

Supplemental Fig. 1: GluA1^{KO} mice have an increased proportion of Arc⁺ neurons under baseline conditions.

(A) Mice were directly perfused from their homecage. (B) Arc::dVenus antibody staining (*green*) in the DG (left) and CA1 (right) of WT (top) and GluA1^{KO} mice (bottom). Scale bar: 200 μ m. (C) The effect of genotype on Arc::dVenus⁺ cells / DAPI⁺ (%) under baseline conditions. A genotype effect was found in the DG (Mann-Whitney $U_{36, 24} = 0$, $p = 0.0040$, $n_{WT} = 8$, $n_{GluA1-KO} = 4$) and in the CA1 (Mann-Whitney $U_{36, 24} = 0$, $p = 0.0040$, $n_{WT} = 8$, $n_{GluA1-KO} = 4$). * $p < 0.05$, ** $p < 0.01$.