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**Comparison between mouse and sea urchin orthologs of voltage-gated proton channel suggests role of S3 segment in activation gating**

**Souhei Sakata<sup>1,2,4\*</sup>, Nana Miyawaki<sup>1</sup>, Thomas J. McCormack<sup>3,#</sup>,  
Hiroki Arima<sup>1</sup>, Akira Kawanabe<sup>1</sup>, Nurdan Özkucur<sup>1,6†</sup>, Tatsuki Kurokawa<sup>1,3‡</sup>,  
Yuka Jinno<sup>1</sup>, Yuichiro Fujiwara<sup>1</sup>, and Yasushi Okamura<sup>1,3,4,5</sup>**

<sup>1</sup>Lab. of Integrative Physiology, Department of Physiology, Graduate School of Medicine, Osaka University, Suita, Osaka 565-0871, Japan

<sup>2</sup>Institute of Academic Initiative, Osaka University, Suita, Osaka 565-0871, Japan

<sup>3</sup>Section of Developmental Neurophysiology, Okazaki Institute for Integrative Bioscience and National Institute for Physiological Sciences, <sup>4</sup>National Institute of Natural Sciences, Okazaki, Aichi, Japan

<sup>5</sup>Graduate School of Frontier Bioscience, Osaka University, Suita, Osaka 565-0871, Japan

<sup>6</sup>Department of Anatomy, Medical Theoretical Center, Technische Universität Dresden, Fetscherstrasse 74, 01307 Dresden, Germany

To whom correspondence should be addressed: Yasushi Okamura: Lab. of Integrative Physiology, Department of Physiology, Graduate School of Medicine, Osaka University, 2-2 Yamada-Oka, Suita, Osaka, 565-0871, Japan. TEL: 81-6-6879-3311

FAX: 81-6-6879-3319 E-mail: yokamura@phys2.med.osaka-u.ac.jp

Present addresses

\*Department of Physiology, Osaka Medical College, Takatsuki, Japan

† Tufts University, Advanced Integrated Circuits and Systems Lab, Department of Electrical and Computer Engineering, 161 College Avenue, Medford, Massachusetts 02155, USA.

‡Department of Synthetic Chemistry and Biological Chemistry, Kyoto University, Kyoto, Japan

# Arisan Therapeutics, 11189 Sorrento Valley, San Diego, CA, USA

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**Abbreviations:** HVCN1: hydrogen voltage-gated channel 1

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