www.elsevier.com/locate/developmentalbiology

Katanin-like protein Katnal2 is required for ciliogenesis and brain development in *Xenopus* embryos

Helen Rankin Willsey, Peter Walentek, Cameron R.T. Exner, Yuxiao Xu, Andrew B. Lane, Richard M. Harland, Rebecca Heald, Niovi Santama

PII: S0012-1606(18)30262-8
DOI: https://doi.org/10.1016/j.ydbio.2018.08.002
Reference: YDBIO7833

To appear in: *Developmental Biology*

Received date: 10 April 2018
Revised date: 5 August 2018
Accepted date: 5 August 2018

Cite this article as: Helen Rankin Willsey, Peter Walentek, Cameron R.T. Exner, Yuxiao Xu, Andrew B. Lane, Richard M. Harland, Rebecca Heald and Niovi Santama, Katanin-like protein Katnal2 is required for ciliogenesis and brain development in *Xenopus* embryos, *Developmental Biology,* https://doi.org/10.1016/j.ydbio.2018.08.002

Katanin-like protein Katnal2 is required for ciliogenesis and brain development in *Xenopus* embryos

Helen Rankin Willsey[2,3], Peter Walentek[2‡], Cameron R. T. Exner[3], Yuxiao Xu[2,3], Andrew B. Lane[2], Richard M. Harland[2], Rebecca Heald[2], and Niovi Santama[1*]

[1]Department of Biological Sciences, University of Cyprus, Cyprus
[2]Department of Molecular & Cell Biology, University of California, Berkeley, USA
[3]Department of Psychiatry, Weill Institute for Neurosciences, University of California, San Francisco, USA

[‡]Current affiliation: Renal Division, Department of Medicine, University Freiburg Medical Center, and Center for Biological Systems Analysis (ZBSA), University of Freiburg, Freiburg, Germany (email: peter.walentek@medizin.uni-freiburg.de)

*Address correspondence to Niovi Santama
Department of Biological Sciences, University of Cyprus, University Avenue 1,
1678 Nicosia, Cyprus
(Tel. +357-22-892881, Fax. +357-22-895095, e-mail: santama@ucy.ac.cy)

Key words: katnal2, cilia, neurogenesis, autism, katanin, *Xenopus*

Running title: Katnal2 in *Xenopus* development