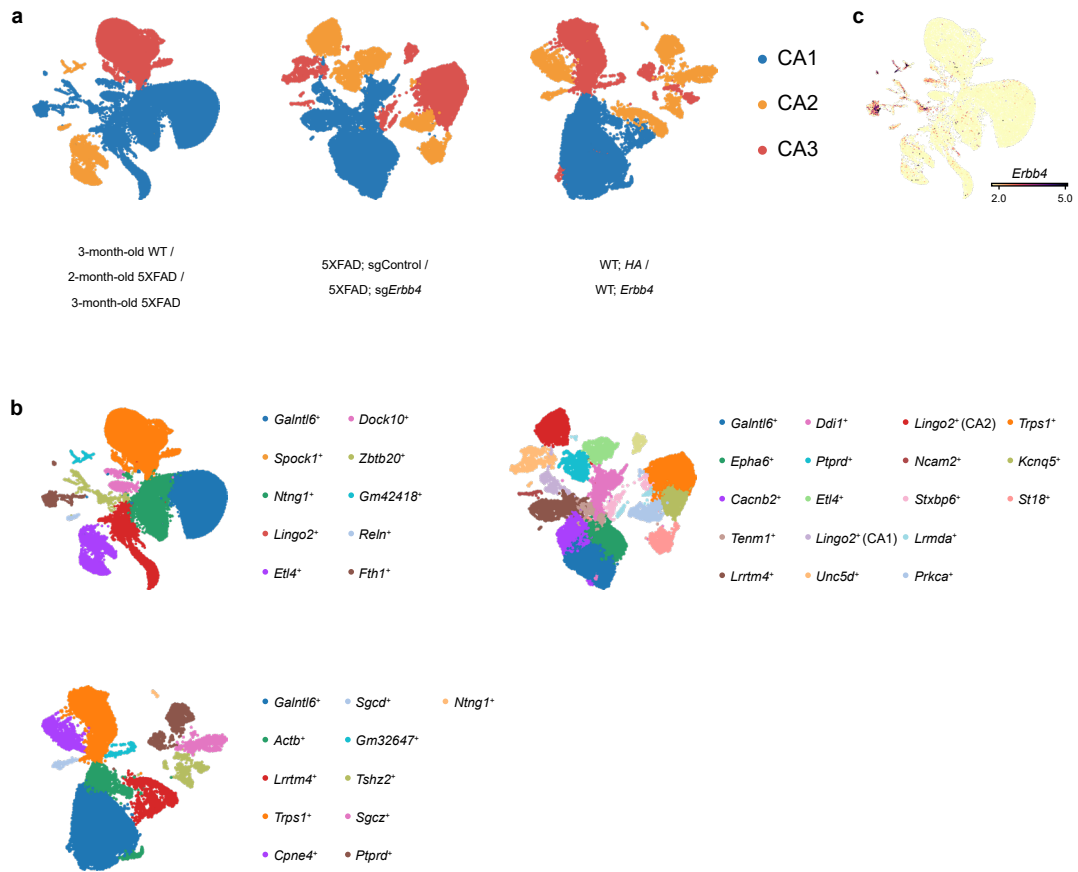

Supplementary information

Aberrant excitatory neuronal ERBB4 promotes Alzheimer's disease pathology

In the format provided by the
authors and unedited



Supplementary Fig. 1 Regional and molecular identities of excitatory neuronal clusters.

a, UMAPs showing inferred hippocampal subregional identities of excitatory neuronal clusters in the 3-month-old WT, 2-month-old 5XFAD and 3-month-old 5XFAD dataset (left), sgControl- and sgErbB4-injected 5XFAD dataset (middle), and HA- and ErbB4-injected WT dataset (right). Colors denote CA1 (blue), CA2 (orange) and CA3 (red). **b**, UMAPs showing marker-gene-based molecular annotations of excitatory neuronal clusters in the 3-month-old WT, 2-month-old 5XFAD and 3-month-old 5XFAD dataset (top left), sgControl- and sgErbB4-injected 5XFAD dataset (top right), and HA- and ErbB4-injected WT dataset (bottom). Colors denote distinct annotated clusters. **c**, UMAP feature plots showing *ErbB4* expression in excitatory neuronal clusters from 3-month-old WT, 2-month-old 5XFAD and 3-month-old 5XFAD mice.