

CheR catalytic rate	$k_r$	$2N (0.03 T_{Tot}/R_{Tot}) \text{ s}^{-1}$
CheB catalytic rate	$k_b$	$2N (0.03 T_{Tot}/B_{Tot}) \text{ s}^{-1}$
Tethered CheR modification site affinity	$K_r$	$0.43 T_{Tot}$
Tethered CheB modification site affinity	$K_b$	$0.3 T_{Tot}$