Table S2

Parameter	Description	Value	Unit
k_1	On rate for binding of CheA3 and CheA4	100	(μMs- ¹)
k' ₁	On rate for binding of CheA3-P and CheA4	100	(μMs- ¹)
k_2	Off rate for binding of CheA3 and CheA4	10	s ⁻¹
k' ₂	Off rate for binding of CheA3-P and CheA4	10	s ⁻¹
k_5	K _{cat} for phosphorylation of CheA3 by CheA4	varied	s ⁻¹
k'5	K _{cat} for phosphorylation of CheA3 by CheA4	varied	s ⁻¹
k' ₆	CheA4/CheA3-P to CheY6 Phosphotransfer	0.775	(μMs) -1
k'' ₆	CheA4/CheA3-P to CheY6 Phosphotransfer	0.775	(μMs) -1
k_7	CheA3-P to CheY6 Reverse phosphotransfer	0.00283	(μMs) -1
k' ₇	CheA4/CheA3-P to CheY6 Reverse phosphotransfer	0.00283	(μMs) -1
k'' ₇	CheA4/CheA3-P to CheY6 Reverse phosphotransfer	0.00283	(μMs) -1