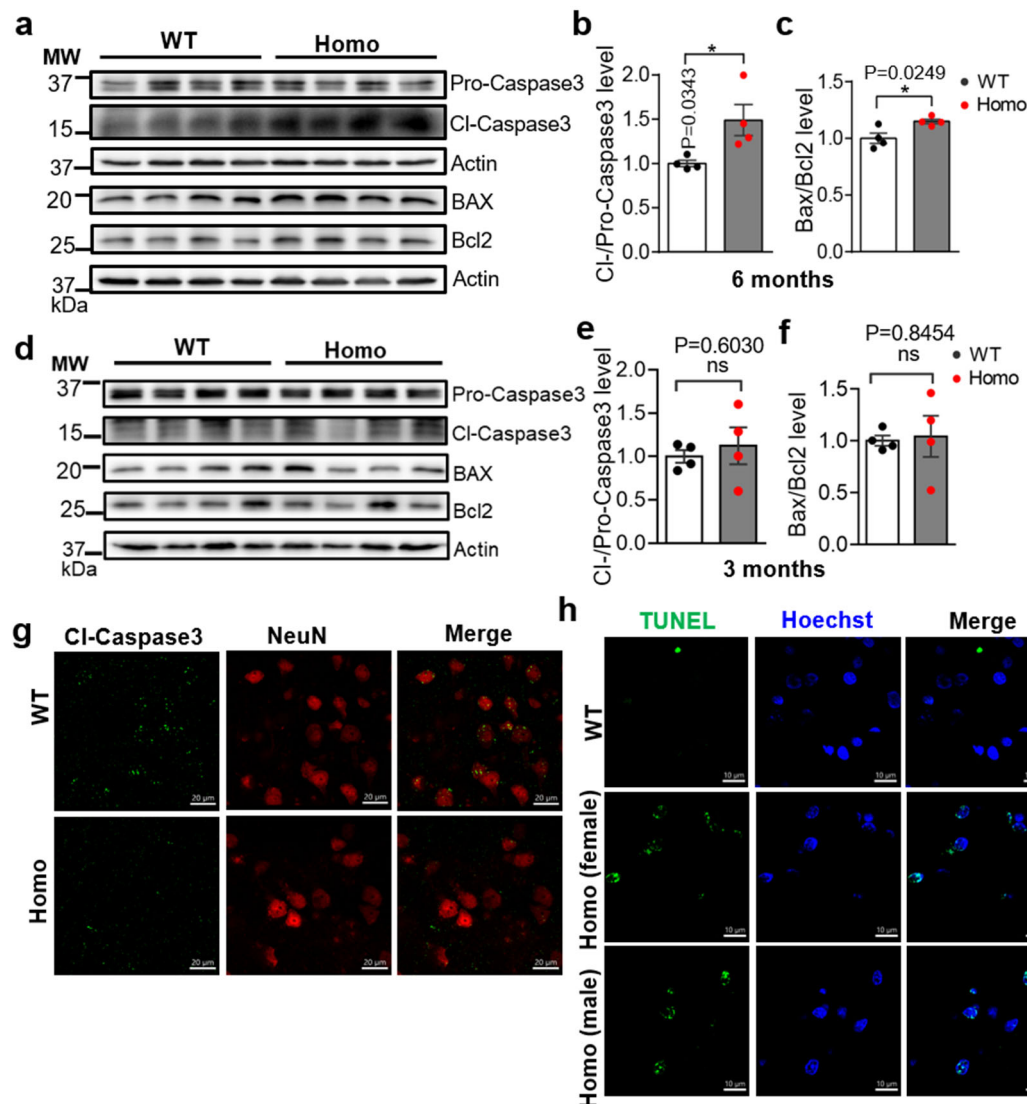


**Fig. S8**



**Fig. S8. Apoptosis in *App*<sup>NL-G-F</sup> rats.**

**a-f**, Expression of apoptotic proteins in *App*<sup>NL-G-F</sup> rats. Hippocampal lysates from 6-month-old (**a**) and 3-month-old (**d**) WT, and homozygous *App*<sup>NL-G-F</sup> (Homo) rats were immunoblotted using anti-cleaved caspase3, anti-procaspase3, anti-Bax and anti Bcl-2 antibodies. Apoptosis was quantified by the ratios of cleaved caspase3 to procaspase3, as well as by the ratios of Bax to Bcl-2, shown on the right two panels (**b**, **c** and **e**, **f**).  $n = 4$ . **g**, Apoptosis in *App*<sup>NL-G-F</sup> rat neurons. Brain sections from 12-month-old WT and Homo rats were stained with anti-Cleaved-Caspase3 and NeuN antibodies and representative fluorescent images are shown. **h**, Apoptosis in female *App*<sup>NL-G-F</sup> rats. Brain sections from 12-month-old WT, female and male Homo rats were stained with TUNEL (green, apoptotic marker) and Hoechst (nucleus marker, blue) and representative fluorescent images are shown. Scale bars represent 20  $\mu$ m.