



Figure S4. Effect of ionotropic glutamate receptor antagonists on inhibitory responses to SCN and optic nerve stimulation. (a, b) Representative peri-stimulus spike rasters for cells exhibiting inhibitory responses to optic nerve stimulation (a; O.N. inhibited) or SCN stimulation (b), treated with ionotropic glutamate (iGlu-X; 50 μ m D-AP5 and 20 μ m CNQX) and/or GABA receptor antagonists (BIC; 20 μ m (+)-bicuculline). (c,d) Responses of all identified neurons showing inhibitory responses to optic nerve stimulation (c) and 'GABA inhibited' and 'Mixed' responses to SCN stimulation (d). Note that for one of three O.N. inhibited cells (cell shown in panel a), inhibitory responses were blocked by iGlu-X alone whereas as this did not occur for any cells exhibiting inhibitory responses to SCN stimulation.