



Supplemental Figure S8: *Pard3* deletion randomizes the mitotic spindle orientation of dividing RGPs. (A) Representative confocal images of mitotic RGPs stained for P-VIMENTIN (green) and counter-stained with DAPI (blue) at E14.5 in the control and *Pard3* cKO cortices. Broken lines indicate the contour of dividing RGPs and arrows indicate the cleavage plane. Scale bars: 5 μ m. (B) Percentage of the dividing RGPs with 60°-90° (blue), 30°-60° (red), or 0°-30° (green) mitotic cleavage plane orientation, determined as the angle between the mitotic cleavage plane and the VZ surface, in the control (n=3) or *Pard3* cKO (n=3) cortices at E14.5 (Chi-square test). Note that the mitotic cleavage plane of dividing RGPs at or away from the VZ surface becomes randomized in the *Pard3* cKO cortex compared with the control.