Figure	Cells	Animals	Average	S.E.M.	Statistics
Fig. 1e	37	8	25 µm (n=12): 0.53	0.05	One sample, two sided t-test (p=0.0000006)
			50 µm (n=9): 0.65	0.05	One sample, two sided t-test (p=0.00008)
			>50 µm (n=16): 0.93	0.05	One sample, two sided t-test (p=0.16)
Fig 2b (*in vivo*)	37	8	0.55 (amp)	0.04	
			0.68 (halfwidth)	0.02	
Fig 2b (slice)	6	3	0.62 (amp)	0.09	
			0.85 (halfwidth)	0.05	
Fig. 3c	29	20	41.92	3.49	
Fig 3e (-70 mV)	14	11	46.78	5.46	Two-sided paired t-test (p=0.69)
(-50 mV)	14	11	45.33	5.70	
Fig 3g	14	11	23.30	2.75	
Fig 3j (#0)	4	4	43.08	6.61	
(#1)	5	4	49.17	16.61	
(#2)	15	12	40.47	3.43	
Fig 3k (#0)	3	3	1.99	0.89	
(#1)	4	3	5.06	1.07	
(#2)	3	2	16.19	3.9	
Fig 4b (CTL)	5	3	66.37	8.69	
(NBQX)	5	3	0	0	
Fig 4d (Amp, CTL)	5	3	54.86	7.22	Two-sided paired t-test (p=0.02)
(Ampt, CTZ)	5	3	77.46	9.35	Two-sided paired t-test (p=0.06)
(width, CTL)	5	3	1.21	0.09	
(width, CTZ)	5	3	1.89	0.33	
Fig 4g (-70 mV)	6	5	-0.61	0.06	
(+30 mV)	5	4	0.27	0.03	
Fig 4j (-70 mV)	5	3	55.43	3.60	
(+30 mV)	5	3	-24.56	3.04	
Fig 6c (-50 mV)	7	3	-18.10	1.70	
	7	3	-10.00	1.64	
	7	3	23.95	3.26	
	7	3	28.80	3.76	
(-70 mV)	7	3	13.20	1.74	
	7	3	9.06	1.26	
	7	3	23.18	3.00	
	7	3	27.45	2.96	
Fig. 6e	7	4	1.89	0.06	
	7	4	1.28	0.03	
	7	4	0.56	0.03	
	7	4	0.53	0.42	
Fig 8f PC (Norm FR)	13	3	0.38	0.10	
DCN	21	3	5.15	1.12	
Thalamus	30	3	1.92	0.22	
Fig 8g PC (Latency)	13	3	1.99	0.10	
DCN	21	3	3.01	0.18	
Thalamus	30	3	5.46	0.29	
Fig 8h PC	13	3	1.76	0.29	
(Halfwidth)	21	3	3.52	0.70	
DCN	30	3	6.23	0.42	
Thalamus					
Extended Fig 3c (off)	9	2	12.32	3.09	
(on)	9	2	0	0	
Extended Fig. 4b	37	8	25 µm (n=12): 1.39	0.05	One sample, two sided t-test (p=0.00002)
					One sample, two sided t-test (p=0.000001)
			50 µm (n=9): 1.38	0.03	One sample t-test (p=0.08)
			>50 µm (n=16): 1.03	0.01	