

Accepted Manuscript

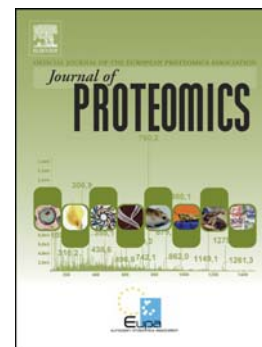
Actin depolymerization-induced changes in proteome of Arabidopsis roots

Tomáš Takáč, Slávka Bekešová, Jozef Šamaj

PII: S1874-3919(16)30251-2
DOI: doi: [10.1016/j.jprot.2016.06.010](https://doi.org/10.1016/j.jprot.2016.06.010)
Reference: JPROT 2588

To appear in: *Journal of Proteomics*

Received date: 31 March 2016
Revised date: 27 May 2016
Accepted date: 11 June 2016



Please cite this article as: Takáč Tomáš, Bekešová Slávka, Šamaj Jozef, Actin depolymerization-induced changes in proteome of Arabidopsis roots, *Journal of Proteomics* (2016), doi: [10.1016/j.jprot.2016.06.010](https://doi.org/10.1016/j.jprot.2016.06.010)

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.

Actin depolymerization-induced changes in proteome of Arabidopsis roots

Tomáš Takáč, Slávka Bekešová, Jozef Šamaj*

¹ Centre of the Region Haná for Biotechnological and Agricultural Research, Faculty of Science,
Palacký University, Šlechtitelů 27, 783 71 Olomouc, Czech Republic

*Corresponding author:

Jozef Šamaj

Centre of the Region Haná for Biotechnological and Agricultural Research

Faculty of Science

Palacký University

Šlechtitelů 11

783 71 Olomouc

Czech Republic

E-mail: jozef.samaj@upol.cz

phone: 00420585634978

Abstract

Actin cytoskeleton is a vital cellular structure primarily known for controlling cell integrity, division and expansion. Here we present a proteomic dissection of Arabidopsis roots treated by actin depolymerizing agent latrunculin B. Pharmacological disintegration of the actin cytoskeleton by latrunculin B caused downregulation of several proteins involved in the actin organization and dynamics. Moreover, this approach helped to identify new protein candidates

Download English Version:

<https://daneshyari.com/en/article/5138686>

Download Persian Version:

<https://daneshyari.com/article/5138686>

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