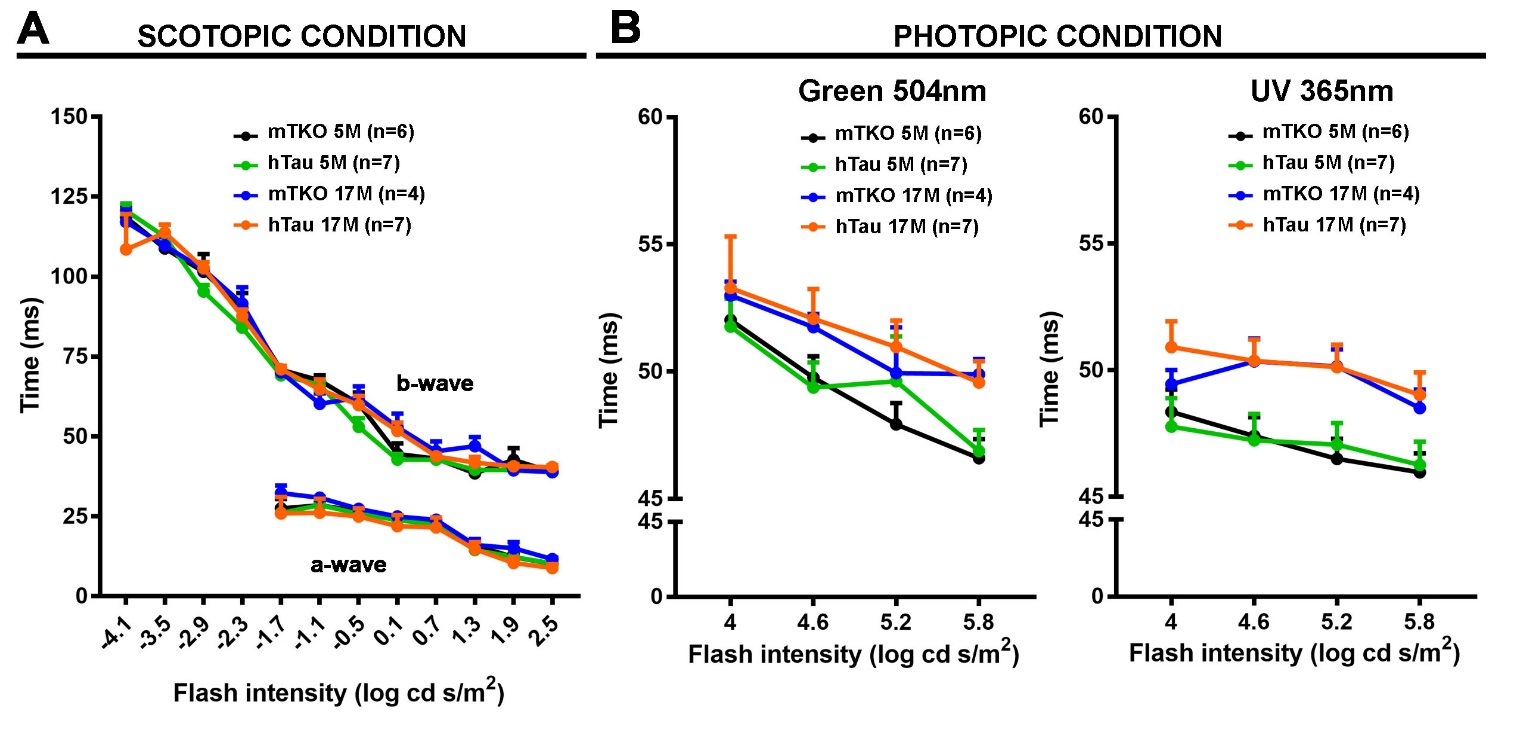
**Supplementary materials**

FIGURE S1



**Figure S1. hTau does not influence ERG peak times in scotopic and photopic conditions.**

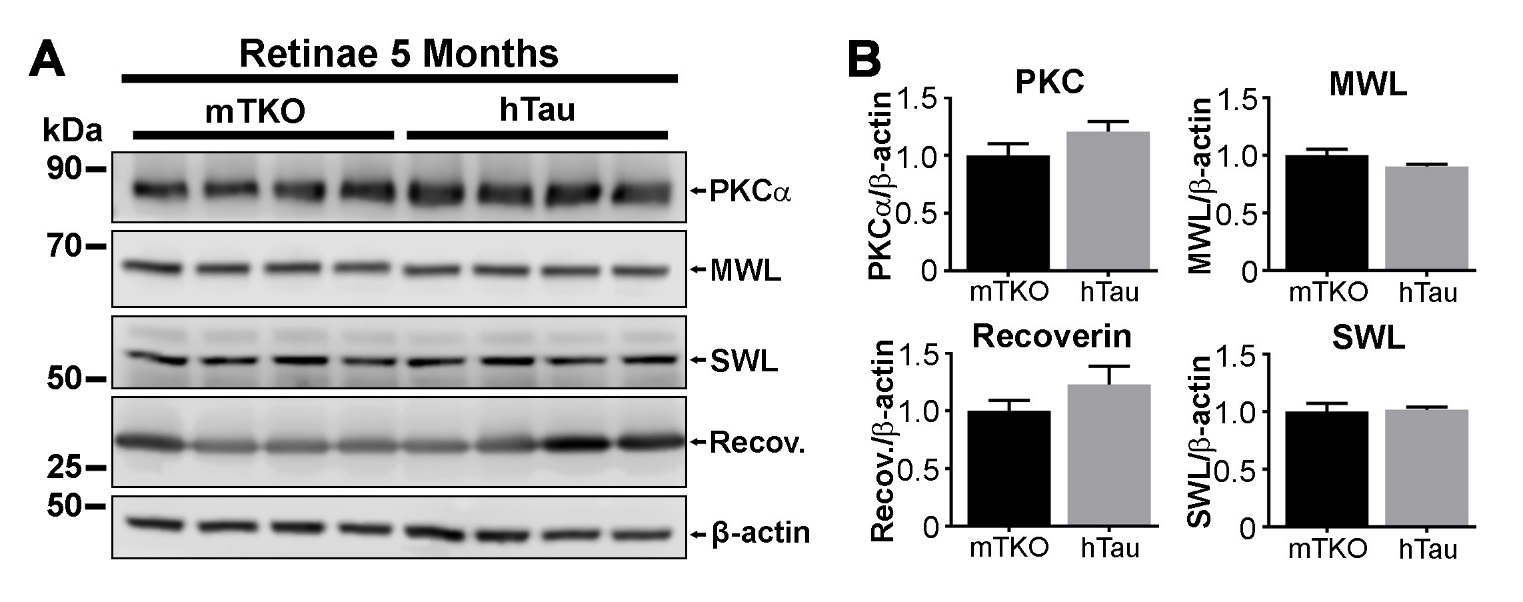
Peak times of ERG a-waves and b-waves presented in Figures 2 and 3 were analyzed.

**A.** Quantitatively, luminance-peak time function curves showed no significant difference between mTKO and hTau b-wave latencies at 5 or 17 months in scotopic condition.

**B.** Quantitatively, luminance-peak time function curves showed no difference between mTKO and hTau b-wave latencies at 5 or 17 months in photopic conditions (green and UV).

Each dot represents mean values ± SEM. n = 4-7 mice per group.

FIGURE S2



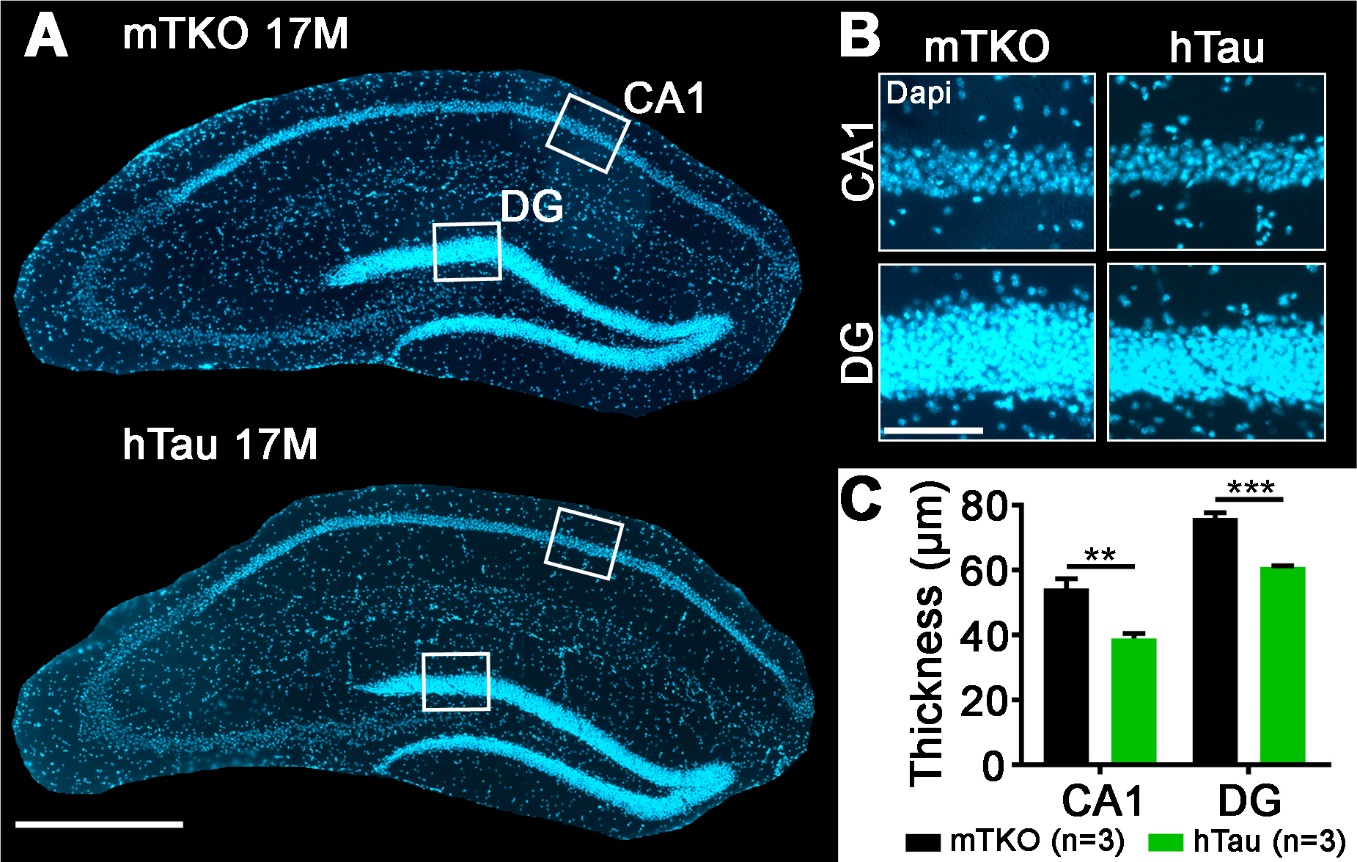
**Figure S2. hTau does not influence the level of constitutively expressed retinal proteins.**

**A.** Western blot analysis of cell-specific markers in 5-month-old mTKO and hTau retinae, PKC (bipolar cells), MWL (M-cones), SWL (S-cones), Recoverin (rods).

**B.** Quantitative measurements of Western blot signals with the image J software (NIH). The level of constitutively expressed proteins did not vary between the 2 experimental groups.

Each bar represents mean values ± SEM. n = 4 mice per group.

FIGURE S3



**Figure S3. hTau expression induces hippocampal neurodegeneration in 17-month-old mice.**

**A.** Representative images of 17-month-old mTKO vs hTau mouse brain sections stained with Dapi.

**B.** Close-up of CA1 and DG cell layers of mTKO and hTau mice.

**C.** Thickness analysis of CA1 and DG in 17-month-old mTKO vs hTau mouse hippocampal sections.

Data represent mean values ± S.E.M. n = 3 mice per group.

Statistics: non-parametric unpaired t-test, \*\*: P < 0.01; \*\*\*: P < 0.001.

Scale bars: A = 500 µm and B = 100 µm.