Supplementary Figure 3 Properties of GluR1/GluR2 heteromers were very different from either GluR1 or GluR2 homomers.

(a) GluR1/R2 heteromers showed non-rectifying I-V curves, in contrast to strong rectification of GluR1 homomers \( (n = 9-17) \). (b) Comparison of rectification index (amplitude of the current at \(-60\text{mV} \) divided by the current at \(40\text{mV}) \) for GluR1/R2 heteromers and GluR1 homomers from (a) \((** P < 0.01; n = 9-17; \text{mean} \pm \text{s.e.m.})\). (c) Joro-toxin (1 µM) selectively inhibited GluR1 homomers but had no effect on GluR1/R2 heteromers. (d) GluR1 and GluR2 homomers were kinetically very different from GluR1/R2 heteromers. Moreover, the currents from GluR2 homomers were two to three fold of magnitude smaller than the currents from GluR1/R2 heteromers, indicating a negligible contribution from GluR2 homomers.