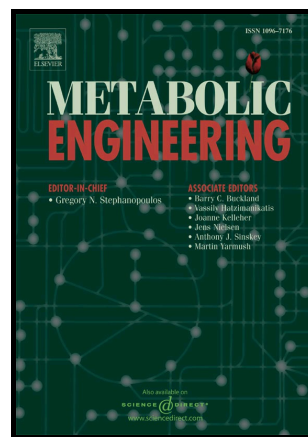


Author's Accepted Manuscript

Improving metabolic efficiency of the reverse beta-oxidation cycle by balancing redox cofactor requirement

Junjun Wu, Xia Zhang, Peng Zhou, Jiaying Huang, Xiudong Xia, Wei Li, Ziyu Zhou, Yue Chen, Yinghao Liu, Mingsheng Dong



www.elsevier.com/locate/ymben

PII: S1096-7176(17)30234-3
DOI: <https://doi.org/10.1016/j.ymben.2017.11.001>
Reference: YMBEN1310

To appear in: *Metabolic Engineering*

Received date: 14 July 2017
Revised date: 29 September 2017
Accepted date: 4 November 2017

Cite this article as: Junjun Wu, Xia Zhang, Peng Zhou, Jiaying Huang, Xiudong Xia, Wei Li, Ziyu Zhou, Yue Chen, Yinghao Liu and Mingsheng Dong, Improving metabolic efficiency of the reverse beta-oxidation cycle by balancing redox cofactor requirement, *Metabolic Engineering*, <https://doi.org/10.1016/j.ymben.2017.11.001>

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 galley proof before it is published in its final citable 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.

Improving metabolic efficiency of the reverse beta-oxidation cycle by balancing redox cofactor requirement

Junjun Wu^{1*}, Xia Zhang¹, Peng Zhou¹, Jiaying Huang¹, Xiudong Xia², Wei Li¹, Ziyu Zhou¹, Yue Chen¹, Yinghao Liu¹, Mingsheng Dong^{1*}

¹ College of Food Science and Technology, Nanjing Agricultural University, Nanjing, Jiangsu 210095, China.

² Institute of Agro-Product Processing, Jiangsu Academy of Agricultural Sciences, Nanjing, Jiangsu 210095, China.

* Corresponding author:

Junjun Wu, Mingsheng Dong

Mailing address: College of Food Science and Technology, Nanjing Agricultural University, 1 Weigang Road, Nanjing, Jiangsu, P.R. China

Phone: +86 25 84396989, Fax: +86 25 84399090

E-mail: wujunjun@njau.edu.cn; dongms@njau.edu.cn

Abstract

Previous studies have made many exciting achievements on pushing the functional reversal of beta-oxidation cycle (r-BOX) to more widespread adoption for synthesis of a

Download English Version:

<https://daneshyari.com/en/article/6494162>

Download Persian Version:

<https://daneshyari.com/article/6494162>

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