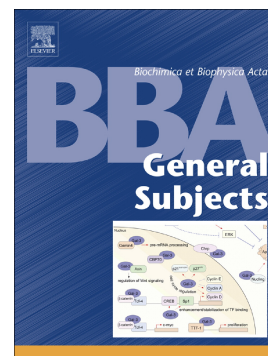


Accepted Manuscript

H/D exchange mass spectrometry and statistical coupling analysis reveal a role for Allostery in a Ferredoxin-dependent bifurcating transhydrogenase catalytic cycle

Luke Berry, Saroj Poudel, Monika Tokmina-Lukaszewska, Daniel R. Colman, Diep M.N. Nguyen, Gerrit J. Schut, Michael W.W. Adams, John W. Peters, Eric S. Boyd, Brian Bothner



PII: S0304-4165(17)30323-9
DOI: doi:[10.1016/j.bbagen.2017.10.002](https://doi.org/10.1016/j.bbagen.2017.10.002)
Reference: BBAGEN 28956

To appear in:

Received date: 3 May 2017
Revised date: 26 September 2017
Accepted date: 5 October 2017

Please cite this article as: Luke Berry, Saroj Poudel, Monika Tokmina-Lukaszewska, Daniel R. Colman, Diep M.N. Nguyen, Gerrit J. Schut, Michael W.W. Adams, John W. Peters, Eric S. Boyd, Brian Bothner, H/D exchange mass spectrometry and statistical coupling analysis reveal a role for Allostery in a Ferredoxin-dependent bifurcating transhydrogenase catalytic cycle. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Bbagen(2017), doi:[10.1016/j.bbagen.2017.10.002](https://doi.org/10.1016/j.bbagen.2017.10.002)

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.

H/D Exchange Mass Spectrometry and Statistical Coupling Analysis Reveal a Role for Allostery in a Ferredoxin-Dependent Bifurcating Transhydrogenase Catalytic Cycle

Luke Berry^a, Saroj Poudel^a, Monika Tokmina-Lukaszewska^a, Daniel R. Colman^a, Diep M.N. Nguyen^b, Gerrit J. Schut^b, Michael W. W. Adams^b, John W. Peters^c, Eric S. Boyd^a, Brian Bothner^a

^aMontana State University, Bozeman, MT 59717; ^bUniversity of Georgia, Athens, GA 30602;

^cWashington State University, Pullman, WA

Author Email: Lukeberry15@gmail.com (Luke Berry), saroz189@gmail.com (Saroj Poudel), tokminalukas@gmail.com (Monika Tokamina-Lukaszewska), daniel.colman@montana.edu (Daniel R. Colman), dinguyen@uga.edu (Diep M. N. Nguyen), gerti@uga.edu (Gerrit J. Schut), adams@bmb.uga.edu (Micheal W. W. Adams), john.peters@chemistry.montana.edu (Jown W. Peters), eboyd@montana.edu (Eric S. Boyd), bbothner@ montana.edu (Brian Bothner)

Download English Version:

<https://daneshyari.com/en/article/8300954>

Download Persian Version:

<https://daneshyari.com/article/8300954>

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