

Supplementary Table: Parameters of the simulated systems.

System	K150	K3000	K3000a	K3000b	Na150	Na3000	Na3000a	Na3000b
Atom number	319435	302890	397389	302890	323520	302890	397389	302890
Water molecules	99490	89184	119461	89184	99490	89184	119461	89184
Cation type	K ⁺	K ⁺	K ⁺	K ⁺	Na ⁺	Na ⁺	Na ⁺	Na ⁺
Ions number, cation/Cl	577/271	5723/5417	7557/7251	5723/5417	577/271	5723/5417	7557/7251	5723/5417
Cation concentration, mM	150	3000	3000	3000	150	3000	3000	3000
Distance to the box, nm	2	2	3	2	2	2	3	2
Time, μ s	1,37	0,92	0,94	0,16	0,88	0,80	0,93	0,16