

**Supplementary figure 1 Timeline of surgery, treatment and behavioral test in rats.** ICV: Intracerebroventricular

**A picture containing logo

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**Supplementary figure 2:** **Effects of tau deletion on the levels of synaptic proteins.** (A-B) Representative blots and quantification of the protein expression levels of SNAP25, synaptophysin, PSD95 and Total-tau in SH-SY5Y cells in the control and Tau siRNA groups. n = 3 cell experiments per group; \*\*p < 0.01, \*\*\*p <0.001 vs. control group; Quantifications of the blots were normalized to β-tubulin.