Supplementary Figure 1  Hippocampal LTD induced by LFS (1 Hz, 15 min) is NMDA receptor-dependent. (a) APV, a general NMDAR receptor antagonist, abolished LTD in p75NTR +/- animals. (b) NR2B is important for the expression of LTD. Application of NR2B antagonist, ifenprodil, blocked the expression of LTD induced by LFS simulation. (c) NR2B inhibition does not affect LTP. Application of ifenprodil (10 μM) inhibited LTD but did not affect LTP induced by two trains of 100 Hz. (d) LTD induced by paired pulse (50 ms ISI) LFS protocol is NMDA receptor-independent.