

Parameter	Canonical Fit	Model ii Fit	Model iii Fit	Model iv Fit	Unit
$s_{\tau_b}$	0.62	1.38	1.65	1.07	ms
$s_{\tau_g}$	8.28	11.36	11.95	14.02	ms
$s_{\tau_h}$	10.29	11.36	9.71	9.62	ms
$s_{\tau_m}$	0.50	0.47	1.08	1.33	ms
$s_{\tau_n}$	6.56	9.69	7.18	6.35	ms
$s_{\tau_q}$	1.01	0.72	1.15	0.96	ms
$\sigma_{\tau_b}^1$	11.27	11.31	13.50	18.50	mV
$\sigma_{\tau_g}^1$	17.94	17.33	17.63	17.60	mV
$\sigma_{\tau_h}^1$	11.15	7.27	13.49	13.01	mV
$\sigma_{\tau_m}^1$	11.98	7.20	8.86	8.94	mV
$\sigma_{\tau_n}^1$	7.17	12.68	10.72	13.23	mV
$\sigma_{\tau_q}^1$	13.14	13.41	17.87	17.79	mV
$\sigma_{\tau_b}^2$	12.62	15.89	17.79	18.41	mV
$\sigma_{\tau_g}^2$	14.99	17.95	15.38	17.56	mV
$\sigma_{\tau_h}^2$	10.26	7.80	11.14	8.17	mV
$\sigma_{\tau_m}^2$	13.52	7.70	12.87	14.10	mV
$\sigma_{\tau_n}^2$	26.62	32.07	33.81	31.13	mV
$\sigma_{\tau_q}^2$	25.15	25.97	28.51	22.07	mV
$\sigma_{b\infty}$	11.55	15.12	16.80	12.37	mV
$\sigma_{g\infty}$	18.38	12.71	16.72	18.55	mV
$\sigma_{h\infty}$	9.48	9.03	8.51	6.92	mV
$\sigma_{m\infty}$	8.78	6.91	6.33	9.08	mV
$\sigma_{n\infty}$	12.05	12.99	11.33	18.22	mV
$\sigma_{q\infty}$	8.03	6.71	11.40	10.39	mV
$\theta_{b\infty}$	-67.10	-64.67	-67.86	-65.61	mV
$\theta_{g\infty}$	-106.52	-106.48	-102.24	-106.40	mV
$\theta_{h\infty}$	-85.67	-84.66	-76.30	-72.08	mV
$\theta_{m\infty}$	-55.85	-66.36	-58.86	-55.27	mV
$\theta_{n\infty}$	-52.16	-59.15	-56.39	-59.78	mV
$\theta_{q\infty}$	-41.48	-42.43	-33.52	-43.99	mV
$\theta_{\tau_b}$	-83.44	-96.35	-88.60	-94.56	mV
$\theta_{\tau_g}$	-82.37	-83.12	-77.18	-82.55	mV
$\theta_{\tau_h}$	-82.53	-76.68	-77.66	-84.61	mV
$\theta_{\tau_m}$	-77.87	-85.17	-72.28	-85.84	mV
$\theta_{\tau_n}$	-52.65	-59.64	-47.93	-49.18	mV
$\theta_{\tau_q}$	-47.45	-46.91	-44.41	-45.09	mV

Table S3: Gating Parameters for model fits. Canonical Model maps to Figure 1A, Model B-D maps to Figure 1B-D