Supplementary Material

Partial Inhibition of Mitochondrial Complex I Reduces Tau Pathology and Improves Energy Homeostasis and Synaptic Function in 3xTg-AD Mice

Supplementary Figure 1. CP2 treatment did not significantly change soluble and insoluble levels of Aβ in brain tissue of 3xTg-AD mice. A) Differential extraction and ELISA in brain homogenates revealed that soluble levels of $A\beta_{42}$ in TBS fractions were increased in CP2-treated 3xTg-AD female mice, while concentrations of the $A\beta_{40}$ and $A\beta_{42}$ from least soluble TBSX (B) and guanidine (Gdn) (C) fractions were relatively similar between vehicle- and CP2-treated 3xTg-AD mice. D) Total levels of Aβ were not changed between vehicle- and CP2-treated 3xTg-AD female mice. *N* = 4 - 6 mice *per* group. E-H) CP2 treatment did not significantly affect soluble (E, F) and insoluble (G) levels of $A\beta_{40}$ and $A\beta_{42}$ in the brain tissue of male 3xTg-AD mice. H) Total levels of Aβ were not changed between vehicle- and CP2-treated 3xTg-AD male mice. *N* = 4 mice *per* group. Differences between individual groups were analyzed by Student *t*-test. Data are presented as mean ± SEM. *p<0.05.