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Correction: Reduction of the RNA binding protein TIA1 exacerbates neuroinflammation in tauopathy

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A Correction on

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There was a mistake in [Figure 4D](#), Row 2, Column 4 as published. P301S +/- 9M image was duplicated in error under P301S TIA1 +/- 9M. The corrected [Figure 4](#) appears below.

The original article has been updated.

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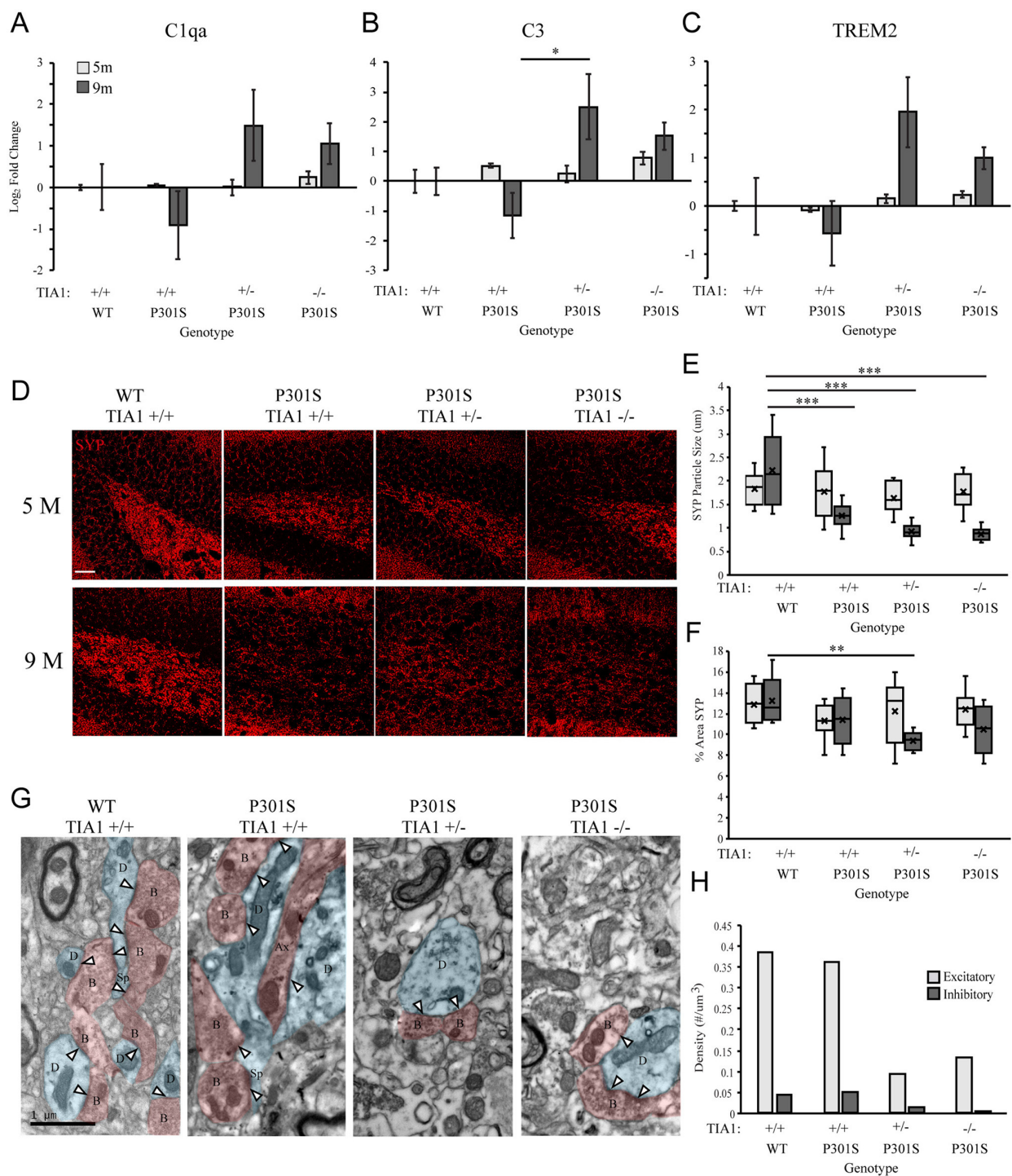


FIGURE 4

Reduction of TIA1 increases expression of mRNAs associated with microglial phagocytosis and increases synapse loss in advanced tauopathy. **(A)** log2 fold change of C1qa expression in WT TIA1+/+ vs. P301S TIA1+/+, P301S TIA1+/-, and P301S TIA1-/- at 5 months (light gray) and 9 months (dark gray). $n = 3$ subjects/genotype. **(B)** log2 fold change of C3 expression in WT TIA1+/+ vs. P301S TIA1+/+, P301S TIA1+/-, and P301S TIA1-/- at 5 months (light gray) and 9 months (dark gray). $n = 3$ subjects/genotype. **(C)** log2 fold change of TREM2 expression in WT TIA1+/+ vs. P301S TIA1+/+, P301S TIA1+/-, and P301S TIA1-/- at 5 months (light gray) and 9 months (dark gray). $n = 3$ subjects/genotype. **(D)** High resolution (40 $\times$) confocal maximum projection images depicting Synaptophysin (SYP, red) in the apex of the dentate gyrus including the dorsal and ventral dentate granule cell layers and hilus in WT TIA1+/+ and P301S subjects that are TIA1+/+, TIA1+/-, and TIA1-/- at 5 months (top) and 9 months (bottom). Scale = 25 μ m. **(E)** Average size of SYP particles in **(D)**, 5 months (light gray) and 9 months (dark gray). $n = 9-12$ fields, from 3 to 4 animals/genotype. **(F)** Percent Area occupied by SYP particles in **(D)**, 5 months (light gray) and 9 months (dark gray). $n = 9-12$ fields, from 3 to 4 animals/genotype. **(G)** Electron photomicrographs at 20k $\times$ depicting Synaptophysin (SYP, red) in the apex of the dentate gyrus including the dorsal and ventral dentate granule cell layers and hilus in WT TIA1+/+ and P301S subjects that are TIA1+/+, TIA1+/-, and TIA1-/- animals. Scale = 1 μ m. **(H)** Average density of excitatory (light gray) and inhibitory (dark gray) synapses in the dentate gyrus hilus neuropil in WT TIA1+/+ and P301S TIA1+/+, TIA1+/-, and TIA1-/- animals. ($n = 3-4$ fields, from 1 animal/genotype, no statistical analyses performed, qualitative data). All statistical comparisons calculated with One-Way ANOVA with Bonferroni post hoc test, $*p \leq 0.05$, $**p \leq 0.01$, $***p \leq 0.001$.