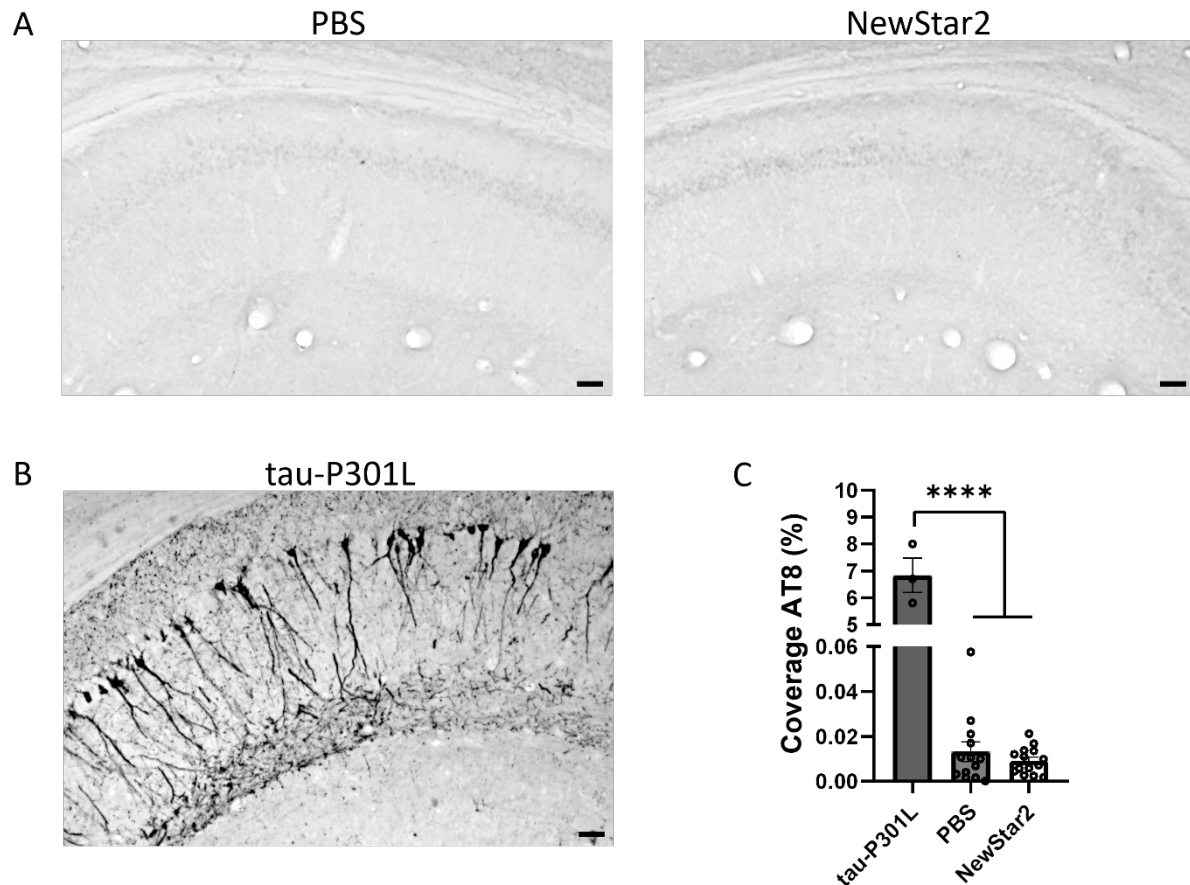


## Supplementary Material

### Activation of TNF Receptor 2 Improves Synaptic Plasticity and Enhances Amyloid- $\beta$ Clearance in an Alzheimer's Disease Mouse Model with Humanized TNF Receptor 2



**Supplementary Figure 1.** Tau phosphorylation is absent in J20xhuTNFR2-k/i mice. A) Representative hippocampal images of tau phosphorylation (AT8) after PBS or NewStar2 administration in J20xhuTNFR2-k/i mice (Scale bar, 50  $\mu$ m). B) Representative hippocampal image of tau phosphorylation (AT8) in the tau-P301L mouse strain used as positive control (Scale bar, 50  $\mu$ m). C) Quantification of AT8 coverage in hippocampus (tau-P301L, n=3; PBS, n=13; NewStar2, n=14;  $p < 0.0001$ ; one-way ANOVA, Tukey post hoc analysis). Data are presented as mean  $\pm$  SEM. \*\*\*\* $p < 0.0001$ .