

Simulation	Number of ions ¹		Total number of ions in the selectivity filter	R [‡]
	Ca ²⁺	K ⁺		
RyR1-WT CaCl ₂ /KCl ²	3.4	1.7	5.1	6.9
RyR1-WT CaCl ₂ /KCl ³	2.94 ± 0.45	1.13 ± 0.58	4.07 ± 0.95	11.31 ± 5.63

¹In the selectivity filter, which is the shaded region shown in Figure 3 and 5. [‡]Ratio of preferential occupancy of ion1 over ion2 normalized by total number of ions present in each species. ²Simulation with no vacuum above and below the simulation system. ³Simulations with 2 nm vacuum above and below the simulation system.