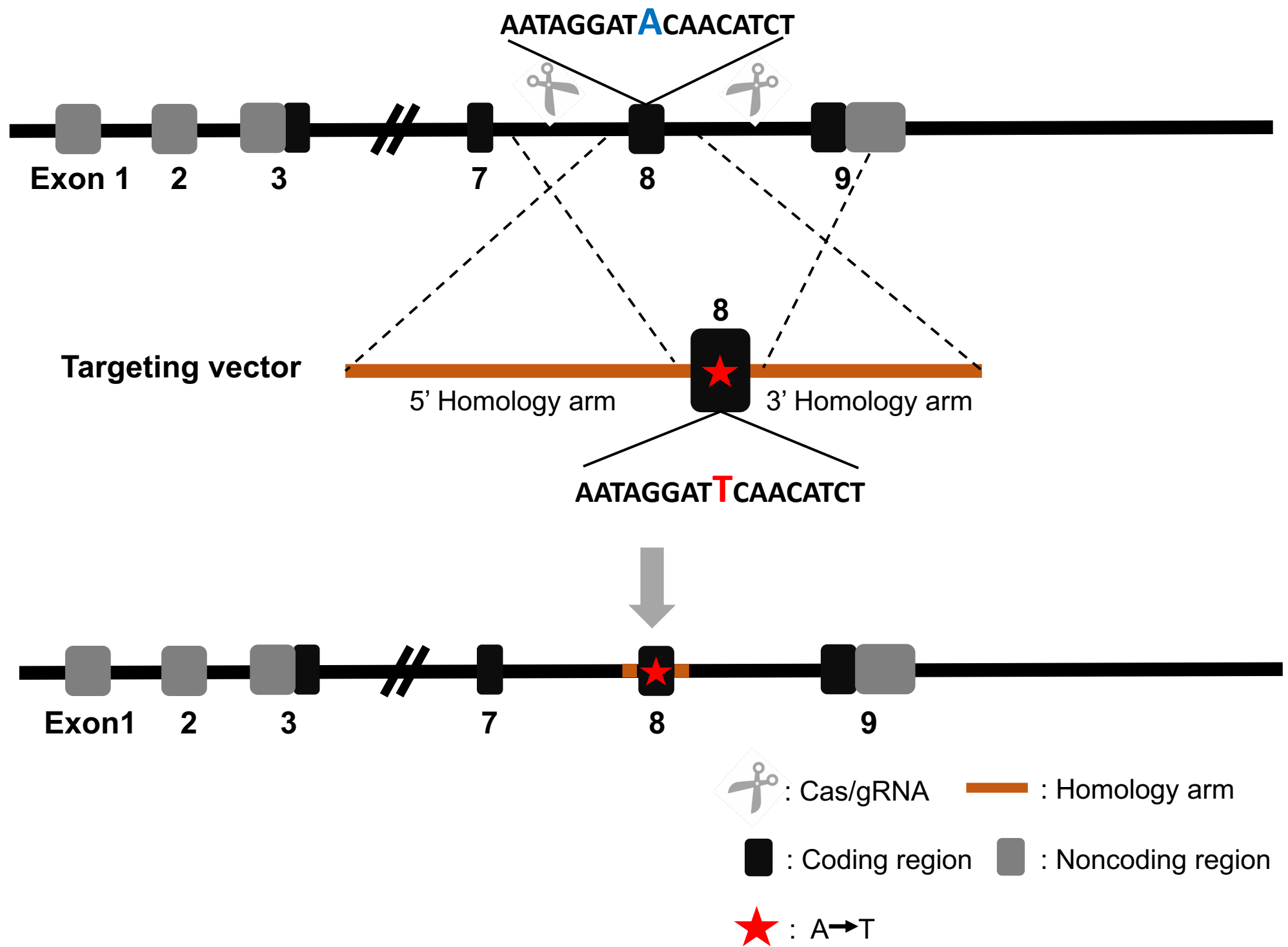
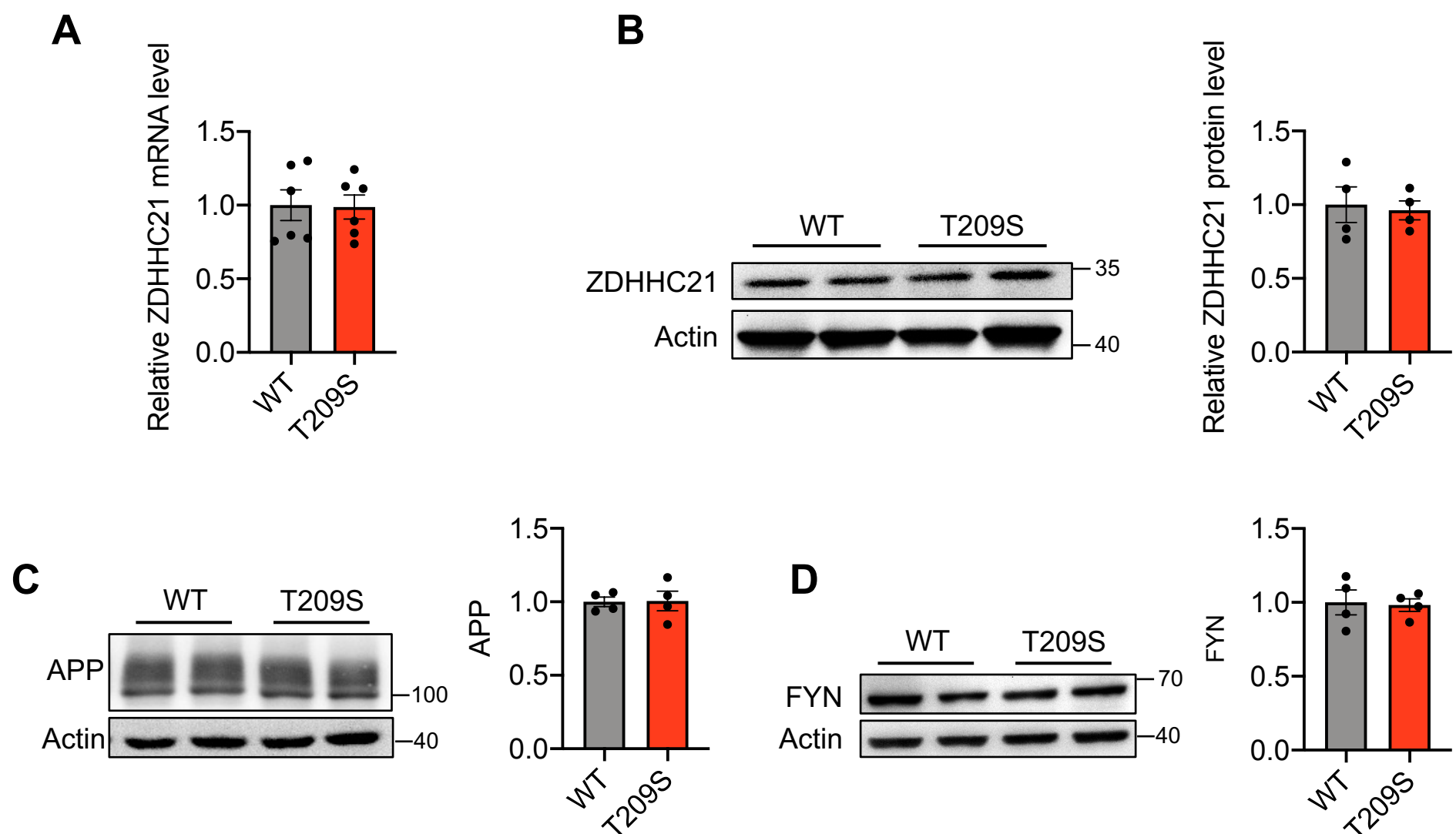
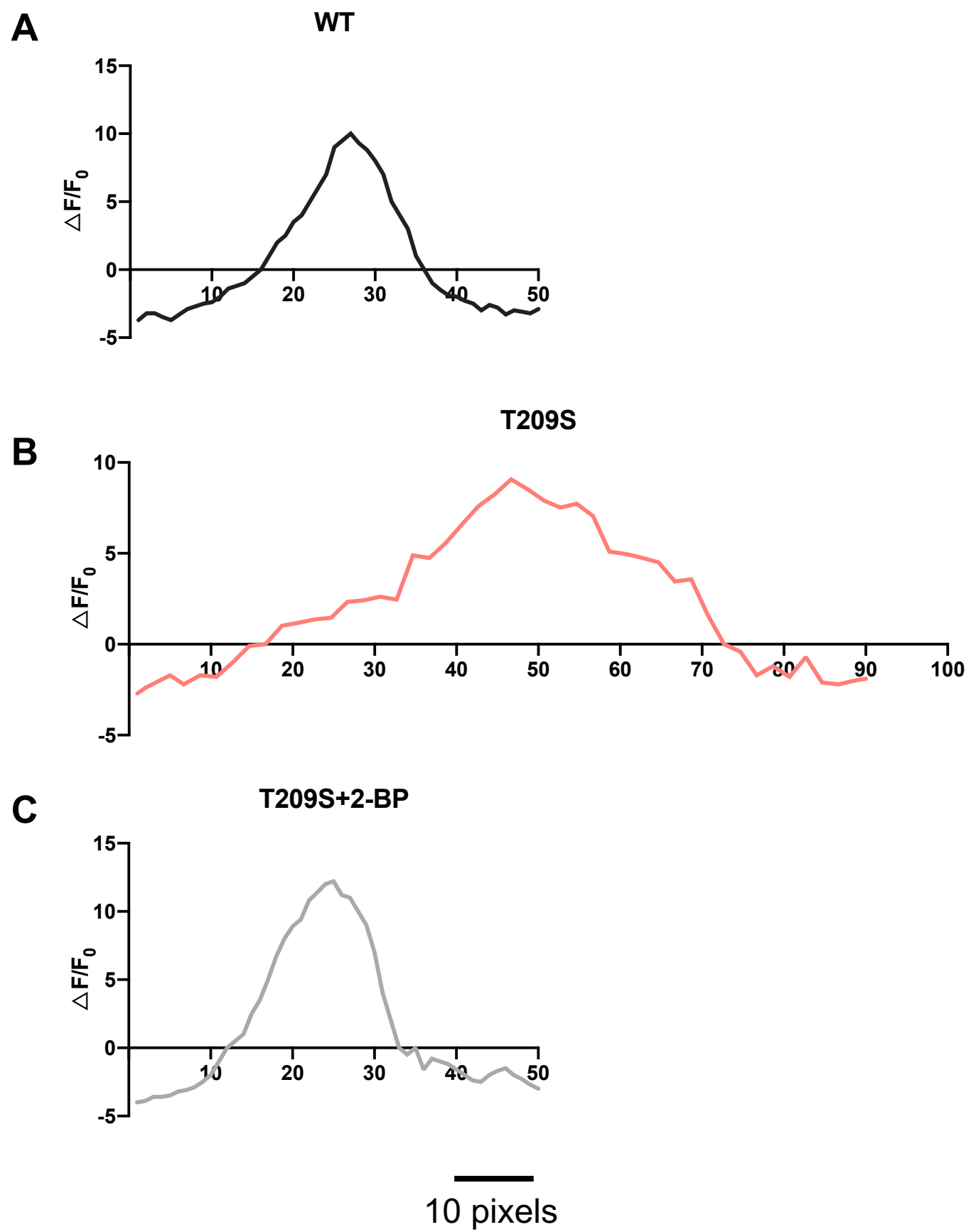


Supplementary Figure 1. Construction of ZDHHC21^{T209S/T209S} mice.





Supplementary Figure 2. The expression of ZDHHC21 (A and B), APP (C) and FYN (D) in WT and ZDHHC21^{T209S/T209S} mice. n = 6 mice per group (a), 4 mice per group (b-d); unpaired two-tailed Student's t-tests. Bars represent the mean and error bars represent the SEM.



Supplementary Figure 3. Representative traces (averaged $\Delta F/F_0$ responses) at one synaptic site from WT (A), T209S (B) and T209S+2-BP (C) neurons.