Representative Logan plots from the analyzed brain regions in APP23 mouse brain at 18 months.



Ex vivo [<sup>11</sup>C]PIB autoradiograms from cerebellar sections of APP23, Tg2576 and APP<sub>swe</sub>-PS1<sub>dE9</sub> mice and wild type control mice brain.



Thioflavin-S staining of cerebellar sections from APP23, Tg2576,  $APP_{swe}$ -PS1<sub>dE9</sub> brain.



Scale bar: 200 µm.

Anti-A $\beta_{N3pE}$  –immunostaning in cortical sections of APP23, Tg2576 and APP<sub>swe</sub>-PS1<sub>dE9</sub> mice.

