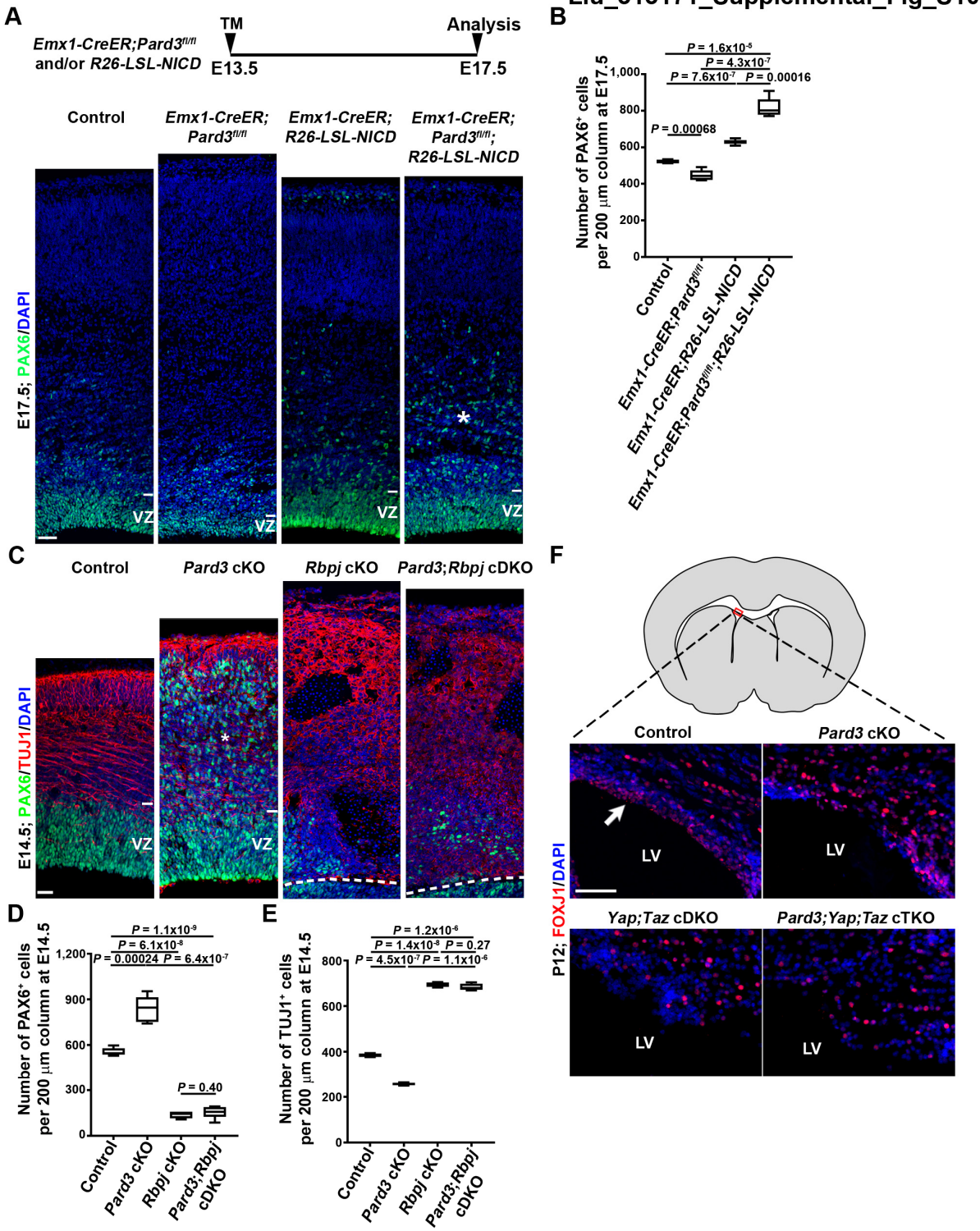
Liu_313171_Supplemental_Fig_S10



Supplemental Figure S10: Functional interaction between PARD3 and NOTCH signaling. **(A)** Representative confocal images of E17.5 control *Emx1-CreER;Pard3*$^{fl/fl}$, *Emx1-CreER;R26-LSL-NICD,* and *Emx1-CreER;Pard3*$^{fl/fl}$*;R26-LSL-NICD* (from left to right) cortices stained for PAX6 (green) and counter-stained for DAPI (blue). Asterisk indicates the ectopic PAX6^{+} cells in *Pard3* cKO cortex. Scale bar: 30 μm. **(B)** Quantification of the number of PAX6^{+} cells per 200 μm radial column in VZ (blue) and extra-VZ (red) of E17.5 cortices (n=6 per genotype; unpaired two-tailed t-test with Welch's correction). **(C)** Representative confocal images of E14.5 control, *Pard3* cKO, *Rbpj* cKO, and *Pard3;Rbpj* cDKO (from left to right) cortices stained for PAX6 (green) and TUJ1 (red), and counter-stained for DAPI (blue). Asterisk indicates the ectopic PAX6^{+} cells in *Pard3* cKO cortex. Broken lines indicate the VZ surface. Scale bar: 30 μm. **(D, E)** Quantification of the number of PAX6^{+} (d) and TUJ1^{+} (e) cells per 200 μm radial column of the cortex at E14.5 (n=4 per genotype; unpaired two-tailed t-test with Welch's correction). **(F)** Representative confocal images of P12 control, *Pard3* cKO, *Yap;Taz* cDKO, and *Pard3;Yap;Taz* cTKO cortices stained for FOXJ1 (red), an ependymal cell marker, and counter-stained with DAPI (blue). The schematic of the dorsal surface of the lateral ventricle where the images were taken is shown at the top. Arrows indicate FOXJ1^{+} ependymal cells at the dorsal side of the lateral ventricle. LV, lateral ventricle. Scale bar: 70 μm. For all box-whisker plots: center line, median; box, interquartile range; whiskers, minimum and maximum.