Supplementary Figure 2 (S2)

A. 3 month-old Tg+/-

B. 4 month-old Tg+/-

C. 6 month-old Tg+/-

D. 6 month-old wt

E. Bar graph showing soluble Ab42 levels (pg/mg protein) with ages: 3mo, 4mo, and 6mo. The graph indicates a significant increase in soluble Ab42 with age in Tg+/- mice, marked by asterisks (*) indicating statistical significance.
Supplementary Figure 2 (S2). Pre-plaque amyloid pathology in McGill-R-Thy1-APP Tg+/- rats. A-D) Representative pictures of human Aβ immunoreactivity detected using the monoclonal antibody McSA1 at 3 (A), 4 (B) and 6 (C) months of age. At early stages of amyloid pathology, intraneuronal Aβ accumulates in the cerebral cortex and hippocampus (scale bar 1mm). As expected, wild-type rats (D) are devoid of McSA1 immunoreactivity. Magnified views of CA1 regions are included as insets at the right side of each brain slice picture, clearly showing intraneuronal Aβ accumulation (scale bar 50μm). E) Abundance of TBS-soluble human Aβ42 peptides in the hippocampus was determined by ELISA (NTg+/-=4-5 rats per age). Data are expressed as mean ± SEM. *p < 0.05, analyzed with a two-tailed, unpaired t test.