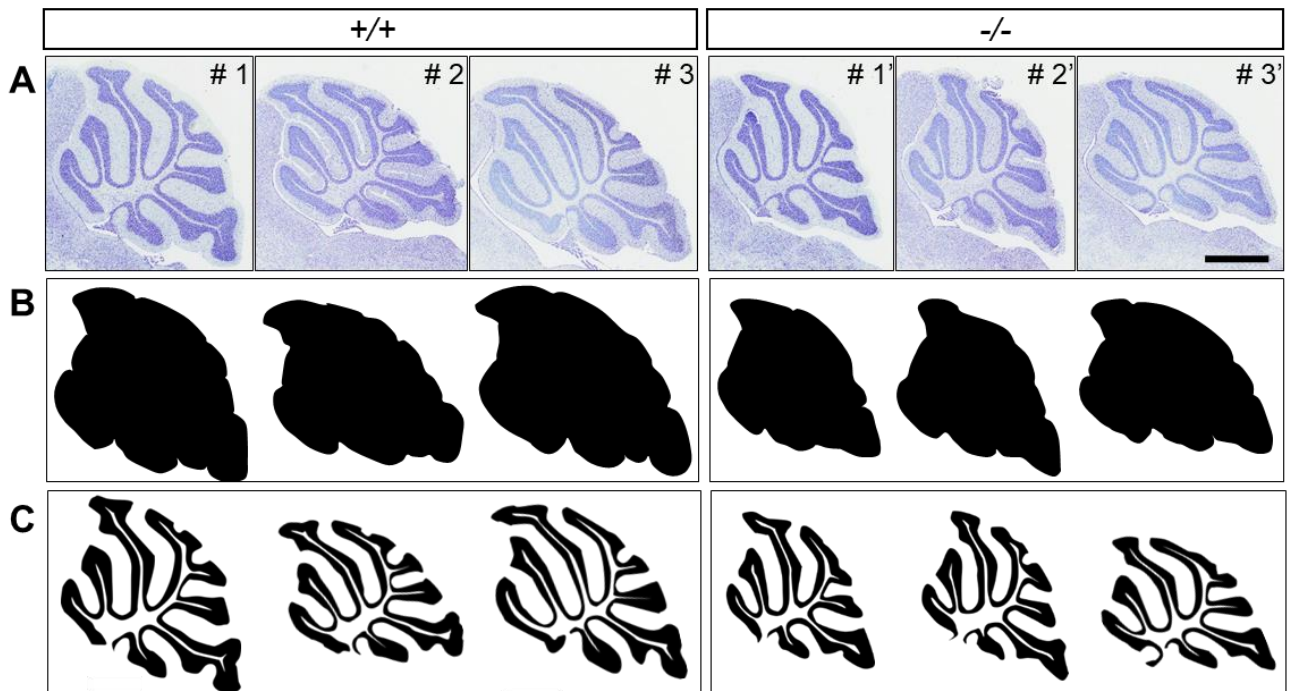


Additional file 1



Additional file 1. The gross anatomy of the cerebellum is normal in *Gnao*^{-/-} mice. (a) Cresyl violet staining of mid-sagittal sections of the cerebellum from *Gnao*^{-/-} mice show roughly 25% reductions in size relative to those of *Gnao*^{+/+} mice. (b) Total surface area of each sections converted from a and utilized to calculate total area of the middle sagittal sections shown in Fig. 1h. (c) The GCL images extracted from a and utilized to calculate the GCL area shown in Fig. 1j. GCL areas are also detected of smaller size in *Gnao*^{-/-} mice. Scale bar, 1 mm.