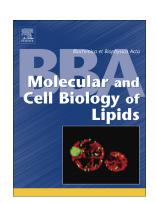
Accepted Manuscript

Genetic re-engineering of polyunsaturated phospholipid profile of Saccharomyces cerevisiae identifies a novel role for Cld1 in mitigating the effects of cardiolipin peroxidation

Wenjia Lou, Hsiu-Chi Ting, Christian jA. Reynolds, Yulia Y. Tyurina, Vladimir A. Tyurin, Yiran Li, Jiajia Ji, Wenxi Yu, Zhuqing Liang, Detcho A. Stoyanovsky, Tamil S. Anthonymuthu, Michael A. Frasso, Peter Wipf, Joel S. Greenberger, Hülya Bayir, Valerian E. Kagan, Miriam L. Greenberg



PII: S1388-1981(18)30139-2

DOI: doi:10.1016/j.bbalip.2018.06.016

Reference: BBAMCB 58321

To appear in: BBA - Molecular and Cell Biology of Lipids

Received date: 6 February 2018
Revised date: 11 June 2018
Accepted date: 14 June 2018

Please cite this article as: Wenjia Lou, Hsiu-Chi Ting, Christian jA. Reynolds, Yulia Y. Tyurina, Vladimir A. Tyurin, Yiran Li, Jiajia Ji, Wenxi Yu, Zhuqing Liang, Detcho A. Stoyanovsky, Tamil S. Anthonymuthu, Michael A. Frasso, Peter Wipf, Joel S. Greenberger, Hülya Bayir, Valerian E. Kagan, Miriam L. Greenberg, Genetic reengineering of polyunsaturated phospholipid profile of Saccharomyces cerevisiae identifies a novel role for Cld1 in mitigating the effects of cardiolipin peroxidation. Bbamcb (2018), doi:10.1016/j.bbalip.2018.06.016

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.

ACCEPTED MANUSCRIPT

Genetic re-engineering of polyunsaturated phospholipid profile of *Saccharomyces*cerevisiae identifies a novel role for Cld1 in mitigating the effects of cardiolipin peroxidation

Wenjia Lou¹¶, Hsiu-Chi Ting²¶, Christian A. Reynolds¹¶, Yulia Y. Tyurina^{2,3},

Vladimir A. Tyurin^{2,3}, Yiran Li¹, Jiajia Ji¹, Wenxi Yu¹, Zhuqing Liang¹, Detcho A. Stoyanovsky²,

Tamil S. Anthonymuthu^{3,6}, Michael A. Frasso⁵, Peter Wipf⁵, Joel S. Greenberger⁴, Hülya Bayir^{2,3,6}, Valerian E. Kagan^{2,3,5,7,8*}, and Miriam L. Greenberg^{1*}

¹Department of Biological Sciences, Wayne State University, Detroit, Michigan, United States

²Department of Environmental Health, ³Center for Free Radical and Antioxidant Health, ⁴Radiation Oncology, ⁵Chemistry, ⁶Critical Care Medicine, ⁷Pharmacology and Chemical Biology, University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ⁸Laboratory of Navigational Redox Lipidomics, and Department of Human Pathology, IM Sechenov Moscow State Medical University, Moscow, Russian Federation

* Corresponding authors

Miriam L. Greenberg

E-mail: mgreenberg@wayne.edu

Phone: (313) 577-5202

Address:

Department of Biological Sciences

4105 Biological Sciences Building

5047 Gullen Mall, Detroit, MI 48202

Valerian E. Kagan

E-mail: kagan@pitt.edu

Phone: (412) 624-9479

Address:

130 DeSoto Street

Parran Hall, Room 4120

Download English Version:

https://daneshyari.com/en/article/9954083

Download Persian Version:

https://daneshyari.com/article/9954083

<u>Daneshyari.com</u>