

Accepted Manuscript

Butyric acid production from lignocellulosic biomass hydrolysates by engineered *Clostridium tyrobutyricum* overexpressing xylose catabolism genes for glucose and xylose co-utilization

Hongxin Fu, Shang-Tian Yang, Mingqi Wang, Jufang Wang, I-Ching Tang

PII: S0960-8524(17)30345-0

DOI: <http://dx.doi.org/10.1016/j.biortech.2017.03.073>

Reference: BITE 17777

To appear in: *Bioresource Technology*

Received Date: 27 January 2017

Revised Date: 8 March 2017

Accepted Date: 10 March 2017

Please cite this article as: Fu, H., Yang, S-T., Wang, M., Wang, J., Tang, I-C., Butyric acid production from lignocellulosic biomass hydrolysates by engineered *Clostridium tyrobutyricum* overexpressing xylose catabolism genes for glucose and xylose co-utilization, *Bioresource Technology* (2017), doi: <http://dx.doi.org/10.1016/j.biortech.2017.03.073>

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.



Butyric acid production from lignocellulosic biomass hydrolysates by engineered *Clostridium tyrobutyricum* overexpressing xylose catabolism genes for glucose and xylose co-utilization

Hongxin Fu^{1,2} Shang-Tian Yang^{2,*} Mingqi Wang³ Jufang Wang¹ I-Ching Tang⁴

¹School of Bioscience and Bioengineering, South China University of Technology, Guangzhou 510006, China

²Department of Chemical and Biomolecular Engineering, The Ohio State University, 151 West Woodruff Avenue, Columbus, Ohio 43210, USA

³School of Animal Science and Technology, Zhejiang University, Hangzhou, Zhejiang, China

⁴Bioprocessing Innovative Company, 4734 Bridle Path Ct., Dublin, Ohio 43017, USA

*Corresponding author: Phone: 614-2926611; fax: 614-2923769; Email: yang.15@osu.edu

Submitted to *Bioresource Technology*

Download English Version:

<https://daneshyari.com/en/article/4997331>

Download Persian Version:

<https://daneshyari.com/article/4997331>

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