

Accepted Manuscript

Effects of overproduced ethylene on the contents of other phytohormones and expression of their key biosynthetic genes

Weiqliang Li, Rie Nishiyama, Yasuko Watanabe, Chien Van Ha, Mikiko Kojima, Ping An, Lei Tian, Chunjie Tian, Hitoshi Sakakibara, Lam-Son Phan Tran



PII: S0981-9428(18)30213-4

DOI: [10.1016/j.plaphy.2018.05.013](https://doi.org/10.1016/j.plaphy.2018.05.013)

Reference: PLAPHY 5260

To appear in: *Plant Physiology and Biochemistry*

Received Date: 20 March 2018

Revised Date: 8 May 2018

Accepted Date: 8 May 2018

Please cite this article as: W. Li, R. Nishiyama, Y. Watanabe, C.V. Ha, M. Kojima, P. An, L. Tian, C. Tian, H. Sakakibara, L.-S.P. Tran, Effects of overproduced ethylene on the contents of other phytohormones and expression of their key biosynthetic genes, *Plant Physiology et Biochemistry* (2018), doi: 10.1016/j.plaphy.2018.05.013.

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.

1 **Effects of overproduced ethylene on the contents of other phytohormones and**
2 **expression of their key biosynthetic genes**

3

4 Weiqiang Li^a, Rie Nishiyama^a, Yasuko Watanabe^a, Chien Van Ha^a, Mikiko Kojima^b, Ping An^c,
5 Lei Tian^d, Chunjie Tian^d, Hitoshi Sakakibara^b, Lam-Son Phan Tran^{e,*}

6 ^aStress Adaptation Research Unit, RIKEN Center for Sustainable Resource Science, 1-7-22,
7 Suehiro-cho, Tsurumi, Yokohama 230-0045, Japan

8 ^bPlant Productivity Systems Research Group, RIKEN Center for Sustainable Resource
9 Science, 1-7-22, Suehiro-cho, Tsurumi, Yokohama 230-0045, Japan

10 ^cArid Land Research Center, Tottori University, 1390 Hamasaka, Tottori 680-0001, Japan

11 ^dKey Laboratory of Mollisols Agroecology, Northeast Institute of Geography and
12 Agroecology, Chinese Academy of Sciences, 4888, Shengbei Street, Changchun 130102,
13 China

14 ^ePlant Stress Research Group & Faculty of Applied Sciences, Ton Duc Thang University, Ho
15 Chi Minh City, Vietnam; Stress Adaptation Research Unit, RIKEN Center for Sustainable
16 Resource Science, 1-7-22, Suehiro-cho, Tsurumi, Yokohama 230-0045, Japan.

17

18 ***Corresponding author:**

19 Lam-Son Phan Tran

20 Plant Stress Research Group & Faculty of Applied Sciences, Ton Duc Thang University, Ho
21 Chi Minh City, Vietnam; Stress Adaptation Research Unit, RIKEN Center for Sustainable
22 Resource Science, 1-7-22, Suehiro-cho, Tsurumi, Yokohama 230-0045, Japan.

23 *Email addresses:* sontran@tdt.edu.vn; son.tran@riken.jp (L.-S. P. Tran)

24

Download English Version:

<https://daneshyari.com/en/article/8352918>

Download Persian Version:

<https://daneshyari.com/article/8352918>

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