Table S1. Electrophysiological properties of glycine evoked currents in nAc.

Area	Neurons	Glycine sensitive	insensitive	EC ₅₀ (μM)	Current Density (pA/pF)	I _{max} (pA)	10 mM EtOH Potentiation (%)	100 mM EtOH Potentiation (%)	GTP-γ-S potentation (%)
nAc	WT KI	81 % (42) 88 % (57)	19 % (10) 12 % (8)	47 ± 6 (15) 54 ± 1 (12)		314 ± 46 (15) 407 ± 110 (12)	24 ± 9 (8) -17 ± 8 (19) (*)	56 ± 7 (18) 1 ± 6 (24) (***)	85 ± 21 (5) 8 ± 19 (9)(*)

Values are given as mean \pm SEM. Values were fitted to the equation $I_{glicine} = I_{max}$ [glycine]^{nH}/([glycine]^{nH}+[EC₅₀]^{nH}) using Origin 8.0 software . Glycine sensitivity was evaluated with1000 μ M of glycine.

The EC $_{10}$ calculated for both genotypes was used for ethanol and GTP- γ -S sensitivity experiments. "% Potentiation" corresponds to the change between the control with glycine EC $_{10}$ and presence of 10 and 100 mM ethanol. The "% potentiation at 15 min" corresponds to the change after 15 minutes of dialysis of non-hydrolyzed analog, GTP- γ -S, 200 μ M. *p<0.05, ***p<0.001, Unpaired student t test

n=(number of neurons)