

Supporting informations:

Fast and reversible functionalization of a single nanopore based on layer-by-layer polyelectrolyte self-assembly for tuning the current rectification and designing sensors

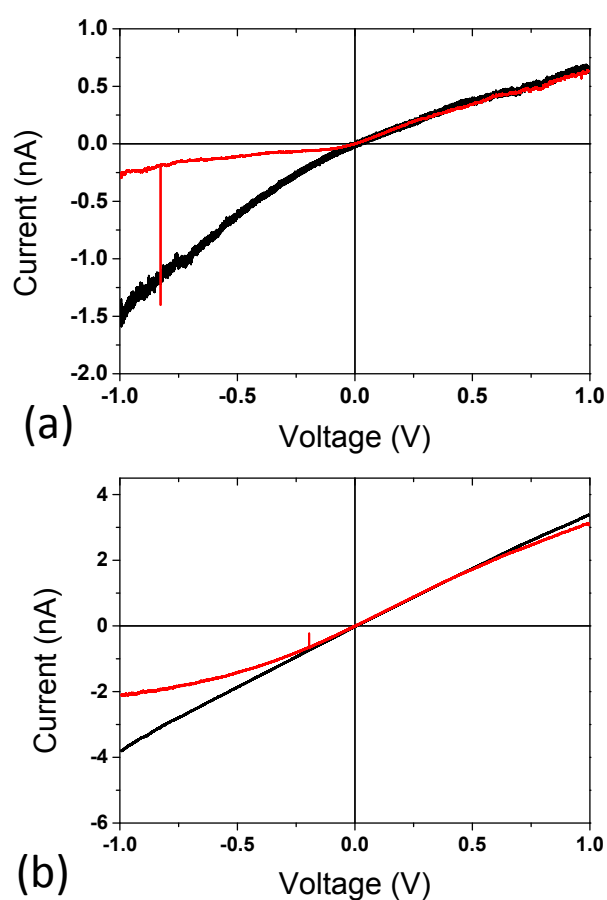


Figure SI-1. PLL adsorption on the conical nanopore: IV curve of before (black) and after PLL (red) loading for 3 different nanopores (a) NP-2 and (b) NP-3.

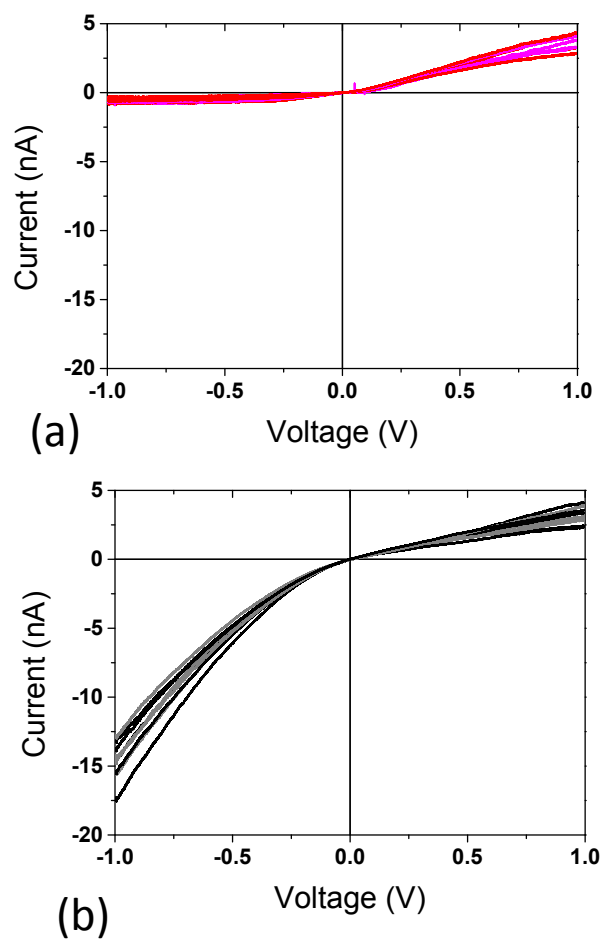


Figure SI-2. Reversibility of PLL functionalization of NP-1: I-V curves after (a) PLL adsorption and (b) desorption at pH 12.

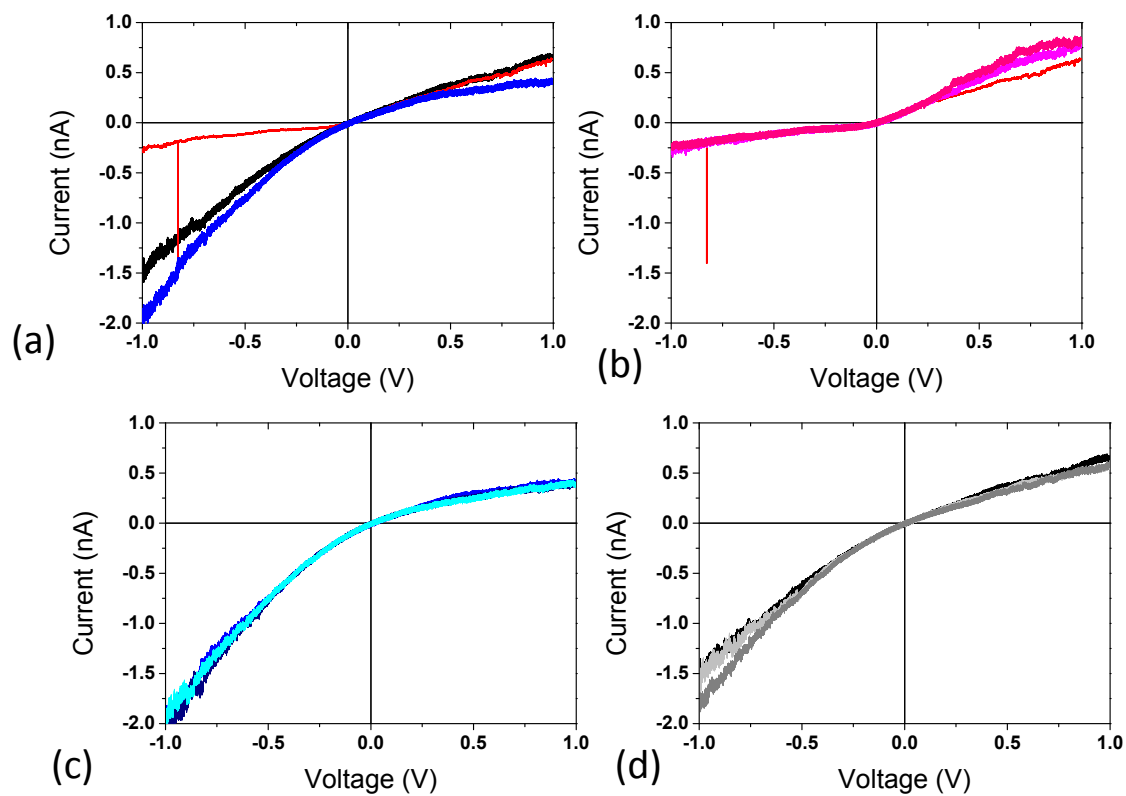


Figure SI-3. (a) PLL-PSS bilayer adsorption on NP2 Reversibility of PLL/PSS functionalisation of NP-2: IV curve after (b) PLL adsorption pH 8, (c) PSS adsorption pH 8 (d) PLL-PSS desorption pH 12