

## Supporting information

### Potentiometric titration based on the reference electrode equipped with ionic liquid salt bridge

#### 1. Precipitation titration of chloride with silver ions in water

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Potentiometric titration of  $0.01 \text{ mol dm}^{-3}$  NaCl with  $0.01 \text{ mol dm}^{-3}$  AgNO<sub>3</sub> recorded with Cell (I) (dots) and least-square fitting curves of five models ( $\gamma_i \equiv 1$ (black)), DHLL(green), Bates-Guggenheim(purple), Güntelberg(blue), and Davies(red).

