

Supplementary Information

Table S1. Effects of loss of GLP-1R signalling on intrinsic properties of septal neurons. *n* = number of examined neurons.

	<i>Glp-1 r^{+/+}</i> (n= 21)	<i>Glp-1r^{-/-}</i> (n=23)	P-value
<i>Resting Membrane Potential (mV)</i>	-69.7 ± 15.6	-69.8 ± 14.6	0.99
<i>Cell Capacitance (pF)</i>	90.1 ± 21.9	73.0 ± 15.2	0.08
<i>Input Resistance (MΩ)</i>	389.6 ± 85.0	476.9 ± 99.5	0.08
<i>Membrane time constant (ms)</i>	51.9 ± 11.3	40.4 ± 8.41	0.07
<i>AP threshold (mV)</i>	-40.2 ± 8.7	-41.2 ± 8.6	0.25
<i>AP amplitude (mV)</i>	91.8 ± 20.0	96.3 ± 20.0	0.33
<i>AP width at threshold (ms)</i>	1.9 ± 0.4	1.8 ± 0.4	0.41
<i>fAHP (mV)</i>	13.8 ± 3.0	14.9 ± 3.1	0.51
<i>Threshold current (pA)</i>	44.8 ± 9.7	32.6 ± 6.8	0.12