

Supplementary material for the following article published in *Planta*

Title: A nitrate-permeable ion channel in the tonoplast of the moss *Physcomitrella patens*

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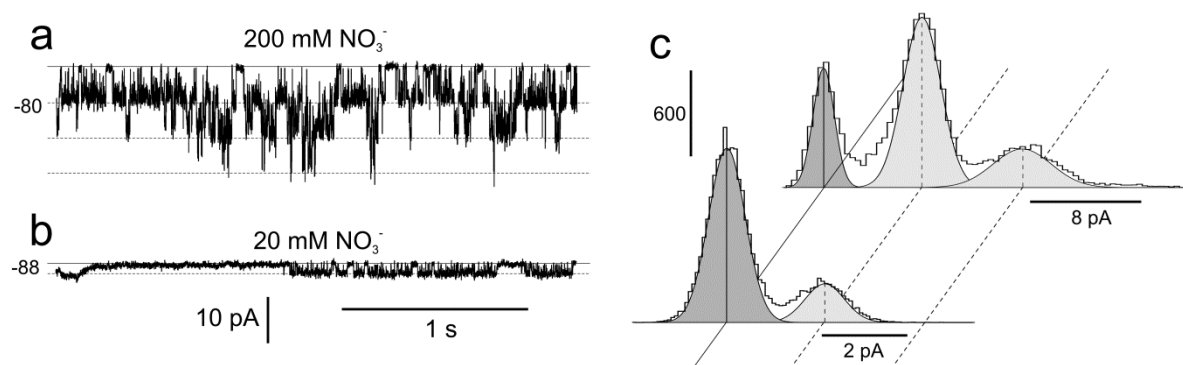
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Dependence of the channel activity on the cytoplasmic HNO_3 concentration. **a** Cytoplasm-out recordings obtained at -80 mV in 200 mM HNO_3 , 2 mM CaCl_2 , 2 mM MgCl_2 , pH 7 (buffered by 160 mM BTP) in the bath and 200 mM HNO_3 , 2 mM CaCl_2 , 2 mM MgCl_2 , pH 5 (buffered by MES/TRIS) in the pipette. **b** Cytoplasm-out recordings obtained at -88 mV after replacement of the bath solution with 20 mM HNO_3 , 2 mM CaCl_2 , 2 mM MgCl_2 , pH 7 (buffered by 16 mM BTP). **c** Amplitude histograms based on recordings from four patches obtained in conditions as in **a** (upper histogram), and **b** (lower histogram), respectively