Accepted Manuscript

Profiling of secondary metabolite gene clusters regulated by LaeA in *Aspergillus niger* FGSC A1279 based on genome sequencing and transcriptome analysis

Bin Wang, Yangyong Lv, Xuejie Li, Yiying Lin, Hai Deng, Li Pan

PII: S0923-2508(17)30168-7

DOI: 10.1016/j.resmic.2017.10.002

Reference: RESMIC 3621

To appear in: Research in Microbiology

Received Date: 12 May 2017

Revised Date: 7 October 2017 Accepted Date: 11 October 2017

Please cite this article as: B. Wang, Y. Lv, X. Li, Y. Lin, H. Deng, L. Pan, Profiling of secondary metabolite gene clusters regulated by LaeA in *Aspergillus niger* FGSC A1279 based on genome sequencing and transcriptome analysis, *Research in Microbiologoy* (2017), doi: 10.1016/j.resmic.2017.10.002.

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	For publication
2	Profiling of secondary metabolite gene clusters regulated by LaeA in
3	Aspergillus niger FGSC A1279 based on genome sequencing and
4	transcriptome analysis
5	Bin Wang a, c#, Yangyong Lva, Xuejie Lia, Yiying Lina, Hai Denga, b, Li Pana, c*
6	^a School of Biology and Biological Engineering, South China University of Technology,
7	No.382 Waihuan East Rd, Guangzhou Higher Education Mega Center, Guangzhou, 510006,
8	China
9	^b Marine Biodiscovery Centre, Department of Chemistry, University of Aberdeen, Meston
10	Walk, Aberdeen AB24 3UE, Scotland UK
11	^c Guangdong Provincial Key Laboratory of Fermentation and Enzyme Engineering, South
12	China University of Technology, Guangzhou 510006, China
13	
14	
15 16 17 18 19 20 21 22 23 24	*These authors contributed equally to this work. E-mail address of each author Bin Wang: btbinwang@scut.edu.cn Yangyong Lv: happy123488@163.com Xuejie Li: 1923206986@qq.com Yiying Lin: 419106557@qq.com Hai Deng: h.deng@abdn.ac.uk Li Pan: btlipan@scut.edu.cn (Correspondence and reprints)
26	Abstract
27	The global regulator LaeA controls the production of many fungal secondary
28	metabolites, possibly via chromatin remodeling. Here we aimed to survey the
29	secondary metabolite profile regulated by LaeA in Aspergillus niger FGSC A1279 by
30	genome sequencing and comparative transcriptomics between the laeA deletion

Download English Version:

https://daneshyari.com/en/article/8842877

Download Persian Version:

https://daneshyari.com/article/8842877

<u>Daneshyari.com</u>