### Accepted Manuscript

Engineering and adaptive evolution of Escherichia coli W for L-lactic acid fermentation from molasses and corn steep liquor without additional nutrients

Yongze Wang, Kunpeng Li, Feng Huang, Jinhua Wang, Jinfang Zhao, Xiao Zhao, Erin Garza, Ryan Manow, Scot Grayburn, Shengde Zhou

PII: S0960-8524(13)01365-5

DOI: http://dx.doi.org/10.1016/j.biortech.2013.08.114

Reference: BITE 12313

To appear in: Bioresource Technology

Received Date: 10 May 2013 Revised Date: 16 August 2013 Accepted Date: 19 August 2013



Please cite this article as: Wang, Y., Li, K., Huang, F., Wang, J., Zhao, J., Zhao, X., Garza, E., Manow, R., Grayburn, S., Zhou, S., Engineering and adaptive evolution of Escherichia coli W for L-lactic acid fermentation from molasses and corn steep liquor without additional nutrients, *Bioresource Technology* (2013), doi: http://dx.doi.org/10.1016/j.biortech.2013.08.114

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**

# Engineering and adaptive evolution of $Escherichia\ coli\ W$ for L-lactic acid fermentation from molasses and corn steep liquor without additional nutrients

Yongze Wang<sup>1</sup>, Kunpeng Li<sup>1</sup>, Feng Huang<sup>1</sup>, Jinhua Wang<sup>1\*</sup>, Jinfang Zhao<sup>1</sup>, Xiao Zhao<sup>1</sup>, Erin Garza<sup>1,2</sup>, Ryan Manow<sup>2</sup>, Scot Grayburn<sup>2</sup>, and Shengde Zhou<sup>1,2\*</sup>

<sup>&</sup>lt;sup>1)</sup> Hubei Provincial Cooperative Innovation Center of Industrial Fermentation, Key Laboratory of Fermentation Engineering (Ministry of Education), College of Bioengineering, Hubei University of Technology, Wuhan, 430068, P. R. China

<sup>&</sup>lt;sup>2)</sup> Department of Biological Sciences, Northern Illinois University, DeKalb, IL 60115, USA

<sup>\*</sup> Corresponding authors. Tel: +86-13971203423, and 1-815-753-7842; Email: wangjinhua@mail.hbut.edu.cn and szhou@niu.edu

#### Download English Version:

# https://daneshyari.com/en/article/7080159

Download Persian Version:

https://daneshyari.com/article/7080159

Daneshyari.com