

Table S1. Statistical data for *in vitro* whole cell patch electrophysiology in the adult mouse (P>30), for action potential analysis. Descriptive values are represented as \pm SEM. Abbreviations: LIII = Lobule III, LX = Lobule X, *df* = degrees of freedom, Hz = hertz, pA = picoampere, Ω = Ohm, mV = millivolt, Vm = membrane voltage, msec = millisecond.

Related Figure	Test Applied	Group	<i>p</i> -Value	Population-Value	Descriptive Values	Population Size
Figure 1B	Mann–Whitney U test	LIII vs. LX	<0.0001	(U) 379	78.22 \pm 9.8 Ω vs. 106.1 \pm 6.6 Ω	38 vs. 48 cells
Figure 1C	Mann–Whitney U test	LIII vs. LX	0.0304	(U) 625	74.25 \pm 9.6 pA vs. 47.13 \pm 5.5 pA	36 vs. 48 cells
Figure 1D	Mann–Whitney U test	LIII vs. LX	0.3809	(U) 750	−43.46 \pm 1.0 mV vs. −42.21 \pm 1.0 mV	36 vs. 47 cells
Figure 1E	Mann–Whitney U test	LIII vs. LX	0.0002	(U) 465	88.11 \pm 1.8 mV vs. 95.95 \pm 1.5 mV	36 vs. 48 cells
Figure 1F1	Mann–Whitney U test	LIII vs. LX	0.0011	(U) 537	0.145 \pm 0.004 msec vs. 0.173 \pm 0.006 msec	37 vs. 48 cells
Figure 1F2	Mann–Whitney U test	LIII vs. LX	0.1621	(U) 739	0.138 \pm 0.007 msec vs. 0.129 \pm 0.003 msec	37 vs. 48 cells
Figure 1F3	Welch’s <i>t</i> -test	LIII vs. LX	<0.0001	(<i>t</i>) 6.805 (<i>df</i>) 77	0.118 \pm 0.005 msec vs. 0.181 \pm 0.008 msec	37 vs. 48 cells
Figure 1G	Unpaired <i>t</i> -test	LIII vs. LX	0.0346	(<i>t</i>) 2.149 (<i>df</i>) 82	10.97 \pm 0.7 mV vs. 9.11 \pm 0.6 mV	37 vs. 48 cells
Figure 1 S1A1	Mann–Whitney U test	LIII vs. LX	<0.0001	(U) 367	62.82 \pm 10.0 Ω vs. 90.41 \pm 6.6 Ω	38 vs. 48 cells
Figure 1 S1A2	Unpaired <i>t</i> -test	LIII vs. LX	0.6703	(<i>t</i>) 0.427 (<i>df</i>) 84	15.40 \pm 0.5 Ω vs. 15.66 \pm 0.4 Ω	38 vs. 48 cells
Figure 1 S1B	Mann–Whitney U test	LIII vs. LX	<0.0001	(U) 390	35.72 \pm 1.6 Vm vs. 43.75 \pm 1.3 Vm	36 vs. 48 cells
Figure 1 S1C	Mann–Whitney U test	LIII vs. LX	0.0005	(U) 490	0.147 \pm 0.032 msec vs. 0.240 \pm 0.034 msec	36 vs. 48 cells

Table S2. Statistical data for in vitro whole cell patch electrophysiology in the adult mouse ($P > 30$), for negative and positive current step analysis. Descriptive values are represented as \pm SEM. Abbreviations: LIII = Lobule III, LX = Lobule X, df = degrees of freedom, Hz = hertz, pA = picoampere, mV = millivolt.

Related Figure	Test Applied	Group	<i>p</i> -Value	Population-Value	Descriptive Values	Population Size
Figure 2B1	Mixed-effects analysis	-0 pA: LIII vs. LX			0.00 \pm 0.0 mV	24 vs. 28 cells
		-40 pA: LIII vs. LX	0.2300	(<i>t</i>) 1.201 (<i>df</i>) 676	-3.40 \pm 0.9 mV vs. -4.86 \pm 0.9 mV	24 vs. 28 cells
		-80 pA: LIII vs. LX	0.6317	(<i>t</i>) 0.480 (<i>df</i>) 676	-11.08 \pm 0.8 mV vs. -10.49 \pm 0.8 mV	24 vs. 28 cells
		-120 pA: LIII vs. LX	0.1699	(<i>t</i>) 1.374 (<i>df</i>) 676	-13.26 \pm 0.9 mV vs. -14.94 \pm 0.7 mV	24 vs. 28 cells
		-160 pA: LIII vs. LX	0.1846	(<i>t</i>) 1.328 (<i>df</i>) 676	-15.67 \pm 0.7 mV vs. -17.29 \pm 0.7 mV	24 vs. 28 cells
		-200 pA: LIII vs. LX	0.1561	(<i>t</i>) 1.420 (<i>df</i>) 676	-17.82 \pm 0.6 mV vs. -19.59 \pm 0.7 mV	24 vs. 28 cells
		-240 pA: LIII vs. LX	0.0718	(<i>t</i>) 1.803 (<i>df</i>) 676	-19.63 \pm 0.6 mV vs. -21.83 \pm 0.7 mV	24 vs. 28 cells
		-280 pA: LIII vs. LX	0.0414	(<i>t</i>) 2.044 (<i>df</i>) 676	-21.37 \pm 0.7 mV vs. -23.87 \pm 0.8 mV	24 vs. 28 cells
		-320 pA: LIII vs. LX	0.0126	(<i>t</i>) 2.502 (<i>df</i>) 676	-22.87 \pm 0.7 mV vs. -25.92 \pm 0.8 mV	24 vs. 28 cells
		-360 pA: LIII vs. LX	0.0035	(<i>t</i>) 2.929 (<i>df</i>) 676	-24.40 \pm 0.8 mV vs. -27.97 \pm 0.9 mV	24 vs. 28 cells
		-400 pA: LIII vs. LX	0.0015	(<i>t</i>) 3.196 (<i>df</i>) 676	-26.04 \pm 0.8 mV vs. -29.94 \pm 1.0 mV	24 vs. 28 cells
		-440 pA: LIII vs. LX	0.0022	(<i>t</i>) 3.078 (<i>df</i>) 676	-25.27 \pm 1.2 mV vs. -33.35 \pm 2.4 mV	7 vs. 9 cells
		-480 pA: LIII vs. LX	0.0008	(<i>t</i>) 3.354 (<i>df</i>) 676	-26.56 \pm 1.3 mV vs. -35.11 \pm 2.3 mV	7 vs. 9 cells
		-520 pA: LIII vs. LX	0.0005	(<i>t</i>) 3.483 (<i>df</i>) 676	-28.58 \pm 1.4 mV vs. -37.45 \pm 2.5 mV	7 vs. 9 cells
		-560 pA: LIII vs. LX	0.0001	(<i>t</i>) 3.880 (<i>df</i>) 676	-30.02 \pm 1.4 mV vs. -39.46 \pm 2.7 mV	7 vs. 9 cells
		-600 pA: LIII vs. LX	>0.0001	(<i>t</i>) 4.223 (<i>df</i>) 676	-31.59 \pm 1.5 mV vs. -41.61 \pm 2.9 mV	7 vs. 9 cells
		-640 pA: LIII vs. LX	>0.0001	(<i>t</i>) 4.670 (<i>df</i>) 676	-33.12 \pm 1.6 mV vs. -43.90 \pm 3.3 mV	7 vs. 9 cells
Figure 2B2	Mixed-effects analysis	-680 pA: LIII vs. LX	>0.0001	(<i>t</i>) 4.930 (<i>df</i>) 676	-34.43 \pm 1.7 mV vs. -45.65 \pm 3.3 mV	7 vs. 9 cells
		-720 pA: LIII vs. LX	>0.0001	(<i>t</i>) 5.405 (<i>df</i>) 676	-35.96 \pm 1.7 mV vs. -47.98 \pm 3.4 mV	7 vs. 9 cells
		-760 pA: LIII vs. LX	>0.0001	(<i>t</i>) 5.597 (<i>df</i>) 676	-37.32 \pm 1.7 mV vs. -49.67 \pm 3.4 mV	7 vs. 9 cells
		-0 pA: LIII vs. LX	>0.0001	(<i>t</i>) 5.409 (<i>df</i>) 676	45.17 \pm 7.2 Hz vs. 29.14 \pm 3.5 Hz	24 vs. 28 cells
		-40 pA: LIII vs. LX	>0.0001	(<i>t</i>) 4.073 (<i>df</i>) 676	24.21 \pm 6.6 Hz vs. 12.14 \pm 3.2 Hz	24 vs. 28 cells
		-80 pA: LIII vs. LX	0.9025	(<i>t</i>) 0.123 (<i>df</i>) 676	3.21 \pm 2.3 Hz vs. 3.57 \pm 2.0 Hz	24 vs. 28 cells
		-120 pA: LIII vs. LX	0.6835	(<i>t</i>) 0.408 (<i>df</i>) 676	1.21 \pm 1.0 Hz vs. 0.00 \pm 0.0 Hz	24 vs. 28 cells
		-160 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	24 vs. 28 cells
		-200 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	24 vs. 28 cells
		-240 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	24 vs. 28 cells
		-280 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	24 vs. 28 cells
		-320 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	24 vs. 28 cells
		-360 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	24 vs. 28 cells
		-400 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	24 vs. 28 cells
		-440 pA: LIII vs. LX	0.7388	(<i>t</i>) 0.334 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	7 vs. 9 cells
		-480 pA: LIII vs. LX	0.7388	(<i>t</i>) 0.334 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	7 vs. 9 cells
		-520 pA: LIII vs. LX	0.7388	(<i>t</i>) 0.334 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	7 vs. 9 cells
Figure 2B3	Mixed-effects analysis	-560 pA: LIII vs. LX	0.7388	(<i>t</i>) 0.334 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	7 vs. 9 cells
		-600 pA: LIII vs. LX	0.7388	(<i>t</i>) 0.334 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	7 vs. 9 cells
		-640 pA: LIII vs. LX	0.7388	(<i>t</i>) 0.334 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	7 vs. 9 cells
		-680 pA: LIII vs. LX	0.7388	(<i>t</i>) 0.334 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	7 vs. 9 cells
		-720 pA: LIII vs. LX	0.7388	(<i>t</i>) 0.334 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	7 vs. 9 cells
		-760 pA: LIII vs. LX	0.7388	(<i>t</i>) 0.334 (<i>df</i>) 676	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	7 vs. 9 cells
		-0 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 676	100 \pm 0 % vs. 100 \pm 0 %	24 vs. 28 cells
		-40 pA: LIII vs. LX	0.0015	(<i>t</i>) 3.189 (<i>df</i>) 676	45 \pm 12 % vs. 28 \pm 6 %	24 vs. 28 cells
		-80 pA: LIII vs. LX	0.0242	(<i>t</i>) 2.259 (<i>df</i>) 676	17 \pm 14 % vs. 6 \pm 3 %	24 vs. 28 cells
		-120 pA: LIII vs. LX	0.4035	(<i>t</i>) 0.000 (<i>df</i>) 676	4 \pm 3 % vs. 0 \pm 0 %	24 vs. 28 cells
		-160 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 676	0 \pm 0 % vs. 0 \pm 0 %	24 vs. 28 cells
		-200 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 676	0 \pm 0 % vs. 0 \pm 0 %	24 vs. 28 cells
		-240 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 676	0 \pm 0 % vs. 0 \pm 0 %	24 vs. 28 cells
		-280 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 676	0 \pm 0 % vs. 0 \pm 0 %	24 vs. 28 cells
		-320 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 676	0 \pm 0 % vs. 0 \pm 0 %	24 vs. 28 cells
		-360 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 676	0 \pm 0 % vs. 0 \pm 0 %	24 vs. 28 cells
		-400 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.190 (<i>df</i>) 676	0 \pm 0 % vs. 0 \pm 0 %	24 vs. 28 cells
		-440 pA: LIII vs. LX	0.8498	(<i>t</i>) 0.190 (<i>df</i>) 676	0 \pm 0 % vs. 0 \pm 0 %	7 vs. 9 cells
		-480 pA: LIII vs. LX	0.8498	(<i>t</i>) 0.190 (<i>df</i>) 676	0 \pm 0 % vs. 0 \pm 0 %	7 vs. 9 cells
		-520 pA: LIII vs. LX	0.8498	(<i>t</i>) 0.190 (<i>df</i>) 676	0 \pm 0 % vs. 0 \pm 0 %	7 vs. 9 cells
		-560 pA: LIII vs. LX	0.8498	(<i>t</i>) 0.190 (<i>df</i>) 676	0 \pm 0 % vs. 0 \pm 0 %	7 vs. 9 cells
		-600 pA: LIII vs. LX	0.8498	(<i>t</i>) 0.190 (<i>df</i>) 676	0 \pm 0 % vs. 0 \pm 0 %	7 vs. 9 cells
		-640 pA: LIII vs. LX	0.8498	(<i>t</i>) 0.190 (<i>df</i>) 676	0 \pm 0 % vs. 0 \pm 0 %	7 vs. 9 cells
		-680 pA: LIII vs. LX	0.8498	(<i>t</i>) 0.190 (<i>df</i>) 676	0 \pm 0 % vs. 0 \pm 0 %	7 vs. 9 cells

			-720 pA: LIII vs. LX	0.8498	(<i>t</i>) 0.190 (<i>df</i>) 676	0 ± 0 % vs. 0 ± 0 %	7 vs. 9 cells
			-760 pA: LIII vs. LX	0.8498	(<i>t</i>) 0.190 (<i>df</i>) 676	0 ± 0 % vs. 0 ± 0 %	7 vs. 9 cells
Figure 2C1	Two-way ANOVA		0 pA: LIII vs. LX			0.00 ± 0.0 mV	24 vs. 28 cells
			40 pA: LIII vs. LX	0.1283	(<i>t</i>) 1.522 (<i>df</i>) 1020	2.49 ± 0.1 mV vs. 4.25 ± 0.5 mV	24 vs. 28 cells
			80 pA: LIII vs. LX	0.1128	(<i>t</i>) 1.587 (<i>df</i>) 1020	8.22 ± 0.9 mV vs. 10.05 ± 0.7 mV	24 vs. 28 cells
			120 pA: LIII vs. LX	0.0658	(<i>t</i>) 1.842 (<i>df</i>) 1020	11.02 ± 0.8 mV vs. 13.16 ± 0.6 mV	24 vs. 28 cells
			160 pA: LIII vs. LX	0.2259	(<i>t</i>) 1.212 (<i>df</i>) 1020	13.24 ± 0.7 mV vs. 14.64 ± 0.5 mV	24 vs. 28 cells
			200 pA: LIII vs. LX	0.4621	(<i>t</i>) 0.736 (<i>df</i>) 1020	14.31 ± 0.5 mV vs. 15.16 ± 0.6 mV	24 vs. 28 cells
			240 pA: LIII vs. LX	0.6287	(<i>t</i>) 0.484 (<i>df</i>) 1020	14.94 ± 0.5 mV vs. 15.50 ± 0.5 mV	24 vs. 28 cells
			280 pA: LIII vs. LX	0.4827	(<i>t</i>) 0.702 (<i>df</i>) 1020	15.60 ± 0.5 mV vs. 14.79 ± 0.7 mV	24 vs. 28 cells
			320 pA: LIII vs. LX	0.4296	(<i>t</i>) 0.790 (<i>df</i>) 1020	15.61 ± 0.6 mV vs. 14.70 ± 0.7 mV	24 vs. 28 cells
			360 pA: LIII vs. LX	0.2566	(<i>t</i>) 1.135 (<i>df</i>) 1020	15.77 ± 0.6 mV vs. 14.45 ± 0.7 mV	24 vs. 28 cells
			400 pA: LIII vs. LX	0.0875	(<i>t</i>) 1.711 (<i>df</i>) 1020	15.98 ± 0.7 mV vs. 14.00 ± 0.9 mV	24 vs. 28 cells
			440 pA: LIII vs. LX	0.2934	(<i>t</i>) 1.051 (<i>df</i>) 1020	15.92 ± 0.8 mV vs. 14.70 ± 0.9 mV	7 vs. 9 cells
			480 pA: LIII vs. LX	0.3516	(<i>t</i>) 0.932 (<i>df</i>) 1020	16.37 ± 1.0 mV vs. 15.29 ± 0.9 mV	7 vs. 9 cells
			520 pA: LIII vs. LX	0.1777	(<i>t</i>) 1.349 (<i>df</i>) 1020	16.71 ± 1.0 mV vs. 15.15 ± 0.8 mV	7 vs. 9 cells
			560 pA: LIII vs. LX	0.0537	(<i>t</i>) 1.931 (<i>df</i>) 1020	17.51 ± 1.1 mV vs. 15.28 ± 0.8 mV	7 vs. 9 cells
			600 pA: LIII vs. LX	0.1716	(<i>t</i>) 1.368 (<i>df</i>) 1020	17.76 ± 1.3 mV vs. 16.18 ± 0.8 mV	7 vs. 9 cells
			640 pA: LIII vs. LX	0.0299	(<i>t</i>) 2.174 (<i>df</i>) 1020	19.33 ± 1.1 mV vs. 16.81 ± 0.9 mV	7 vs. 9 cells
			680 pA: LIII vs. LX	0.0418	(<i>t</i>) 2.038 (<i>df</i>) 1020	20.26 ± 1.2 mV vs. 17.90 ± 0.9 mV	7 vs. 9 cells
Figure 2C2	Two-way ANOVA		720 pA: LIII vs. LX	0.0405	(<i>t</i>) 2.051 (<i>df</i>) 1020	20.99 ± 1.2 mV vs. 18.61 ± 0.9 mV	7 vs. 9 cells
			760 pA: LIII vs. LX	0.0380	(<i>t</i>) 2.078 (<i>df</i>) 1020	22.01 ± 1.3 mV vs. 19.60 ± 0.9 mV	7 vs. 9 cells
			0 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 1020	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
			40 pA: LIII vs. LX	0.8196	(<i>t</i>) 0.228 (<i>df</i>) 1020	0.00 ± 0.0 Hz vs. 2.37 ± 1.5 Hz	26 vs. 27 cells
			80 pA: LIII vs. LX	0.9230	(<i>t</i>) 0.097 (<i>df</i>) 1020	16.89 ± 5.1 Hz vs. 17.89 ± 3.6 Hz	26 vs. 27 cells
			120 pA: LIII vs. LX	0.7867	(<i>t</i>) 0.271 (<i>df</i>) 1020	30.07 ± 6.6 Hz vs. 32.89 ± 4.2 Hz	26 vs. 27 cells
			160 pA: LIII vs. LX	0.8170	(<i>t</i>) 0.232 (<i>df</i>) 1020	43.92 ± 7.1 Hz vs. 41.52 ± 4.4 Hz	26 vs. 27 cells
			200 pA: LIII vs. LX	0.5404	(<i>t</i>) 0.612 (<i>df</i>) 1020	55.77 ± 7.7 Hz vs. 49.41 ± 4.5 Hz	26 vs. 27 cells
			240 pA: LIII vs. LX	0.2165	(<i>t</i>) 1.237 (<i>df</i>) 1020	68.85 ± 7.9 Hz vs. 56.00 ± 4.6 Hz	26 vs. 27 cells
			280 pA: LIII vs. LX	0.1009	(<i>t</i>) 1.642 (<i>df</i>) 1020	79.62 ± 8.3 Hz vs. 62.56 ± 4.9 Hz	26 vs. 27 cells
			320 pA: LIII vs. LX	0.0312	(<i>t</i>) 2.157 (<i>df</i>) 1020	91.12 ± 8.3 Hz vs. 68.70 ± 5.2 Hz	26 vs. 27 cells
			360 pA: LIII vs. LX	0.0072	(<i>t</i>) 2.694 (<i>df</i>) 1020	102.58 ± 8.6 Hz vs. 74.59 ± 5.3 Hz	26 vs. 27 cells
			400 pA: LIII vs. LX	0.0017	(<i>t</i>) 3.145 (<i>df</i>) 1020	113.04 ± 9.0 Hz vs. 80.37 ± 5.5 Hz	26 vs. 27 cells
			440 pA: LIII vs. LX	0.0003	(<i>t</i>) 3.589 (<i>df</i>) 1020	123.77 ± 9.4 Hz vs. 86.48 ± 5.8 Hz	26 vs. 27 cells
			480 pA: LIII vs. LX	<0.0001	(<i>t</i>) 4.174 (<i>df</i>) 1020	134.89 ± 9.8 Hz vs. 91.52 ± 6.0 Hz	26 vs. 27 cells
			520 pA: LIII vs. LX	<0.0001	(<i>t</i>) 4.602 (<i>df</i>) 1020	144.96 ± 10.3 Hz vs. 97.15 ± 6.2 Hz	26 vs. 27 cells
			560 pA: LIII vs. LX	<0.0001	(<i>t</i>) 5.039 (<i>df</i>) 1020	154.54 ± 10.8 Hz vs. 102.19 ± 6.5 Hz	26 vs. 27 cells
			600 pA: LIII vs. LX	<0.0001	(<i>t</i>) 5.504 (<i>df</i>) 1020	163.77 ± 11.2 Hz vs. 106.59 ± 6.6 Hz	26 vs. 27 cells
Figure 2C3	Two-way ANOVA		640 pA: LIII vs. LX	<0.0001	(<i>t</i>) 5.976 (<i>df</i>) 1020	173.19 ± 11.4 Hz vs. 111.11 ± 6.8 Hz	26 vs. 27 cells
			680 pA: LIII vs. LX	<0.0001	(<i>t</i>) 6.390 (<i>df</i>) 1020	182.27 ± 11.4 Hz vs. 115.89 ± 7.1 Hz	26 vs. 27 cells
			720 pA: LIII vs. LX	<0.0001	(<i>t</i>) 6.838 (<i>df</i>) 1020	191.04 ± 11.4 Hz vs. 120.00 ± 7.2 Hz	26 vs. 27 cells
			760 pA: LIII vs. LX	<0.0001	(<i>t</i>) 7.335 (<i>df</i>) 1020	200.42 ± 11.7 Hz vs. 124.22 ± 7.4 Hz	26 vs. 27 cells
			0 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 1020	0 ± 0 % vs. 0 ± 0 %	26 vs. 27 cells
			40 pA: LIII vs. LX	0.4887	(<i>t</i>) 0.693 (<i>df</i>) 1020	0 ± 0 % vs. 2 ± 1 %	26 vs. 27 cells
			80 pA: LIII vs. LX	0.0114	(<i>t</i>) 2.535 (<i>df</i>) 1020	7 ± 2 % vs. 13 ± 3 %	26 vs. 27 cells
			120 pA: LIII vs. LX	<0.0001	(<i>t</i>) 4.576 (<i>df</i>) 1020	14 ± 2 % vs. 24 ± 2 %	26 vs. 27 cells
			160 pA: LIII vs. LX	<0.0001	(<i>t</i>) 4.830 (<i>df</i>) 1020	20 ± 3 % vs. 31 ± 2 %	26 vs. 27 cells
			200 pA: LIII vs. LX	<0.0001	(<i>t</i>) 5.250 (<i>df</i>) 1020	26 ± 3 % vs. 38 ± 2 %	26 vs. 27 cells
			240 pA: LIII vs. LX	<0.0001	(<i>t</i>) 4.893 (<i>df</i>) 1020	33 ± 2 % vs. 44 ± 2 %	26 vs. 27 cells
			280 pA: LIII vs. LX	<0.0001	(<i>t</i>) 4.902 (<i>df</i>) 1020	38 ± 2 % vs. 49 ± 2 %	26 vs. 27 cells
			320 pA: LIII vs. LX	<0.0001	(<i>t</i>) 4.533 (<i>df</i>) 1020	44 ± 2 % vs. 54 ± 2 %	26 vs. 27 cells
			360 pA: LIII vs. LX	<0.0001	(<i>t</i>) 4.160 (<i>df</i>) 1020	50 ± 2 % vs. 59 ± 2 %	26 vs. 27 cells
			400 pA: LIII vs. LX	<0.0001	(<i>t</i>) 3.957 (<i>df</i>) 1020	95 ± 2 % vs. 64 ± 2 %	26 vs. 27 cells
			440 pA: LIII vs. LX	0.0002	(<i>t</i>) 3.705 (<i>df</i>) 1020	61 ± 1 % vs. 69 ± 1 %	26 vs. 27 cells
			480 pA: LIII vs. LX	0.0025	(<i>t</i>) 3.036 (<i>df</i>) 1020	66 ± 1 % vs. 73 ± 1 %	26 vs. 27 cells
			520 pA: LIII vs. LX	0.0046	(<i>t</i>) 2.842 (<i>df</i>) 1020	71 ± 1 % vs. 78 ± 1 %	26 vs. 27 cells
Figure 2S1B	Mixed-effects		560 pA: LIII vs. LX	0.0109	(<i>t</i>) 2.551 (<i>df</i>) 1020	76 ± 1 % vs. 82 ± 1 %	26 vs. 27 cells
			600 pA: LIII vs. LX	0.0398	(<i>t</i>) 2.058 (<i>df</i>) 1020	80 ± 1 % vs. 85 ± 1 %	26 vs. 27 cells
			640 pA: LIII vs. LX	0.1273	(<i>t</i>) 1.526 (<i>df</i>) 1020	86 ± 1 % vs. 89 ± 1 %	26 vs. 27 cells
			680 pA: LIII vs. LX	0.2524	(<i>t</i>) 1.145 (<i>df</i>) 1020	91 ± 1 % vs. 93 ± 0 %	26 vs. 27 cells
			720 pA: LIII vs. LX	0.5578	(<i>t</i>) 0.586 (<i>df</i>) 1020	95 ± 0 % vs. 96 ± 0 %	26 vs. 27 cells
			760 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 1020	100 ± 0 % vs. 100 ± 0 %	26 vs. 27 cells
			-0 pA: LIII vs. LX			0.00 ± 0.0 mV vs. 0.00 ± 0.0 mV	24 vs. 28 cells
			-40 pA: LIII vs. LX	0.6272	(<i>t</i>) 0.486 (<i>df</i>) 676	0.30 ± 0.1 mV vs. 0.60 ± 0.2 mV	24 vs. 28 cells

Figure 2 S1C	Two-way ANOVA	analysis	-80 pA: LIII vs. LX	0.9784	(t) 0.027 (df) 676	1.33 ± 0.3 mV vs. 1.35 ± 0.2 mV	24 vs. 28 cells
		-120 pA: LIII vs. LX	0.4429	(t) 0.768 (df) 676	1.85 ± 0.3 mV vs. 2.32 ± 0.3 mV	24 vs. 28 cells	
		-160 pA: LIII vs. LX	0.4927	(t) 0.686 (df) 676	2.70 ± 0.4 mV vs. 3.12 ± 0.4 mV	24 vs. 28 cells	
		-200 pA: LIII vs. LX	0.4668	(t) 0.728 (df) 676	3.54 ± 0.4 mV vs. 3.98 ± 0.4 mV	24 vs. 28 cells	
		-240 pA: LIII vs. LX	0.1982	(t) 1.288 (df) 676	4.22 ± 0.4 mV vs. 4.99 ± 0.4 mV	24 vs. 28 cells	
		-280 pA: LIII vs. LX	0.1248	(t) 1.537 (df) 676	4.94 ± 0.4 mV vs. 5.87 ± 0.4 mV	24 vs. 28 cells	
		-320 pA: LIII vs. LX	0.0381	(t) 2.078 (df) 676	5.44 ± 0.5 mV vs. 6.70 ± 0.5 mV	24 vs. 28 cells	
		-360 pA: LIII vs. LX	0.0236	(t) 2.269 (df) 676	6.08 ± 0.5 mV vs. 7.45 ± 0.5 mV	24 vs. 28 cells	
		-400 pA: LIII vs. LX	0.0095	(t) 2.600 (df) 676	6.69 ± 0.5 mV vs. 8.26 ± 0.6 mV	24 vs. 28 cells	
		-440 pA: LIII vs. LX	0.0155	(t) 2.426 (df) 676	6.58 ± 1.0 mV vs. 9.00 ± 1.1 mV	7 vs. 9 cells	
		-480 pA: LIII vs. LX	0.0116	(t) 2.532 (df) 676	7.26 ± 0.9 mV vs. 9.76 ± 0.9 mV	7 vs. 9 cells	
		-520 pA: LIII vs. LX	0.0190	(t) 2.350 (df) 676	8.18 ± 0.7 mV vs. 10.54 ± 0.8 mV	7 vs. 9 cells	
		-560 pA: LIII vs. LX	0.0494	(t) 1.969 (df) 676	8.77 ± 0.7 mV vs. 10.83 ± 1.0 mV	7 vs. 9 cells	
		-600 pA: LIII vs. LX	0.0349	(t) 2.113 (df) 676	9.07 ± 0.9 mV vs. 11.24 ± 1.0 mV	7 vs. 9 cells	
		-640 pA: LIII vs. LX	0.0576	(t) 1.902 (df) 676	9.57 ± 1.0 mV vs. 11.58 ± 1.1 mV	7 vs. 9 cells	
		-680 pA: LIII vs. LX	0.1962	(t) 1.294 (df) 676	10.40 ± 1.0 mV vs. 11.93 ± 0.9 mV	7 vs. 9 cells	
		-720 pA: LIII vs. LX	0.2001	(t) 1.283 (df) 676	10.70 ± 1.0 mV vs. 12.22 ± 1.0 mV	7 vs. 9 cells	
		-760 pA: LIII vs. LX	0.5226	(t) 0.640 (df) 676	12.41 ± 1.6 mV vs. 12.42 ± 1.0 mV	7 vs. 9 cells	
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 1020	0.00 ± 0.0 mV vs. 0.00 ± 0.0 mV	26 vs. 27 cells	
		40 pA: LIII vs. LX	0.7561	(t) 0.311 (df) 1020	0.07 ± 0.1 mV vs. 0.19 ± 0.1 mV	26 vs. 27 cells	
		80 pA: LIII vs. LX	0.6293	(t) 0.483 (df) 1020	0.91 ± 0.3 mV vs. 1.10 ± 0.3 mV	26 vs. 27 cells	
		120 pA: LIII vs. LX	0.5389	(t) 0.615 (df) 1020	1.47 ± 0.3 mV vs. 1.71 ± 0.2 mV	26 vs. 27 cells	
		160 pA: LIII vs. LX	0.7305	(t) 0.345 (df) 1020	1.97 ± 0.3 mV vs. 2.11 ± 0.2 mV	26 vs. 27 cells	
		200 pA: LIII vs. LX	0.5314	(t) 0.626 (df) 1020	2.37 ± 0.3 mV vs. 2.13 ± 0.2 mV	26 vs. 27 cells	
		240 pA: LIII vs. LX	0.5345	(t) 0.621 (df) 1020	2.61 ± 0.3 mV vs. 2.37 ± 0.3 mV	26 vs. 27 cells	
		280 pA: LIII vs. LX	0.5728	(t) 0.564 (df) 1020	2.72 ± 0.3 mV vs. 2.49 ± 0.2 mV	26 vs. 27 cells	
		320 pA: LIII vs. LX	0.2359	(t) 1.186 (df) 1020	2.95 ± 0.3 mV vs. 2.49 ± 0.2 mV	26 vs. 27 cells	
		360 pA: LIII vs. LX	0.6282	(t) 0.485 (df) 1020	2.98 ± 0.3 mV vs. 2.80 ± 0.3 mV	26 vs. 27 cells	
		400 pA: LIII vs. LX	0.3656	(t) 0.905 (df) 1020	3.13 ± 0.3 mV vs. 2.77 ± 0.3 mV	26 vs. 27 cells	
		440 pA: LIII vs. LX	0.4909	(t) 0.689 (df) 1020	3.12 ± 0.3 mV vs. 2.85 ± 0.3 mV	26 vs. 27 cells	
		480 pA: LIII vs. LX	0.6834	(t) 0.408 (df) 1020	3.09 ± 0.3 mV vs. 2.93 ± 0.3 mV	26 vs. 27 cells	
		520 pA: LIII vs. LX	0.8736	(t) 0.159 (df) 1020	3.15 ± 0.3 mV vs. 3.08 ± 0.3 mV	26 vs. 27 cells	
		560 pA: LIII vs. LX	0.9643	(t) 0.045 (df) 1020	3.20 ± 0.3 mV vs. 3.21 ± 0.4 mV	26 vs. 27 cells	
		600 pA: LIII vs. LX	0.8260	(t) 0.220 (df) 1020	3.26 ± 0.3 mV vs. 3.35 ± 0.4 mV	26 vs. 27 cells	
		640 pA: LIII vs. LX	0.7859	(t) 0.272 (df) 1020	3.35 ± 0.3 mV vs. 3.46 ± 0.4 mV	26 vs. 27 cells	
		680 pA: LIII vs. LX	0.9943	(t) 0.007 (df) 1020	3.43 ± 0.3 mV vs. 3.44 ± 0.4 mV	26 vs. 27 cells	
		720 pA: LIII vs. LX	0.7041	(t) 0.380 (df) 1020	3.47 ± 0.3 mV vs. 3.62 ± 0.4 mV	26 vs. 27 cells	
		760 pA: LIII vs. LX	0.8276	(t) 0.218 (df) 1020	3.52 ± 0.3 mV vs. 3.61 ± 0.4 mV	26 vs. 27 cells	

Table S3. Statistical data for in vitro whole cell patch electrophysiology in the adult mouse ($P > 30$), for negative and positive current ramp analysis. Descriptive values are represented as \pm SEM. Abbreviations: LIII = Lobule III, LIII \downarrow = Lobule III downphase at the current ramp, LIII \uparrow = Lobule III upphase at the current ramp, LX = Lobule X, LX \downarrow = Lobule X downphase at the current ramp, LX \uparrow = Lobule X upphase at the current ramp, df = degrees of freedom, Hz = hertz, mV = millivolt.

Related Figure	Test Applied	Group	<i>p</i> -Value	Population-Value	Descriptive Values	Population Size
Figure 3B1	Two-way ANOVA	-0 pA: LIII vs. LX			0.00 ± 0.0 mV vs. 0.00 ± 0.0 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.9981	(<i>t</i>) 0.002 (<i>df</i>) 1666	0.06 ± 0.0 mV vs. 0.06 ± 0.07 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.9658	(<i>t</i>) 0.043 (<i>df</i>) 1666	0.02 ± 0.0 mV vs. -0.02 ± 0.1 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.9491	(<i>t</i>) 0.064 (<i>df</i>) 1666	-0.04 ± 0.0 mV vs. 0.02 ± 0.1 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.9609	(<i>t</i>) 0.049 (<i>df</i>) 1666	0.00 ± 0.1 mV vs. 0.04 ± 0.1 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.9969	(<i>t</i>) 0.004 (<i>df</i>) 1666	-0.02 ± 0.1 mV vs. -0.02 ± 0.1 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.9518	(<i>t</i>) 0.060 (<i>df</i>) 1666	-0.09 ± 0.1 mV vs. -0.04 ± 0.1 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.8012	(<i>t</i>) 0.252 (<i>df</i>) 1666	-0.10 ± 0.1 mV vs. 0.10 ± 0.1 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.9786	(<i>t</i>) 0.027 (<i>df</i>) 1666	-0.11 ± 0.1 mV vs. -0.13 ± 0.1 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.9809	(<i>t</i>) 0.024 (<i>df</i>) 1666	-0.16 ± 0.1 mV vs. -0.14 ± 0.1 mV	23 vs. 28 cells
		-40 pA: LIII vs. LX	0.7749	(<i>t</i>) 0.286 (<i>df</i>) 1666	-0.56 ± 0.1 mV vs. -0.79 ± 0.1 mV	23 vs. 28 cells
		-80 pA: LIII vs. LX	0.4059	(<i>t</i>) 0.831 (<i>df</i>) 1666	-3.53 ± 0.8 mV vs. -2.86 ± 0.5 mV	23 vs. 28 cells
		-120 pA: LIII vs. LX	0.1539	(<i>t</i>) 1.426 (<i>df</i>) 1666	-11.03 ± 1.2 mV vs. -9.89 ± 1.2 mV	23 vs. 28 cells
		-160 pA: LIII vs. LX	0.3807	(<i>t</i>) 0.877 (<i>df</i>) 1666	-15.77 ± 0.8 mV vs. -16.47 ± 1.1 mV	23 vs. 28 cells
		-200 pA: LIII vs. LX	<u>0.0019</u>	(<i>t</i>) 3.113 (<i>df</i>) 1666	-17.77 ± 0.8 mV vs. -20.26 ± 0.7mV	23 vs. 28 cells
		-240 pA: LIII vs. LX	<u>0.0005</u>	(<i>t</i>) 3.481 (<i>df</i>) 1666	-19.94 ± 0.7 mV vs. -22.73 ± 0.8 mV	23 vs. 28 cells
		-280 pA: LIII vs. LX	<u>0.0002</u>	(<i>t</i>) 3.781 (<i>df</i>) 1666	-21.87 ± 0.8 mV vs. -24.90 ± 0.9 mV	23 vs. 28 cells
		-320 pA: LIII vs. LX	<u><0.0001</u>	(<i>t</i>) 4.025 (<i>df</i>) 1666	-23.35 ± 0.8 mV vs. -26.57 ± 0.9 mV	23 vs. 28 cells
		-280 pA: LIII vs. LX	<u>0.0023</u>	(<i>t</i>) 3.059 (<i>df</i>) 1666	-20.95 ± 0.7 mV vs. -23.41 ± 0.9 mV	23 vs. 28 cells
		-240 pA: LIII vs. LX	<u>0.0146</u>	(<i>t</i>) 2.444 (<i>df</i>) 1666	-19.19 ± 0.7 mV vs. -21.15 ± 0.8 mV	23 vs. 28 cells
		-200 pA: LIII vs. LX	0.1012	(<i>t</i>) 1.640 (<i>df</i>) 1666	-17.31 ± 0.7 mV vs. -18.63 ± 0.8 mV	23 vs. 28 cells
		-160 pA: LIII vs. LX	0.2155	(<i>t</i>) 1.239 (<i>df</i>) 1666	-15.14 ± 0.7 mV vs. -16.13 ± 0.8 mV	23 vs. 28 cells
		-120 pA: LIII vs. LX	0.4816	(<i>t</i>) 0.704 (<i>df</i>) 1666	-12.73 ± 0.7 mV vs. -13.30 ± 0.7 mV	23 vs. 28 cells
		-80 pA: LIII vs. LX	0.9268	(<i>t</i>) 0.092 (<i>df</i>) 1666	-10.24 ± 0.7 mV vs. -10.31 ± 0.7 mV	23 vs. 28 cells
		-40 pA: LIII vs. LX	0.3062	(<i>t</i>) 1.024 (<i>df</i>) 1666	-7.48 ± 0.7 mV vs. -6.66 ± 0.8 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.8513	(<i>t</i>) 0.188 (<i>df</i>) 1666	-2.29 ± 0.6 mV vs. -2.44 ± 0.7 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.3672	(<i>t</i>) 0.902 (<i>df</i>) 1666	-0.81 ± 0.4 mV vs. -1.53 ± 0.6 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.5021	(<i>t</i>) 0.671 (<i>df</i>) 1666	-0.48 ± 0.4 mV vs. -1.02 ± 0.5 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.5332	(<i>t</i>) 0.623 (<i>df</i>) 1666	-0.19 ± 0.2 mV vs. -0.69 ± 0.5 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.5857	(<i>t</i>) 0.545 (<i>df</i>) 1666	-0.09 ± 0.2 mV vs. -0.53 ± 0.4 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.5030	(<i>t</i>) 0.670 (<i>df</i>) 1666	0.12 ± 0.2 mV vs. -0.41 ± 0.4 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.6352	(<i>t</i>) 0.475 (<i>df</i>) 1666	0.12 ± 0.1 mV vs. -0.26 ± 0.3 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.7281	(<i>t</i>) 0.348 (<i>df</i>) 1666	0.11 ± 0.1 mV vs. -0.17 ± 0.2 mV	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.9379	(<i>t</i>) 0.078 (<i>df</i>) 1666	0.19 ± 0.1 mV vs. 0.13 ± 0.2 mV	23 vs. 28 cells
Figure 3B2	Two-way ANOVA	-0 pA: LIII↓ vs. LIII↑	0.7678	(<i>t</i>) 0.276 (<i>df</i>) 347	0.06 ± 0.0 mV vs. 0.19 ± 0.1 mV	23 cells
		-0 pA: LIII↓ vs. LIII↑	0.8409	(<i>t</i>) 0.188 (<i>df</i>) 347	0.02 ± 0.0 mV vs. 0.11 ± 0.1 mV	
		-0 pA: LIII↓ vs. LIII↑	0.7312	(<i>t</i>) 0.321 (<i>df</i>) 347	-0.04 ± 0.0 mV vs. 0.12 ± 0.1 mV	
		-0 pA: LIII↓ vs. LIII↑	0.7915	(<i>t</i>) 0.247 (<i>df</i>) 347	0.00 ± 0.1 mV vs. 0.12 ± 0.2 mV	
		-0 pA: LIII↓ vs. LIII↑	0.8788	(<i>t</i>) 0.143 (<i>df</i>) 347	-0.02 ± 0.1 mV vs. -0.09 ± 0.2 mV	
		-0 pA: LIII↓ vs. LIII↑	0.8116	(<i>t</i>) 0.223 (<i>df</i>) 347	-0.09 ± 0.1 mV vs. -0.19 ± 0.2 mV	
		-0 pA: LIII↓ vs. LIII↑	0.3987	(<i>t</i>) 0.789 (<i>df</i>) 347	-0.10 ± 0.1 mV vs. -0.49 ± 0.4 mV	
		-0 pA: LIII↓ vs. LIII↑	0.1200	(<i>t</i>) 1.455 (<i>df</i>) 347	-0.11 ± 0.1 mV vs. -0.81 ± 0.4 mV	
		-0 pA: LIII↓ vs. LIII↑	<u><0.0001</u>	(<i>t</i>) 4.433 (<i>df</i>) 347	-0.16 ± 0.1 mV vs. -2.29 ± 0.5 mV	
		-40 pA: LIII↓ vs. LIII↑	<u><0.0001</u>	(<i>t</i>) 14.36 (<i>df</i>) 347	-0.56 ± 0.1 mV vs. -7.48 ± 0.6 mV	
		-80 pA: LIII↓ vs. LIII↑	<u><0.0001</u>	(<i>t</i>) 13.92 (<i>df</i>) 347	-3.53 ± 0.1 mV vs. -10.24 ± 0.7 mV	
		-120 pA: LIII↓ vs. LIII↑	<u>0.0002</u>	(<i>t</i>) 3.521 (<i>df</i>) 347	-11.03 ± 1.2 mV vs. -12.73 ± 0.7 mV	
		-160 pA: LIII↓ vs. LIII↑	0.1629	(<i>t</i>) 1.306 (<i>df</i>) 347	-15.77 ± 0.8 mV vs. -15.14 ± 0.7 mV	
		-200 pA: LIII↓ vs. LIII↑	0.3150	(<i>t</i>) 0.937 (<i>df</i>) 347	-17.77 ± 0.8 mV vs. -17.31 ± 0.7 mV	
		-240 pA: LIII↓ vs. LIII↑	0.0964	(<i>t</i>) 1.556 (<i>df</i>) 347	-19.94 ± 0.7 mV vs. -19.19 ± 0.7 mV	
		-280 pA: LIII↓ vs. LIII↑	<u>0.0431</u>	(<i>t</i>) 1.895 (<i>df</i>) 347	-21.87 ± 0.8 mV vs. -20.95 ± 0.7 mV	
		-320 pA		-23.35 ± 0.8 mV		
Figure 3B3	Two-way ANOVA	-0 pA: LX↓ vs. LX↑	0.8868	(<i>t</i>) 0.142 (<i>df</i>) 432	0.06 ± 0.1 mV vs. 0.13 ± 0.2 mV	28 cells
		-0 pA: LX↓ vs. LX↑	0.7625	(<i>t</i>) 0.302 (<i>df</i>) 432	-0.02 ± 0.1 mV vs. -0.17 ± 0.2 mV	
		-0 pA: LX↓ vs. LX↑	0.5870	(<i>t</i>) 0.544 (<i>df</i>) 432	0.02 ± 0.1 mV vs. -0.26 ± 0.3 mV	
		-0 pA: LX↓ vs. LX↑	0.3697	(<i>t</i>) 0.898 (<i>df</i>) 432	0.04 ± 0.1 mV vs. -0.41 ± 0.4 mV	
		-0 pA: LX↓ vs. LX↑	0.3242	(<i>t</i>) 0.987 (<i>df</i>) 432	-0.02 ± 0.1 mV vs. -0.53 ± 0.4 mV	
		-0 pA: LX↓ vs. LX↑	0.1987	(<i>t</i>) 1.287 (<i>df</i>) 432	-0.04 ± 0.1 mV vs. -0.69 ± 0.5 mV	

		-0 pA: LX↓ vs. LX↑	0.0283	(t) 2.201 (df) 432	0.10 ± 0.1 mV vs. -1.02 ± 0.5 mV	
		-0 pA: LX↓ vs. LX↑	0.0061	(t) 2.756 (df) 432	-0.13 ± 0.1 mV vs. -1.53 ± 0.6 mV	
		-0 pA: LX↓ vs. LX↑	<0.0001	(t) 4.531 (df) 432	-0.14 ± 0.1 mV vs. -2.44 ± 0.7 mV	
		-40 pA: LX↓ vs. LX↑	<0.0001	(t) 11.540 (df) 432	-0.79 ± 0.1 mV vs. -6.66 ± 0.8 mV	
		-80 pA: LX↓ vs. LX↑	<0.0001	(t) 14.630 (df) 432	-2.86 ± 0.6 mV vs. -10.31 ± 0.7 mV	
		-120 pA: LX↓ vs. LX↑	<0.0001	(t) 6.689 (df) 432	-9.89 ± 1.2 mV vs. -13.30 ± 0.7 mV	
		-160 pA: LX↓ vs. LX↑	0.5055	(t) 0.666 (df) 432	-16.47 ± 1.1 mV vs. -16.13 ± 0.8 mV	
		-200 pA: LX↓ vs. LX↑	0.0014	(t) 3.208 (df) 432	-20.26 ± 0.7 mV vs. -18.83 ± 0.8 mV	
		-240 pA: LX↓ vs. LX↑	0.0020	(t) 3.106 (df) 432	-22.73 ± 0.8 mV vs. -21.15 ± 0.8 mV	
		-280 pA: LX↓ vs. LX↑	0.0035	(t) 2.933 (df) 432	-24.89 ± 0.9 mV vs. -23.41 ± 0.9 mV	
		-320 pA			-26.54 ± 0.9 mV	
Figure 3C1	Two-way ANOVA	-0 pA: LIII vs. LX	0.0412	(t) 2.043 (df) 1666	39.82 ± 6.2 Hz vs. 29.31 ± 3.3 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.0252	(t) 2.240 (df) 1666	41.01 ± 6.3 Hz vs. 29.50 ± 3.3 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.0287	(t) 2.189 (df) 1666	41.12 ± 6.4 Hz vs. 29.87 ± 3.4 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.0264	(t) 2.223 (df) 1666	41.44 ± 6.4 Hz vs. 30.02 ± 3.4 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.0198	(t) 2.33 (df) 1666	42.24 ± 6.5 Hz vs. 30.00 ± 3.4 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.0163	(t) 2.404 (df) 1666	42.62 ± 6.5 Hz vs. 30.24 ± 3.4 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.0162	(t) 2.407 (df) 1666	42.76 ± 6.5 Hz vs. 30.44 ± 3.5 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.0166	(t) 2.397 (df) 1666	43.01 ± 6.6 Hz vs. 30.57 ± 3.4 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.0156	(t) 2.421 (df) 1666	43.05 ± 6.6 Hz vs. 30.30 ± 3.5 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.0129	(t) 2.488 (df) 1666	32.05 ± 6.1 Hz vs. 23.70 ± 3.3 Hz	23 vs. 28 cells
		-40 pA: LIII vs. LX	0.1045	(t) 1.624 (df) 1666	14.76 ± 4.7 Hz vs. 11.53 ± 2.9 Hz	23 vs. 28 cells
		-80 pA: LIII vs. LX	0.5305	(t) 0.627 (df) 1666	4.68 ± 2.18 Hz vs. 4.21 ± 2.0 Hz	23 vs. 28 cells
		-120 pA: LIII vs. LX	0.9267	(t) 0.091 (df) 1666	0.46 ± 0.38 Hz vs. 1.30 ± 0.9 Hz	23 vs. 28 cells
		-160 pA: LIII vs. LX	0.8696	(t) 0.164 (df) 1666	0.00 ± 0.0 Hz vs. 0.09 ± 0.1 Hz	23 vs. 28 cells
		-200 pA: LIII vs. LX	0.9861	(t) 0.017 (df) 1666	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	23 vs. 28 cells
		-240 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 1666	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	23 vs. 28 cells
		-280 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 1666	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	23 vs. 28 cells
		-320 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 1666	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	23 vs. 28 cells
		-280 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 1666	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	23 vs. 28 cells
		-240 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 1666	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	23 vs. 28 cells
		-200 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 1666	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	23 vs. 28 cells
		-160 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 1666	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	23 vs. 28 cells
		-120 pA: LIII vs. LX	0.8919	(t) 0.136 (df) 1666	0.70 ± 0.6 Hz vs. 0.00 ± 0.0 Hz	23 vs. 28 cells
		-80 pA: LIII vs. LX	0.7853	(t) 0.273 (df) 1666	1.47 ± 1.1 Hz vs. 0.07 ± 0.1 Hz	23 vs. 28 cells
		-40 pA: LIII vs. LX	0.8375	(t) 0.205 (df) 1666	3.93 ± 1.9 Hz vs. 2.88 ± 1.4 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.1714	(t) 1.368 (df) 1666	17.89 ± 5.3 Hz vs. 10.86 ± 2.3 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.1105	(t) 1.597 (df) 1666	25.49 ± 5.5 Hz vs. 17.28 ± 2.9 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.1499	(t) 1.441 (df) 1666	27.46 ± 5.5 Hz vs. 20.06 ± 3.1 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.1471	(t) 1.450 (df) 1666	29.65 ± 5.6 Hz vs. 22.19 ± 3.1 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.1142	(t) 1.580 (df) 1666	31.50 ± 5.6 Hz vs. 23.38 ± 3.1 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.1240	(t) 1.539 (df) 1666	32.22 ± 5.7 Hz vs. 24.31 ± 3.0 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.0728	(t) 1.795 (df) 1666	34.99 ± 5.7 Hz vs. 25.77 ± 3.0 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.0583	(t) 1.895 (df) 1666	36.00 ± 5.9 Hz vs. 26.26 ± 3.0 Hz	23 vs. 28 cells
		-0 pA: LIII vs. LX	0.0602	(t) 1.881 (df) 1666	37.28 ± 6.1 Hz vs. 27.61 ± 3.0 Hz	23 vs. 28 cells
Figure 3C2	Mixed-effects analysis	-0 pA: LIII↓ vs. LIII↑	0.0891	(t) 1.705 (df) 352	41.01 ± 6.3 Hz vs. 37.28 ± 6.1 Hz	
		-0 pA: LIII↓ vs. LIII↑	0.0200	(t) 2.337 (df) 352	41.12 ± 6.4 Hz vs. 36.00 ± 5.9 Hz	
		-0 pA: LIII↓ vs. LIII↑	0.0167	(t) 2.943 (df) 352	41.44 ± 6.4 Hz vs. 34.99 ± 5.7 Hz	
		-0 pA: LIII↓ vs. LIII↑	0.0002	(t) 4.568 (df) 352	42.24 ± 6.5 Hz vs. 32.22 ± 5.7 Hz	
		-0 pA: LIII↓ vs. LIII↑	<0.0001	(t) 4.949 (df) 352	42.35 ± 6.4 Hz vs. 31.50 ± 5.6 Hz	
		-0 pA: LIII↓ vs. LIII↑	<0.0001	(t) 5.917 (df) 352	42.62 ± 6.5 Hz vs. 29.65 ± 5.6 Hz	
		-0 pA: LIII↓ vs. LIII↑	<0.0001	(t) 6.979 (df) 352	42.76 ± 6.5 Hz vs. 27.46 ± 5.5 Hz	
		-0 pA: LIII↓ vs. LIII↑	<0.0001	(t) 7.990 (df) 352	43.01 ± 6.6 Hz vs. 25.49 ± 5.5 Hz	
		-0 pA: LIII↓ vs. LIII↑	<0.0001	(t) 11.48 (df) 352	43.05 ± 6.6 Hz vs. 17.89 ± 5.3 Hz	23 cells
		-40 pA: LIII↓ vs. LIII↑	<0.0001	(t) 12.83 (df) 352	32.05 ± 6.1 Hz vs. 3.93 ± 1.9 Hz	
		-80 pA: LIII↓ vs. LIII↑	<0.0001	(t) 6.061 (df) 352	14.76 ± 4.7 Hz vs. 1.47 ± 1.1 Hz	
		-120 pA: LIII↓ vs. LIII↑	0.0700	(t) 1.817 (df) 352	4.68 ± 2.2 Hz vs. 0.70 ± 0.6 Hz	
		-160 pA: LIII↓ vs. LIII↑	0.8341	(t) 0.210 (df) 352	0.46 ± 0.4 Hz vs. 0.00 ± 0.00 Hz	
		-200 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 352	0.00 ± 0.0 Hz vs. 0.00 ± 0.00 Hz	
		-240 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 352	0.00 ± 0.0 Hz vs. 0.00 ± 0.00 Hz	
		-280 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 352	0.00 ± 0.0 Hz vs. 0.00 ± 0.00 Hz	
Figure 3C3	Mixed-effects	-320 pA			0.00 ± 0.0 Hz	
		-0 pA: LX↓ vs. LX↑	0.2304	(t) 0.836 (df) 459	29.50 ± 3.3 Hz vs. 27.61 ± 3.0 Hz	28 cells
		-0 pA: LX↓ vs. LX↑	0.0222	(t) 1.597 (df) 459	29.87 ± 3.4 Hz vs. 26.26 ± 3.0 Hz	

analysis	-0 pA: LX↓ vs. LX↑	0.0071	(t) 1.882 (df) 459	30.02 ± 3.4 Hz vs. 25.77 ± 3.0 Hz	
	-0 pA: LX↓ vs. LX↑	0.0002	(t) 2.628 (df) 459	30.25 ± 3.4 Hz vs. 24.31 ± 3.0 Hz	
	-0 pA: LX↓ vs. LX↑	<0.0001	(t) 2.928 (df) 459	30.00 ± 3.4 Hz vs. 23.38 ± 3.1 Hz	
	-0 pA: LX↓ vs. LX↑	<0.0001	(t) 3.563 (df) 459	30.24 ± 3.5 Hz vs. 22.19 ± 3.1 Hz	
	-0 pA: LX↓ vs. LX↑	<0.0001	(t) 4.594 (df) 459	30.43 ± 3.4 Hz vs. 20.06 ± 3.1 Hz	
	-0 pA: LX↓ vs. LX↑	<0.0001	(t) 5.877 (df) 459	30.57 ± 3.5 Hz vs. 17.28 ± 2.9 Hz	
	-0 pA: LX↓ vs. LX↑	<0.0001	(t) 8.585 (df) 459	30.26 ± 3.5 Hz vs. 10.86 ± 2.3 Hz	
	-40 pA: LX↓ vs. LX↑	<0.0001	(t) 9.216 (df) 459	23.70 ± 3.3 Hz vs. 2.88 ± 1.4 Hz	
	-80 pA: LX↓ vs. LX↑	<0.0001	(t) 5.072 (df) 459	11.53 ± 2.9 Hz vs. 0.07 ± 0.1 Hz	
	-120 pA: LX↓ vs. LX↑	0.0077	(t) 1.863 (df) 459	4.21 ± 2.0 Hz vs. 0.00 ± 0.0 Hz	
	-160 pA: LX↓ vs. LX↑	0.4075	(t) 0.577 (df) 459	1.30 ± 0.9 Hz vs. 0.00 ± 0.0 Hz	
	-200 pA: LX↓ vs. LX↑	0.9547	(t) 0.040 (df) 459	0.09 ± 0.1 Hz vs. 0.00 ± 0.0 Hz	
	-240 pA: LX↓ vs. LX↑	>0.9999	(t) 0.000 (df) 459	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
	-280 pA: LX↓ vs. LX↑	>0.9999	(t) 0.000 (df) 459	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
	-320 pA			0.00 ± 0.0 Hz	
Figure 3D1	0 pA: LIII vs. LX			0.00 ± 0.0 mV vs. 0.00 ± 0.0 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.8868	(t) 0.142 (df) 1694	0.00 ± 0.0 mV vs. 0.02 ± 0.0 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.9017	(t) 0.124 (df) 1694	-0.01 ± 0.0 mV vs. 0.02 ± 0.0 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.8848	(t) 0.145 (df) 1694	0.00 ± 0.0 mV vs. 0.02 ± 0.0 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.9079	(t) 0.116 (df) 1694	0.01 ± 0.0 mV vs. 0.05 ± 0.0 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.9282	(t) 0.090 (df) 1694	0.01 ± 0.0 mV vs. 0.07 ± 0.0 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.911	(t) 0.117 (df) 1694	0.03 ± 0.0 mV vs. 0.10 ± 0.0 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.8817	(t) 0.149 (df) 1694	0.03 ± 0.0 mV vs. 0.13 ± 0.0 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.9276	(t) 0.091 (df) 1694	0.04 ± 0.0 mV vs. 0.10 ± 0.0 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.8813	(t) 0.149 (df) 1694	0.04 ± 0.0 mV vs. 0.14 ± 0.0 mV	26 vs. 27 cells
	40 pA: LIII vs. LX	0.7201	(t) 0.359 (df) 1694	0.52 ± 0.1 mV vs. 0.76 ± 0.2 mV	26 vs. 27 cells
	80 pA: LIII vs. LX	0.0412	(t) 2.043 (df) 1694	3.83 ± 0.1 mV vs. 5.18 ± 0.3 mV	26 vs. 27 cells
	120 pA: LIII vs. LX	0.0331	(t) 2.132 (df) 1694	7.82 ± 0.6 mV vs. 9.23 ± 0.5 mV	26 vs. 27 cells
	160 pA: LIII vs. LX	0.0179	(t) 2.371 (df) 1694	11.50 ± 0.6 mV vs. 13.06 ± 0.5 mV	26 vs. 27 cells
	200 pA: LIII vs. LX	0.3822	(t) 0.874 (df) 1694	14.33 ± 0.6 mV vs. 14.91 ± 0.5 mV	26 vs. 27 cells
	240 pA: LIII vs. LX	0.3957	(t) 0.850 (df) 1694	15.74 ± 0.5 mV vs. 16.30 ± 0.7 mV	26 vs. 27 cells
	280 pA: LIII vs. LX	0.9212	(t) 0.099 (df) 1694	16.40 ± 0.5 mV vs. 16.46 ± 0.7 mV	26 vs. 27 cells
	320 pA: LIII vs. LX	0.3040	(t) 1.028 (df) 1694	16.34 ± 0.6 mV vs. 15.66 ± 0.9 mV	26 vs. 27 cells
	280 pA: LIII vs. LX	0.7905	(t) 0.266 (df) 1694	16.64 ± 0.6 mV vs. 16.46 ± 0.7 mV	26 vs. 27 cells
	240 pA: LIII vs. LX	0.8633	(t) 0.172 (df) 1694	16.20 ± 0.5 mV vs. 16.09 ± 0.7 mV	26 vs. 27 cells
	200 pA: LIII vs. LX	0.6796	(t) 0.413 (df) 1694	15.01 ± 0.5 mV vs. 15.28 ± 0.7 mV	26 vs. 27 cells
	160 pA: LIII vs. LX	0.0445	(t) 2.011 (df) 1694	13.24 ± 0.7 mV vs. 14.57 ± 0.7 mV	26 vs. 27 cells
	120 pA: LIII vs. LX	0.0157	(t) 2.419 (df) 1694	11.43 ± 0.9 mV vs. 13.03 ± 0.8 mV	26 vs. 27 cells
	80 pA: LIII vs. LX	<0.0001	(t) 4.810 (df) 1694	7.95 ± 1.0 mV vs. 11.13 ± 1.0 mV	26 vs. 27 cells
	40 pA: LIII vs. LX	<0.0001	(t) 6.316 (df) 1694	3.82 ± 1.1 mV vs. 7.99 ± 1.2 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.0405	(t) 2.050 (df) 1694	0.03 ± 0.4 mV vs. 1.39 ± 0.7 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.6118	(t) 0.508 (df) 1694	0.05 ± 0.1 mV vs. -0.29 ± 0.2 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.6395	(t) 0.469 (df) 1694	0.11 ± 0.1 mV vs. -0.20 ± 0.1 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.7359	(t) 0.337 (df) 1694	0.04 ± 0.0 mV vs. -0.18 ± 0.0 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.6687	(t) 0.428 (df) 1694	0.06 ± 0.0 mV vs. -0.11 ± 0.0 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.7170	(t) 0.363 (df) 1694	0.05 ± 0.0 mV vs. -0.07 ± 0.0 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.7840	(t) 0.247 (df) 1694	0.03 ± 0.0 mV vs. -0.03 ± 0.0 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.8254	(t) 0.221 (df) 1694	0.04 ± 0.0 mV vs. 0.01 ± 0.0 mV	26 vs. 27 cells
	0 pA: LIII vs. LX	0.7569	(t) 0.310 (df) 1694	0.04 ± 0.0 mV vs. -0.05 ± 0.1 mV	26 vs. 27 cells
Figure 3D2	0 pA: LIII↓ vs. LIII↑	0.9151	(t) 0.107 (df) 416	0.00 ± 0.0 mV vs. 0.04 ± 0.0 mV	
	0 pA: LIII↓ vs. LIII↑	0.8991	(t) 0.127 (df) 416	-0.10 ± 0.0 mV vs. 0.04 ± 0.0 mV	
	0 pA: LIII↓ vs. LIII↑	0.9263	(t) 0.093 (df) 416	0.00 ± 0.0 mV vs. 0.03 ± 0.0 mV	
	0 pA: LIII↓ vs. LIII↑	0.9033	(t) 0.122 (df) 416	0.01 ± 0.0 mV vs. 0.05 ± 0.0 mV	
	0 pA: LIII↓ vs. LIII↑	0.8708	(t) 0.163 (df) 416	0.01 ± 0.0 mV vs. 0.06 ± 0.0 mV	
	0 pA: LIII↓ vs. LIII↑	0.9752	(t) 0.031 (df) 416	0.03 ± 0.0 mV vs. 0.04 ± 0.0 mV	
	0 pA: LIII↓ vs. LIII↑	0.8540	(t) 0.184 (df) 416	0.03 ± 0.0 mV vs. 0.11 ± 0.1 mV	
	0 pA: LIII↓ vs. LIII↑	0.9793	(t) 0.026 (df) 416	0.04 ± 0.0 mV vs. 0.05 ± 0.1 mV	26 cells
	0 pA: LIII↓ vs. LIII↑	0.9917	(t) 0.010 (df) 416	0.04 ± 0.0 mV vs. 0.03 ± 0.4 mV	
	40 pA: LIII↓ vs. LIII↑	<0.0001	(t) 7.420 (df) 416	0.52 ± 0.1 mV vs. 3.82 ± 1.1 mV	
	80 pA: LIII↓ vs. LIII↑	<0.0001	(t) 9.265 (df) 416	3.83 ± 0.1 mV vs. 7.95 ± 1.0 mV	
	120 pA: LIII↓ vs. LIII↑	<0.0001	(t) 8.126 (df) 416	7.82 ± 0.6 mV vs. 11.43 ± 0.9 mV	
	160 pA: LIII↓ vs. LIII↑	0.0001	(t) 3.918 (df) 416	11.50 ± 0.6 mV vs. 13.24 ± 0.7 mV	
	200 pA: LIII↓ vs. LIII↑	0.1301	(t) 1.517 (df) 416	14.33 ± 0.6 mV vs. 15.01 ± 0.5 mV	
	240 pA: LIII↓ vs. LIII↑	0.3025	(t) 1.032 (df) 416	15.74 ± 0.5 mV vs. 16.20 ± 0.5 mV	

Figure 3D3	Mixed-effects analysis	280 pA: LIII↓ vs. LIII↑	0.5926	(<i>t</i>) 0.535 (<i>df</i>) 416	16.40 ± 0.5 mV vs. 16.64 ± 0.6 mV	27 cells
		320 pA			16.34 ± 0.6 mV	
		0 pA: LX↓ vs. LX↑	0.8721	(<i>t</i>) 0.161 (<i>df</i>) 415	0.02 ± 0.0 mV vs. -0.05 ± 0.1 mV	
		0 pA: LX↓ vs. LX↑	0.9535	(<i>t</i>) 0.058 (<i>df</i>) 415	0.02 ± 0.0 mV vs. 0.01 ± 0.0 mV	
		0 pA: LX↓ vs. LX↑	0.8999	(<i>t</i>) 0.126 (<i>df</i>) 415	0.02 ± 0.0 mV vs. -0.03 ± 0.0 mV	
		0 pA: LX↓ vs. LX↑	0.8054	(<i>t</i>) 0.247 (<i>df</i>) 415	0.05 ± 0.0 mV vs. -0.07 ± 0.0 mV	
		0 pA: LX↓ vs. LX↑	0.6601	(<i>t</i>) 0.440 (<i>df</i>) 415	0.07 ± 0.0 mV vs. -0.11 ± 0.0 mV	
		0 pA: LX↓ vs. LX↑	0.5917	(<i>t</i>) 0.537 (<i>df</i>) 415	0.10 ± 0.0 mV vs. -0.18 ± 0.0 mV	
		0 pA: LX↓ vs. LX↑	0.5366	(<i>t</i>) 0.619 (<i>df</i>) 415	0.13 ± 0.0 mV vs. -0.20 ± 0.1 mV	
		0 pA: LX↓ vs. LX↑	0.4664	(<i>t</i>) 0.729 (<i>df</i>) 415	0.10 ± 0.0 mV vs. -0.29 ± 0.2 mV	
		0 pA: LX↓ vs. LX↑	0.0180	(<i>t</i>) 2.375 (<i>df</i>) 415	0.14 ± 0.0 mV vs. 1.39 ± 0.7 mV	
		40 pA: LX↓ vs. LX↑	<0.0001	(<i>t</i>) 13.470 (<i>df</i>) 415	0.76 ± 0.2 mV vs. 7.99 ± 1.2 mV	
		80 pA: LX↓ vs. LX↑	<0.0001	(<i>t</i>) 11.300 (<i>df</i>) 415	5.18 ± 0.3 mV vs. 11.13 ± 1.0 mV	
		120 pA: LX↓ vs. LX↑	<0.0001	(<i>t</i>) 7.226 (<i>df</i>) 415	9.23 ± 0.5 mV vs. 13.03 ± 0.8 mV	
		160 pA: LX↓ vs. LX↑	0.0045	(<i>t</i>) 2.860 (<i>df</i>) 415	13.06 ± 0.5 mV vs. 14.57 ± 0.7 mV	
		200 pA: LX↓ vs. LX↑	0.4821	(<i>t</i>) 0.704 (<i>df</i>) 415	14.91 ± 0.5 mV vs. 15.28 ± 0.7 mV	
		240 pA: LX↓ vs. LX↑	0.6829	(<i>t</i>) 0.409 (<i>df</i>) 415	16.30 ± 0.7 mV vs. 16.09 ± 0.7 mV	
		280 pA: LX↓ vs. LX↑	0.9961	(<i>t</i>) 0.005 (<i>df</i>) 415	16.46 ± 0.7 mV vs. 16.46 ± 0.7 mV	
		320 pA			15.66 ± 0.9 mV vs. 15.66 ± 0.9 mV	
Figure 3E1	Mixed-effects analysis	0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		40 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		80 pA: LIII vs. LX	0.8280	(<i>t</i>) 0.217 (<i>df</i>) 1694	0.73 ± 0.0 Hz vs. 1.78 ± 1.0 Hz	26 vs. 27 cells
		120 pA: LIII vs. LX	0.6231	(<i>t</i>) 0.492 (<i>df</i>) 1694	13.10 ± 4.4 Hz vs. 10.73 ± 2.7 Hz	26 vs. 27 cells
		160 pA: LIII vs. LX	0.5397	(<i>t</i>) 0.613 (<i>df</i>) 1694	29.79 ± 6.6 Hz vs. 26.83 ± 3.7 Hz	26 vs. 27 cells
		200 pA: LIII vs. LX	0.1272	(<i>t</i>) 1.526 (<i>df</i>) 1694	47.75 ± 7.3 Hz vs. 40.40 ± 4.3 Hz	26 vs. 27 cells
		240 pA: LIII vs. LX	0.0156	(<i>t</i>) 2.421 (<i>df</i>) 1694	63.79 ± 7.8 Hz vs. 52.13 ± 4.2 Hz	26 vs. 27 cells
		280 pA: LIII vs. LX	0.0009	(<i>t</i>) 3.331 (<i>df</i>) 1694	77.81 ± 8.3 Hz vs. 61.76 ± 4.4 Hz	26 vs. 27 cells
		320 pA: LIII vs. LX	<0.0001	(<i>t</i>) 4.350 (<i>df</i>) 1694	88.65 ± 8.6 Hz vs. 67.69 ± 4.7 Hz	26 vs. 27 cells
		280 pA: LIII vs. LX	0.0004	(<i>t</i>) 3.543 (<i>df</i>) 1694	77.99 ± 8.3 Hz vs. 60.92 ± 4.4 Hz	26 vs. 27 cells
		240 pA: LIII vs. LX	0.0181	(<i>t</i>) 2.366 (<i>df</i>) 1694	64.00 ± 8.1 Hz vs. 52.60 ± 4.2 Hz	26 vs. 27 cells
		200 pA: LIII vs. LX	0.2112	(<i>t</i>) 1.251 (<i>df</i>) 1694	49.95 ± 7.4 Hz vs. 43.92 ± 3.9 Hz	26 vs. 27 cells
		160 pA: LIII vs. LX	0.6611	(<i>t</i>) 0.138 (<i>df</i>) 1694	36.57 ± 6.7 Hz vs. 34.46 ± 3.6 Hz	26 vs. 27 cells
		120 pA: LIII vs. LX	0.7107	(<i>t</i>) 0.371 (<i>df</i>) 1694	23.42 ± 5.5 Hz vs. 25.21 ± 3.2 Hz	26 vs. 27 cells
		80 pA: LIII vs. LX	0.6104	(<i>t</i>) 0.510 (<i>df</i>) 1694	12.71 ± 4.0 Hz vs. 15.17 ± 2.4 Hz	26 vs. 27 cells
		40 pA: LIII vs. LX	0.8125	(<i>t</i>) 0.237 (<i>df</i>) 1694	4.20 ± 1.8 Hz vs. 5.35 ± 1.2 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX	0.9964	(<i>t</i>) 0.004 (<i>df</i>) 1694	0.48 ± 0.4 Hz vs. 0.50 ± 0.2 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX	0.9769	(<i>t</i>) 0.029 (<i>df</i>) 1694	0.21 ± 0.2 Hz vs. 0.07 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX	0.9924	(<i>t</i>) 0.009 (<i>df</i>) 1694	0.06 ± 0.1 Hz vs. 0.02 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
		0 pA: LIII vs. LX			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 vs. 27 cells
Figure 3E2	Mixed-effects analysis	0 pA: LIII↓ vs. LIII↑			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	26 cells
		0 pA: LIII↓ vs. LIII↑			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LIII↓ vs. LIII↑			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LIII↓ vs. LIII↑			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LIII↓ vs. LIII↑			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LIII↓ vs. LIII↑			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LIII↓ vs. LIII↑	0.9879	(<i>t</i>) 0.015 (<i>df</i>) 416	0.00 ± 0.0 Hz vs. 0.06 ± 0.1 Hz	
		0 pA: LIII↓ vs. LIII↑	0.9610	(<i>t</i>) 0.049 (<i>df</i>) 416	0.00 ± 0.0 Hz vs. 0.21 ± 0.2 Hz	
		0 pA: LIII↓ vs. LIII↑	0.9098	(<i>t</i>) 0.113 (<i>df</i>) 416	0.00 ± 0.0 Hz vs. 0.48 ± 0.4 Hz	
		40 pA: LIII↓ vs. LIII↑	0.3224	(<i>t</i>) 0.991 (<i>df</i>) 416	0.00 ± 0.0 Hz vs. 4.2 ± 1.8 Hz	
		80 pA: LIII↓ vs. LIII↑	0.0050	(<i>t</i>) 2.824 (<i>df</i>) 416	0.73 ± 0.3 Hz vs. 12.71 ± 4.0 Hz	

		120 pA: LIII↓ vs. LIII↑	<u>0.0154</u>	(<i>t</i>) 2.432 (<i>df</i>) 416	13.10 ± 4.4 Hz vs. 23.42 ± 5.5 Hz	
		160 pA: LIII↓ vs. LIII↑	0.1106	(<i>t</i>) 1.599 (<i>df</i>) 416	29.79 ± 6.6 Hz vs. 36.57 ± 6.7 Hz	
		200 pA: LIII↓ vs. LIII↑	0.6045	(<i>t</i>) 0.518 (<i>df</i>) 416	47.75 ± 7.3 Hz vs. 49.95 ± 7.4 Hz	
		240 pA: LIII↓ vs. LIII↑	0.96410	(<i>t</i>) 0.049 (<i>df</i>) 416	63.79 ± 7.8 Hz vs. 64 ± 8.1 Hz	
		280 pA: LIII↓ vs. LIII↑	0.9667	(<i>t</i>) 0.042 (<i>df</i>) 416	77.81 ± 8.3 Hz vs. 77.99 ± 8.3 Hz	
		320 pA			88.65 ± 8.6 Hz	
Figure 3E3	Mixed-effects analysis	0 pA: LX↓ vs. LX↑			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	27 cells
		0 pA: LX↓ vs. LX↑			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LX↓ vs. LX↑			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LX↓ vs. LX↑			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LX↓ vs. LX↑			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LX↓ vs. LX↑			0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LX↓ vs. LX↑	0.9902	(<i>t</i>) 0.012 (<i>df</i>) 415	0.00 ± 0.0 Hz vs. 0.02 ± 0.0 Hz	
		0 pA: LX↓ vs. LX↑	0.9641	(<i>t</i>) 0.045 (<i>df</i>) 415	0.00 ± 0.0 Hz vs. 0.07 ± 0.0 Hz	
		0 pA: LX↓ vs. LX↑	0.7389	(<i>t</i>) 0.334 (<i>df</i>) 415	0.00 ± 0.0 Hz vs. 0.50 ± 0.2 Hz	
		40 pA: LX↓ vs. LX↑	<u>0.0004</u>	(<i>t</i>) 3.550 (<i>df</i>) 415	0.00 ± 0.0 Hz vs. 5.35 ± 1.2 Hz	
		80 pA: LX↓ vs. LX↑	<u><0.0001</u>	(<i>t</i>) 8.892 (<i>df</i>) 415	1.78 ± 1.0 Hz vs. 15.17 ± 2.4 Hz	
		120 pA: LX↓ vs. LX↑	<u><0.0001</u>	(<i>t</i>) 9.613 (<i>df</i>) 415	10.73 ± 2.7 Hz vs. 25.21 ± 3.2 Hz	
		160 pA: LX↓ vs. LX↑	<u><0.0001</u>	(<i>t</i>) 5.064 (<i>df</i>) 415	26.83 ± 3.7 Hz vs. 34.46 ± 3.6 Hz	
		200 pA: LX↓ vs. LX↑	<u>0.0198</u>	(<i>t</i>) 2.340 (<i>df</i>) 415	40.40 ± 4.3 Hz vs. 43.92 ± 3.9 Hz	
		240 pA: LX↓ vs. LX↑	0.7551	(<i>t</i>) 0.312 (<i>df</i>) 415	52.13 ± 4.2 Hz vs. 52.60 ± 4.2 Hz	
		280 pA: LX↓ vs. LX↑	0.5762	(<i>t</i>) 0.559 (<i>df</i>) 415	61.76 ± 4.4 Hz vs. 60.92 ± 4.4 Hz	
		320 pA			67.69 ± 4.7 Hz vs. 67.69 ± 4.7 Hz	

Table S4. Statistical data for in vitro whole cell patch electrophysiology in the juvenile mouse (P3-24), for action potential analysis. Descriptive values are represented as \pm SEM. Abbreviations: LIII = Lobule III, LX = Lobule X, *df* = degrees of freedom, pA = picoampere, Ω = ohm, mV = millivolt, Vm = membrane voltage, msec = millisecond.

Related Figure	Test Applied	Group	<i>p</i> -Value	Population-Value	Descriptive Values	Population Size
Figure 4B	One-way ANOVA	P3-5: LIII vs. LX	0.5629	(<i>t</i>) 0.582 (<i>df</i>) 51	-21.89 \pm 5.2 Vm vs. -25.91 \pm 3.4 Vm	3 vs. 18 cells
		P15-17: LIII vs LX	0.7420	(<i>t</i>) 0.331 (<i>df</i>) 51	-38.35 \pm 3.1 Vm vs. -36.76 \pm 2.1 Vm	9 vs. 13 cells
		P22-24: LIII vs LX	0.8364	(<i>t</i>) 0.208 (<i>df</i>) 51	-38.51 \pm 5.4 Vm vs. -39.79 \pm 2.8 Vm	5 vs. 9 cells
		LIII: P3-5 vs. P15-17	0.0303	(<i>t</i>) 2.228 (<i>df</i>) 51	-21.89 \pm 5.2 Vm vs. -38.35 \pm 3.1 Vm	3 vs. 9 cells
		LIII: P3-5 vs. P22-24	0.0451	(<i>t</i>) 2.054 (<i>df</i>) 51	-21.89 \pm 5.2 Vm vs. -38.51 \pm 5.4 Vm	3 vs. 5 cells
		LIII: P15-17 vs. P22-24	0.7830	(<i>t</i>) 0.026 (<i>df</i>) 51	-38.35 \pm 3.1 Vm vs. -38.51 \pm 5.4 Vm	9 vs. 5 cells
		LX: P3-5 vs. P15-17	0.0097	(<i>t</i>) 2.095 (<i>df</i>) 51	-25.91 \pm 3.4 Vm vs. -36.76 \pm 2.1 Vm	18 vs. 13 cells
		LX: P3-5 vs. P22-24	0.0034	(<i>t</i>) 3.068 (<i>df</i>) 51	-25.91 \pm 3.4 Vm vs. -39.79 \pm 2.8 Vm	18 vs. 9 cells
Figure 4C	One-way ANOVA	LX: P15-17 vs. P22-24	0.5302	(<i>t</i>) 0.632 (<i>df</i>) 51	-36.76 \pm 2.1 Vm vs. -39.79 \pm 2.8 Vm	13 vs. 9 cells
		P3-5: LIII vs. LX	0.4313	(<i>t</i>) 0.793 (<i>df</i>) 51	61.24 \pm 5.8 mV vs. 66.77 \pm 2.2 mV	3 vs. 18 cells
		P15-17: LIII vs LX	0.8533	(<i>t</i>) 0.186 (<i>df</i>) 51	89.09 \pm 4.7 mV vs. 89.99 \pm 3.6 mV	9 vs. 13 cells
		P22-24: LIII vs LX	0.2000	(<i>t</i>) 1.298 (<i>df</i>) 51	89.30 \pm 6.4 mV vs. 97.39 \pm 2.3 mV	5 vs. 9 cells
		LIII: P3-5 vs. P15-17	0.0005	(<i>t</i>) 3.740 (<i>df</i>) 51	61.24 \pm 5.8 mV vs. 89.09 \pm 4.7 mV	3 vs. 9 cells
		LIII: P3-5 vs. P22-24	0.0012	(<i>t</i>) 3.439 (<i>df</i>) 51	61.24 \pm 5.8 mV vs. 89.30 \pm 6.4 mV	3 vs. 5 cells
		LIII: P15-17 vs. P22-24	0.9735	(<i>t</i>) 0.033 (<i>df</i>) 51	89.09 \pm 4.7 mV vs. 89.30 \pm 6.4 mV	9 vs. 5 cells
		LX: P3-5 vs. P15-17	<0.0001	(<i>t</i>) 5.712 (<i>df</i>) 51	66.77 \pm 2.2 mV vs. 89.99 \pm 3.6 mV	18 vs. 13 cells
Figure 4D1	Kruskal–Wallis test	LX: P3-5 vs. P22-24	<0.0001	(<i>t</i>) 3.990 (<i>df</i>) 51	66.77 \pm 2.2 mV vs. 97.39 \pm 2.3 mV	18 vs. 9 cells
		LX: P15-17 vs. P22-24	0.1329	(<i>t</i>) 1.527 (<i>df</i>) 51	89.99 \pm 3.6 mV vs. 97.39 \pm 2.3 mV	13 vs. 9 cells
		P3-5: LIII vs. LX	0.9698	(<i>Z</i>) 0.038	0.89 \pm 0.17 msec vs. 0.85 \pm 0.06 msec	3 vs. 18 cells
		P15-17: LIII vs LX	0.2963	(<i>Z</i>) 1.044	0.15 \pm 0.01 msec vs. 0.18 \pm 0.01 msec	9 vs. 13 cells
		P22-24: LIII vs LX	0.0705	(<i>Z</i>) 1.809	0.15 \pm 0.01 msec vs. 0.22 \pm 0.02 msec	5 vs. 9 cells
		LIII: P3-5 vs. P15-17	0.0013	(<i>Z</i>) 3.217	0.89 \pm 0.17 msec vs. 0.15 \pm 0.01 msec	3 vs. 9 cells
		LIII: P3-5 vs. P22-24	0.0026	(<i>Z</i>) 3.012	0.89 \pm 0.17 msec vs. 0.15 \pm 0.01 msec	3 vs. 5 cells
		LIII: P15-17 vs. P22-24	0.9220	(<i>Z</i>) 0.098	0.15 \pm 0.01 msec vs. 0.15 \pm 0.01 msec	9 vs. 5 cells
Figure 4D2	Kruskal–Wallis test	LX: P3-5 vs. P15-17	<0.0001	(<i>Z</i>) 4.583	0.85 \pm 0.06 msec vs. 0.18 \pm 0.01 msec	18 vs. 13 cells
		LX: P3-5 vs. P22-24	0.0043	(<i>Z</i>) 2.858	0.85 \pm 0.06 msec vs. 0.22 \pm 0.02 msec	18 vs. 9 cells
		LX: P15-17 vs. P22-24	0.2475	(<i>Z</i>) 1.156	0.18 \pm 0.01 msec vs. 0.22 \pm 0.02 msec	13 vs. 9 cells
		P3-5: LIII vs. LX	0.9436	(<i>Z</i>) 0.071	0.69 \pm 0.16 msec vs. 0.65 \pm 0.07 msec	3 vs. 18 cells
		P15-17: LIII vs LX	0.9530	(<i>Z</i>) 0.059	0.16 \pm 0.02 msec vs. 0.16 \pm 0.02 msec	9 vs. 13 cells
		P22-24: LIII vs LX	0.1674	(<i>Z</i>) 1.381	0.12 \pm 0.00 msec vs. 0.15 \pm 0.01 msec	5 vs. 9 cells
		LIII: P3-5 vs. P15-17	0.0125	(<i>Z</i>) 2.499	0.69 \pm 0.16 msec vs. 0.16 \pm 0.02 msec	3 vs. 9 cells
		LIII: P3-5 vs. P22-24	0.0012	(<i>Z</i>) 3.233	0.69 \pm 0.16 msec vs. 0.12 \pm 0.00 msec	3 vs. 5 cells
Figure 4D3	Brown-Forsythe and Welch ANOVA test	LIII: P15-17 vs. P22-24	0.2124	(<i>Z</i>) 1.247	0.16 \pm 0.02 msec vs. 0.12 \pm 0.00 msec	9 vs. 5 cells
		LX: P3-5 vs. P15-17	<0.0001	(<i>Z</i>) 4.385	0.65 \pm 0.07 msec vs. 0.16 \pm 0.02 msec	18 vs. 13 cells
		LX: P3-5 vs. P22-24	0.0002	(<i>Z</i>) 3.790	0.65 \pm 0.07 msec vs. 0.15 \pm 0.01 msec	18 vs. 9 cells
		LX: P15-17 vs. P22-24	0.9099	(<i>Z</i>) 0.113	0.16 \pm 0.02 msec vs. 0.15 \pm 0.01 msec	13 vs. 9 cells
		P3-5: LIII vs. LX	0.6002	(<i>t</i>) 0.575(<i>df</i>) 4	0.64 \pm 0.12 msec vs. 0.72 \pm 0.07 msec	3 vs. 18 cells
		P15-17: LIII vs LX	0.0081	(<i>t</i>) 3.006 (<i>df</i>) 17	0.14 \pm 0.00 msec vs. 0.17 \pm 0.01 msec	9 vs. 13 cells
		P22-24: LIII vs LX	<0.0001	(<i>t</i>) 6.076 (<i>df</i>) 12	0.13 \pm 0.01 msec vs. 0.24 \pm 0.02 msec	5 vs. 9 cells
		LIII: P3-5 vs. P15-17	0.0547	(<i>t</i>) 4.089 (<i>df</i>) 2	0.64 \pm 0.12 msec vs. 0.14 \pm 0.00 msec	3 vs. 9 cells
Figure 4E	Kruskal–Wallis test	LIII: P3-5 vs. P22-24	0.0516	(<i>t</i>) 4.175 (<i>df</i>) 2	0.64 \pm 0.12 msec vs. 0.13 \pm 0.01 msec	3 vs. 5 cells
		LIII: P15-17 vs. P22-24	0.3282	(<i>t</i>) 1.068 (<i>df</i>) 6	0.14 \pm 0.00 msec vs. 0.13 \pm 0.01 msec	9 vs. 5 cells
		LX: P3-5 vs. P15-17	<0.0001	(<i>t</i>) 7.680 (<i>df</i>) 18	0.72 \pm 0.07 msec vs. 0.17 \pm 0.01 msec	18 vs. 13 cells
		LX: P3-5 vs. P22-24	<0.0001	(<i>t</i>) 6.626 (<i>df</i>) 19	0.72 \pm 0.07 msec vs. 0.24 \pm 0.02 msec	18 vs. 9 cells
		LX: P15-17 vs. P22-24	0.0026	(<i>t</i>) 3.635 (<i>df</i>) 14	0.17 \pm 0.01 msec vs. 0.24 \pm 0.02 msec	13 vs. 9 cells
		P3-5: LIII vs. LX	>0.9999	(<i>Z</i>) 0.000	0.00 \pm 0.00 mV vs. 0.00 \pm 0.00 mV	3 vs. 18 cells
		P15-17: LIII vs LX	0.3885	(<i>Z</i>) 0.862	8.24 \pm 0.94 mV vs. 6.55 \pm 1.02 mV	9 vs. 13 cells
		P22-24: LIII vs LX	0.6090	(<i>Z</i>) 0.512	11.06 \pm 1.81 mV vs. 9.36 \pm 1.28 mV	5 vs. 9 cells
Figure 4E	Kruskal–Wallis test	LIII: P3-5 vs. P15-17	0.0116	(<i>Z</i>) 2.524	0.00 \pm 0.00 mV vs. 8.24 \pm 0.94 mV	3 vs. 9 cells
		LIII: P3-5 vs. P22-24	0.0026	(<i>Z</i>) 3.013	0.00 \pm 0.00 mV vs. 11.06 \pm 1.81 mV	3 vs. 5 cells
		LIII: P15-17 vs. P22-24	0.3537	(<i>Z</i>) 0.928	8.24 \pm 0.94 mV vs. 11.06 \pm 1.81 mV	9 vs. 5 cells
		LX: P3-5 vs. P15-17	0.0003	(<i>Z</i>) 3.596	0.00 \pm 0.00 mV vs. 6.55 \pm 1.02 mV	18 vs. 13 cells
		LX: P3-5 vs. P22-24	<0.0001	(<i>Z</i>) 4.690	0.00 \pm 0.00 mV vs. 9.36 \pm 1.28 mV	18 vs. 9 cells
		LX: P15-17 vs. P22-24	0.1623	(<i>Z</i>) 1.397	6.55 \pm 1.02 mV vs. 9.36 \pm 1.28 mV	13 vs. 9 cells
Figure 4 S1A1	Kruskal–Wallis test	3-5: LIII vs. LX	0.7708	(<i>Z</i>) 0.291	889.3 \pm 191.1 Ω vs. 729.6 \pm 75.7 Ω	3 vs. 18 cells
		P15-17: LIII vs LX	0.0616	(<i>Z</i>) 1.869	66.76 \pm 6.7 Ω vs. 108.5 \pm 15.4 Ω	10 vs. 17 cells
		P22-24: LIII vs LX	0.4568	(<i>Z</i>) 0.744	77.41 \pm 7.0 Ω vs. 102.4 \pm 12.19 Ω	5 vs. 9 cells
		LIII: P3-5 vs. P15-17	0.0003	(<i>Z</i>) 3.635	889.3 \pm 191.1 Ω vs. 66.76 \pm 6.7 Ω	3 vs. 10 cells

		LIII: P3-5 vs. P22-24	0.0059	(Z) 2.753	889.3 ± 191.1 Ω vs. 77.41 ± 7.0 Ω	3 vs. 5 cells
		LIII: P15-17 vs. P22-24	0.4850	(Z) 0.698	66.76 ± 6.7 Ω vs. 77.41 ± 7.0 Ω	10 vs. 5 cells
		LX: P3-5 vs. P15-17	<0.0001	(Z) 4.335	729.6 ± 75.7 Ω vs. 108.5 ± 15.4 Ω	18 vs. 17 cells
		LX: P3-5 vs. P22-24	0.0005	(Z) 3.462	729.6 ± 75.7 Ω vs. 102.4 ± 12.19 Ω	18 vs. 9 cells
		LX: P15-17 vs. P22-24	0.8986	(Z) 0.127	108.5 ± 15.4 Ω vs. 102.4 ± 12.19 Ω	17 vs. 9 cells
Figure 4 S1A2	Kruskal– Wallis test	3-5: LIII vs. LX	0.7974	(Z) 0.257	874.7 ± 190.4 Ω vs. 716.3 ± 75.7 Ω	3 vs. 18 cells
		P15-17: LIII vs LX	0.0626	(Z) 1.862	52.33 ± 6.4 Ω vs. 92.74 ± 15.3 Ω	10 vs. 17 cells
		P22-24: LIII vs LX	0.4344	(Z) 0.782	63.50 ± 6.4 Ω vs. 89.32 ± 11.7 Ω	5 vs. 9 cells
		LIII: P3-5 vs. P15-17	0.0003	(Z) 3.632	874.7 ± 190.4 Ω vs. 52.33 ± 6.4 Ω	3 vs. 10 cells
		LIII: P3-5 vs. P22-24	0.0070	(Z) 2.697	874.7 ± 190.4 Ω vs. 63.50 ± 6.4 Ω	3 vs. 5 cells
		LIII: P15-17 vs. P22-24	0.4418	(Z) 0.769	52.33 ± 6.4 Ω vs. 63.50 ± 6.4 Ω	10 vs. 5 cells
		LX: P3-5 vs. P15-17	<0.0001	(Z) 5.656	716.3 ± 75.7 Ω vs. 92.74 ± 15.3 Ω	18 vs. 17 cells
		LX: P3-5 vs. P22-24	0.0008	(Z) 3.364	716.3 ± 75.7 Ω vs. 89.32 ± 11.7 Ω	18 vs. 9 cells
Figure 4 S1A3	One-way ANOVA	LX: P15-17 vs. P22-24	0.7799	(Z) 0.280	92.74 ± 15.3 Ω vs. 89.32 ± 11.7 Ω	17 vs. 9 cells
		3-5: LIII vs. LX	0.3858	(t) 0.874 (df) 56	14.62 ± 1.5 Ω vs. 13.25 ± 0.6 Ω	3 vs. 18 cells
		P15-17: LIII vs LX	0.2043	(t) 1.284 (df) 56	14.43 ± 0.8 Ω vs. 15.71 ± 0.5 Ω	10 vs. 17 cells
		P22-24: LIII vs LX	0.5386	(t) 0.619 (df) 56	13.91 ± 1.4 Ω vs. 13.04 ± 1.1 Ω	5 vs. 9 cells
		LIII: P3-5 vs. P15-17	0.9072	(t) 0.117 (df) 56	14.62 ± 1.5 Ω vs. 14.43 ± 0.8 Ω	3 vs. 10 cells
		LIII: P3-5 vs. P22-24	0.7008	(t) 0.386 (df) 56	14.62 ± 1.5 Ω vs. 13.91 ± 1.4 Ω	3 vs. 5 cells
		LIII: P15-17 vs. P22-24	0.7097	(t) 0.374 (df) 56	14.43 ± 0.8 Ω vs. 13.91 ± 1.4 Ω	10 vs. 5 cells
		LX: P3-5 vs. P15-17	0.0054	(t) 2.897 (df) 56	13.25 ± 0.6 Ω vs. 15.71 ± 0.5 Ω	18 vs. 17 cells
Figure 4 S1B	One-way ANOVA	LX: P3-5 vs. P22-24	0.8414	(t) 0.201 (df) 56	13.25 ± 0.6 Ω vs. 13.04 ± 1.1 Ω	18 vs. 9 cells
		LX: P15-17 vs. P22-24	0.0127	(t) 2.576 (df) 56	15.71 ± 0.5 Ω vs. 13.04 ± 1.1 Ω	17 vs. 9 cells
		3-5: LIII vs. LX	0.3212	(t) 1.002 (df) 51	12.06 ± 8.1 Vm vs. 18.07 ± 1.8 Vm	3 vs. 18 cells
		P15-17: LIII vs LX	0.9179	(t) 0.104 (df) 51	36.79 ± 3.6 Vm vs. 37.22 ± 2.7 Vm	9 vs. 13 cells
		P22-24: LIII vs LX	0.0180	(t) 2.444 (df) 51	36.16 ± 4.6 Vm vs. 49.26 ± 3.4 Vm	5 vs. 9 cells
		LIII: P3-5 vs. P15-17	0.0003	(t) 3.858 (df) 51	12.06 ± 8.1 Vm vs. 36.79 ± 3.6 Vm	3 vs. 9 cells
		LIII: P3-5 vs. P22-24	0.0012	(t) 3.431 (df) 51	12.06 ± 8.1 Vm vs. 36.16 ± 4.6 Vm	3 vs. 5 cells
		LIII: P15-17 vs. P22-24	0.9062	(t) 0.118 (df) 51	36.79 ± 3.6 Vm vs. 36.16 ± 4.6 Vm	9 vs. 5 cells
Figure 4 S1C	Brown- Forsythe and Welch ANOVA test	LX: P3-5 vs. P15-17	<0.0001	(t) 5.473 (df) 51	18.07 ± 1.8 Vm vs. 37.22 ± 2.7 Vm	18 vs. 13 cells
		LX: P3-5 vs. P22-24	<0.0001	(t) 7.947 (df) 51	18.07 ± 1.8 Vm vs. 49.26 ± 3.4 Vm	18 vs. 9 cells
		LX: P15-17 vs. P22-24	0.0057	(t) 2.888 (df) 51	37.22 ± 2.7 Vm vs. 49.26 ± 3.4 Vm	13 vs. 9 cells
		3-5: LIII vs. LX	>0.9999	(t) 0.248 (df) 3	32.00 ± 6.7 pA vs. 30.17 ± 3.2 pA	3 vs. 18 cells
		P15-17: LIII vs LX	0.9287	(t) 1.332 (df) 17	83.67 ± 16.2 pA vs. 56.08 ± 12.9 pA	9 vs. 13 cells
		P22-24: LIII vs LX	0.9882	(t) 1.020 (df) 12	60.80 ± 21.0 pA vs. 93.89 ± 24.7 pA	5 vs. 9 cells
		LIII: P3-5 vs. P15-17	0.1519	(t) 2.955 (df) 10	32.00 ± 6.7 pA vs. 83.67 ± 16.2 pA	3 vs. 9 cells
		LIII: P3-5 vs. P22-24	0.9049	(t) 1.306 (df) 5	32.00 ± 6.7 pA vs. 60.80 ± 21.0 pA	3 vs. 5 cells
Figure 4 S1D	Kruskal– Wallis test	LIII: P15-17 vs. P22-24	0.9964	(t) 0.862 (df) 9	83.67 ± 16.2 pA vs. 60.80 ± 21.0 pA	9 vs. 5 cells
		LX: P3-5 vs. P15-17	0.1071	(t) 1.943 (df) 14	30.17 ± 3.2 pA vs. 56.08 ± 12.9 pA	18 vs. 13 cells
		LX: P3-5 vs. P22-24	0.2931	(t) 2.559 (df) 8	30.17 ± 3.2 pA vs. 93.89 ± 24.7 pA	18 vs. 9 cells
		LX: P15-17 vs. P22-24	0.9124	(t) 1.356 (df) 12	56.08 ± 12.9 pA vs. 93.89 ± 24.7 pA	13 vs. 9 cells
		3-5: LIII vs. LX	-	-	-	3 vs. 18 cells
		P15-17: LIII vs LX	0.2252	(Z) 1.213	0.09 ± 0.01 msec vs. 0.14 ± 0.03 msec	9 vs. 13 cells
		P22-24: LIII vs LX	0.0196	(Z) 2.333	0.12 ± 0.02 msec vs. 0.29 ± 0.07 msec	5 vs. 9 cells
		LIII: P15-17 vs. P22-24	0.3718	(Z) 0.893	0.09 ± 0.01 msec vs. 0.12 ± 0.02 msec	9 vs. 5 cells
Figure 4 S1D		LX: P15-17 vs. P22-24	0.0046	(Z) 2.834	0.14 ± 0.03 msec vs. 0.29 ± 0.07 msec	13 vs. 9 cells

Table S5. Statistical data for in vitro whole cell patch electrophysiology in the juvenile mouse (P15-17), for negative and positive current step analysis. Descriptive values are represented as \pm SEM. Abbreviations: LIII = Lobule III, LX = Lobule X, df = degrees of freedom, Hz = hertz, mV = millivolt.

Related Figure	Test Applied	Group	<i>p</i> -Value	Population-Value	Descriptive Values	Population Size
Figure 5A1	Mixed-effects analysis	-0 pA: LIII vs. LX			0.00 \pm 0.0 mV vs. 0.00 \pm 0.0 mV	9 vs. 14 cells
		-40 pA: LIII vs. LX	0.0515	(<i>t</i>) 1.956 (<i>df</i>) 258	-7.51 \pm 2.3 mV vs. -2.59 \pm 0.9 mV	9 vs. 14 cells
		-80 pA: LIII vs. LX	0.5948	(<i>t</i>) 0.533 (<i>df</i>) 258	-13.63 \pm 1.2 mV vs. -12.29 \pm 1.8 mV	9 vs. 14 cells
		-120 pA: LIII vs. LX	0.4763	(<i>t</i>) 0.713 (<i>df</i>) 258	-15.76 \pm 1.3 mV vs. -17.55 \pm 1.6 mV	9 vs. 14 cells
		-160 pA: LIII vs. LX	0.4571	(<i>t</i>) 0.745 (<i>df</i>) 258	-17.76 \pm 1.3 mV vs. -19.44 \pm 1.6 mV	9 vs. 14 cells
		-200 pA: LIII vs. LX	0.1532	(<i>t</i>) 1.432 (<i>df</i>) 258	-19.44 \pm 1.4 mV vs. -23.04 \pm 1.7 mV	9 vs. 14 cells
		-240 pA: LIII vs. LX	0.0743	(<i>t</i>) 1.792 (<i>df</i>) 258	-20.95 \pm 1.5 mV vs. -25.45 \pm 1.6 mV	9 vs. 14 cells
		-280 pA: LIII vs. LX	0.0574	(<i>t</i>) 1.909 (<i>df</i>) 258	-22.79 \pm 1.6 mV vs. -27.59 \pm 1.5 mV	9 vs. 14 cells
		-320 pA: LIII vs. LX	0.0291	(<i>t</i>) 2.195 (<i>df</i>) 258	-24.38 \pm 1.6 mV vs. -29.89 \pm 1.6 mV	9 vs. 14 cells
		-360 pA: LIII vs. LX	0.0211	(<i>t</i>) 2.321 (<i>df</i>) 258	-26.03 \pm 1.7 mV vs. -31.86 \pm 1.6 mV	9 vs. 14 cells
		-400 pA: LIII vs. LX	0.0083	(<i>t</i>) 2.661 (<i>df</i>) 258	-27.60 \pm 1.9 mV vs. -34.29 \pm 1.7 mV	9 vs. 14 cells
		-440 pA: LIII vs. LX	0.0067	(<i>t</i>) 2.731 (<i>df</i>) 258	-27.12 \pm 5.4 mV vs. -41.42 \pm 5.0 mV	2 vs. 3 cells
		-480 pA: LIII vs. LX	0.0013	(<i>t</i>) 3.245 (<i>df</i>) 258	-28.59 \pm 6.0 mV vs. -45.05 \pm 5.4 mV	2 vs. 3 cells
		-520 pA: LIII vs. LX	0.0002	(<i>t</i>) 3.751 (<i>df</i>) 258	-30.03 \pm 6.7 mV vs. -48.62 \pm 5.8 mV	2 vs. 3 cells
		-560 pA: LIII vs. LX	<0.0001	(<i>t</i>) 4.303 (<i>df</i>) 258	-31.63 \pm 7.3 mV vs. -52.55 \pm 6.4 mV	2 vs. 3 cells
		-600 pA: LIII vs. LX	<0.0001	(<i>t</i>) 4.945 (<i>df</i>) 258	-32.60 \pm 7.0 mV vs. -56.22 \pm 6.7 mV	2 vs. 3 cells
		-640 pA: LIII vs. LX	<0.0001	(<i>t</i>) 5.282 (<i>df</i>) 258	-35.08 \pm 8.4 mV vs. -60.12 \pm 7.2 mV	2 vs. 3 cells
Figure 5A2	Mixed-effects analysis	-680 pA: LIII vs. LX	<0.0001	(<i>t</i>) 5.654 (<i>df</i>) 258	-37.07 \pm 9.2 mV vs. -63.68 \pm 7.8 mV	2 vs. 3 cells
		-720 pA: LIII vs. LX	<0.0001	(<i>t</i>) 5.785 (<i>df</i>) 258	-38.90 \pm 9.7 mV vs. -66.06 \pm 7.4 mV	2 vs. 3 cells
		-760 pA: LIII vs. LX	<0.0001	(<i>t</i>) 5.933 (<i>df</i>) 258	-40.67 \pm 10.3 mV vs. -68.45 \pm 7.4 mV	2 vs. 3 cells
		-0 pA: LIII vs. LX	0.7509	(<i>t</i>) 0.318 (<i>df</i>) 420	48.11 \pm 10.0 Hz vs. 46.79 \pm 7.3 Hz	9 vs. 14 cells
		-40 pA: LIII vs. LX	0.0019	(<i>t</i>) 3.129 (<i>df</i>) 420	16.44 \pm 8.3 Hz vs. 29.50 \pm 6.5 Hz	9 vs. 14 cells
		-80 pA: LIII vs. LX	0.0255	(<i>t</i>) 2.242 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 9.36 \pm 5.5 Hz	9 vs. 14 cells
		-120 pA: LIII vs. LX	0.3131	(<i>t</i>) 1.010 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 4.21 \pm 4.2 Hz	9 vs. 14 cells
		-160 pA: LIII vs. LX	0.4517	(<i>t</i>) 0.753 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 3.14 \pm 3.1 Hz	9 vs. 14 cells
		-200 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	9 vs. 14 cells
		-240 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	9 vs. 14 cells
		-280 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	9 vs. 14 cells
		-320 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	9 vs. 14 cells
		-360 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	9 vs. 14 cells
		-400 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	9 vs. 14 cells
		-440 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	2 vs. 3 cells
		-480 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	2 vs. 3 cells
		-520 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	2 vs. 3 cells
Figure 5B1	Mixed-effects analysis	-560 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	2 vs. 3 cells
		-600 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	2 vs. 3 cells
		-640 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	2 vs. 3 cells
		-680 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	2 vs. 3 cells
		-720 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	2 vs. 3 cells
		-760 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 420	0.00 \pm 0.0 Hz vs. 0.00 \pm 0.0 Hz	2 vs. 3 cells
		0 pA: LIII vs. LX			0.00 \pm 0.0 mV vs. 0.00 \pm 0.0 mV	8 vs. 12 cells
		40 pA: LIII vs. LX	0.9486	(<i>t</i>) 0.065 (<i>df</i>) 360	3.83 \pm 1.8 mV vs. 3.68 \pm 0.8 mV	8 vs. 12 cells
		80 pA: LIII vs. LX	0.1793	(<i>t</i>) 1.345 (<i>df</i>) 360	6.28 \pm 1.9 mV vs. 9.37 \pm 1.2 mV	8 vs. 12 cells
		120 pA: LIII vs. LX	0.0522	(<i>t</i>) 1.948 (<i>df</i>) 360	9.41 \pm 1.7 mV vs. 13.89 \pm 1.4 mV	8 vs. 12 cells
		160 pA: LIII vs. LX	0.3968	(<i>t</i>) 0.8484 (<i>df</i>) 360	13.16 \pm 1.5 mV vs. 15.11 \pm 1.3 mV	8 vs. 12 cells
		200 pA: LIII vs. LX	0.5652	(<i>t</i>) 0.5757 (<i>df</i>) 360	15.03 \pm 1.4 mV vs. 16.36 \pm 1.3 mV	8 vs. 12 cells
		240 pA: LIII vs. LX	0.5147	(<i>t</i>) 0.6522 (<i>df</i>) 360	16.07 \pm 1.5 mV vs. 17.57 \pm 1.3 mV	8 vs. 12 cells
		280 pA: LIII vs. LX	0.4095	(<i>t</i>) 0.8257 (<i>df</i>) 360	16.81 \pm 1.5 mV vs. 18.71 \pm 1.1 mV	8 vs. 12 cells
		320 pA: LIII vs. LX	0.4746	(<i>t</i>) 0.7158 (<i>df</i>) 360	17.74 \pm 1.5 mV vs. 19.39 \pm 1.1 mV	8 vs. 12 cells
		360 pA: LIII vs. LX	0.7415	(<i>t</i>) 0.3302 (<i>df</i>) 360	18.70 \pm 1.5 mV vs. 19.46 \pm 1.4 mV	8 vs. 12 cells
		400 pA: LIII vs. LX	0.9070	(<i>t</i>) 0.1170 (<i>df</i>) 360	19.80 \pm 1.4 mV vs. 20.07 \pm 1.4 mV	8 vs. 12 cells
		440 pA: LIII vs. LX	0.5091	(<i>t</i>) 0.6609 (<i>df</i>) 360	22.33 \pm 2.5 mV vs. 20.82 \pm 1.3 mV	8 vs. 12 cells
		480 pA: LIII vs. LX	0.5194	(<i>t</i>) 0.6449 (<i>df</i>) 360	22.93 \pm 2.6 mV vs. 21.45 \pm 1.2 mV	8 vs. 12 cells
		520 pA: LIII vs. LX	0.5967	(<i>t</i>) 0.5296 (<i>df</i>) 360	23.85 \pm 2.7 mV vs. 22.63 \pm 1.3 mV	8 vs. 12 cells
		560 pA: LIII vs. LX	0.8822	(<i>t</i>) 0.1483 (<i>df</i>) 360	24.91 \pm 2.8 mV vs. 24.56 \pm 1.9 mV	8 vs. 12 cells
		600 pA: LIII vs. LX	0.6381	(<i>t</i>) 0.4707 (<i>df</i>) 360	26.00 \pm 2.8 mV vs. 24.92 \pm 1.1 mV	8 vs. 12 cells
		640 pA: LIII vs. LX	0.6201	(<i>t</i>) 0.4961 (<i>df</i>) 360	26.74 \pm 2.7 mV vs. 25.60 \pm 1.1 mV	8 vs. 12 cells
		680 pA: LIII vs. LX	0.6735	(<i>t</i>) 0.4217 (<i>df</i>) 360	27.55 \pm 2.8 mV vs. 26.58 \pm 1.1 mV	8 vs. 12 cells

		720 pA: LIII vs. LX	0.6445	(<i>t</i>) 0.4618 (<i>df</i>) 360	28.47 ± 2.8 mV vs. 27.41 ± 1.2 mV	8 vs. 12 cells
		760 pA: LIII vs. LX	0.5222	(<i>t</i>) 0.6404 (<i>df</i>) 360	29.22 ± 2.9 mV vs. 27.74 ± 1.1 mV	8 vs. 12 cells
Figure 5B2	Two-way ANOVA	0 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 360	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 12 cells
		40 pA: LIII vs. LX	0.7705	(<i>t</i>) 0.292 (<i>df</i>) 360	6.88 ± 6.9 Hz vs. 1.00 ± 1.0 Hz	8 vs. 12 cells
		80 pA: LIII vs. LX	0.8898	(<i>t</i>) 0.139 (<i>df</i>) 360	18.38 ± 11.8 Hz vs. 15.58 ± 5.6 Hz	8 vs. 12 cells
		120 pA: LIII vs. LX	0.7626	(<i>t</i>) 0.302 (<i>df</i>) 360	29.00 ± 14.1 Hz vs. 35.08 ± 6.9 Hz	8 vs. 12 cells
		160 pA: LIII vs. LX	0.8979	(<i>t</i>) 0.128 (<i>df</i>) 360	41.50 ± 15.1 Hz vs. 44.08 ± 7.6 Hz	8 vs. 12 cells
		200 pA: LIII vs. LX	0.8930	(<i>t</i>) 0.135 (<i>df</i>) 360	54.13 ± 15.8 Hz vs. 51.42 ± 8.0 Hz	8 vs. 12 cells
		240 pA: LIII vs. LX	0.7563	(<i>t</i>) 0.311 (<i>df</i>) 360	64.00 ± 16.7 Hz vs. 57.75 ± 8.4 Hz	8 vs. 12 cells
		280 pA: LIII vs. LX	0.6731	(<i>t</i>) 0.422 (<i>df</i>) 360	73.50 ± 18.2 Hz vs. 65.00 ± 8.8 Hz	8 vs. 12 cells
		320 pA: LIII vs. LX	0.6343	(<i>t</i>) 0.476 (<i>df</i>) 360	82.00 ± 19.1 Hz vs. 72.42 ± 8.4 Hz	8 vs. 12 cells
		360 pA: LIII vs. LX	0.5542	(<i>t</i>) 0.592 (<i>df</i>) 360	90.75 ± 19.8 Hz vs. 78.83 ± 8.7 Hz	8 vs. 12 cells
		400 pA: LIII vs. LX	0.4188	(<i>t</i>) 0.809 (<i>df</i>) 360	99.88 ± 18.3 Hz vs. 83.58 ± 9.0 Hz	8 vs. 12 cells
		440 pA: LIII vs. LX	0.5350	(<i>t</i>) 0.621 (<i>df</i>) 360	100.75 ± 16.1 Hz vs. 88.25 ± 9.3 Hz	8 vs. 12 cells
		480 pA: LIII vs. LX	0.8458	(<i>t</i>) 0.195 (<i>df</i>) 360	97.50 ± 16.6 Hz vs. 93.58 ± 9.7 Hz	8 vs. 12 cells
		520 pA: LIII vs. LX	0.7438	(<i>t</i>) 0.327 (<i>df</i>) 360	91.50 ± 24.3 Hz vs. 98.08 ± 10.1 Hz	8 vs. 12 cells
		560 pA: LIII vs. LX	0.9571	(<i>t</i>) 0.054 (<i>df</i>) 360	97.25 ± 25.6 Hz vs. 98.33 ± 10.9 Hz	8 vs. 12 cells
		600 pA: LIII vs. LX	0.8963	(<i>t</i>) 0.130 (<i>df</i>) 360	102.88 ± 27.1 Hz vs. 105.50 ± 10.5 Hz	8 vs. 12 cells
		640 pA: LIII vs. LX	0.9291	(<i>t</i>) 0.089 (<i>df</i>) 360	108.38 ± 28.6 Hz vs. 110.17 ± 10.7 Hz	8 vs. 12 cells
		680 pA: LIII vs. LX	0.9357	(<i>t</i>) 0.081 (<i>df</i>) 360	112.38 ± 30.1 Hz vs. 114.00 ± 10.8 Hz	8 vs. 12 cells
		720 pA: LIII vs. LX	0.9127	(<i>t</i>) 0.110 (<i>df</i>) 360	115.13 ± 31.4 Hz vs. 117.33 ± 11.0 Hz	8 vs. 12 cells
		760 pA: LIII vs. LX	0.9160	(<i>t</i>) 0.106 (<i>df</i>) 360	117.88 ± 32.1 Hz vs. 120.00 ± 11.0 Hz	8 vs. 12 cells
Figure 5S1A	Mixed-effects analysis	-0 pA: LIII vs. LX			0.00 ± 0.0 mV vs. 0.00 ± 0.0 mV	9 vs. 14 cells
		-40 pA: LIII vs. LX	0.1468	(<i>t</i>) 1.541 (<i>df</i>) 13	2.71 ± 1.0 mV vs. 0.98 ± 0.6 mV	9 vs. 14 cells
		-80 pA: LIII vs. LX	0.4077	(<i>t</i>) 0.845 (<i>df</i>) 21	4.36 ± 0.5 mV vs. 3.60 ± 0.7 mV	9 vs. 14 cells
		-120 pA: LIII vs. LX	0.9351	(<i>t</i>) 0.082 (<i>df</i>) 20	6.07 ± 0.8 mV vs. 5.98 ± 0.8 mV	9 vs. 14 cells
		-160 pA: LIII vs. LX	0.8841	(<i>t</i>) 0.148 (<i>df</i>) 14	7.25 ± 0.8 mV vs. 7.07 ± 0.9 mV	9 vs. 14 cells
		-200 pA: LIII vs. LX	0.6238	(<i>t</i>) 0.501 (<i>df</i>) 20	8.17 ± 0.9 mV vs. 8.70 ± 0.6 mV	9 vs. 14 cells
		-240 pA: LIII vs. LX	0.4813	(<i>t</i>) 0.717 (<i>df</i>) 20	9.14 ± 0.8 mV vs. 10.00 ± 0.9 mV	9 vs. 14 cells
		-280 pA: LIII vs. LX	0.3542	(<i>t</i>) 0.949 (<i>df</i>) 19	10.01 ± 0.9 mV vs. 11.26 ± 0.9 mV	9 vs. 14 cells
		-320 pA: LIII vs. LX	0.1522	(<i>t</i>) 1.490 (<i>df</i>) 18	10.27 ± 1.0 mV vs. 12.24 ± 0.9 mV	9 vs. 14 cells
		-360 pA: LIII vs. LX	0.3530	(<i>t</i>) 0.954 (<i>df</i>) 17	11.74 ± 1.1 mV vs. 13.09 ± 0.9 mV	9 vs. 14 cells
		-400 pA: LIII vs. LX	0.296	(<i>t</i>) 1.079 (<i>df</i>) 3	12.31 ± 1.2 mV vs. 13.89 ± 0.9 mV	9 vs. 14 cells
		-440 pA: LIII vs. LX	0.2426	(<i>t</i>) 1.472 (<i>df</i>) 3	13.79 ± 1.6 mV vs. 17.20 ± 1.7 mV	2 vs. 3 cells
		-480 pA: LIII vs. LX	0.2694	(<i>t</i>) 1.362 (<i>df</i>) 3	14.41 ± 1.3 mV vs. 17.60 ± 1.5 mV	2 vs. 3 cells
		-520 pA: LIII vs. LX	0.4793	(<i>t</i>) 0.823 (<i>df</i>) 3	14.94 ± 1.6 mV vs. 16.79 ± 1.6 mV	2 vs. 3 cells
		-560 pA: LIII vs. LX	0.4976	(<i>t</i>) 0.783 (<i>df</i>) 2	15.28 ± 1.4 mV vs. 16.87 ± 1.4 mV	2 vs. 3 cells
		-600 pA: LIII vs. LX	0.9716	(<i>t</i>) 0.040 (<i>df</i>) 3	16.42 ± 2.0 mV vs. 16.32 ± 1.4 mV	2 vs. 3 cells
		-640 pA: LIII vs. LX	0.9944	(<i>t</i>) 0.008 (<i>df</i>) 2	16.25 ± 0.9 mV vs. 16.24 ± 1.5 mV	2 vs. 3 cells
		-680 pA: LIII vs. LX	0.5381	(<i>t</i>) 0.719 (<i>df</i>) 2	16.80 ± 0.6 mV vs. 15.19 ± 2.1 mV	2 vs. 3 cells
		-720 pA: LIII vs. LX	0.8118	(<i>t</i>) 0.301 (<i>df</i>) 1	16.88 ± 0.1 mV vs. 17.11 ± 0.8 mV	2 vs. 3 cells
		-760 pA: LIII vs. LX	0.4779	(<i>t</i>) 1.070 (<i>df</i>) 1	17.80 ± 0.1 mV vs. 16.60 ± 1.1 mV	2 vs. 3 cells
Figure 5S1B	Two-way ANOVA	0 pA: LIII vs. LX	>0.9999	(<i>t</i>) 0.000 (<i>df</i>) 380	0.00 ± 0.0 mV vs. 0.00 ± 0.0 mV	8 vs. 12 cells
		40 pA: LIII vs. LX	0.6175	(<i>t</i>) 0.500 (<i>df</i>) 380	1.18 ± 1.2 mV vs. 0.55 ± 0.6 mV	8 vs. 12 cells
		80 pA: LIII vs. LX	0.7990	(<i>t</i>) 0.255 (<i>df</i>) 380	2.67 ± 1.2 mV vs. 2.99 ± 0.8 mV	8 vs. 12 cells
		120 pA: LIII vs. LX	0.6746	(<i>t</i>) 0.420 (<i>df</i>) 380	3.71 ± 1.5 mV vs. 4.24 ± 0.7 mV	8 vs. 12 cells
		160 pA: LIII vs. LX	0.6921	(<i>t</i>) 0.396 (<i>df</i>) 380	5.66 ± 1.4 mV vs. 5.16 ± 0.8 mV	8 vs. 12 cells
		200 pA: LIII vs. LX	0.2857	(<i>t</i>) 1.069 (<i>df</i>) 380	6.73 ± 1.2 mV vs. 5.39 ± 0.7 mV	8 vs. 12 cells
		240 pA: LIII vs. LX	0.2216	(<i>t</i>) 1.224 (<i>df</i>) 380	6.98 ± 1.2 mV vs. 5.44 ± 0.8 mV	8 vs. 12 cells
		280 pA: LIII vs. LX	0.2847	(<i>t</i>) 1.071 (<i>df</i>) 380	7.17 ± 1.3 mV vs. 5.82 ± 0.6 mV	8 vs. 12 cells
		320 pA: LIII vs. LX	0.3375	(<i>t</i>) 0.960 (<i>df</i>) 380	7.47 ± 1.3 mV vs. 6.26 ± 0.7 mV	8 vs. 12 cells
		360 pA: LIII vs. LX	0.0348	(<i>t</i>) 2.118 (<i>df</i>) 380	8.86 ± 0.7 mV vs. 6.20 ± 0.6 mV	8 vs. 12 cells
		400 pA: LIII vs. LX	0.0405	(<i>t</i>) 2.055 (<i>df</i>) 380	9.08 ± 0.7 mV vs. 6.49 ± 0.7 mV	8 vs. 12 cells
		440 pA: LIII vs. LX	0.0504	(<i>t</i>) 1.963 (<i>df</i>) 380	9.30 ± 0.8 mV vs. 6.83 ± 0.7 mV	8 vs. 12 cells
		480 pA: LIII vs. LX	0.0641	(<i>t</i>) 1.857 (<i>df</i>) 380	9.23 ± 0.8 mV vs. 6.90 ± 0.8 mV	8 vs. 12 cells
		520 pA: LIII vs. LX	0.0371	(<i>t</i>) 2.092 (<i>df</i>) 380	9.42 ± 0.8 mV vs. 6.79 ± 0.8 mV	8 vs. 12 cells
		560 pA: LIII vs. LX	0.0455	(<i>t</i>) 2.007 (<i>df</i>) 380	9.60 ± 0.9 mV vs. 7.08 ± 0.8 mV	8 vs. 12 cells
		600 pA: LIII vs. LX	0.0641	(<i>t</i>) 1.857 (<i>df</i>) 380	9.67 ± 1.1 mV vs. 7.34 ± 0.8 mV	8 vs. 12 cells
		640 pA: LIII vs. LX	0.1420	(<i>t</i>) 1.472 (<i>df</i>) 380	9.51 ± 1.2 mV vs. 7.66 ± 0.8 mV	8 vs. 12 cells
		680 pA: LIII vs. LX	0.1660	(<i>t</i>) 1.388 (<i>df</i>) 380	9.47 ± 1.3 mV vs. 7.72 ± 0.8 mV	8 vs. 12 cells
		720 pA: LIII vs. LX	0.1552	(<i>t</i>) 1.424 (<i>df</i>) 380	9.62 ± 1.3 mV vs. 7.83 ± 0.8 mV	8 vs. 12 cells
		760 pA: LIII vs. LX	0.1468	(<i>t</i>) 1.454 (<i>df</i>) 380	9.65 ± 1.3 mV vs. 7.82 ± 0.7 mV	8 vs. 12 cells

Table S6. Statistical data for in vitro whole cell patch electrophysiology in the juvenile mouse (P15-17), for negative and positive current ramp analysis. Descriptive values are represented as \pm SEM. Abbreviations: LIII = Lobule III, LIII \downarrow = Lobule III downphase at the current ramp, LIII \uparrow = Lobule III upphase at the current ramp, LX = Lobule X, LX \downarrow = Lobule X downphase at the current ramp, LX \uparrow = Lobule X upphase at the current ramp, *df* = degrees of freedom, Hz = hertz, mV = millivolt.

Related Figure	Test Applied	Group	<i>p</i> -Value	Population-Value	Descriptive Values	Population Size
Figure 6A1	Two-way ANOVA	-0 pA: LIII vs. LX			0.00 \pm 0.0 mV vs. 0.00 \pm 0.0 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.6918	(<i>t</i>) 0.048 (<i>df</i>) 748	0.01 \pm 0.1 mV vs. -0.07 \pm 0.0 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.9354	(<i>t</i>) 0.081 (<i>df</i>) 748	0.11 \pm 0.1 mV vs. -0.02 \pm 0.0 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.9920	(<i>t</i>) 0.010 (<i>df</i>) 748	0.02 \pm 0.1 mV vs. 0.00 \pm 0.0 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.9503	(<i>t</i>) 0.062 (<i>df</i>) 748	0.11 \pm 0.1 mV vs. 0.01 \pm 0.0 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.8939	(<i>t</i>) 0.133 (<i>df</i>) 748	0.18 \pm 0.2 mV vs. -0.04 \pm 0.0 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.9374	(<i>t</i>) 0.079 (<i>df</i>) 748	0.13 \pm 0.2 mV vs. -0.01 \pm 0.1 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.9191	(<i>t</i>) 0.102 (<i>df</i>) 748	0.14 \pm 0.2 mV vs. -0.03 \pm 0.0 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.9394	(<i>t</i>) 0.076 (<i>df</i>) 748	0.09 \pm 0.2 mV vs. -0.04 \pm 0.1 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.8930	(<i>t</i>) 0.135 (<i>df</i>) 748	0.16 \pm 0.2 mV vs. -0.07 \pm 0.1 mV	9 vs. 15 cells
		-40 pA: LIII vs. LX	0.9745	(<i>t</i>) 0.032 (<i>df</i>) 748	-0.50 \pm 0.2 mV vs. -0.55 \pm 0.1 mV	9 vs. 15 cells
		-80 pA: LIII vs. LX	0.0292	(<i>t</i>) 2.185 (<i>df</i>) 748	-7.40 \pm 2.1 mV vs. -3.73 \pm 1.3 mV	9 vs. 15 cells
		-120 pA: LIII vs. LX	0.0013	(<i>t</i>) 3.226 (<i>df</i>) 748	-15.26 \pm 2.5 mV vs. -9.85 \pm 2.1 mV	9 vs. 15 cells
		-160 pA: LIII vs. LX	0.6269	(<i>t</i>) 0.486 (<i>df</i>) 748	-18.03 \pm 1.5 mV vs. -17.21 \pm 1.7 mV	9 vs. 15 cells
		-200 pA: LIII vs. LX	0.1484	(<i>t</i>) 1.447 (<i>df</i>) 748	-19.62 \pm 1.4 mV vs. -22.05 \pm 1.8 mV	9 vs. 15 cells
		-240 pA: LIII vs. LX	0.1093	(<i>t</i>) 1.603 (<i>df</i>) 748	-21.44 \pm 1.5 mV vs. -24.13 \pm 1.8 mV	9 vs. 15 cells
		-280 pA: LIII vs. LX	0.0106	(<i>t</i>) 2.563 (<i>df</i>) 748	-23.24 \pm 1.6 mV vs. -27.55 \pm 1.4 mV	9 vs. 15 cells
		-320 pA: LIII vs. LX	0.0012	(<i>t</i>) 3.248 (<i>df</i>) 748	-24.58 \pm 1.7 mV vs. -30.03 \pm 1.7 mV	9 vs. 15 cells
		-280 pA: LIII vs. LX	0.0091	(<i>t</i>) 2.617 (<i>df</i>) 748	-21.83 \pm 1.6 mV vs. -26.22 \pm 1.6 mV	9 vs. 15 cells
		-240 pA: LIII vs. LX	0.0327	(<i>t</i>) 2.140 (<i>df</i>) 748	-20.11 \pm 1.4 mV vs. -23.70 \pm 1.4 mV	9 vs. 15 cells
		-200 pA: LIII vs. LX	0.0795	(<i>t</i>) 1.756 (<i>df</i>) 748	-18.07 \pm 1.3 mV vs. -21.02 \pm 1.4 mV	9 vs. 15 cells
		-160 pA: LIII vs. LX	0.1504	(<i>t</i>) 1.440 (<i>df</i>) 748	-15.9 \pm 1.3 mV vs. -18.35 \pm 1.4 mV	9 vs. 15 cells
		-120 pA: LIII vs. LX	0.2127	(<i>t</i>) 1.247 (<i>df</i>) 748	-13.56 \pm 1.2 mV vs. -15.66 \pm 1.5 mV	9 vs. 15 cells
		-80 pA: LIII vs. LX	0.4610	(<i>t</i>) 0.738 (<i>df</i>) 748	-11.17 \pm 1.1 mV vs. -12.41 \pm 1.6 mV	9 vs. 15 cells
		-40 pA: LIII vs. LX	0.2649	(<i>t</i>) 1.116 (<i>df</i>) 748	-7.05 \pm 1.6 mV vs. -8.92 \pm 1.7 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.2222	(<i>t</i>) 1.222 (<i>df</i>) 748	-2.79 \pm 0.9 mV vs. -4.84 \pm 1.3 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.3454	(<i>t</i>) 0.944 (<i>df</i>) 748	-1.84 \pm 0.6 mV vs. -3.43 \pm 1.3 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.5009	(<i>t</i>) 0.673 (<i>df</i>) 748	-1.51 \pm 0.6 mV vs. -2.64 \pm 1.1 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.6346	(<i>t</i>) 0.476 (<i>df</i>) 748	-0.98 \pm 0.5 mV vs. -1.78 \pm 1.1 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.6565	(<i>t</i>) 0.445 (<i>df</i>) 748	-0.85 \pm 0.4 mV vs. -1.59 \pm 0.9 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.7153	(<i>t</i>) 0.365 (<i>df</i>) 748	-0.73 \pm 0.4 mV vs. -1.34 \pm 0.7 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.8853	(<i>t</i>) 0.144 (<i>df</i>) 748	-0.62 \pm 0.4 mV vs. -0.86 \pm 0.4 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.8547	(<i>t</i>) 0.183 (<i>df</i>) 748	-0.31 \pm 0.2 mV vs. -0.61 \pm 0.3 mV	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.9434	(<i>t</i>) 0.071 (<i>df</i>) 748	-0.34 \pm 0.2 mV vs. -0.22 \pm 0.1mV	9 vs. 15 cells
Figure 6A2	Two-way ANOVA	-0 pA: LIII \downarrow vs. LIII \uparrow	0.7208	(<i>t</i>) 0.358 (<i>df</i>) 128	0.01 \pm 0.1 mV vs. -0.34 \pm 0.2 mV	9 cells
		-0 pA: LIII \downarrow vs. LIII \uparrow	0.6707	(<i>t</i>) 0.426 (<i>df</i>) 128	0.11 \pm 0.1 mV vs. -0.31 \pm 0.2 mV	
		-0 pA: LIII \downarrow vs. LIII \uparrow	0.5143	(<i>t</i>) 0.654 (<i>df</i>) 128	0.02 \pm 0.1 mV vs. -0.62 \pm 0.4 mV	
		-0 pA: LIII \downarrow vs. LIII \uparrow	0.3925	(<i>t</i>) 0.858 (<i>df</i>) 128	0.11 \pm 0.1 mV vs. -0.73 \pm 0.4 mV	
		-0 pA: LIII \downarrow vs. LIII \uparrow	0.2969	(<i>t</i>) 1.047 (<i>df</i>) 128	0.18 \pm 0.2 mV vs. -0.85 \pm 0.4 mV	
		-0 pA: LIII \downarrow vs. LIII \uparrow	0.2610	(<i>t</i>) 1.129 (<i>df</i>) 128	0.13 \pm 0.2 mV vs. -0.98 \pm 0.5 mV	
		-0 pA: LIII \downarrow vs. LIII \uparrow	0.0963	(<i>t</i>) 1.675 (<i>df</i>) 128	0.14 \pm 0.2 mV vs. -1.51 \pm 0.6 mV	
		-0 pA: LIII \downarrow vs. LIII \uparrow	0.0510	(<i>t</i>) 1.970 (<i>df</i>) 128	0.09 \pm 0.2 mV vs. -1.84 \pm 0.6 mV	
		-0 pA: LIII \downarrow vs. LIII \uparrow	0.0032	(<i>t</i>) 3.003 (<i>df</i>) 128	0.16 \pm 0.2 mV vs. -2.79 \pm 0.9 mV	
		-40 pA: LIII \downarrow vs. LIII \uparrow	<0.0001	(<i>t</i>) 6.684 (<i>df</i>) 128	-0.50 \pm 0.2 mV vs. -7.05 \pm 1.6 mV	
		-80 pA: LIII \downarrow vs. LIII \uparrow	0.0002	(<i>t</i>) 3.852 (<i>df</i>) 128	-7.40 \pm 2.1 mV vs. -11.17 \pm 1.1 mV	
		-120 pA: LIII \downarrow vs. LIII \uparrow	0.0853	(<i>t</i>) 1.734 (<i>df</i>) 128	-15.26 \pm 2.5 mV vs. -13.56 \pm 1.2 mV	
		-160 pA: LIII \downarrow vs. LIII \uparrow	0.0342	(<i>t</i>) 2.141 (<i>df</i>) 128	-18.03 \pm 1.5 mV vs. -15.93 \pm 1.3 mV	
		-200 pA: LIII \downarrow vs. LIII \uparrow	0.1171	(<i>t</i>) 1.578 (<i>df</i>) 128	-19.62 \pm 1.4 mV vs. -18.07 \pm 1.3 mV	
		-240 pA: LIII \downarrow vs. LIII \uparrow	0.1772	(<i>t</i>) 1.357 (<i>df</i>) 128	-21.44 \pm 1.5 mV vs. -20.11 \pm 1.4 mV	
		-280 pA: LIII \downarrow vs. LIII \uparrow	0.1512	(<i>t</i>) 1.444 (<i>df</i>) 128	-23.24 \pm 1.6 mV vs. -21.83 \pm 1.6 mV	
		-320 pA			-24.58 \pm 1.7 mV	
Figure 6A3	Two-way ANOVA	-0 pA: LX \downarrow vs. LX \uparrow	0.8897	(<i>t</i>) 0.139 (<i>df</i>) 224	-0.07 \pm 0.0 mV vs. -0.22 \pm 0.1 mV	15 cells
		-0 pA: LX \downarrow vs. LX \uparrow	0.5891	(<i>t</i>) 0.541 (<i>df</i>) 224	-0.02 \pm 0.0 mV vs. -0.61 \pm 0.3 mV	
		-0 pA: LX \downarrow vs. LX \uparrow	0.4272	(<i>t</i>) 0.800 (<i>df</i>) 224	0.00 \pm 0.0 mV vs. -0.86 \pm 0.4 mV	
		-0 pA: LX \downarrow vs. LX \uparrow	0.2168	(<i>t</i>) 1.239 (<i>df</i>) 224	0.01 \pm 0.0 mV vs. -1.34 \pm 0.7 mV	
		-0 pA: LX \downarrow vs. LX \uparrow	0.1562	(<i>t</i>) 1.423 (<i>df</i>) 224	-0.04 \pm 0.0 mV vs. -1.59 \pm 0.9 mV	
		-0 pA: LX \downarrow vs. LX \uparrow	0.1050	(<i>t</i>) 1.628 (<i>df</i>) 224	-0.01 \pm 0.1 mV vs. -1.78 \pm 1.1 mV	

		-0 pA: LX↓ vs. LX↑	0.0177	(t) 2.389 (df) 224	-0.03 ± 0.0 mV vs. -2.64 ± 1.1 mV	
		-0 pA: LX↓ vs. LX↑	0.0021	(t) 3.111 (df) 224	-0.04 ± 0.1 mV vs. -3.43 ± 1.3 mV	
		-0 pA: LX↓ vs. LX↑	<0.0001	(t) 4.378 (df) 224	-0.07 ± 0.1 mV vs. -4.84 ± 1.3 mV	
		-40 pA: LX↓ vs. LX↑	<0.0001	(t) 7.685 (df) 224	-0.55 ± 0.1 mV vs. -8.92 ± 1.7 mV	
		-80 pA: LX↓ vs. LX↑	<0.0001	(t) 7.972 (df) 224	-3.73 ± 1.3 mV vs. -12.41 ± 1.6 mV	
		-120 pA: LX↓ vs. LX↑	<0.0001	(t) 5.336 (df) 224	-9.85 ± 2.1 mV vs. -15.66 ± 1.5 mV	
		-160 pA: LX↓ vs. LX↑	0.2982	(t) 1.043 (df) 224	-17.21 ± 1.7 mV vs. -18.35 ± 1.4 mV	
		-200 pA: LX↓ vs. LX↑	0.3470	(t) 0.942 (df) 224	-22.05 ± 1.8 mV vs. -21.02 ± 1.4 mV	
		-240 pA: LX↓ vs. LX↑	0.6944	(t) 0.394 (df) 224	-24.13 ± 1.8 mV vs. -23.70 ± 1.4 mV	
		-280 pA: LX↓ vs. LX↑	0.2251	(t) 1.216 (df) 224	-27.55 ± 1.4 mV vs. -26.22 ± 1.6 mV	
		-320 pA			-30.03 ± 1.7 mV	
Figure 6B1	Two-way ANOVA	-0 pA: LIII vs. LX	0.4425	(t) 0.773 (df) 68	42.06 ± 9.0 Hz vs. 42.94 ± 7.0 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.5014	(t) 0.676 (df) 68	42.49 ± 9.2 Hz vs. 43.12 ± 7.0 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.4813	(t) 0.708 (df) 68	43.73 ± 9.1 Hz vs. 43.71 ± 7.2 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.5014	(t) 0.676 (df) 68	44.43 ± 9.5 Hz vs. 43.95 ± 7.1 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.4425	(t) 0.773 (df) 68	45.45 ± 9.5 Hz vs. 44.39 ± 7.2 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.4813	(t) 0.708 (df) 68	45.62 ± 9.4 Hz vs. 44.16 ± 7.2 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.4425	(t) 0.773 (df) 68	45.85 ± 9.4 Hz vs. 44.37 ± 7.1 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.3377	(t) 0.708 (df) 68	46.17 ± 9.8 Hz vs. 44.48 ± 7.2 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.4813	(t) 0.773 (df) 68	46.80 ± 9.6 Hz vs. 44.39 ± 7.1 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.5014	(t) 0.966 (df) 68	47.29 ± 10.0 Hz vs. 44.49 ± 7.1 Hz	9 vs. 15 cells
		-40 pA: LIII vs. LX	0.5642	(t) 0.708 (df) 68	34.41 ± 8.6 Hz vs. 37.28 ± 7.0 Hz	9 vs. 15 cells
		-80 pA: LIII vs. LX	0.8474	(t) 0.676 (df) 68	10.51 ± 5.3 Hz vs. 24.99 ± 6.7 Hz	9 vs. 15 cells
		-120 pA: LIII vs. LX	0.6769	(t) 0.579 (df) 68	2.00 ± 1.7 Hz vs. 13.07 ± 5.7 Hz	9 vs. 15 cells
		-160 pA: LIII vs. LX	0.9744	(t) 0.193 (df) 68	0.00 ± 0.0 Hz vs. 6.59 ± 4.5 Hz	9 vs. 15 cells
		-200 pA: LIII vs. LX	>0.9999	(t) 0.418 (df) 68	0.00 ± 0.0 Hz vs. 3.43 ± 3.3 Hz	9 vs. 15 cells
		-240 pA: LIII vs. LX	>0.9999	(t) 0.032 (df) 68	0.00 ± 0.0 Hz vs. 2.07 ± 2.1 Hz	9 vs. 15 cells
		-280 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 68	0.00 ± 0.0 Hz vs. 0.15 ± 0.1 Hz	9 vs. 15 cells
		-320 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 68	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	9 vs. 15 cells
		-280 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 68	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	9 vs. 15 cells
		-240 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 68	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	9 vs. 15 cells
		-200 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 68	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	9 vs. 15 cells
		-160 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 68	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	9 vs. 15 cells
		-120 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 68	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	9 vs. 15 cells
		-80 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 68	0.90 ± 0.8 Hz vs. 1.03 ± 0.9 Hz	9 vs. 15 cells
		-40 pA: LIII vs. LX	0.9744	(t) 0.032 (df) 68	13.66 ± 8.1 Hz vs. 4.03 ± 2.2 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.9234	(t) 0.097 (df) 68	21.86 ± 9.8 Hz vs. 9.69 ± 2.8 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.8726	(t) 0.161 (df) 68	25.37 ± 9.1 Hz vs. 17.63 ± 4.6 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.7485	(t) 0.322 (df) 68	27.74 ± 8.9 Hz vs. 22.61 ± 4.8 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.7729	(t) 0.290 (df) 68	29.40 ± 8.2 Hz vs. 26.58 ± 5.1 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.5642	(t) 0.579 (df) 68	31.97 ± 8.1 Hz vs. 29.81 ± 5.1 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.5429	(t) 0.612 (df) 68	33.80 ± 8.3 Hz vs. 31.58 ± 5.2 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.5429	(t) 0.612 (df) 68	34.96 ± 8.4 Hz vs. 34.45 ± 5.5 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.5642	(t) 0.579 (df) 68	36.08 ± 8.0 Hz vs. 36.33 ± 5.7 Hz	9 vs. 15 cells
		-0 pA: LIII vs. LX	0.3706	(t) 0.901 (df) 68	38.46 ± 8.6 Hz vs. 38.73 ± 6.1 Hz	9 vs. 15 cells
Figure 6B2	Two-way ANOVA	-0 pA: LIII↓ vs. LIII↑	0.2434	(t) 1.172 (df) 128	42.49 ± 9.2 Hz vs. 38.46 ± 8.6 Hz	
		-0 pA: LIII↓ vs. LIII↑	0.0278	(t) 2.226 (df) 128	43.73 ± 9.1 Hz vs. 36.08 ± 8.0 Hz	
		-0 pA: LIII↓ vs. LIII↑	0.0067	(t) 2.754 (df) 128	44.43 ± 9.5 Hz vs. 34.96 ± 8.4 Hz	
		-0 pA: LIII↓ vs. LIII↑	0.0009	(t) 3.389 (df) 128	45.45 ± 9.5 Hz vs. 33.80 ± 8.3 Hz	
		-0 pA: LIII↓ vs. LIII↑	0.0001	(t) 3.970 (df) 128	45.62 ± 9.4 Hz vs. 31.97 ± 8.1 Hz	
		-0 pA: LIII↓ vs. LIII↑	<0.0001	(t) 4.781 (df) 128	45.85 ± 9.4 Hz vs. 29.40 ± 8.2 Hz	
		-0 pA: LIII↓ vs. LIII↑	<0.0001	(t) 5.360 (df) 128	46.17 ± 9.8 Hz vs. 27.74 ± 8.9 Hz	
		-0 pA: LIII↓ vs. LIII↑	<0.0001	(t) 6.231 (df) 128	46.80 ± 9.6 Hz vs. 25.37 ± 9.1 Hz	
		-0 pA: LIII↓ vs. LIII↑	<0.0001	(t) 7.393 (df) 128	47.29 ± 10.0 Hz vs. 21.86 ± 9.8 Hz	9 cells
		-40 pA: LIII↓ vs. LIII↑	<0.0001	(t) 6.033 (df) 128	34.41 ± 8.6 Hz vs. 13.66 ± 8.1 Hz	
		-80 pA: LIII↓ vs. LIII↑	0.0060	(t) 2.792 (df) 128	10.51 ± 5.3 Hz vs. 0.90 ± 0.8 Hz	
		-120 pA: LIII↓ vs. LIII↑	0.5619	(t) 0.582 (df) 128	2.00 ± 1.7 Hz vs. 0.00 ± 0.0 Hz	
		-160 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 128	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		-200 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 128	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		-240 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 128	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		-280 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 128	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
Figure 6B3	Two-way ANOVA	-320 pA			0.00 ± 0.0 Hz	
		-0 pA: LX↓ vs. LX↑	0.1967	(t) 1.295 (df) 224	43.12 ± 7.0 Hz vs. 38.73 ± 6.1 Hz	15 cells
		-0 pA: LX↓ vs. LX↑	0.0303	(t) 2.179 (df) 224	43.71 ± 7.2 Hz vs. 36.33 ± 5.7 Hz	

Figure 6C1	Two-way ANOVA	-0 pA: LX↓ vs. LX↑	0.0055	(<i>t</i>) 2.804 (<i>df</i>) 224	43.95 ± 7.1 Hz vs. 34.45 ± 5.5 Hz	
		-0 pA: LX↓ vs. LX↑	0.0002	(<i>t</i>) 3.783 (<i>df</i>) 224	44.39 ± 7.2 Hz vs. 31.58 ± 5.2 Hz	
		-0 pA: LX↓ vs. LX↑	<0.0001	(<i>t</i>) 5.190 (<i>df</i>) 224	44.16 ± 7.2 Hz vs. 26.58 ± 5.1 Hz	
		-0 pA: LX↓ vs. LX↑	<0.0001	(<i>t</i>) 6.423 (<i>df</i>) 224	44.37 ± 7.1 Hz vs. 22.61 ± 4.8 Hz	
		-0 pA: LX↓ vs. LX↑	<0.0001	(<i>t</i>) 7.925 (<i>df</i>) 224	44.48 ± 7.2 Hz vs. 17.63 ± 4.6 Hz	
		-0 pA: LX↓ vs. LX↑	<0.0001	(<i>t</i>) 10.24 (<i>df</i>) 224	44.39 ± 7.1 Hz vs. 9.69 ± 2.8 Hz	
		-0 pA: LX↓ vs. LX↑	<0.0001	(<i>t</i>) 11.94 (<i>df</i>) 224	44.49 ± 7.1 Hz vs. 4.03 ± 2.2 Hz	
		-40 pA: LX↓ vs. LX↑	<0.0001	(<i>t</i>) 10.70 (<i>df</i>) 224	37.28 ± 7.0 Hz vs. 1.03 ± 0.9 Hz	
		-80 pA: LX↓ vs. LX↑	<0.0001	(<i>t</i>) 7.379 (<i>df</i>) 224	24.99 ± 6.7 Hz vs. 0.00 ± 0.0 Hz	
		-120 pA: LX↓ vs. LX↑	0.0001	(<i>t</i>) 3.858 (<i>df</i>) 224	13.07 ± 5.7 Hz vs. 0.00 ± 0.0 Hz	
		-160 pA: LX↓ vs. LX↑	0.0530	(<i>t</i>) 1.946 (<i>df</i>) 224	6.59 ± 4.5 Hz vs. 0.00 ± 0.0 Hz	
		-200 pA: LX↓ vs. LX↑	0.3129	(<i>t</i>) 1.011 (<i>df</i>) 224	3.43 ± 3.3 Hz vs. 0.00 ± 0.0 Hz	
		-240 pA: LX↓ vs. LX↑	0.5409	(<i>t</i>) 0.612 (<i>df</i>) 224	2.07 ± 2.1 Hz vs. 0.00 ± 0.0 Hz	
		-280 pA: LX↓ vs. LX↑	0.9652	(<i>t</i>) 0.044 (<i>df</i>) 224	0.15 ± 0.1 Hz vs. 0.00 ± 0.0 Hz	
		-320 pA			0.00 ± 0.0 Hz	
		0 pA: LIII vs. LX			0.00 ± 0.0 mV vs. 0.00 ± 0.0 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9931	(<i>t</i>) 0.009 (<i>df</i>) 68	-0.03 ± 0.0 mV vs. 0.00 ± 0.0 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9942	(<i>t</i>) 0.007 (<i>df</i>) 68	0.03 ± 0.0 mV vs. 0.01 ± 0.0 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9919	(<i>t</i>) 0.010 (<i>df</i>) 68	0.07 ± 0.0 mV vs. 0.03 ± 0.0 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9977	(<i>t</i>) 0.003 (<i>df</i>) 68	0.09 ± 0.0 mV vs. 0.03 ± 0.0 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9816	(<i>t</i>) 0.023 (<i>df</i>) 68	0.11 ± 0.0 mV vs. 0.05 ± 0.0 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9885	(<i>t</i>) 0.014 (<i>df</i>) 68	0.07 ± 0.0 mV vs. 0.08 ± 0.0 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9850	(<i>t</i>) 0.019 (<i>df</i>) 68	0.14 ± 0.0 mV vs. 0.03 ± 0.0 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9850	(<i>t</i>) 0.019 (<i>df</i>) 68	0.16 ± 0.0 mV vs. 0.07 ± 0.0 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9954	(<i>t</i>) 0.006 (<i>df</i>) 68	0.15 ± 0.0 mV vs. 0.10 ± 0.0 mV	8 vs. 14 cells
		40 pA: LIII vs. LX	0.9425	(<i>t</i>) 0.072 (<i>df</i>) 68	0.76 ± 0.1 mV vs. 0.30 ± 0.1 mV	8 vs. 14 cells
		80 pA: LIII vs. LX	0.7488	(<i>t</i>) 0.322 (<i>df</i>) 68	4.77 ± 0.5 mV vs. 5.95 ± 0.8 mV	8 vs. 14 cells
		120 pA: LIII vs. LX	0.9977	(<i>t</i>) 0.003 (<i>df</i>) 68	9.52 ± 1.9 mV vs. 10.19 ± 0.9 mV	8 vs. 14 cells
		160 pA: LIII vs. LX	0.3919	(<i>t</i>) 0.862 (<i>df</i>) 68	13.27 ± 1.8 mV vs. 14.14 ± 0.9 mV	8 vs. 14 cells
		200 pA: LIII vs. LX	0.7002	(<i>t</i>) 0.387 (<i>df</i>) 68	16.07 ± 1.5 mV vs. 17.33 ± 1.0 mV	8 vs. 14 cells
		240 pA: LIII vs. LX	0.5403	(<i>t</i>) 0.615 (<i>df</i>) 68	17.89 ± 1.3 mV vs. 18.42 ± 1.0 mV	8 vs. 14 cells
		280 pA: LIII vs. LX	0.4689	(<i>t</i>) 0.728 (<i>df</i>) 68	19.04 ± 1.4 mV vs. 19.72 ± 1.0 mV	8 vs. 14 cells
		320 pA: LIII vs. LX	0.5375	(<i>t</i>) 0.620 (<i>df</i>) 68	19.91 ± 1.5 mV vs. 20.34 ± 1.1 mV	8 vs. 14 cells
		280 pA: LIII vs. LX	0.4760	(<i>t</i>) 0.719 (<i>df</i>) 68	19.20 ± 1.4 mV vs. 19.91 ± 1.1 mV	8 vs. 14 cells
		240 pA: LIII vs. LX	0.5318	(<i>t</i>) 0.629 (<i>df</i>) 68	18.17 ± 1.4 mV vs. 18.95 ± 1.1 mV	8 vs. 14 cells
		200 pA: LIII vs. LX	0.6099	(<i>t</i>) 0.513 (<i>df</i>) 68	17.07 ± 1.4 mV vs. 18.08 ± 1.1 mV	8 vs. 14 cells
		160 pA: LIII vs. LX	0.8694	(<i>t</i>) 0.165 (<i>df</i>) 68	13.59 ± 2.3 mV vs. 16.85 ± 1.0 mV	8 vs. 14 cells
		120 pA: LIII vs. LX	0.9104	(<i>t</i>) 0.113 (<i>df</i>) 68	10.68 ± 2.4 mV vs. 14.86 ± 1.4 mV	8 vs. 14 cells
		80 pA: LIII vs. LX	0.4813	(<i>t</i>) 0.708 (<i>df</i>) 68	5.94 ± 2.8 mV vs. 12.04 ± 1.8 mV	8 vs. 14 cells
		40 pA: LIII vs. LX	0.0452	(<i>t</i>) 2.040 (<i>df</i>) 68	2.27 ± 2.4 mV vs. 9.04 ± 2.1 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.0319	(<i>t</i>) 2.191 (<i>df</i>) 68	-1.71 ± 1.0 mV vs. -1.52 ± 0.9 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.7379	(<i>t</i>) 0.336 (<i>df</i>) 68	-0.41 ± 0.1 mV vs. -0.78 ± 0.4 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.7863	(<i>t</i>) 0.272 (<i>df</i>) 68	-0.35 ± 0.1 mV vs. -0.56 ± 0.1 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9908	(<i>t</i>) 0.116 (<i>df</i>) 68	-0.33 ± 0.1 mV vs. -0.45 ± 0.1 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9977	(<i>t</i>) 0.003 (<i>df</i>) 68	-0.24 ± 0.1 mV vs. -0.35 ± 0.1 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9965	(<i>t</i>) 0.004 (<i>df</i>) 68	-0.22 ± 0.1 mV vs. -0.27 ± 0.1 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9896	(<i>t</i>) 0.013 (<i>df</i>) 68	-0.15 ± 0.1 mV vs. -0.26 ± 0.1 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9862	(<i>t</i>) 0.017 (<i>df</i>) 68	-0.13 ± 0.0 mV vs. -0.25 ± 0.1 mV	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9655	(<i>t</i>) 0.043 (<i>df</i>) 68	-0.10 ± 0.0 mV vs. -0.22 ± 0.1 mV	8 vs. 14 cells
Figure 6C2	Two-way ANOVA	0 pA: LIII↓ vs. LIII↑	0.9454	(<i>t</i>) 0.069 (<i>df</i>) 112	-0.03 ± 0.0 mV vs. -0.10 ± 0.0 mV	
		0 pA: LIII↓ vs. LIII↑	0.8752	(<i>t</i>) 0.157 (<i>df</i>) 112	0.03 ± 0.0 mV vs. -0.13 ± 0.0 mV	
		0 pA: LIII↓ vs. LIII↑	0.8284	(<i>t</i>) 0.217 (<i>df</i>) 112	0.07 ± 0.0 mV vs. -0.15 ± 0.1 mV	
		0 pA: LIII↓ vs. LIII↑	0.7564	(<i>t</i>) 0.311 (<i>df</i>) 112	0.09 ± 0.0 mV vs. -0.22 ± 0.1 mV	
		0 pA: LIII↓ vs. LIII↑	0.7272	(<i>t</i>) 0.350 (<i>df</i>) 112	0.11 ± 0.0 mV vs. -0.24 ± 0.1 mV	
		0 pA: LIII↓ vs. LIII↑	0.6978	(<i>t</i>) 0.393 (<i>df</i>) 112	0.07 ± 0.0 mV vs. -0.33 ± 0.1 mV	
		0 pA: LIII↓ vs. LIII↑	0.6254	(<i>t</i>) 0.490 (<i>df</i>) 112	0.14 ± 0.0 mV vs. -0.35 ± 0.1 mV	
		0 pA: LIII↓ vs. LIII↑	0.5676	(<i>t</i>) 0.573 (<i>df</i>) 112	0.16 ± 0.0 mV vs. -0.41 ± 0.1 mV	8 cells
		0 pA: LIII↓ vs. LIII↑	0.0657	(<i>t</i>) 1.858 (<i>df</i>) 112	0.15 ± 0.0 mV vs. -1.71 ± 1.0 mV	
		40 pA: LIII↓ vs. LIII↑	0.1329	(<i>t</i>) 1.514 (<i>df</i>) 112	0.76 ± 0.1 mV vs. 2.27 ± 2.4 mV	
		80 pA: LIII↓ vs. LIII↑	0.2444	(<i>t</i>) 1.170 (<i>df</i>) 112	4.77 ± 0.5 mV vs. 5.94 ± 2.8 mV	
		120 pA: LIII↓ vs. LIII↑	0.2499	(<i>t</i>) 1.157 (<i>df</i>) 112	9.52 ± 1.9 mV vs. 10.68 ± 2.4 mV	
		160 pA: LIII↓ vs. LIII↑	0.7517	(<i>t</i>) 0.317 (<i>df</i>) 112	13.27 ± 1.8 mV vs. 13.59 ± 2.3 mV	
		200 pA: LIII↓ vs. LIII↑	0.3205	(<i>t</i>) 0.998 (<i>df</i>) 112	16.07 ± 1.5 mV vs. 17.07 ± 1.4 mV	
		240 pA: LIII↓ vs. LIII↑	0.7754	(<i>t</i>) 0.286 (<i>df</i>) 112	17.89 ± 1.3 mV vs. 18.17 ± 1.4 mV	

Figure 6C3	Two-way ANOVA	-280 pA: LIII↓ vs. LIII↑	0.5762	(t) 0.156 (df) 112	19.04 ± 1.4 mV vs. 19.20 ± 1.4 mV	14 cells
		-320 pA			19.81 ± 1.5 mV	
		0 pA: LX↓ vs. LX↑	0.8004	(t) 0.253 (df) 208	0.00 ± 0.0 mV vs. -0.22 ± 0.1 mV	
		0 pA: LX↓ vs. LX↑	0.7591	(t) 0.307 (df) 208	0.01 ± 0.0 mV vs. -0.25 ± 0.1 mV	
		0 pA: LX↓ vs. LX↑	0.7415	(t) 0.330 (df) 208	0.03 ± 0.0 mV vs. -0.26 ± 0.1 mV	
		0 pA: LX↓ vs. LX↑	0.7334	(t) 0.341 (df) 208	0.03 ± 0.0 mV vs. -0.27 ± 0.1 mV	
		0 pA: LX↓ vs. LX↑	0.6449	(t) 0.462 (df) 208	0.05 ± 0.0 mV vs. -0.35 ± 0.1 mV	
		0 pA: LX↓ vs. LX↑	0.8387	(t) 0.616 (df) 208	0.08 ± 0.0 mV vs. -0.45 ± 0.1 mV	
		0 pA: LX↓ vs. LX↑	0.4937	(t) 0.686 (df) 208	0.03 ± 0.0 mV vs. -0.56 ± 0.1 mV	
		0 pA: LX↓ vs. LX↑	0.3240	(t) 0.989 (df) 208	0.07 ± 0.0 mV vs. -0.78 ± 0.4 mV	
		0 pA: LX↓ vs. LX↑	0.0613	(t) 1.882 (df) 208	0.10 ± 0.0 mV vs. -1.52 ± 0.9 mV	
		40 pA: LX↓ vs. LX↑	<0.0001	(t) 9.802 (df) 208	0.60 ± 0.1 mV vs. 9.04 ± 2.1 mV	
		80 pA: LX↓ vs. LX↑	<0.0001	(t) 7.077 (df) 208	5.95 ± 0.8 mV vs. 12.04 ± 1.8 mV	
		120 pA: LX↓ vs. LX↑	<0.0001	(t) 5.431 (df) 208	10.19 ± 0.9 mV vs. 14.86 ± 1.4 mV	
		160 pA: LX↓ vs. LX↑	0.0049	(t) 3.145 (df) 208	14.14 ± 0.9 mV vs. 16.85 ± 1.0 mV	
		200 pA: LX↓ vs. LX↑	0.3886	(t) 0.864 (df) 208	17.33 ± 1.0 mV vs. 18.08 ± 1.1 mV	
		240 pA: LX↓ vs. LX↑	0.5354	(t) 0.621 (df) 208	18.42 ± 1.0 mV vs. 18.95 ± 1.1 mV	
		280 pA: LX↓ vs. LX↑	0.8203	(t) 0.227 (df) 208	19.72 ± 1.0 mV vs. 19.91 ± 1.1 mV	
		320 pA			20.34 ± 1.1 mV	
Figure 6D1	Two-way ANOVA	0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		40 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		80 pA: LIII vs. LX	0.9056	(t) 0.119 (df) 680	0.94 ± 0.9 Hz vs. 1.82 ± 1.4 Hz	8 vs. 14 cells
		120 pA: LIII vs. LX	0.7201	(t) 0.358 (df) 680	14.56 ± 7.2 Hz vs. 11.89 ± 4.0 Hz	8 vs. 14 cells
		160 pA: LIII vs. LX	0.2843	(t) 1.072 (df) 680	32.69 ± 11.5 Hz vs. 24.71 ± 5.8 Hz	8 vs. 14 cells
		200 pA: LIII vs. LX	0.1556	(t) 1.422 (df) 680	50.38 ± 13.4 Hz vs. 39.79 ± 6.8 Hz	8 vs. 14 cells
		240 pA: LIII vs. LX	0.2014	(t) 1.279 (df) 680	66.31 ± 14.2 Hz vs. 56.79 ± 6.4 Hz	8 vs. 14 cells
		280 pA: LIII vs. LX	0.0787	(t) 1.761 (df) 680	81.25 ± 15.5 Hz vs. 68.13 ± 6.2 Hz	8 vs. 14 cells
		320 pA: LIII vs. LX	0.0355	(t) 2.107 (df) 680	91.00 ± 16.4 Hz vs. 75.30 ± 5.9 Hz	8 vs. 14 cells
		280 pA: LIII vs. LX	0.0969	(t) 1.663 (df) 680	81.44 ± 15.5 Hz vs. 69.05 ± 5.9 Hz	8 vs. 14 cells
		240 pA: LIII vs. LX	0.3302	(t) 0.975 (df) 680	67.81 ± 14.5 Hz vs. 60.55 ± 5.5 Hz	8 vs. 14 cells
		200 pA: LIII vs. LX	0.8163	(t) 0.233 (df) 680	53.13 ± 14.2 Hz vs. 51.39 ± 4.3 Hz	8 vs. 14 cells
		160 pA: LIII vs. LX	0.5443	(t) 0.607 (df) 680	37.00 ± 12.6 Hz vs. 41.52 ± 2.3 Hz	8 vs. 14 cells
		120 pA: LIII vs. LX	0.2935	(t) 1.051 (df) 680	22.75 ± 10.6 Hz vs. 30.58 ± 0.4 Hz	8 vs. 14 cells
		80 pA: LIII vs. LX	0.2056	(t) 1.267 (df) 680	10.75 ± 7.4 Hz vs. 20.19 ± 0.2 Hz	8 vs. 14 cells
		40 pA: LIII vs. LX	0.4561	(t) 0.746 (df) 680	2.38 ± 2.4 Hz vs. 7.93 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9236	(t) 0.096 (df) 680	0.00 ± 0.0 Hz vs. 0.71 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	0.9771	(t) 0.029 (df) 680	0.00 ± 0.0 Hz vs. 0.21 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
		0 pA: LIII vs. LX	>0.9999	(t) 0.000 (df) 680	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 vs. 14 cells
Figure 6D2	Two-way ANOVA	0 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 112	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	8 cells
		0 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 112	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 112	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 112	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 112	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 112	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 112	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 112	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LIII↓ vs. LIII↑	>0.9999	(t) 0.000 (df) 112	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		40 pA: LIII↓ vs. LIII↑	0.3496	(t) 0.939 (df) 112	0.00 ± 0.0 Hz vs. 2.38 ± 2.4 Hz	
		80 pA: LIII↓ vs. LIII↑	0.0002	(t) 3.881 (df) 112	0.94 ± 0.9 Hz vs. 10.75 ± 7.4 Hz	

Figure 6D3	Two-way ANOVA	120 pA: LIII↓ vs. LIII↑	0.0016	(t) 3.238 (df) 112	14.56 ± 7.2 Hz vs. 22.75 ± 10.6 Hz	14 cells
		160 pA: LIII↓ vs. LIII↑	0.0909	(t) 1.705 (df) 112	32.69 ± 11.5 Hz vs. 37.00 ± 12.6 Hz	
		200 pA: LIII↓ vs. LIII↑	0.2791	(t) 1.088 (df) 112	50.38 ± 13.4 Hz vs. 53.13 ± 14.2 Hz	
		240 pA: LIII↓ vs. LIII↑	0.5542	(t) 0.593 (df) 112	66.31 ± 14.2 Hz vs. 67.81 ± 14.5 Hz	
		280 pA: LIII↓ vs. LIII↑	0.9410	(t) 0.074 (df) 112	81.25 ± 15.5 Hz vs. 81.44 ± 15.5 Hz	
		320 pA			91.00 ± 16.4 Hz	
		0 pA: LX↓ vs. LX↑	>0.9999	(t) 0.000 (df) 208	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LX↓ vs. LX↑	>0.9999	(t) 0.000 (df) 208	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LX↓ vs. LX↑	>0.9999	(t) 0.000 (df) 208	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LX↓ vs. LX↑	>0.9999	(t) 0.000 (df) 208	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LX↓ vs. LX↑	>0.9999	(t) 0.000 (df) 208	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LX↓ vs. LX↑	>0.9999	(t) 0.000 (df) 208	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LX↓ vs. LX↑	>0.9999	(t) 0.000 (df) 208	0.00 ± 0.0 Hz vs. 0.00 ± 0.0 Hz	
		0 pA: LX↓ vs. LX↑	0.9341	(t) 0.083 (df) 208	0.00 ± 0.0 Hz vs. 0.21 ± 0.2 Hz	
		0 pA: LX↓ vs. LX↑	0.7828	(t) 0.276 (df) 208	0.00 ± 0.0 Hz vs. 0.71 ± 0.4 Hz	
		40 pA: LX↓ vs. LX↑	0.0025	(t) 3.064 (df) 208	0.00 ± 0.0 Hz vs. 7.93 ± 2.3 Hz	
		80 pA: LX↓ vs. LX↑	<0.0001	(t) 7.098 (df) 208	1.82 ± 1.4 Hz vs. 20.19 ± 4.3 Hz	
		120 pA: LX↓ vs. LX↑	<0.0001	(t) 7.222 (df) 208	11.89 ± 4.0 Hz vs. 30.58 ± 5.5 Hz	
		160 pA: LX↓ vs. LX↑	<0.0001	(t) 6.498 (df) 208	24.71 ± 5.8 Hz vs. 41.52 ± 5.9 Hz	
		200 pA: LX↓ vs. LX↑	<0.0001	(t) 4.486 (df) 208	39.79 ± 6.8 Hz vs. 51.39 ± 5.9 Hz	
		240 pA: LX↓ vs. LX↑	0.1468	(t) 1.456 (df) 208	56.79 ± 6.0 Hz vs. 60.55 ± 6.2 Hz	
		280 pA: LX↓ vs. LX↑	0.7225	(t) 0.356 (df) 208	68.13 ± 6.3 Hz vs. 69.05 ± 6.4 Hz	
		320 pA			75.30 ± 6.8 Hz	

Table S7. Statistical data for *in vitro* whole cell patch electrophysiology in the adult mouse ($P > 30$), tail-current analysis. Data for *in vitro* extracellular recordings in the adult mouse ($P > 30$), for propofol effect analysis, and whole cell for action potential properties with propofol. Descriptive values are represented as \pm SEM. Abbreviations: LIII = Lobule III, LX = Lobule X, *df* = degrees of freedom, pA = picoampere, Hz = hertz, mV = millivolt, Vm = membrane voltage, Ω = Ohm, msec = milliseconds, aCSF = artificial cerebral spinal fluid aCSF+P = aCSF with propofol added, aCSF+PC = aCSF with propofol and CGP added, aCSF+Z = aCSF with propofol and zatebradine added.

Related Figure	Test Applied	Group	p-Value	Population-Value	Descriptive Values	Population Size
Figure 7B1	Mixed-effects analysis	Time x Column factor	<0.0001	F(16, 416)		
		-130 pA: LIII vs. LX	<0.0001	(t) 4.324 (<i>df</i>) 445	193.9 \pm 12 pA vs. 144.4 \pm 11 pA	16 vs. 15 cells
		-125 pA: LIII vs. LX	<0.0001	(t) 4.773 (<i>df</i>) 445	194.7 \pm 13 pA vs. 136.8 \pm 11 pA	12 vs. 13 cells
		-120 pA: LIII vs. LX	<0.0001	(t) 4.843 (<i>df</i>) 445	187.4 \pm 14 pA vs. 131.9 \pm 9 pA	16 vs. 15 cells
		-115 pA: LIII vs. LX	<0.0001	(t) 5.110 (<i>df</i>) 445	187.3 \pm 11 pA vs. 125.3 \pm 11 pA	12 vs. 13 cells
		-110 pA: LIII vs. LX	<0.0001	(t) 5.110 (<i>df</i>) 445	175.9 \pm 10 pA vs. 117.3 \pm 9 pA	16 vs. 15 cells
		-105 pA: LIII vs. LX	<0.0001	(t) 4.684 (<i>df</i>) 445	172.1 \pm 9 pA vs. 115.2 \pm 9 pA	12 vs. 13 cells
		-100 pA: LIII vs. LX	<0.0001	(t) 4.797 (<i>df</i>) 445	160.6 \pm 9 pA vs. 105.6 \pm 8 pA	16 vs. 15 cells
		-95 pA: LIII vs. LX	<0.0001	(t) 4.914 (<i>df</i>) 445	158.8 \pm 7 pA vs. 99.1 \pm 9 pA	12 vs. 13 cells
		-90 pA: LIII vs. LX	<0.0001	(t) 4.278 (<i>df</i>) 445	139.1 \pm 8 pA vs. 90.0 \pm 7 pA	16 vs. 15 cells
		-85 pA: LIII vs. LX	0.0004	(t) 3.596 (<i>df</i>) 445	123.8 \pm 6 pA vs. 79.9 \pm 8 pA	12 vs. 13 cells
		-80 pA: LIII vs. LX	0.0011	(t) 3.285 (<i>df</i>) 445	105.1 \pm 7 pA vs. 67.4 \pm 7 pA	16 vs. 15 cells
		-75 pA: LIII vs. LX	0.0048	(t) 2.836 (<i>df</i>) 445	89.5 \pm 8 pA vs. 54.7 \pm 6 pA	12 vs. 13 cells
		-70 pA: LIII vs. LX	0.0220	(t) 2.299 (<i>df</i>) 445	66.5 \pm 6 pA vs. 40.2 \pm 5 pA	16 vs. 15 cells
		-65 pA: LIII vs. LX	0.1641	(t) 1.394 (<i>df</i>) 445	45.5 \pm 7 pA vs. 28.0 \pm 3 pA	12 vs. 13 cells
		-60 pA: LIII vs. LX	0.2438	(t) 1.167 (<i>df</i>) 445	30.6 \pm 3 pA vs. 17.2 \pm 2 pA	16 vs. 15 cells
		-55 pA: LIII vs. LX	0.8729	(t) 0.160 (<i>df</i>) 445	14.1 \pm 2 pA vs. 11.3 \pm 2 pA	12 vs. 13 cells
		-50 pA: LIII vs. LX	>0.9999	(t) 0.000 (<i>df</i>) 445	0.0 \pm 0 pA vs. 0.0 \pm 0 pA	16 vs. 15 cells
Figure 7B2	Mixed-effects analysis	Time x Column factor	<0.0001	F(16, 422)		
		-130 pA: LIII vs. LX	0.0013	(t) 3.241 (<i>df</i>) 451	123.5 \pm 12 pA vs. 93.5 \pm 9 pA	16 vs. 15 cells
		-125 pA: LIII vs. LX	0.0018	(t) 3.144 (<i>df</i>) 451	115.1 \pm 13 pA vs. 90.9 \pm 8 pA	12 vs. 13 cells
		-120 pA: LIII vs. LX	0.0004	(t) 3.544 (<i>df</i>) 451	115.8 \pm 11 pA vs. 81.6 \pm 6 pA	16 vs. 15 cells
		-115 pA: LIII vs. LX	0.0003	(t) 3.606 (<i>df</i>) 451	107.7 \pm 12 pA vs. 77.0 \pm 8 pA	12 vs. 13 cells
		-110 pA: LIII vs. LX	0.0003	(t) 3.686 (<i>df</i>) 451	104.2 \pm 10 pA vs. 68.6 \pm 7 pA	16 vs. 15 cells
		-105 pA: LIII vs. LX	0.0036	(t) 2.925 (<i>df</i>) 451	94.7 \pm 11 pA vs. 70.8 \pm 7 pA	12 vs. 13 cells
		-100 pA: LIII vs. LX	0.0053	(t) 2.804 (<i>df</i>) 451	89.5 \pm 9 pA vs. 62.4 \pm 7 pA	16 vs. 15 cells
		-95 pA: LIII vs. LX	0.0136	(t) 2.479 (<i>df</i>) 451	75.5 \pm 9 pA vs. 56.2 \pm 7 pA	12 vs. 13 cells
		-90 pA: LIII vs. LX	0.0356	(t) 2.108 (<i>df</i>) 451	69.8 \pm 8 pA vs. 49.4 \pm 6 pA	16 vs. 15 cells
		-85 pA: LIII vs. LX	0.0450	(t) 2.010 (<i>df</i>) 451	55.5 \pm 7 pA vs. 40.8 \pm 5 pA	12 vs. 13 cells
		-80 pA: LIII vs. LX	0.2164	(t) 1.238 (<i>df</i>) 451	46.4 \pm 6 pA vs. 34.5 \pm 5 pA	16 vs. 15 cells
		-75 pA: LIII vs. LX	0.1599	(t) 1.408 (<i>df</i>) 451	33.8 \pm 5 pA vs. 25.1 \pm 5 pA	12 vs. 13 cells
		-70 pA: LIII vs. LX	0.4581	(t) 0.743 (<i>df</i>) 451	26.3 \pm 3 pA vs. 19.2 \pm 3 pA	16 vs. 15 cells
		-65 pA: LIII vs. LX	0.4646	(t) 0.732 (<i>df</i>) 451	17.1 \pm 2 pA vs. 15.1 \pm 3 pA	12 vs. 13 cells
		-60 pA: LIII vs. LX	0.6434	(t) 0.463 (<i>df</i>) 451	13.9 \pm 2 pA vs. 9.4 \pm 2 pA	16 vs. 15 cells
		-55 pA: LIII vs. LX	0.3855	(t) 0.869 (<i>df</i>) 451	10.2 \pm 2 pA vs. 6.9 \pm 2 pA	12 vs. 13 cells
		-50 pA: LIII vs. LX	>0.9999	(t) 0.000 (<i>df</i>) 451	0.0 \pm 0 pA vs. 0.0 \pm 0 pA	16 vs. 15 cells
Figure 7B3	Mixed-effects analysis	Time x Column factor	<0.0210	F(16, 422)		
		-130 pA: LIII vs. LX	0.0778	(t) 1.768 (<i>df</i>) 451	69.8 \pm 9 pA vs. 50.9 \pm 10 pA	16 vs. 15 cells
		-125 pA: LIII vs. LX	0.2572	(t) 1.134 (<i>df</i>) 451	62.8 \pm 15 pA vs. 45.9 \pm 9 pA	12 vs. 13 cells
		-120 pA: LIII vs. LX	0.0362	(t) 2.101 (<i>df</i>) 451	71.5 \pm 8 pA vs. 50.3 \pm 7 pA	16 vs. 15 cells
		-115 pA: LIII vs. LX	0.2040	(t) 1.272 (<i>df</i>) 451	65.2 \pm 14 pA vs. 48.3 \pm 9 pA	12 vs. 13 cells
		-110 pA: LIII vs. LX	0.0238	(t) 2.268 (<i>df</i>) 451	71.7 \pm 7 pA vs. 48.7 \pm 7 pA	16 vs. 15 cells
		-105 pA: LIII vs. LX	0.1231	(t) 1.545 (<i>df</i>) 451	64.2 \pm 13 pA vs. 44.4 \pm 7 pA	12 vs. 13 cells
		-100 pA: LIII vs. LX	0.0061	(t) 2.756 (<i>df</i>) 451	71.1 \pm 7 pA vs. 43.2 \pm 6 pA	16 vs. 15 cells
		-95 pA: LIII vs. LX	0.0205	(t) 2.324 (<i>df</i>) 451	71.0 \pm 12 pA vs. 43.0 \pm 8 pA	12 vs. 13 cells
		-90 pA: LIII vs. LX	0.0048	(t) 2.833 (<i>df</i>) 451	69.2 \pm 6 pA vs. 40.6 \pm 6 pA	16 vs. 15 cells
		-85 pA: LIII vs. LX	0.1267	(t) 1.530 (<i>df</i>) 451	58.8 \pm 11 pA vs. 39.1 \pm 6 pA	12 vs. 13 cells
		-80 pA: LIII vs. LX	0.0114	(t) 2.539 (<i>df</i>) 451	58.6 \pm 6 pA vs. 33.0 \pm 6 pA	16 vs. 15 cells
		-75 pA: LIII vs. LX	0.1368	(t) 1.490 (<i>df</i>) 451	48.8 \pm 9 pA vs. 29.6 \pm 5 pA	12 vs. 13 cells
		-70 pA: LIII vs. LX	0.0587	(t) 1.895 (<i>df</i>) 451	40.2 \pm 5 pA vs. 21.0 \pm 4 pA	16 vs. 15 cells
		-65 pA: LIII vs. LX	0.4142	(t) 0.817 (<i>df</i>) 451	25.0 \pm 6 pA vs. 12.8 \pm 3 pA	12 vs. 13 cells
		-60 pA: LIII vs. LX	0.3795	(t) 0.880 (<i>df</i>) 451	16.6 \pm 3 pA vs. 7.7 \pm 2 pA	16 vs. 15 cells
		-55 pA: LIII vs. LX	0.6312	(t) 0.480 (<i>df</i>) 451	2.8 \pm 3 pA vs. 4.4 \pm 1 pA	12 vs. 13 cells
		-50 pA: LIII vs. LX	>0.9999	(t) 0.000 (<i>df</i>) 451	0.0 \pm 0 pA vs. 0.0 \pm 0 pA	16 vs. 15 cells

Figure 7C2	Kruskal–Wallis test	aCSF+P: LIII vs LX	0.0565	(Z) 1.907	78.88 ± 6.0 Hz vs. 60.48 ± 5.5 Hz	28 vs. 27 cells
		aCSF+PC: LIII vs LX	<u>0.0009</u>	(Z) 3.330	81.90 ± 7.3 Hz vs. 43.99 ± 6.6 Hz	11 vs. 11 cells
		LIII: aCSF+P vs. aCSF+PC	0.5824	(Z) 0.550	78.88 ± 6.0 Hz vs. 81.90 ± 7.3 Hz	28 vs. 11 cells
		LX: aCSF+P vs. aCSF+PC	<u>0.0471</u>	(Z) 1.985	60.48 ± 5.5 Hz vs. 43.99 ± 6.6 Hz	27 vs. 11 cells
Figure 7C3	Kruskal–Wallis test	aCSF+P: LIII vs LX	<u>0.0011</u>	(Z) 3.269	0.118 ± 0.02 vs. 0.093 ± 0.02	28 vs. 27 cells
		aCSF+PC: LIII vs LX	<u>0.0006</u>	(Z) 3.411	0.104 ± 0.02 vs. 0.040 ± 0.00	11 vs. 11 cells
		LIII: aCSF+P vs. aCSF+PC	0.8958	(Z) 0.131	0.118 ± 0.02 vs. 0.104 ± 0.02	28 vs. 11 cells
		LX: aCSF+P vs. aCSF+PC	0.0833	(Z) 1.732	0.093 ± 0.02 vs. 0.040 ± 0.00	27 vs. 11 cells
Figure 7D	Unpaired <i>t</i> -test	LIII vs. LX	0.9912	(<i>t</i>) 0.011 (<i>df</i>) 18	−43.66 ± 1.6 Vm vs. −43.64 ± 1.2 Vm	9 vs. 11 cells
Figure 7E	Unpaired <i>t</i> -test	LIII vs. LX	0.1387	(<i>t</i>) 1.549 (<i>df</i>) 18	85.60 ± 1.9 mV vs. 92.16 ± 3.5 mV	9 vs. 11 cells
Figure 7F1	Welch’s <i>t</i> -test	LIII vs. LX	<u>0.0023</u>	(<i>t</i>) 3.772 (<i>df</i>) 13	0.156 ± 0.006 msec vs. 0.211 ± 0.014 msec	9 vs. 11 cells
Figure 7F2	Unpaired <i>t</i> -test	LIII vs. LX	0.5847	(<i>t</i>) 0.557 (<i>df</i>) 18	0.133 ± 0.006 msec vs. 0.138 ± 0.006 msec	9 vs. 11 cells
Figure 7F3	Welch’s <i>t</i> -test	LIII vs. LX	<u><0.0001</u>	(<i>t</i>) 6.379 (<i>df</i>) 11	0.116 ± 0.003 msec vs. 0.229 ± 0.190 msec	9 vs. 11 cells
Figure 7 S1A1	Welch’s <i>t</i> -test	LIII vs. LX	<u>0.0127</u>	(<i>t</i>) 2.785 (<i>df</i>) 17	84.40 ± 5.6 Ω vs. 134.3 ± 17.0 Ω	16 vs. 15 cells
Figure 7 S1A2	Welch’s <i>t</i> -test	LIII vs. LX	<u>0.0118</u>	(<i>t</i>) 2.824 (<i>df</i>) 17	68.67 ± 5.4 Ω vs. 118.7 ± 16.9 Ω	16 vs. 15 cells
Figure 7 S1A3	Unpaired <i>t</i> -test	LIII vs. LX	0.8988	(<i>t</i>) 0.128 (<i>df</i>) 29	15.73 ± 0.8 Ω vs. 15.58 ± 0.8 Ω	16 vs. 15 cells
Figure 7 S1B1	Mixed-effects analysis	LIII: aCSF vs. aCSF+P	<u><0.0001</u>	F(16, 182)		
		LIII: aCSF vs. aCSF+Z	<u><0.0001</u>	F(16, 21)		
		LIII: aCSF+P vs. aCSF+Z	<u><0.0001</u>	F(16, 27)		
Figure 7 S1B2	Mixed-effects analysis	LX: aCSF vs. aCSF+P	<u><0.0001</u>	F(16, 192)		
		LX: aCSF vs. aCSF+Z	<u><0.0001</u>	F(16, 16)		
		LX: aCSF+P vs. aCSF+Z	<u><0.0001</u>	F(16, 18)		
Figure 7 S1B3	Two-way ANOVA	LIII aCSF+Z vs. LX aCSF+Z	0.7754	F(16, 80)		
Figure 7 S1D1	Unpaired <i>t</i> -test	LIII vs. LX	<u>0.0358</u>	(<i>t</i>) 2.252 (<i>df</i>) 20	64.95 ± 3.9 Ω vs. 84.07 ± 6.5 Ω	9 vs. 13 cells
Figure 7 S1D2	Mann–Whitney U test	LIII vs. LX	<u>0.0364</u>	(<i>U</i>) 27	49.54 ± 3.8 Ω vs. 68.56 ± 6.4 Ω	9 vs. 13 cells
Figure 7 S1D3	Unpaired <i>t</i> -test	LIII vs. LX	0.9232	(<i>t</i>) 0.098 (<i>df</i>) 20	15.41 ± 0.7 Ω vs. 15.51 ± 0.7 Ω	9 vs. 13 cells
Figure 7 S1E	Unpaired <i>t</i> -test	LIII vs. LX	0.8031	(<i>t</i>) 0.2531 (<i>df</i>) 18	76.00 ± 12.5 pA vs. 69.91 ± 19.2 pA	9 vs. 11 cells
Figure 7 S1F	Unpaired <i>t</i> -test	LIII vs. LX	<u>0.0585</u>	(<i>t</i>) 2.020 (<i>df</i>) 18	34.90 ± 1.6 Vm vs. 42.13 ± 3.0 Vm	9 vs. 11 cells