



Figure 5-figure supplement 1. GABA_A and GABA_B interplay in the astrocyte-interneuron modulation of the excitatory synaptic transmission. (A) Left, averaged relative success rate of up-EPSCs (closed circles) and down-EPSCs (open circles) evoked by the stimulation protocol described in **Figure 5 (inset) over time in wild-type mice in the presence of picrotoxin plus CGP55845 (PTX+CGP; green), and in *Ip3r2*^{-/-} mice in control (red) and in the presence of picrotoxin (PTX; pink). Each point represents the simple moving average of 15 consecutive EPSCs. Horizontal bars indicate the time of pairing. Right, expanded view of gray-shaded areas. (B) Relative changes of synaptic parameters for up-EPSCs (filled bars) and down-EPSCs (open bars) in wild-type mice in the presence of picrotoxin plus CGP55845 (PTX+CGP; green; $n = 9$; $P = 0.81$ (synaptic efficacy up); $P = 0.61$ (synaptic efficacy down); paired t test), and in *Ip3r2*^{-/-} mice in control (red; $n = 7$; $P = 0.004$ (synaptic efficacy up); $P = 0.37$ (synaptic efficacy down); paired t test) and in the presence of picrotoxin (pink; $n = 10$; $P = 0.46$ (synaptic efficacy up); $P = 0.35$ (synaptic efficacy down); paired t test). * $P < 0.05$, ** $P < 0.01$, # $P < 0.001$. Error bars indicate SEM.**