

Accepted Manuscript

Amino acid-level signal-to-noise analysis of incidentally identified variants in genes associated with long QT syndrome during pediatric whole exome sequencing reflects background genetic noise

Andrew P. Landstrom, MD, PhD, Ernesto Fernandez, MD, Jill A. Rosenfeld, MS, Yaping Yang, PhD, Andrew L. Dailey-Schwartz, MD, MPH, Christina Y. Miyake, MD, Hugh D. Allen, MD, Daniel J. Penny, MD, PhD, Jeffrey J. Kim, MD

PII: S1547-5271(18)30142-5

DOI: [10.1016/j.hrthm.2018.02.031](https://doi.org/10.1016/j.hrthm.2018.02.031)

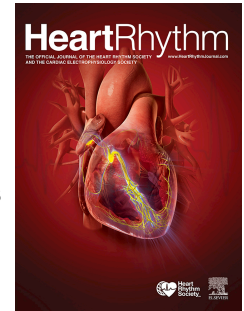
Reference: HRTM 7500

To appear in: *Heart Rhythm*

Received Date: 4 January 2018

Please cite this article as: Landstrom AP, Fernandez E, Rosenfeld JA, Yang Y, Dailey-Schwartz AL, Miyake CY, Allen HD, Penny DJ, Kim JJ, Amino acid-level signal-to-noise analysis of incidentally identified variants in genes associated with long QT syndrome during pediatric whole exome sequencing reflects background genetic noise, *Heart Rhythm* (2018), doi: 10.1016/j.hrthm.2018.02.031.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Amino acid-level signal-to-noise analysis of incidentally identified variants in genes associated with long QT syndrome during pediatric whole exome sequencing reflects background genetic noise

Running title: LQTS-associated variants in WES testing

Andrew P. Landstrom MD, PhD^{1*†}, Ernesto Fernandez MD^{1*}, Jill A. Rosenfeld MS², Yaping Yang PhD², Andrew L. Dailey-Schwartz MD, MPH¹, Christina Y. Miyake MD¹, Hugh D. Allen MD¹, Daniel J. Penny MD, PhD¹, Jeffrey J. Kim MD¹

¹ Department of Pediatrics, Section of Pediatric Cardiology, Baylor College of Medicine, Houston, Texas, United States

² Baylor Miraca Genetic Laboratories, Houston, Texas, United States

* APL and EF contributed equally and are co-equal first authors

† **Address for Correspondence:**

Andrew P. Landstrom, MD, PhD

Texas Children's Hospital

1102 Bates Avenue, Suite 430.09

Houston, TX 77030, United States

Email: landstro@bcm.edu

Phone: (832) 824-4122

Fax: (832) 825-0237

Download English Version:

<https://daneshyari.com/en/article/8660138>

Download Persian Version:

<https://daneshyari.com/article/8660138>

[Daneshyari.com](https://daneshyari.com)