### **Accepted Manuscript**

Overexpression of *PtABCC1* contributes to mercury tolerance and accumulation in *Arabidopsis* and poplar

Liping Sun, Yifeng Ma, Huihong Wang, Weipeng Huang, Xiaozhu Wang, Li Han, Wanmei Sun, Ergin Han, Bangjun Wang

PII: S0006-291X(18)30364-4

DOI: 10.1016/j.bbrc.2018.02.133

Reference: YBBRC 39498

To appear in: Biochemical and Biophysical Research Communications

Received Date: 13 February 2018

Accepted Date: 15 February 2018

Please cite this article as: L. Sun, Y. Ma, H. Wang, W. Huang, X. Wang, L. Han, W. Sun, E. Han, B. Wang, Overexpression of *PtABCC1* contributes to mercury tolerance and accumulation in *Arabidopsis* and poplar, *Biochemical and Biophysical Research Communications* (2018), doi: 10.1016/j.bbrc.2018.02.133.

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

## Overexpression of *PtABCC1* contributes to mercury tolerance

Li Han, Wanmei Sun, Erqin Han, Bangjun Wang*  Key Laboratory of Eco-Environments in Three Gorges Reservoir Region  (Ministry of Education), College of Life Sciences, Southwest University,  Chongqing 400715, China  These authors contributed equally to this work.  **Corresponding author.  E-mail address: bangjunwang@swu.edu.cn (B. Wang).  E-mail address: bangjunwang@swu.edu.cn (B. Wang).	2	and accumulation in Arabidopsis and poplar
Li Han, Wanmei Sun, Erqin Han, Bangjun Wang*  Key Laboratory of Eco-Environments in Three Gorges Reservoir Region  (Ministry of Education), College of Life Sciences, Southwest University,  Chongqing 400715, China  These authors contributed equally to this work.  **Corresponding author.  E-mail address: bangjunwang@swu.edu.cn (B. Wang).  E-mail address: bangjunwang@swu.edu.cn (B. Wang).	3	
Key Laboratory of Eco-Environments in Three Gorges Reservoir Region (Ministry of Education), College of Life Sciences, Southwest University, Chongqing 400715, China  10 11 12 1 These authors contributed equally to this work. 13  * Corresponding author. E-mail address: bangjunwang@swu.edu.cn (B. Wang). 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 31 32 33	4	Liping Sun <sup>1</sup> , Yifeng Ma <sup>1</sup> , Huihong Wang, Weipeng Huang, Xiaozhu Wang,
Key Laboratory of Eco-Environments in Three Gorges Reservoir Region (Ministry of Education), College of Life Sciences, Southwest University, Chongqing 400715, China  10 11 12 1 These authors contributed equally to this work. 13  * Corresponding author. E-mail address: bangjunwang@swu.edu.cn (B. Wang). 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 31 32 33	5	Li Han, Wanmei Sun, Ergin Han, Bangjun Wang*
Key Laboratory of Eco-Environments in Three Gorges Reservoir Region  (Ministry of Education), College of Life Sciences, Southwest University,  Chongqing 400715, China  10  11  1 These authors contributed equally to this work.  * Corresponding author.  E-mail address: bangjunwang@swu.edu.cn (B. Wang).  16  17  18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	6	
(Ministry of Education), College of Life Sciences, Southwest University, Chongqing 400715, China  Chongqing 400715, China  These authors contributed equally to this work.  * Corresponding author. E-mail address: bangjunwang@swu.edu.cn (B. Wang).  E-mail address: bangjunwang@swu.edu.cn (B. Wang).		Key Laboratory of Eco-Environments in Three Gorges Reservoir Region
Chongqing 400715, China  Chongqing 400715, China  These authors contributed equally to this work.  These authors contributed equally to this work.  Corresponding author.  E-mail address: bangjunwang@swu.edu.cn (B. Wang).  E-mail address: bangjunwang@swu.edu.cn (B. Wang).		
10 11 12 1 These authors contributed equally to this work.  13  * Corresponding author.  E-mail address: bangjunwang@swu.edu.cn (B. Wang).  16  17  18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33		
11 12 1 These authors contributed equally to this work.  13 14 * Corresponding author.  E-mail address: bangjunwang@swu.edu.cn (B. Wang).  16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33		Chongqing 4007 15, China
12    1 These authors contributed equally to this work.  13    * Corresponding author.  E-mail address: bangjunwang@swu.edu.cn (B. Wang).  16    17    18    19    20    21    22    23    24    25    26    27    28    29    30    31    32    33	10	
* Corresponding author.  E-mail address: bangjunwang@swu.edu.cn (B. Wang).  E-mail address: bangjunwang@swu.edu.cn (B. Wang).  E-mail address: bangjunwang@swu.edu.cn (B. Wang).	11	
* Corresponding author.  E-mail address: bangjunwang@swu.edu.cn (B. Wang).  E-mail address: bangjunwang@swu.edu.cn (B. Wang).	12	<sup>1</sup> These authors contributed equally to this work.
E-mail address: bangjunwang@swu.edu.cn (B. Wang).  E-mail address: bangjunwang@swu.edu.cn (B. Wang).  E-mail address: bangjunwang@swu.edu.cn (B. Wang).	13	
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	14	* Corresponding author.
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 31 32 33	15	E-mail address: bangjunwang@swu.edu.cn (B. Wang).
18 19 20 21 22 23 24 25 26 27 28 29 30 31 31 32 33	16	
19 20 21 22 23 24 25 26 27 28 29 30 31 31 32 33	17	
20 21 22 23 24 25 26 27 28 29 30 31 32 33		
21 22 23 24 25 26 27 28 29 30 31 31 32 33		
23 24 25 26 27 28 29 30 31 32 33		
24 25 26 27 28 29 30 31 32 33	22	
25 26 27 28 29 30 31 32 33	23	
26 27 28 29 30 31 32 33		
27 28 29 30 31 32 33		
28 29 30 31 32 33		
<ul> <li>29</li> <li>30</li> <li>31</li> <li>32</li> <li>33</li> </ul>		
31 32 33		
32 33	30	
33	31	
2/1		
35	34 35	

#### Download English Version:

# https://daneshyari.com/en/article/8293790

Download Persian Version:

https://daneshyari.com/article/8293790

<u>Daneshyari.com</u>