouse biotin-conjugated	Vector	Burlingame, CA, USA	NC9023089	Goat polyclonal	1:200