

# Accepted Manuscript

Comparative transcriptomic analysis of the roots of intercropped peanut and maize reveals novel insights into peanut iron nutrition

Jing Dai, Wei Qiu, Nanqi Wang, Hiromi Nakanishi, Yuanmei Zuo



PII: S0981-9428(18)30182-7

DOI: [10.1016/j.plaphy.2018.04.024](https://doi.org/10.1016/j.plaphy.2018.04.024)

Reference: PLAPHY 5229

To appear in: *Plant Physiology and Biochemistry*

Received Date: 18 December 2017

Revised Date: 21 April 2018

Accepted Date: 21 April 2018

Please cite this article as: J. Dai, W. Qiu, N. Wang, H. Nakanishi, Y. Zuo, Comparative transcriptomic analysis of the roots of intercropped peanut and maize reveals novel insights into peanut iron nutrition, *Plant Physiology et Biochemistry* (2018), doi: 10.1016/j.plaphy.2018.04.024.

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 **Abbreviations:** Fe, iron; SSH, suppression subtractive hybridization; ACC,  
2 aminocyclopropane-1-carboxylic acid synthase; MAs, mugineic acid family  
3 phytosiderophores; TOM1, transporter of mugineic acid 1; YS1, yellow stripe 1  
4 transporter; NRAMP, natural resistance-associated macrophage protein; Zn, zinc; P,  
5 phosphorus; K, potassium; DMT, divalent metal ion transporter genes; Cd, cadmium;  
6 M, monocropping; I, intercropping; MTP, metal tolerance protein; Cu, copper;  
7 NRT/PRT, peptide/nitrate transporter; IAA, Indole-3-acetic acid; ABA, abscisic acid;  
8 OPTs, oligopeptide transporters; GSH, glutathione; ABC, ATP-binding cassette  
9 transporter; ERFs, ethylene-response factors; JA, jasmonic acid; JAs, jasmonates; GO,  
10 gene ontology  
11

Download English Version:

<https://daneshyari.com/en/article/8353200>

Download Persian Version:

<https://daneshyari.com/article/8353200>

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