

## Supporting Information

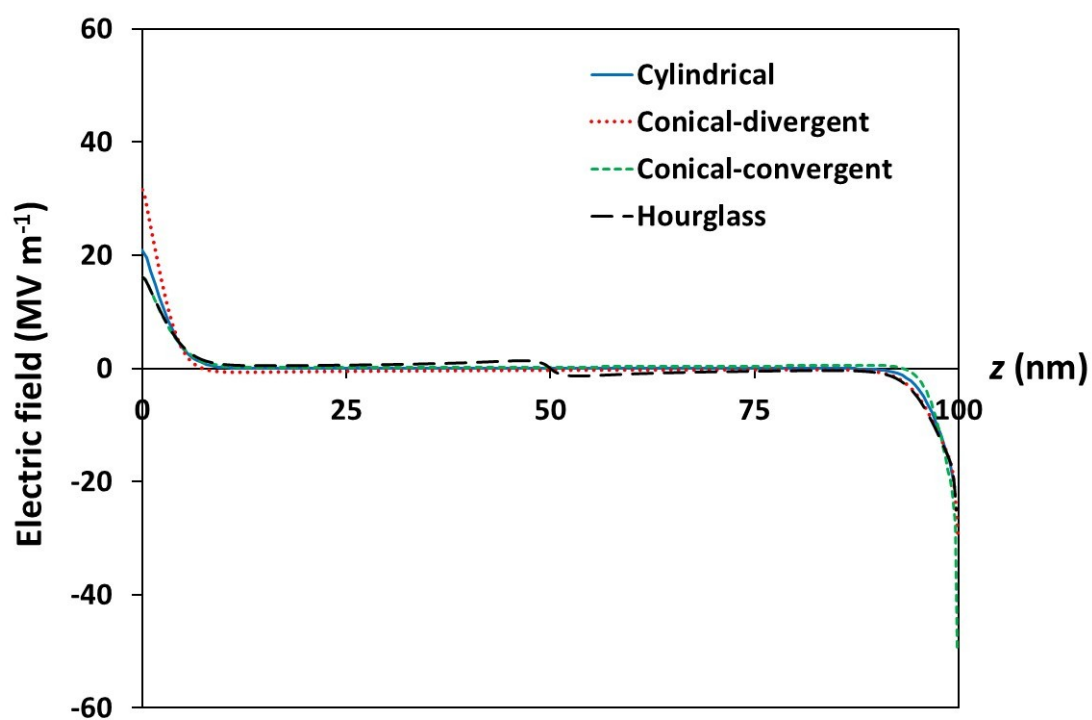
### Nanofiltration performance of conical and hourglass nanopores

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**Figure S1.** Axial profile of the electric field inside nanopores with different geometries. Simulations were carried out with pores A-D (see Table 1),  $\sigma = -1 \text{ mC m}^{-2}$  and a  $1 \text{ mEq L}^{-1}$   $\text{CaCl}_2$  feed solution.  $\Delta P$  was about 30 bar through the different nanopores.