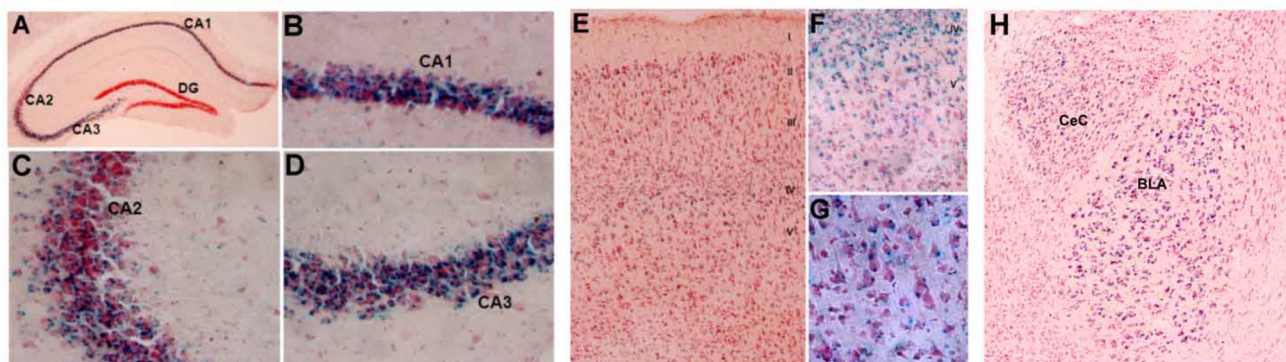
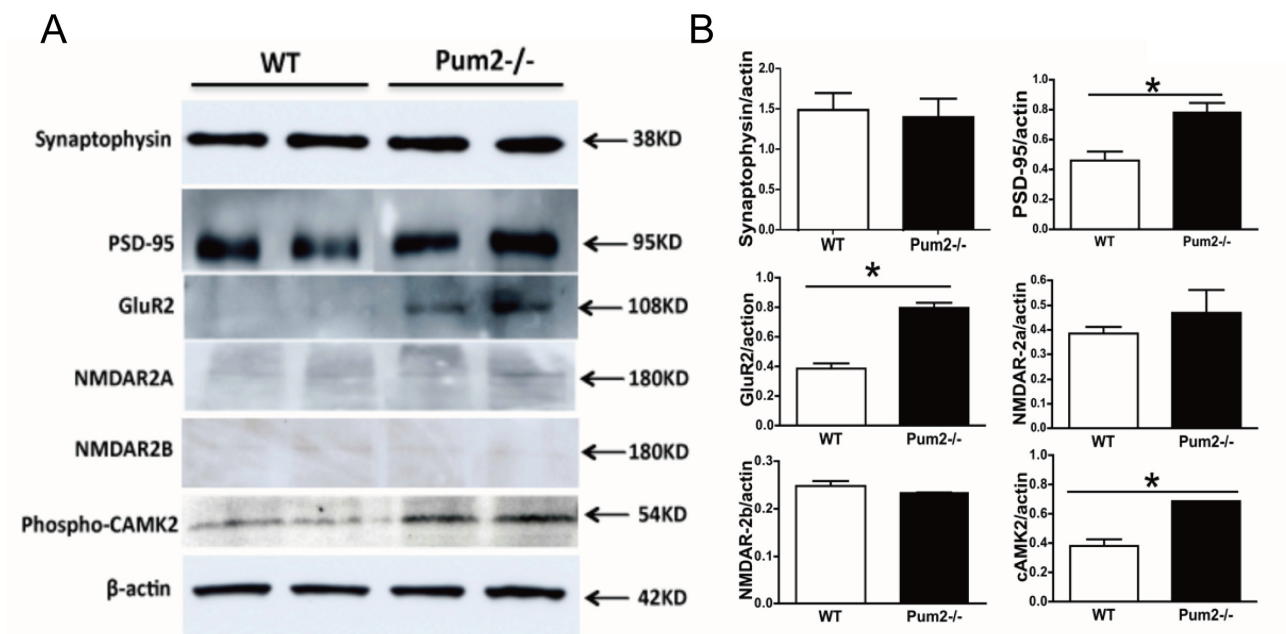


Pumilio2 regulates synaptic plasticity via translational repression of synaptic receptors in mice

SUPPLEMENTARY MATERIALS



Supplementary Figure 1: Coronal sections of mouse brain from heterozygote *Pum2* gene trap mice *Pum2*^{NE772} was stained with X-gal. LacZ Positive cells staining blue color, indicative of *Pum2* mRNA expression, were seen in many brain regions of the mice, including the hippocampus (A–D), frontal cortex (E–G) and the amygdala (H). Nuclei stained red in the images).



Supplementary Figure 2: Western blot analysis of synaptic related protein expression in the hippocampus in the absence of *Pum2*. (A) PSD95, GLUR2, and phospho-CAMK2 were significantly increased in *Pum2*^{-/-} mice. (B) Western blot signal intensity was quantified showing significant increases in *Pum2*^{-/-} mutant tissues for PSD-95, GLUR2, and CAMK2. *means $p < 0.05$. Data represent as mean \pm SEM.

