

Cell counts on adult brain sections immunostained for TBR1: Cryosectioning of adult brains and immunostaining for TBR1 were performed as described for embryonic brains. Cell counts were performed on coronal sections of a single hemisphere per animal (8 weeks of age, n = 5 / genotype / treatment) using counting boxes (500 μm wide) that were placed in the primary somatosensory cortex (S1) around Bregma level 0.50 mm (Paxinos and Franklin, 2012)*. Boxes spanned the entire thickness of the cortex (white matter to pia) and were divided into 12 equidistant bins. The average density of TBR1+ cells / 100 μm^2 for each bin was statistically analyzed and graphically represented using Microsoft Office Excel software. Results are expressed as the mean \pm standard deviation (SD). The unpaired, 2-tailed Student's *t*-test and the χ^2 test were used for statistical analysis. As the laminar distribution of labelled cells was measured, we applied the Benjamini–Hochberg procedure to correct for multiple testing. Values of $P \leq 0.05$ were considered to be statistically significant.

* Paxinos G, Franklin K. 2012. Mouse brain in stereotaxic coordinates. New York: Academic Press.