



Supplemental Figure 4. Large short-term facilitation during natural pattern stimulation is mediated through kainate receptors.

A, Group results showing that blocking kainate receptors with combined application of 15 μ M UBP302 and 20 μ M NS102 (solid red circles) reduces short-term facilitation at Schaffer collateral synapses onto SOM interneurons in response to natural stimulus pattern (n=8). **B**, Average range of responses (maximum – minimum) is reduced by UBP302 + NS102. **C**, Average amplitude of the response to the natural stimulus pattern is reduced by these two kainate receptor antagonists. **D**, Responses to natural stimulus pattern plotted versus interstimulus interval (in ms) show that the effect of UBP302 + NS102 is greatest at shorter intervals. *=significant, $p < 0.05$.