

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: A 3 ns simulation of K^+ ions passing through a polymer pore. The polymer is shown as transparent material; negatively charged residues (COO^-) are shown in red (O) and cyan (C); K^+ ions are shown in pink. Cl^- and water are not shown. During the simulation, a voltage bias of 0.3 V nm^{-1} is applied along the pore axis.

File Name: Supplementary Movie 2

Description: A 3 ns simulation of Mg^{2+} ions passing through a polymer pore. The polymer is shown as transparent material; negatively charged residues (COO^-) are shown in red (O) and cyan (C); Mg^{2+} ions are shown in blue. Cl^- and water are not shown. During the simulation, a voltage bias of 0.3 V nm^{-1} is applied along the pore axis.