

Supplementary information

Autism Risk Gene *Cul3* Alters Neuronal Morphology via Caspase-3 Activity in Mouse Hippocampal Neurons

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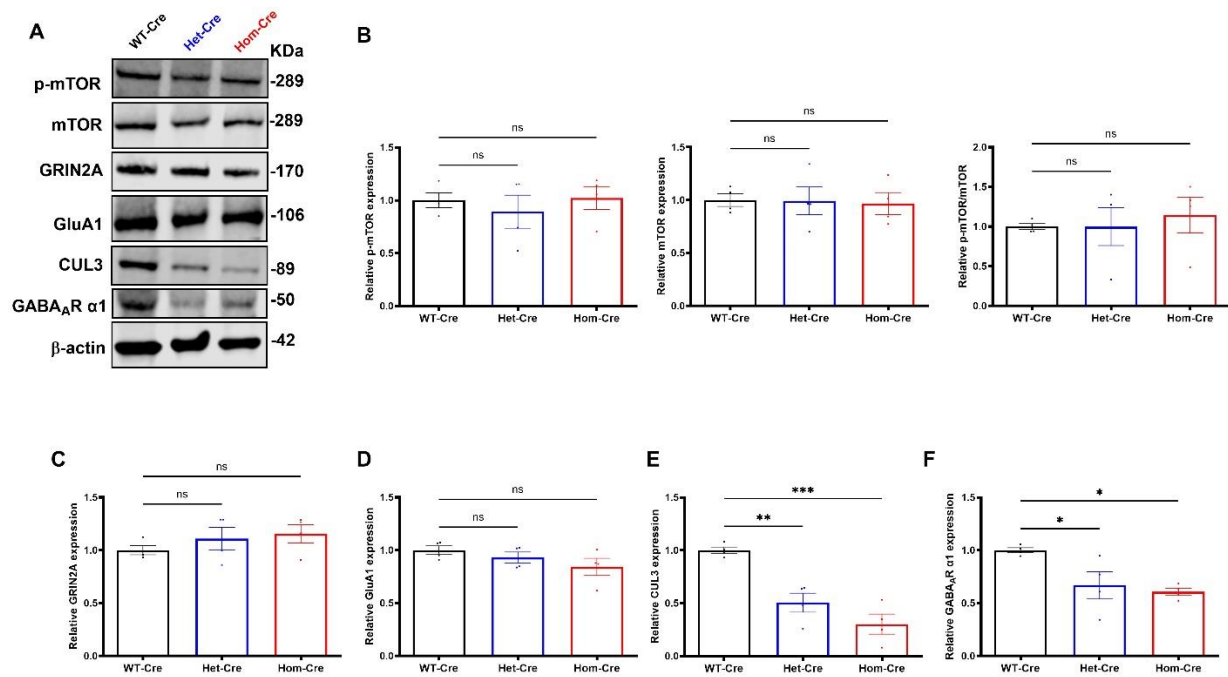


Fig.S1. *Cul3* homozygous deletion and heterozygous reduction decrease GABA_A receptor but not ionotropic glutamate receptor expression in primary cultured hippocampal neurons.

A-F) Representative immunoblots (A) and graph of group data (B-F) for anti-p-mTOR, anti-mTOR, anti-GRIN2A, anti-GluA1, anti-CUL3, anti-GABA_AR α 1 and anti- β -actin blots following AAV-Cre-GFP (WT-Cre, Het-Cre, Hom-Cre) transduction in cultured *fCul3* hippocampal neurons. *P<0.05, **P<0.01, ***P<0.001, ****P<0.0001, ordinary one-way ANOVA with Dunnett's multiple comparisons test; bars represent mean \pm SEM, 4 separately derived neuronal cultures.