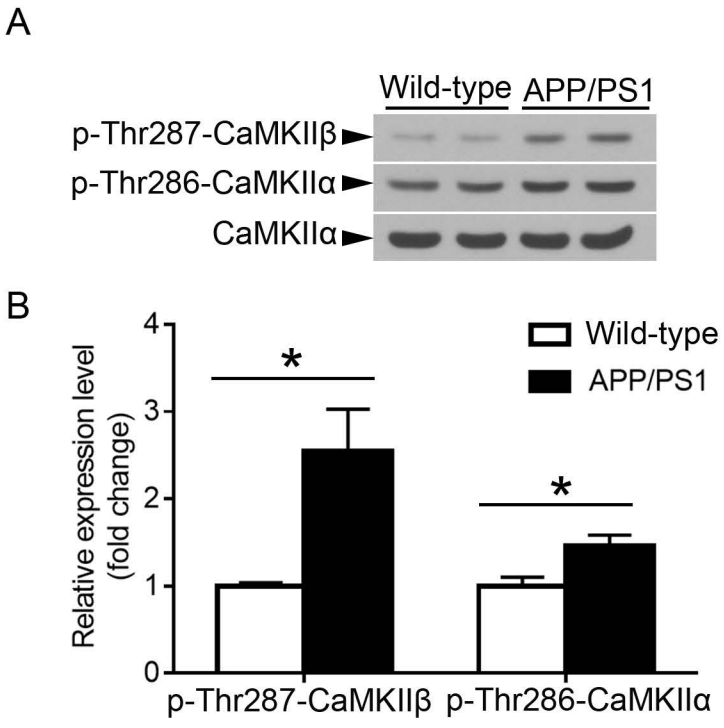

Figure S1. Changes in CaMKII phosphorylation in 3-month-old APP/PS1 mice.
(A) The phosphorylation level of CaMKII was analyzed by western blot analysis.
(B) Quantification of p-Thr287-CaMKIIβ or p-Thr286-CaMKIIα/CaMKII level in the hippocampus ($n = 5$, $^*p < 0.05$, APP/PS1 vs. Wild-type, Student's t-test).

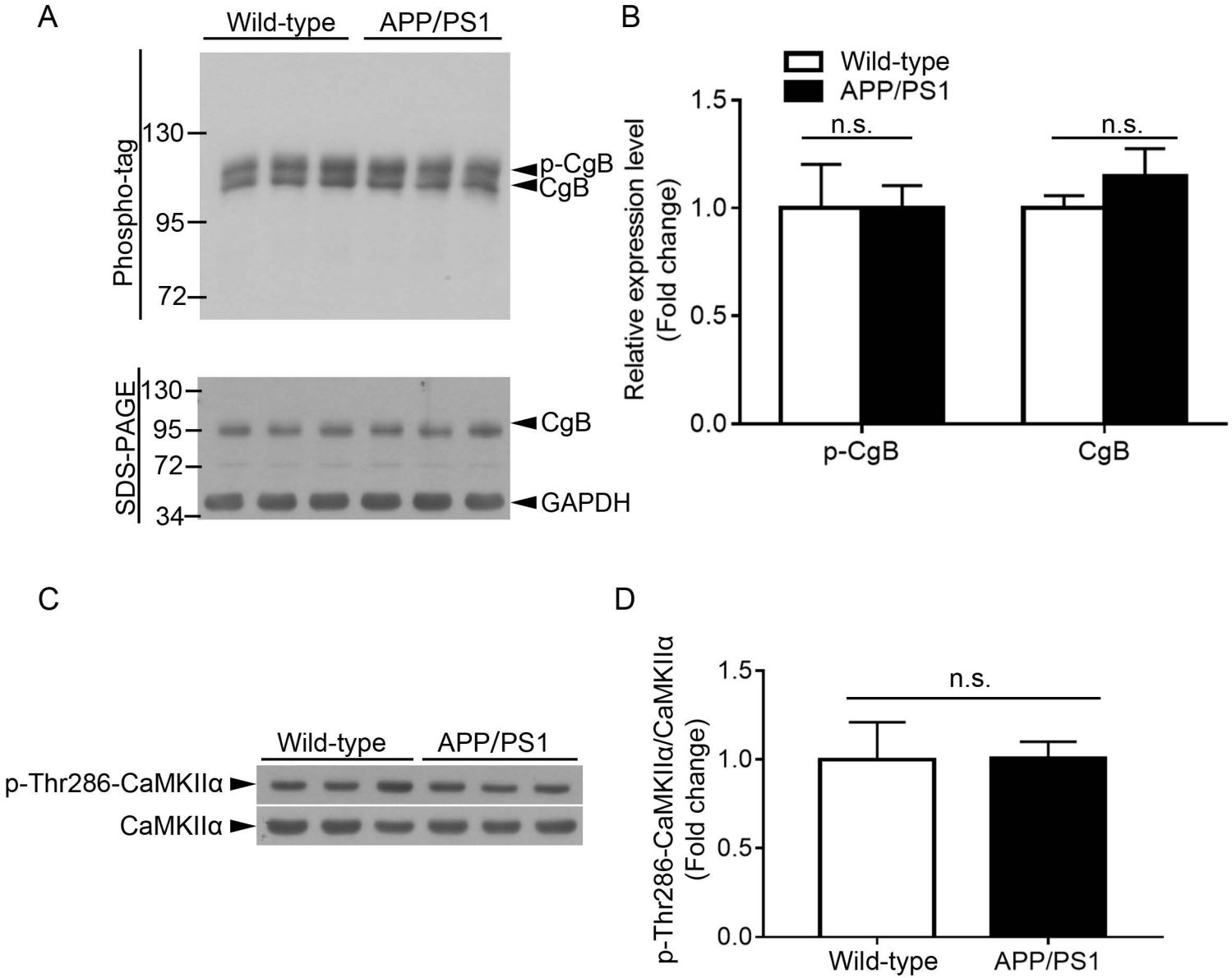

Figure. S2 The phosphorylation level of CgB and CaMKIIα in the hippocampi of Wild-type and APP/PS1 mice at the age of 3 weeks. (A) The phosphorylation level of CgB was analyzed in a phospho-tagged gel. (B) Quantification of changes in phosphorylation (p-CgB/CgB) and total protein expression (CgB/GAPDH) (n = 3, n.s.: no significance, student's t-test). (C) The phosphorylation level of CaMKIIα was determined by western blot. (D) Quantification of p-Thr286-CaMKIIα/CaMKIIα in hippocampi of Wild-type and APP/PS1 mice (n=3, n.s.: no significance, Student's t-test).