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Mutations in -Tubulin Cause Abnormal Neuronal Migration in Mice and Lissencephaly in Humans

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Figure S1









Figure S2: NissI stains of the retrosplenial, motor, visual, somatosensory and auditory cortices. Arrows indicate wave-like perturbations in layer IV of the visual, somatosensory and auditory cortices. Scale bar shows 200 µm.



Figure S3: Dendritic orientation in the visual, somatosensory and motor cortices in littemate control (n=3) and *Jna/*+ mice (n=3). No differences were observed in the percentage of neurons with misorientated (θ >8°) apical dendrites or with inverted apical dendrites (θ >90°). Scale bar shows 200 µm.

Figure S4





Control

Jna/+

Jna/+/BAC







Amygdala

Cortex



Figure S4: Panels A-I show cresyl violet, FOXP2 and calbindin staining of the cerebellum. No abnormalities in the laminar structure of the cerebellum were observed in Jna/+ mice . Scale bar shows 200 µm. Panels J-K show Brn-1 staining in the cortex, confirming an intact laminar structure. Scale bar shows 100 µm. Panels M to P show cresyl violet staining of the amygdala (M-P). The amygdala appears normal in mutant animals. Scale bar shows 500µm.