MODULES	**RESPONSE CURVE**	**PARAMETER CONDITIONS**	**REFERENCE**
Multisite phosphorylation	Hill function (Hill coefficient n)	$\lambda_0 = \lambda_1 = ... = \lambda_{n-2} = \delta$ $\lambda_{n-1} = \delta^{1-n}$ $\delta \ll 1$	Gunawardena (2005)
		$S_{tot} \ll K_{Mmin}, K'_{Mmax}$ $E_{tot} \ll K_{Mmin}$ $P_{tot} \ll K'_{Mmin}$	Supplementary material, section B
Single site phosphorylation	Zero-order ultrasensitivity	$S_{tot} \gg E_{tot}, P_{tot}$ $K_M, K'_M \ll 1$	Goldbeter and Koshland (1981)
Double site phosphorylation	Bistable	$S_{tot} \gg E_{tot}, P_{tot}$ $K_{M1} = K_{M2} = K'_{M1} = K'_{M2}$ $\theta > \frac{(1+K_S)^2}{(1-2K_S)^2}$ $K_S > \frac{1}{2}$	Ortega et al. (2006)