Table S3: List of reactions for small model of calmodulin binding and subunit opening to determine opening probability.

$\operatorname{calm} + \operatorname{open}$	\rightarrow	open-la
open-la	\rightarrow	$\operatorname{calm} + \operatorname{open}$
$\operatorname{calm} + \operatorname{closed}$	\rightarrow	closed-la
closed-la	\rightarrow	$\operatorname{calm} + \operatorname{closed}$
$\operatorname{calm} + \operatorname{open}$	\rightarrow	open-ha
open-ha	\rightarrow	$\operatorname{calm} + \operatorname{open}$
open-la	\rightarrow	open-ha
open-ha	\rightarrow	open-la
open	\rightarrow	closed
closed	\rightarrow	open

List of reactions for small model of calmodulin binding and subunit opening to determine opening probability. Here, "calm" denotes calmodulin, "closed" the closed form of a CaMKII subunit, "open" the open form, and "open-la", "closed-la" and "open-ha" denote the open or closed for of CaMKII bound to calmodulin at the low-affinity or high-affinity binding site, respectively.