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Tomoyuki Suzuki, Angela Hansen, Michael C. Sanguinetti

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Hydrophobic interactions between the S5 segment and the pore helix stabilizes the closed state of Slo2.1 potassium channels

Tomoyuki Suzuki^a, Angela Hansen^a, and Michael C. Sanguinetti^{a,b,*}

^a*Nora Eccles Harrison Cardiovascular Research and Training Institute, University of Utah, Salt Lake City, UT 84112, USA*

^b*Department of Internal Medicine, Division of Cardiovascular Medicine, University of Utah, Salt Lake City, UT 84112, USA*

Running title: *S5 segment and Slo2.1 Channel Gating*

Abbreviations: I_{c-rel} , constitutive I_{rel} ; I_{rel} , current normalized to that induced by 6 mM NFA; $I_{Slo2.1}$, Slo2.1 current; K_{Na} , Na^+ -activated K^+ ; NFA, niflumic acid; P_o , open probability; TEVC, two-electrode voltage clamp; V_t , test voltage; wt, wild-type

*Corresponding author at: Michael C. Sanguinetti, Nora Eccles Harrison Cardiovascular Research and Training Institute, University of Utah, 95 South 2000 East, Salt Lake City, UT 84112, USA

E-mail address: sanguinetti@cvrti.utah.edu

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