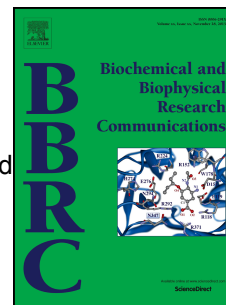


# Accepted Manuscript

Molecular evidence for the coordination of nitrogen and carbon metabolisms, revealed by a study on the transcriptional regulation of the *agl3EFG* operon that encodes a putative carbohydrate transporter in *Streptomyces coelicolor*

Xu-Feng Cen, Jing-Zhi Wang, Guo-Ping Zhao, Ying Wang, Jin Wang



PII: S0006-291X(16)30233-9

DOI: [10.1016/j.bbrc.2016.02.044](https://doi.org/10.1016/j.bbrc.2016.02.044)

Reference: YBBRC 35347

To appear in: *Biochemical and Biophysical Research Communications*

Received Date: 2 February 2016

Accepted Date: 12 February 2016

Please cite this article as: X.-F. Cen, J.-Z. Wang, G.-P. Zhao, Y. Wang, J. Wang, Molecular evidence for the coordination of nitrogen and carbon metabolisms, revealed by a study on the transcriptional regulation of the *agl3EFG* operon that encodes a putative carbohydrate transporter in *Streptomyces coelicolor*, *Biochemical and Biophysical Research Communications* (2016), doi: 10.1016/j.bbrc.2016.02.044.

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.

**Molecular evidence for the coordination of nitrogen and carbon metabolisms, revealed by a study on the transcriptional regulation of the *agl3EFG* operon that encodes a putative carbohydrate transporter in *Streptomyces coelicolor***

**Running title: GlnR regulates carbon metabolism**

Xu-Feng CEN<sup>1</sup>, Jing-Zhi WANG<sup>1</sup>, Guo-Ping ZHAO<sup>1,2,3,4</sup>, Ying WANG<sup>1,\*</sup>, Jin WANG<sup>1,\*</sup>

1, CAS Key Laboratory of Synthetic Biology, Institute of Plant Physiology and Ecology, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, Shanghai 200032, China;

2, State Key Laboratory of Genetic Engineering, Department of Microbiology and Microbial Engineering, School of Life Sciences, Fudan University, Shanghai 200433, China;

3, Shanghai-MOST Key Laboratory for Health and Disease Genomics, Chinese National Human Genome Center, Shanghai 201203, China;

4, Department of Microbiology and Li Ka Shing Institute of Health Sciences, Prince of Wales Hospital, the Chinese University of Hong Kong, Shatin, New Territories, Hong Kong SAR, China

\*, Correspondence author should be addressed to Ying Wang (ying.wang@tju.edu.cn) or Jin Wang (jinwang@sibs.ac.cn), 300 Fenglin Road, Shanghai 200032, China. Tel: +86-21-54971125; Fax: +86-21-54924015.

Download English Version:

<https://daneshyari.com/en/article/10748333>

Download Persian Version:

<https://daneshyari.com/article/10748333>

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