

Supplementary Figure S8

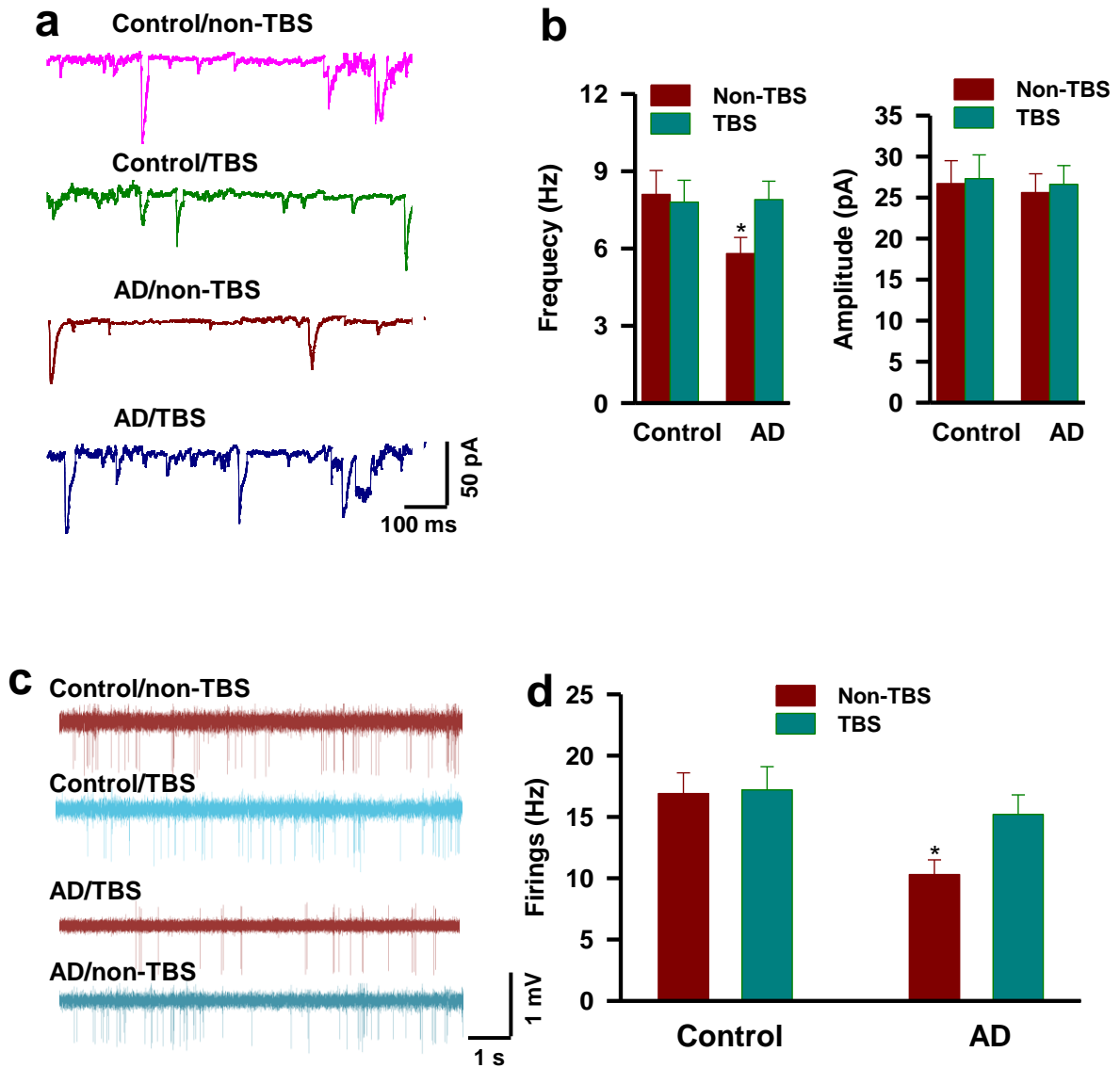


Figure S8. Application of TBS prevents a reduction of GABA release from CA1_{PV} of AD mice. **(a and b)** A representative mIPSCs **(a)** in CA1_{PN} from the AD/ECII_{PN}^{ChR2+} (AD) and the control/ ECII_{PN}^{ChR2+} mice (control) 25 days after control (non-TBS) or TBS treatment. The mean amplitudes and the frequencies of the events are summarized in bar graphs **(b)**. Data are mean \pm SEM (n = 27 recordings/9 mice/group). Application of TBS prevents a reduction of action potential firings in CA1_{PV} of AD mice. **(c and d)** Representative recordings **(c)** and the averaged frequency **(d)** of action potential firings in CA1_{PV} from AD/ECII_{PN}^{ChR2+} mice (AD) and the age-matched control/ECII_{PN}^{ChR2+} (control) mice 25 days after control (non-TBS) or TBS treatment. Data are mean \pm SEM (n = 11 mice/group, $p < 0001$; t -tests).