

**Supplemental Table 1. Cortically-evoked responses and spontaneous firing patterns in normal and transgenic mice**

GPe	Normal			Transgenic		
	ex-inh-ex	ex	with long-lasting inh	ex-inh-ex	ex	with long-lasting inh
regular	1	0	0	0	1	0
bursting	1	0	0	6	38	40
irregular non-bursting	23	8	0	27	15	4
with pauses	4	0	0	8	34	32
without pauses	21	8	0	25	20	12

Values are number of neurons. Numbers of neurons with minor response patterns, such as cortically-evoked ex-inh, inh-ex and inh are omitted. Numbers of neurons without long-lasting inh are not shown. ex, excitation; inh, inhibition.