	Parameter		Median	Mean	Std. Dev	95% CI		p value
Rheobase	Spike amplitude (mV)	Low	61.64	60.86	9.97	55.34	66.38	0.723
		High	59.90	59.93	8.53	55.20	64.65	
	AHP amplitude (mV)	Low	27.98	29.22	7.19	25.24	33.21	0.941
		High	28.30	29.05	6.75	25.31	32.79	
	Mean rise slope (V/s)	Low	152.90	150.20	23.35	137.30	163.10	0.719
		High	149.60	147.40	29.14	131.30	163.60	
	Mean decay slope (V/s) ^	Low	67.98	66.00	11.20	59.80	72.20	0.679
		High	67.10	65.67	7.42	61.56	69.78	
	Half width (ms) ^	Low	0.79	0.78	0.05	0.75	0.81	0.894
		High	0.78	0.79	0.06	0.75	0.83	
	Maximum rise slope (V/s)	Low	328.70	330.30	47.23	304.20	356.50	0.935
		High	329.10	329.30	49.84	301.70	356.90	
	Maximum decay slope (V/s) ^	Low	91.06	89.55	13.71	81.95	97.14	0.847
		High	90.73	90.42	11.56	84.02	96.83	
	Max rise/Max decay	Low	3.61	3.72	0.38	3.51	3.93	0.775
		High	3.55	3.67	0.50	3.39	3.95	
	Latency (ms) ^	Low	14.46	16.01	7.68	11.76	20.26	0.169
		High	10.47	12.59	6.08	9.22	15.95	
5 spikes	Spike amplitude (mV)	Low	55.56	57.70	8.61	52.93	62.47	0.678
		High	57.63	58.77	8.35	54.15	63.40	
	AHP amplitude (mV)	Low	29.78	30.34	6.56	26.71	33.97	0.680
		High	29.36	29.35	6.13	25.95	32.74	
	Mean rise slope (V/s)	Low	138.90	143.20	23.89	130.00	156.50	0.895
		High	151.80	142.20	26.00	127.80	156.60	
	Mean decay slope (V/s)	Low	63.94	60.20	12.03	53.53	66.86	0.804
		High	59.67	59.48	8.10	55.00	63.96	
	Half width (ms)	Low	0.81	0.82	0.08	0.77	0.86	0.797
		High	0.82	0.82	0.09	0.77	0.87	
	Maximum rise slope (V/s)	Low	317.20	314.30	52.78	285.00	343.50	0.835
		High	322.50	317.40	46.01	291.90	342.80	
	Maximum decay slope (V/s) ^	Low	89.42	84.57	15.88	75.78	93.37	0.978
		High	88.76	84.35	12.05	77.68	91.03	
	Max rise/Max decay	Low	3.83	3.77	0.58	3.45	4.10	0.891
		High	3.80	3.80	0.52	3.51	4.09	
	Latency (ms)	Low	6.95	6.97	2.25	5.72	8.22	0.830
		High	7.25	7.15	2.29	5.88	8.41	
	Input resistance (mΩ) ^	Low	161.80	165.30	46.58	139.50	191.10	0.079
		High	195.00	199.20	55.20	168.60	229.70	
	Capacitance (pF) ^	Low	75.59	78.25	11.56	71.85	84.65	0.083
		High	70.41	69.66	13.40	62.24	77.08	
	Resting membrane potential (mV)	Low	-66.70	-66.86	4.14	-69.15	-64.57	0.572
		High	-67.45	-67.40	3.58	-69.39	-65.42	
	Action potentail threshold (mV) ^	Low	-30.85	-31.47	2.82	-33.03	-29.91	0.208
		High	-32.83	-33.14	4.93	-35.87	-30.41	
	Sag percentage ^	Low	94.04	90.31	9.61	84.99	95.63	0.252
		High	94.67	93.73	4.04	91.49	95.97	

p values calculated via paired t-test except ^, which were calculated via Wilcoxon Signed Rank Sum test

Table S1: Additional electrophysiological properties of high and low activity neurons. Related to Figure 5. Values labeled "rheobase" are calculated for the first spike at rheobase, values labeled "5 spikes" are calculated for the first spike for the smallest current step to produce at least 5 action potentials. Passive properties are measured in voltage clamp with a -5mV voltage step.