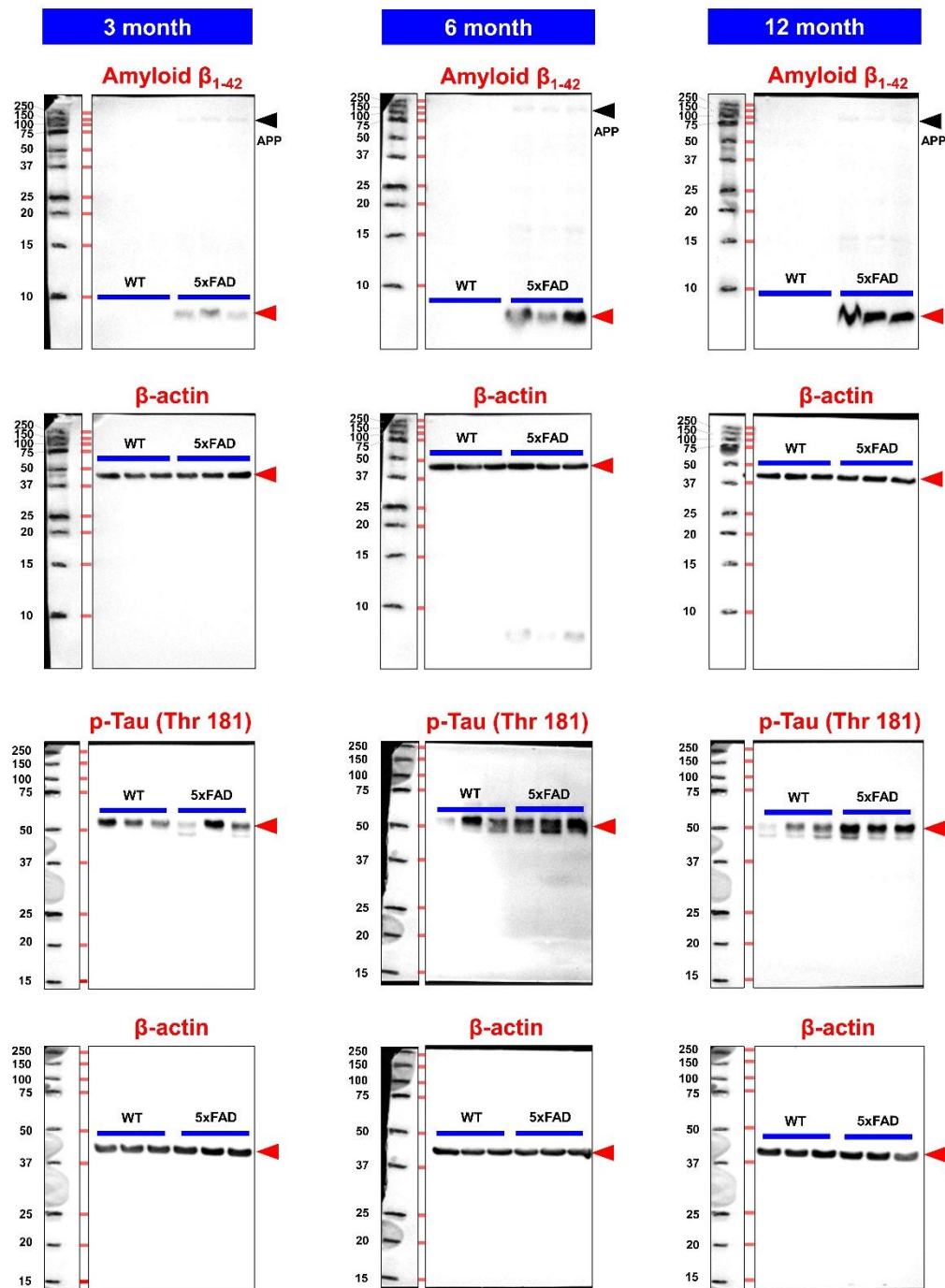
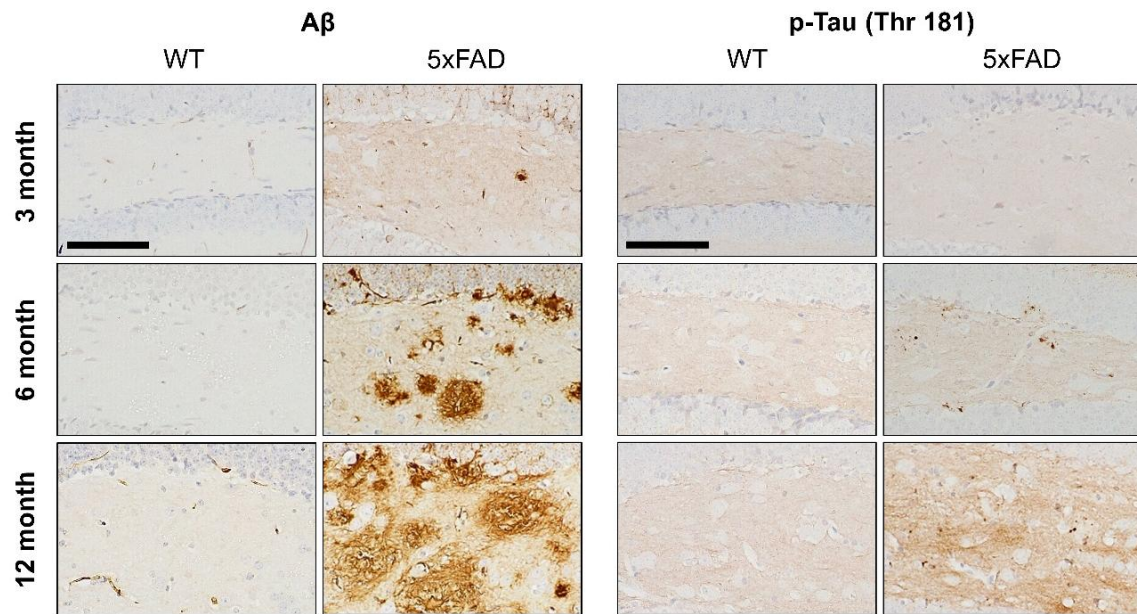


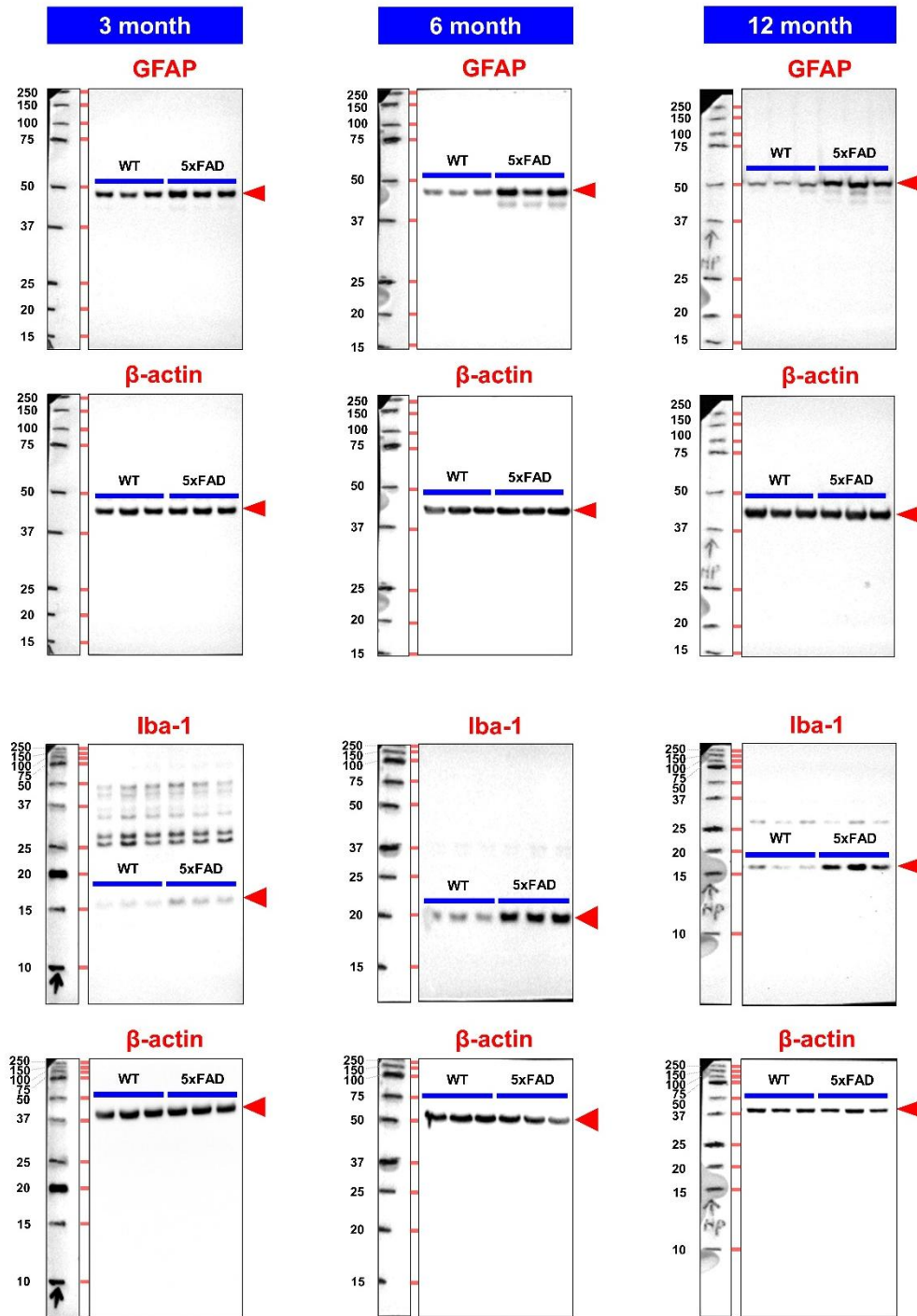
Supplementary Figures



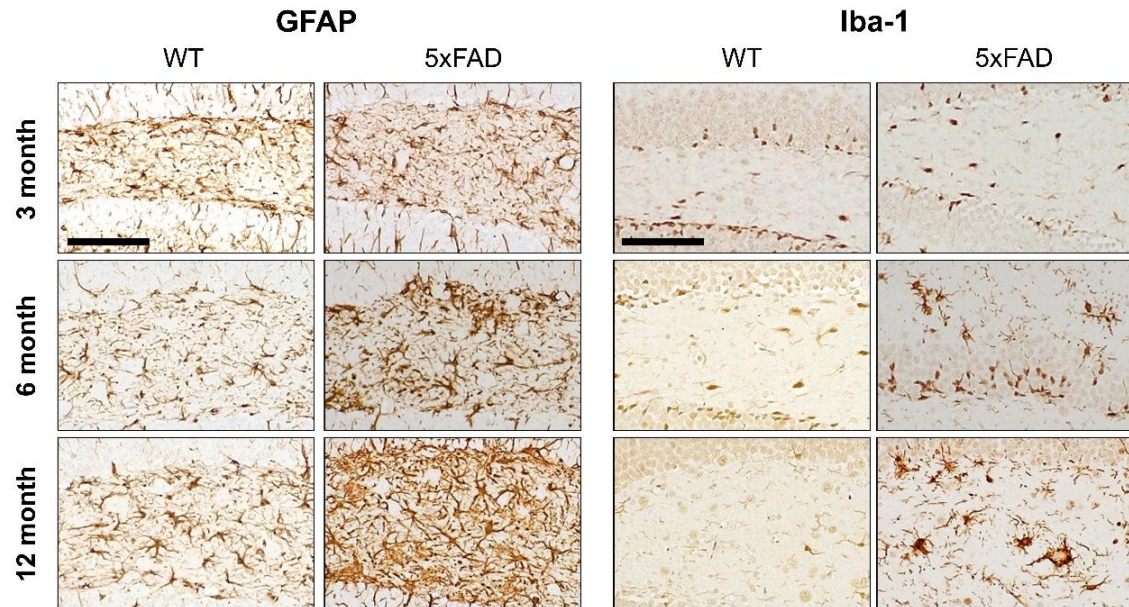
Supplementary Figure S1. Full-length blot images for A β 1-42 (~4 kDa), APP (~100–130 kDa), p-Tau (Thr181) (~50–80 kDa), and β -actin (~42 kDa) in the hippocampi of WT and 5 \times FAD mice at 3, 6, and 12 months of age. A β , amyloid β ; APP, amyloid precursor protein; p-Tau, phosphorylated Tau; WT, wild-type.



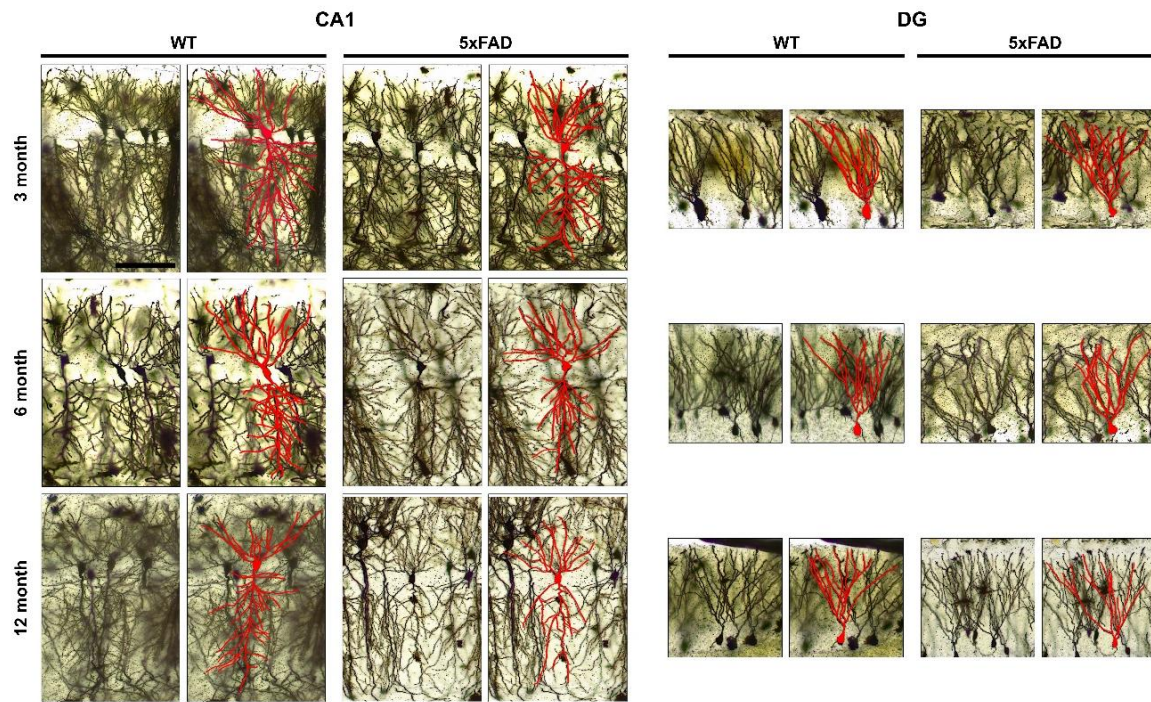
Supplementary Figure S2. High-magnification images for the insets in Figure 2B. Scale bar represents 100 μ m. A β , amyloid β ; p-Tau, phosphorylated Tau; WT, wild-type.



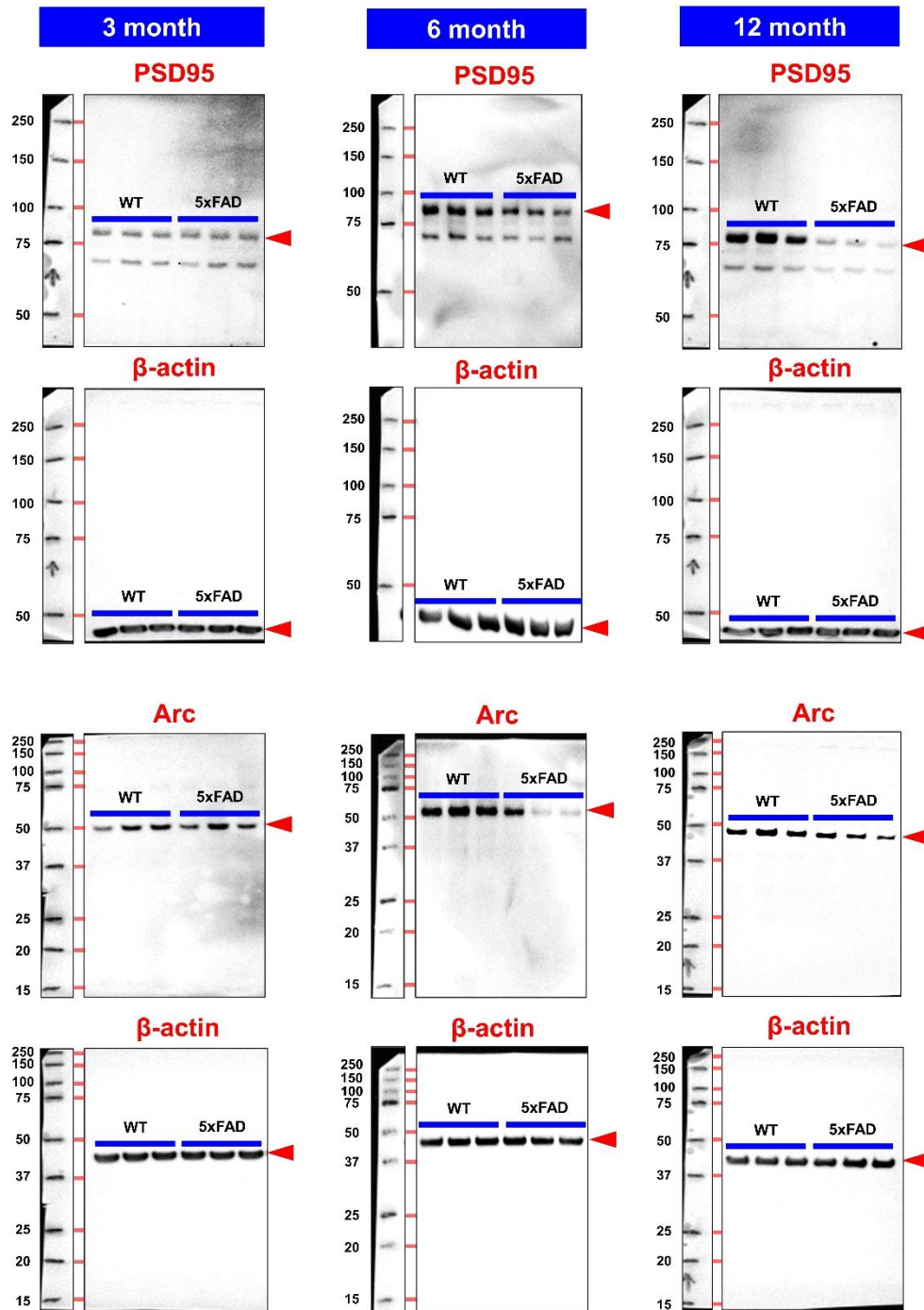
Supplementary Figure S3. Full-length blot images for GFAP (~50 kDa), Iba-1 (~17 kDa), and β -actin (~42 kDa) in the hippocampi of WT and 5 \times FAD mice at 3, 6, and 12 months of age. GFAP, glial fibrillary acidic protein; Iba-1, ionized calcium-binding adaptor molecule 1; WT, wild-type.



Supplementary Figure S4. High-magnification images for the insets in Figure 3B. Scale bar represents 100 μ m. GFAP, glial fibrillary acidic protein; Iba-1, ionized calcium-binding adaptor molecule 1; WT, wild-type.



Supplementary Figure S5. Photographs depict the actual Golgi-stained neurons in the CA1 and DG subregions from WT and 5×FAD mice at 3, 6, and 12 months of age. The images offer additional data for the quantitative Sholl analyses illustrated in Figure 4. The original image is displayed on the left, with the corresponding red-overlay tracing on the right. Scale bars denote a measurement of 100 μm. CA1, cornu ammonis 1; DG, dentate gyrus; WT, wild-type.



Supplementary Figure S6. Full-length blot images for PSD-95 (~95 kDa), Arc (~45 kDa), and β -actin (~42 kDa) in the hippocampi of WT and 5 \times FAD mice at 3 and 12 months of age. Arc, activity-regulated cytoskeleton-associated protein; PSD-95, postsynaptic density protein-95; WT, wild-type.