

Table S1**Table S1.** Basic electrophysiological parameters of L5 pyramidal neurons.

	Control neurons (n = 8)	ChRGR-expressing neurons (n = 9)
Resting potential (mV)	-61 ± 0.65	-60 ± 1.2
Input resistance (Mohm)	170 ± 16	220 ± 32
Input capacitance (pF)	160 ± 12	170 ± 11
Pipette resistance (Mohm)	3.5 ± 0.06	3.2 ± 0.1
Access resistance (Mohm)	26 ± 4.0	17 ± 1.5

Each number represents mean ± SEM. For each parameter no significance was detected between two groups ($P > 0.1$, Mann-Whitney U -test).