



SUPPLEMENTARY FIG. S2. Interference assay of the association between the σ 1R loop region and the cytosolic region of NMDAR NR1 subunits. A series of overlapping peptides ($30 \mu\text{M}$) mapping the loop region of σ 1R were incubated with 100 nM NR1 C0-C1-C2 subunits before the addition of 100 nM σ 1R. GST-NR1 was precipitated, and the associated protein was evaluated through ECL-densitometry (ChemImager 5500-AlphaEase; Alpha-Innotech). These data were obtained from three independent assays. *Significantly different from the σ 1R signals observed in the absence of interfering peptides, ANOVA-Student-Keuls test; $p < 0.05$. Amino acid charge, see key in Fig. 3C.