Lysine300 is Essential for Stability but not for Electrogenic Transport of the *E. coli* NhaA Na^+/H^+ Antiporter

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Supplemental Figure S1

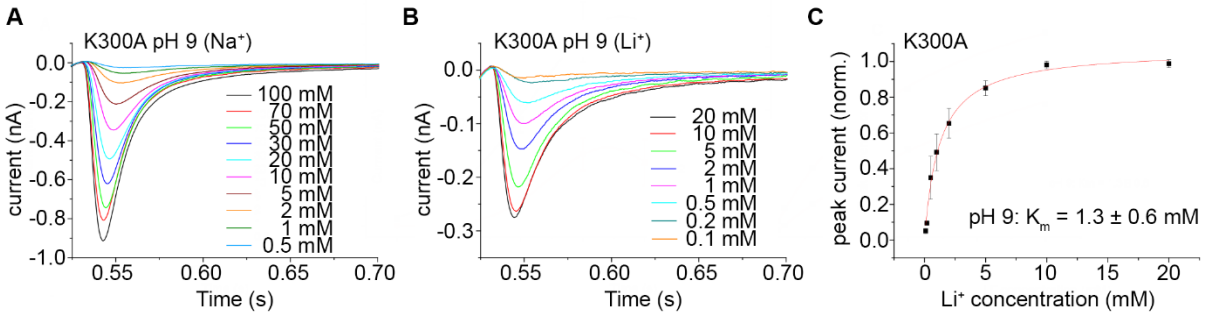

Figure S1. Na^+ and Li^+ concentration dependence of NhaA K300A assessed by SSM-based electrophysiology. A, Current traces generated by different Na^+ concentration jumps in the range 0.5 - 100 mM at pH 9. B, Current traces generated by Li^+ concentration jumps in the range 0.1 - 20 mM at pH 9. C, Li^+ dependence of transient current amplitudes recorded with Li^+ concentration jumps at pH 9. Data in A and B are representative from three replicates. Data in C were normalized to the maximum determined amplitude, fitted to a hyperbolic function and represent the average of three different recordings ± s.d.