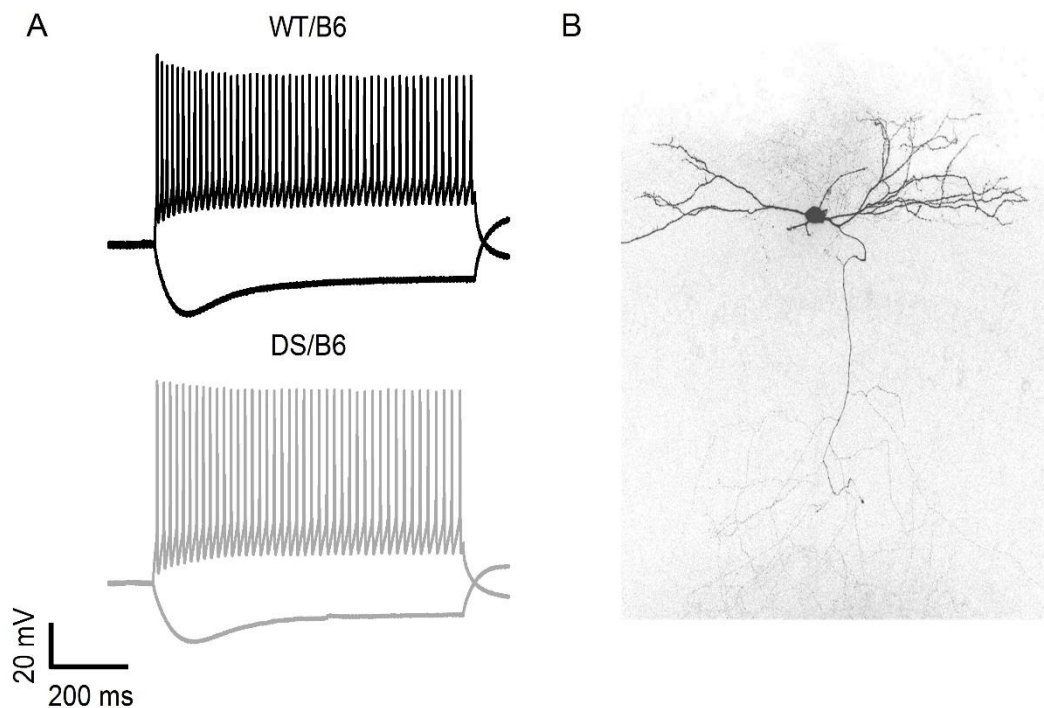


## Supplementary data



### Supplementary Fig. 1: Firing properties of *SO* CA1 interneurons.

A. Firing pattern of *SO* CA1 interneuron in WT/B6 (black) and DS/B6 (gray) in response to hyperpolarizing (-100 pA) and depolarizing (280 pA) current injection. B. Contrast enhanced biocytin filled *SO* interneuron.

**Supplementary Table 1: Electrophysiological parameters of CA1 *SO* interneurons**

	<b>IR (M<math>\Omega</math>)</b>	<b>V<sub>rest</sub> (mV)</b>	<b>C<sub>m</sub> (pF)</b>	<b>Holding current (pA)</b>
<b>WT/129</b>	354.02 $\pm$ 18.08	-56.3 $\pm$ 1.4	20.8 $\pm$ 0.9	-29.7 $\pm$ 0.89
<b>DS/129</b>	338.67 $\pm$ 25.39	-58.6 $\pm$ 1.2	22.2 $\pm$ 2.4	-9.7 $\pm$ 9.5
<b>WT/B6</b>	380.54 $\pm$ 9.97	-53.7 $\pm$ 2	21 $\pm$ 1	-31.6 $\pm$ 6.2
<b>DS/B6</b>	382.47 $\pm$ 20.10	-56.4 $\pm$ 1.3	19.6 $\pm$ 1	-20.7 $\pm$ 10