

Table 5
Summary comparison of model parameter values in rods and cones.

	Parameters	Units	^a Cone	^b Rod
CNG channels	$^{min}K_{CG}$	μM	120.6 ± 9.3	28 ± 6
	$^{max}K_{CG}$	μM	316 ± 43	37 ± 8
	K_{Ca}	μM	0.863 ± 0.051	0.055 ± 0.013
	n_{CNG}		2.5	2.3
GRK	γ_{max}	$\mu\text{M/s}$	See Fig. 9	See Fig. 9
	μ_0	$\mu\text{M/s}$	0.5	
	ω_γ		0.1	
T	Ψ_0	1/s	231 ± 19	85 ± 17
	ω_{act}		0.69	
PDE	ϵ_{sub}	$\mu\text{M/s molecule}$	0.334 ± 0.091	0.00837
	k_{cat}	1/s	10×10^3	5×10^3
	α_{PDE}	1/s	See Fig. 9	See Fig. 9
GC	V_{GC}^{max}	$\mu\text{M/s}$	110.5	25.9 ± 2.9
	$^{GC}K_{Ca}$	μM	0.1	0.2
	n_{GC}		2	1.5
Ca ²⁺ influx	P_f		0.34	0.14
Ca ²⁺ buffer	K_{HA}	μM	0.052 ± 0.025	0.056 ± 0.017
	C_{HA}	μM	20.9 ± 12.9	7.3 ± 2.9
	B		11.5 ± 3.9	1.2 ± 0.4
Ca ²⁺ efflux	I_{NCKX}^{max}	pA	4.87 ± 1.88	18.2 ± 4.8
	K_{Ca}^{exc}	μM	0.019 ± 0.009	1.6

^a Striped bass single cones, mean \pm SD, $N = 18$.

^b Tiger salamander rods, mean \pm SD, $N = 9$.