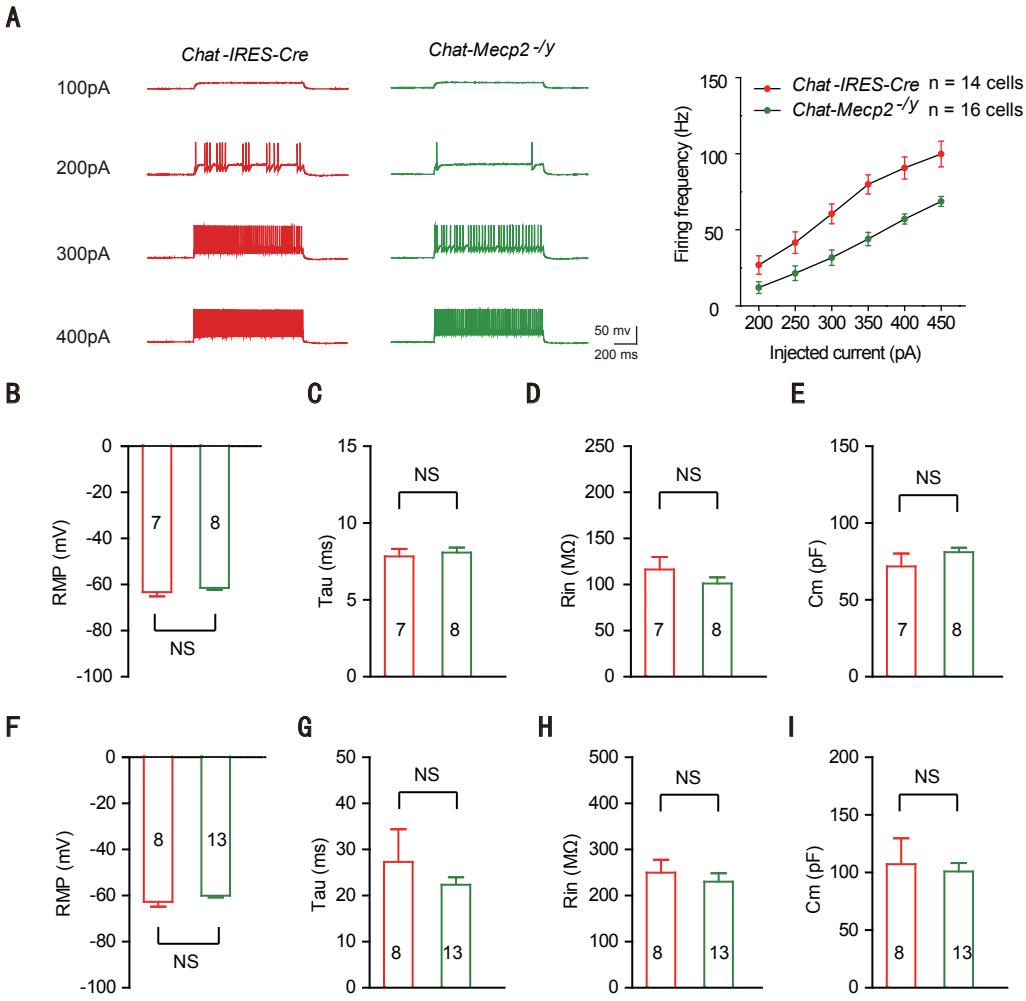
Supplementary Figure - 4 Li



Supplementary Figure 4. *Chat-Mecp2*$^{-/y}$ mice exhibited increased activity of PV interneurons in the hippocampus but no statistical difference in passive membrane properties either in PV interneurons or pyramidal neurons. A, Left, Voltage responses to various current injection steps (1 s) in hippocampal PV interneurons from *Chat-IRES-Cre* and *Chat-Mecp2*$^{-/y}$ mice. Right, Plot of firing frequency in a train elicited in response to a 1 s suprathreshold current of 200 to 450 pA in *Chat-IRES-Cre* and *Chat-Mecp2*$^{-/y}$ mice. **(B-E)** Quantitative analysis of resting membrane potential (RMP), membrane time constant (τ), input resistance (Rin) and membrane capacitance (Cm) of PV interneurons in slices from *Chat-IRES-Cre* and *Chat-Mecp2*$^{-/y}$ mice. **(F-I)** Quantitative analysis of resting membrane potential (RMP), membrane time constant (τ), input resistance (Rin) and membrane capacitance (Cm) of pyramidal neurons in hippocampal slices from *Chat-IRES-Cre* and *Chat-Mecp2*$^{-/y}$ mice. *P*-values were calculated by two-sided t-test. Error bars are means ± s.e.m.