Table S1

Parameter	Description	Value	Unit
k ₉	Association of phosphatase (CheA3) assisted dephosphorylation complex	5.6	(μMs) ⁻¹
k ₁₂	Association of phosphatase (CheA3CheA4) assisted dephosphorylation complex	5.6	(μMs) ⁻¹
k ₁₅	Association of phosphatase (CheA3CheA4ATP) assisted dephosphorylation complex	5.6	(μMs) ⁻¹
k ₁₈	Association of phosphatase (CheA3-P) assisted dephosphorylation complex	5.6	(μMs) ⁻¹
k_{10}	Dissociation of phosphatase (CheA3) assisted dephosphorylation complex	0.04	s ⁻¹
k_{13}	Dissociation of phosphatase assisted (CheA3CheA4) dephosphorylation complex	0.04	s ⁻¹
k ₁₆	Dissociation of phosphatase (CheA3CheA4ATP) assisted dephosphorylation complex	0.04	s ⁻¹
k_{19}	Dissociation of phosphatase (CheA3-P) assisted dephosphorylation complex	0.04	s ⁻¹
k_{II}	K _{cat} for phosphatase (CheA3) assisted dephosphorylation	2.5	s ⁻¹
k_{14}	K _{cat} for phosphatase (CheA3CheA4) assisted dephosphorylation	2.5	s ⁻¹
k ₁₇	K _{cat} for phosphatase (CheA3CheA4ATP) assisted dephosphorylation	2.5	s ⁻¹
k_{20}	K _{cat} for phosphatase (CheA3-P) assisted dephosphorylation	2.5	s ⁻¹