

S2 Table. Features and errors for all the traces from Fig 1

Neuron type	pattern class	<i>I</i> (pA) exp, model	<i>fsl</i> (ms) exp, model, model/exp	<i>sfa</i> exp, model, model/exp	<i>nISIs</i> exp, model, model/exp	<i>pss</i> (ms) exp, model, model/exp
DG Total Molecular Layer	-	50, 42	150, 367, 2.45	-	1, 1, 1*	-
	ASP.	75, 73	64.71, 96, 1.49	$y=0.142x+0.947,$ $y=0.142x+0.975,$ 1.01	5, 5, 1	99.06, 96.96, 0.98
	ASP.	100, 102	22.25, 64, 2.88	$y=0.114x+0.911,$ $y=0.082x+0.987,$ 0.90	9, 9, 1	52.97, 27.37, 0.52
	ASP.	200, 205	13.05, 33, 2.53	$y=0.056x+1.073,$ $y=0.032x+1.014,$ 0.76	19, 19, 1	18.67, 17.40, 0.93
CA1 Basket	NASP	150, 151	175.00, 141, 0.81	$y=0.000x+1.197,$ $y=0.000x+1.197,$ 1	2, 2, 1	210, 210.15, 1
	NASP	310, 316	4.97, 18.00, 3.62	$y=0.000x+2.080,$ $y=0.000x+1.165,$ 0.56	55, 55, 1	20.90, 0, 0
CA1 Trilaminar	RBS	-100, -100	770, 810, 1.05	-	1, 1, 1	-
	ASP.SLN	25, 23	50.73, 56.00, 1.1	$y=0.720x+1.000,$ $y=0.491x+1.000,$ 0.84	2, 2, 1	541.95, 542.17, 1
	ASP.	50, 46	14.49, 28, 1.93	$y=0.038x+1.340,$ $y=0.036x+1.006,$ 0.85	21, 21, 1	26.21, 24.59, 0.94
MEC LV-VI Pyramidal Polymorphic	D.NASP	unknown, 78	292.34, 292, 1	$y=0.000x+1.055,$ $y=0.000x+1.042,$ 0.99	5, 5, 1	40.00, 63.57, 1.59
	ASP.	200, 197	56.40, 56.00, 0.99	$y=0.036x+1.103,$ $y=0.030x+1.024,$ 0.88	18, 18, 1	23.70, 23.33, 0.98

*number of spikes is compared for single-spike traces