Alteration of Single-channel Gating by Permeant Ions

\[ \text{K}^+ \quad \text{HP}=-100 \text{ mV} \quad \text{TI}^+ \]

3 pA

50 ms
Permeant Ions Interact Strongly with the Selectivity Filter

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Jiang et al., Nature 423 (2003), 33-41
Jiang et al., Nature 423 (2003), 33-41
Jiang et al., Nature 423 (2003), 33-41
Model of Voltage-dependent Gating

Jiang et al., Nature 423 (2003), 42-48