

Accepted Manuscript

Metabolic engineering of *Escherichia coli* for 1,3-propanediol biosynthesis from glycerol

Bo Yang, Shaoxiong Liang, Huanhuan Liu, Jiao Liu, Zhenzhen Cui, Jianping Wen

PII: S0960-8524(18)31007-1

DOI: <https://doi.org/10.1016/j.biortech.2018.07.082>

Reference: BITE 20212

To appear in: *Bioresource Technology*

Received Date: 17 May 2018

Revised Date: 15 July 2018

Accepted Date: 16 July 2018

Please cite this article as: Yang, B., Liang, S., Liu, H., Liu, J., Cui, Z., Wen, J., Metabolic engineering of *Escherichia coli* for 1,3-propanediol biosynthesis from glycerol, *Bioresource Technology* (2018), doi: <https://doi.org/10.1016/j.biortech.2018.07.082>

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.



Metabolic engineering of *Escherichia coli* for 1,3-propanediol biosynthesis from glycerol

Bo Yang^{a,b,†}, Shaoxiong Liang^{a,b,†}, Huanhuan Liu^{c,d}, Jiao Liu^e, Zhenzhen Cui^{a,b},
Jianping Wen^{a,b,*}

^a Key Laboratory of Systems Bioengineering (Ministry of Education), Tianjin University, Tianjin 300072, P. R. China.

^b SynBio Research Platform, Collaborative Innovation Center of Chemical Science and Engineering (Tianjin), School of Chemical Engineering and Technology, Tianjin University, Tianjin 300072, P. R. China.

^c State Key Laboratory of Food Nutrition and Safety (Tianjin University of Science & Technology), Tianjin 300457, China.

^d Key Laboratory of Food Nutrition and Safety (Tianjin University of Science & Technology), Ministry of Education, Tianjin 300457, China.

^e Tianjin Institute of Industrial Biotechnology, Chinese Academy of Sciences, Tianjin, 300308, China

*Correspondence author: Jianping Wen

Telephone: +86-022-27892061;

Fax: +86-022-27892061;

E-mail: jpwen@tju.edu.cn

† These two authors contributed equally to this work.

Download English Version:

<https://daneshyari.com/en/article/7066240>

Download Persian Version:

<https://daneshyari.com/article/7066240>

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