

Supporting Information

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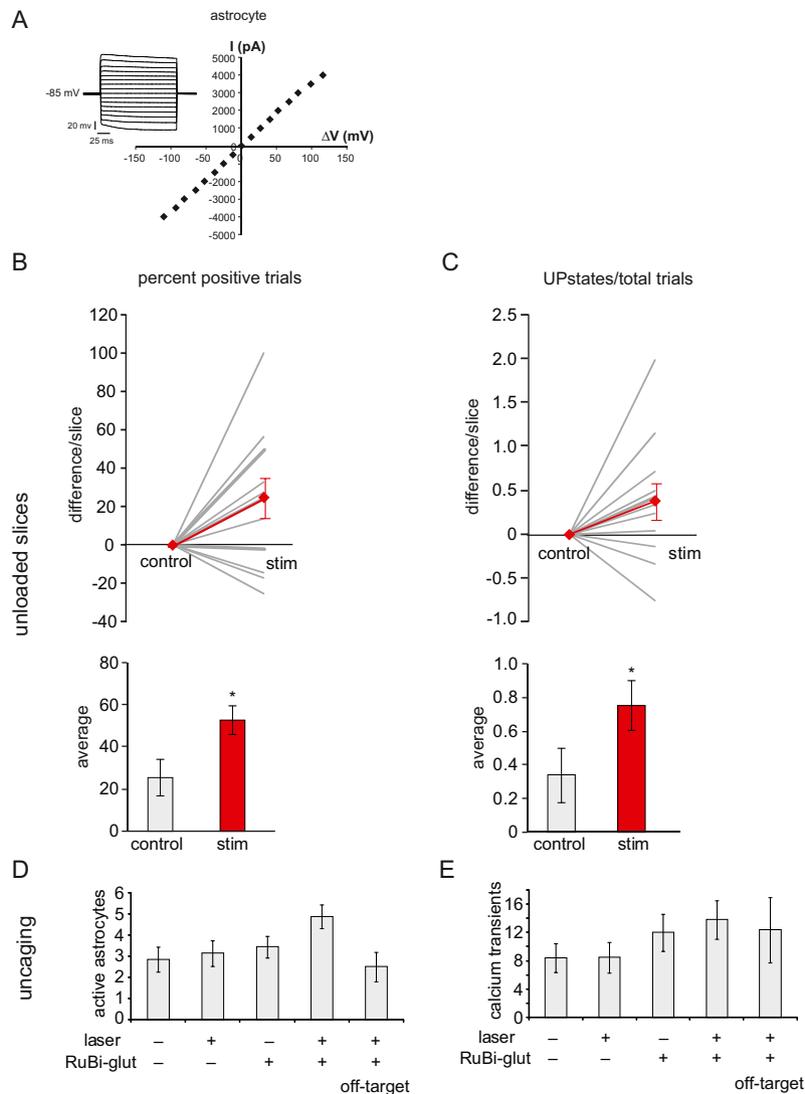


Fig. S1. Sulforhodamine 101 (SR101) and Fluo-4 do not affect stimulation-induced UP states by astrocytes. (A) Current-voltage (IV) plot of a patched passive astrocyte. (B and C) Stimulation (red)/control (gray) protocol as carried out in Fig. 2, with data analyzed by slice as in Fig. 2 F and G. Slices were not loaded with any dyes. (B) Percent trials with at least one UP state (positive trials). Significant difference between control ($24.2 \pm 7.5\%$) and stimulation ($49.1 \pm 6.9\%$) trials. (C) Number of UP states in all trials. Significant differences between control (0.32 ± 0.11) and stimulation (0.71 ± 0.16) trials ($n = 12$ slices, 96 trials; $*P < 0.05$). (D and E) Calcium data from glutamate uncaging experiments, showing active astrocytes (D) and total calcium transients (E) per trial under all conditions tested.

