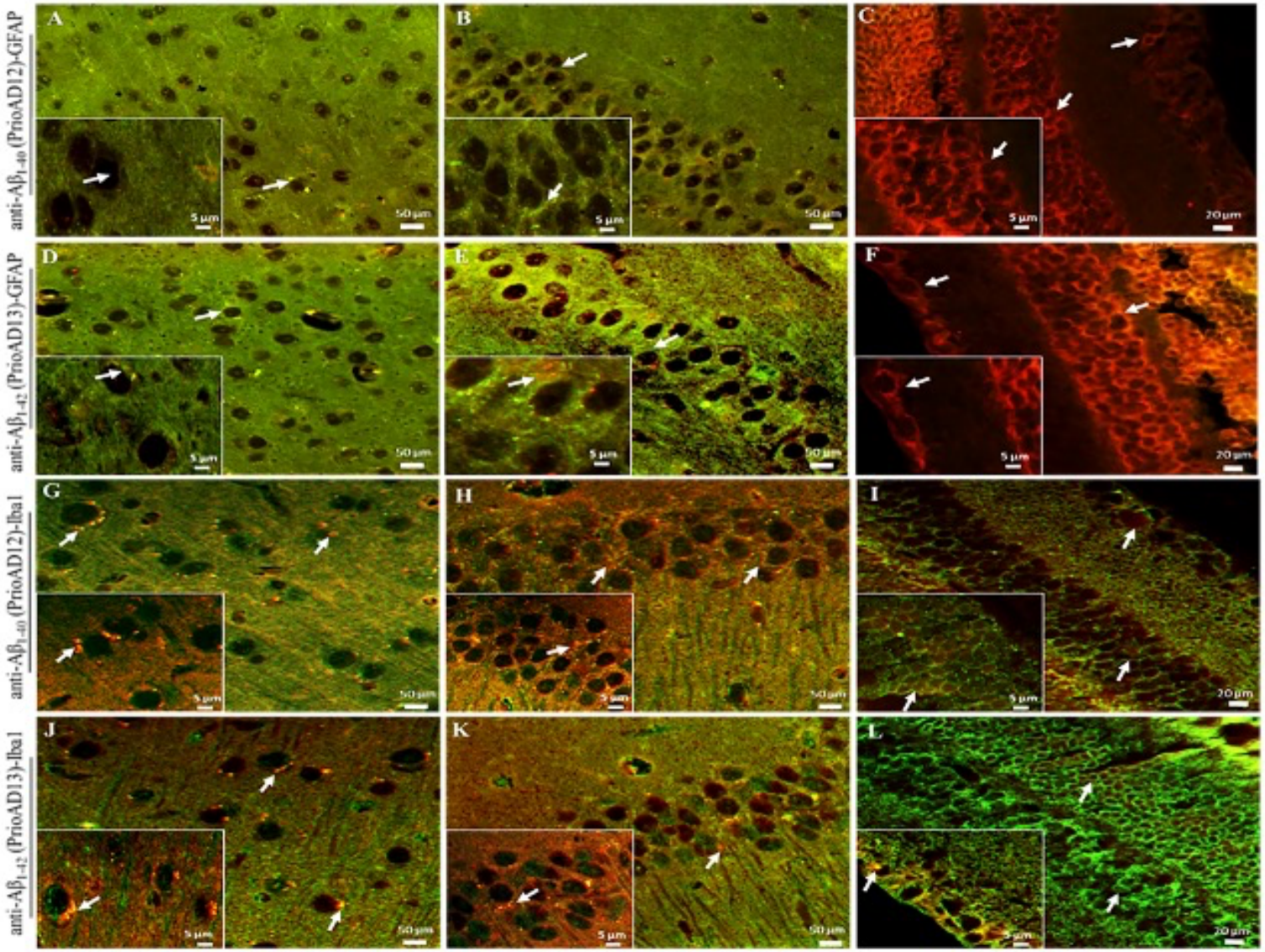

Supplementary Figure 3: Immunofluorescence co-localization of retinal and cerebral Aβ oligomers with anti-glial fibrillary acidic protein. Cerebral and retinal co-staining with anti-$A\beta_{1-40}$ (PrioAD12) and anti-$A\beta_{1-42}$ (PrioAD13) nanobodies (GREEN) and anti-mouse GFAP monoclonal antibody (RED) of 3-month old APP/PS1 mice. Aβo poorly co-localized with GFAP in the brain cortical region (A, D) and in the hippocampus (B, E) of the 3-month old mice respectively (white arrows). Retinal layers (C, F) displayed high levels of co-localization (white arrows). Representative of all affected mice in all age groups. (G-L) Immunofluorescence co-localization of retinal and cerebral Aβ oligomers with anti-Ionized calcium binding adaptor molecule 1 (Iba1). Cerebral and retinal co-staining with anti-$A\beta_{1-40}$ (PrioAD12) and anti-$A\beta_{1-42}$ (PrioAD13) nanobodies (GREEN) and anti-goat Iba1 polyclonal antibody (RED) of 3-month old APP/PS1 mice. Aβo poorly co-localized with Iba1 in the brain cortical region (G, J) and in the hippocampus (H, K) of the 3-month old mice respectively (white arrows). Retinal layers (I, L) displayed high levels of co-localization (white arrows). Representative of all affected mice in all age groups.