

Accepted Manuscript

PROTON GRADIENT REGULATION 5 contributes to ferredoxin-dependent cyclic phosphorylation in ruptured chloroplasts

Caijuan Wang, Hiroko Takahashi, Toshiharu Shikanai



PII: S0005-2728(18)30233-0
DOI: doi:[10.1016/j.bbabbio.2018.07.011](https://doi.org/10.1016/j.bbabbio.2018.07.011)
Reference: BBABIO 47959
To appear in: *BBA - Bioenergetics*
Received date: 22 May 2018
Revised date: 26 July 2018
Accepted date: 30 July 2018

Please cite this article as: Caijuan Wang, Hiroko Takahashi, Toshiharu Shikanai , PROTON GRADIENT REGULATION 5 contributes to ferredoxin-dependent cyclic phosphorylation in ruptured chloroplasts. Bbabio (2018), doi:[10.1016/j.bbabbio.2018.07.011](https://doi.org/10.1016/j.bbabbio.2018.07.011)

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.

PROTON GRADIENT REGULATION 5 contributes to ferredoxin-dependent cyclic phosphorylation in ruptured chloroplasts

Caijuan Wang^{1,3}, Hiroko Takahashi^{1,2,3} and Toshiharu Shikanai^{1,*}

¹Department of Botany, Graduate School of Science, Kyoto University, Kyoto, 606-8502 Japan

²Present address: Department of Biochemistry and Molecular Biology, Graduate School of Science and Engineering, Saitama University, Saitama 338-8570, Japan

³These authors contributed equally to this work.

*Corresponding author: E-mail, shikanai@pmg.bot.kyoto-u.ac.jp

Corresponding author: Toshiharu Shikanai

Department of Botany, Graduate School of Science, Kyoto University

Oiwake-cho, Kitashirakawa, Sakyo-ku, Kyoto 606-8502 Japan

TEL: +81-75-753-4247

FAX: +81-75-753-4257

e-mail: shikanai@pmg.bot.kyoto-u.ac.jp

Keywords: antimycin A, ATP synthesis, cyclic electron flow, NDH, PGR5, photosynthesis

Download English Version:

<https://daneshyari.com/en/article/8949257>

Download Persian Version:

<https://daneshyari.com/article/8949257>

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