

Table 1. Descriptive and nadir values for closed, first opening, and last opening duration histograms

ATP	Exp. no.	Closed Duration					First Opening Duration					Last Opening Duration				
		$t_{cs}$	$A_{cs}$	$t_{cl}$	$A_{cl}$	Nadir	$t_{os}$	$A_{os}$	$t_{ol}$	$A_{ol}$	Nadir	$t_{os}$	$A_{os}$	$t_{ol}$	$A_{ol}$	Nadir
1 mM	1002	1.61	0.98	1778.00	0.02	12.59-125.89	1.14	0.73	20.35	0.27	5.01	0.89	0.49	20.54	0.51	3.09
	1003	1.62	0.98	319.00	0.02	15.49-79.43	1.38	0.79	28.86	0.22	6.45	1.25	0.32	24.16	0.68	3.16
	1005	1.65	0.99	277.00	0.01	14.13-112.30	1.27	0.81	21.77	0.19	2.51	1.14	0.30	19.89	0.71	6.02
	1006	2.04	0.98	1963.00	0.02	16.22-158.49	0.86	0.82	34.88	0.18	5.75	0.86	0.30	33.30	0.70	2.04
	40103	2.64	0.99	2464.00	0.01	22.39-223.87	1.88	0.67	23.40	0.33	5.30	4.90	0.49	9.70	0.51	7.94
	40208	1.69	0.99	1789.00	0.01	12.59-100.89	1.30	0.93	11.00	0.07	7.58	0.90	0.44	7.40	0.56	2.00
	82601	1.15	0.99	556.73	0.01	10.00-63.10	0.85	0.93	35.00	0.07	5.62	0.98	0.19	13.79	0.81	1.41
	Mean	1.77	0.99	1306.68	0.01	15.07-136.73	1.24	0.81	22.18	0.19	5.60	1.56	0.36	18.40	0.64	3.67
SEM	0.19	0.00	319.87	0.00	1.58,20.14	0.14	0.04	4.78	0.04	0.63	0.71	0.05	4.16	0.05	1.17	
1 nM		$t_{cs}$	$A_{cs}$	$t_{cl}$	$A_{cl}$	Nadir	$t_{os}$	$A_{os}$	$t_{ol}$	$A_{ol}$	Nadir	$t_{os}$	$A_{os}$	$t_{ol}$	$A_{ol}$	Nadir
	7240	1.24	0.98	272.00	0.02	10.00-79.43	1.04	0.93	32.75	0.07	6.91	0.93	0.31	37.70	0.69	2.82
	8272	1.18	0.99	1064.00	0.01	10.0-251.20	0.82	0.92	138.78	0.08	6.30	0.76	0.40	22.20	0.60	2.51
	71200	1.25	0.99	2987.00	0.01	10.0-398.11	0.99	0.76	72.70	0.24	6.31	0.87	0.35	44.40	0.65	3.16
	71204	1.02	0.99	401.54	0.01	7.94-83.18	0.44	0.97	40.67	0.03	5.01	0.59	0.44	31.18	0.56	2.45
	82707	1.19	0.98	785.50	0.02	10.1-100.00	0.68	0.69	24.24	0.31	3.16	0.47	0.27	23.90	0.73	1.45
	Mean	1.18	0.98	1102.01	0.02	9.59-182.38	0.79	0.86	61.73	0.14	5.54	0.72	0.35	31.88	0.65	2.48
SEM	0.04	0.00	439.74	0.00	0.37,56.04	0.10	0.05	18.74	0.05	0.60	0.08	0.03	3.73	0.03	0.26	
0 mM		$t_{cs}$	$A_{cs}$	$t_{cl}$	$A_{cl}$	Nadir	$t_{os}$	$A_{os}$	$t_{ol}$	$A_{ol}$	Nadir	$t_{os}$	$A_{os}$	$t_{ol}$	$A_{ol}$	Nadir
	4202	1.90	0.99	3514.00	0.01	15.9-251.2	4.12	0.82	18.93	0.18	17.80	2.02	0.47	14.33	0.53	5.01
	40200	1.92	0.98	2925.00	0.02	15.85-158.49	3.34	0.67	13.87	0.33	10.00	2.07	0.31	18.90	0.69	3.24
	72405	2.16	0.94	564.30	0.06	19.95-251.19	1.05	0.24	20.07	0.76	2.00	1.24	0.27	19.80	0.73	2.51
	82707	1.72	0.98	2118.00	0.02	15.84-316.23	1.29	0.34	36.26	0.66	3.98	1.16	0.29	31.10	0.71	3.31
	82711	2.13	0.96	1102.00	0.04	16.98-199.53	14.00	0.92	111.00	0.08	79.00	2.92	0.34	28.29	0.66	5.60
	Mean	1.97	0.97	2044.66	0.03	16.89-235.33	4.76	0.60	40.03	0.40	22.56	1.88	0.34	22.48	0.66	3.93
SEM	0.07	0.01	490.69	0.01	0.71,23.86	2.13	0.12	16.22	0.12	12.86	0.29	0.03	2.79	0.03	0.52	

Each histogram was fit to two exponentials, short (s) and long (l), to closed (c) and open (o) events. "t" indicates time constant, and "A" indicates fractional contribution of each t. The closed-duration nadir is given as a range. Note that closed-duration histograms at 1 nM and 0 mM ATP were from multichannel patches and thus greatly underestimate the true closed duration for a single channel. However, they were of value in discriminating between the short and long closed durations.