

**Figure S5.** Modulation of  $I_{Gly}$  by endogenous and synthetic cannabinoids in isolated Purkinje neurons. *Left*: representative traces of  $I_{Gly}$  induced by 100 μM of Gly in control and on the top of 2-AG (1 μM) (*a*) and WIN 55,212-2 (1μM) (*b*). *Middle and right*: corresponding traces normalized to the peak amplitude. (*c*)- statistics for the 2-AG – induced changes of the  $I_{Gly}$  peak amplitude,  $\tau_{des}$  and  $t_{on}$  at holding voltages of -100 mV.