

Total number of receptor monomers (base)	$T_{Tot,0}$	14400
Total number of CheR (base)	$R_{Tot,0}$	140
Total number of CheB (base)	$B_{Tot,0}$	240
Number of receptor dimers per MWC cluster	N	6
Basal free energy difference, active and inactive cluster	ϵ_0	6 (units of $k_B T$)
Free energy change per added methyl group	ϵ_l	1 (units of $k_B T$)
MeAsp dissociation constant, inactive Tar receptor	K	0.0182 mM
MeAsp dissociation constant, active Tar receptor	K^*	3 mM