

Accepted Manuscript

Title: Enhanced anthocyanin accumulation confers increased growth performance in plants under low nitrate and high salt stress conditions owing to active modulation of nitrate metabolism

Authors: Hai An Truong, Won Je Lee, Chan Young Jeong, Cao Snulln Trnullnh, Seokjin Lee, Chon-Sik Kang, Young-Keun Cheong, Suk-Whan Hong, Hojoung Lee

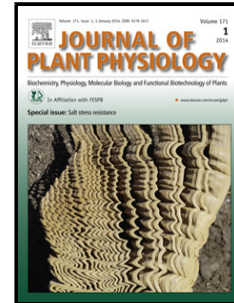
PII: S0176-1617(18)30566-2
DOI: <https://doi.org/10.1016/j.jplph.2018.08.015>
Reference: JPLPH 52835

To appear in:

Received date: 17-2-2018
Revised date: 30-8-2018
Accepted date: 31-8-2018

Please cite this article as: Truong HA, Lee WJ, Jeong CY, Trx lecb;nh CS, Lee S, Kang C-Sik, Cheong Y-Keun, Hong S-Whan, Lee H, Enhanced anthocyanin accumulation confers increased growth performance in plants under low nitrate and high salt stress conditions owing to active modulation of nitrate metabolism, *Journal of Plant Physiology* (2018), <https://doi.org/10.1016/j.jplph.2018.08.015>

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.



Enhanced anthocyanin accumulation confers increased growth performance in plants under low nitrate and high salt stress conditions owing to active modulation of nitrate metabolism

Hai An Truong^a, Won Je Lee^a, Chan Young Jeong^{a,b}, Cao Sơn Trịnh^a, Seokjin Lee^a, Chon-Sik Kang^c, Young-Keun Cheong^c, Suk-Whan Hong^{d,*} and Hojoung Lee^{a,b,*}

^aDepartment of Biosystems and Biotechnology, College of Life Sciences and Biotechnology, Korea University, Anam-dong 5-ga, Seongbuk-gu, Seoul 02841, Republic of Korea.

^bInstitute of Life Science and Natural Resources, Korea University, Seoul 02841, Republic of Korea.

^cCrop Breeding Division, National Institute of Crop Science, RDA, Wanju, 55365, Korea, Republic of Korea

^dDepartment of Molecular Biotechnology, College of Agriculture and Life Sciences, Bioenergy Research Center, Chonnam National University, Gwangju, 61186, Republic of Korea.

*Corresponding authors:

Hojoung Lee (lhojoung@korea.ac.kr): Phone: +82-2-3290-3006; Fax: +82-2-3290-3508

Suk-Whan Hong (sukwhan@chonnam.ac.kr): Phone: +82-62-530-2180; Fax: +82-62-530-2181

Download English Version:

<https://daneshyari.com/en/article/10148171>

Download Persian Version:

<https://daneshyari.com/article/10148171>

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