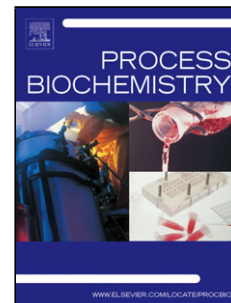


Accepted Manuscript

Title: Co-fermentation of lignocellulose-based glucose and inhibitory compounds for lipid synthesis by *Rhodococcus jostii* RHA1

Authors: Zhu Chen, Caixia Wan



PII: S1359-5113(17)30187-3
DOI: <http://dx.doi.org/doi:10.1016/j.procbio.2017.03.023>
Reference: PRBI 10982

To appear in: *Process Biochemistry*

Received date: 31-1-2017
Revised date: 10-3-2017
Accepted date: 26-3-2017

Please cite this article as: Chen Zhu, Wan Caixia. Co-fermentation of lignocellulose-based glucose and inhibitory compounds for lipid synthesis by *Rhodococcus jostii* RHA1. *Process Biochemistry* <http://dx.doi.org/10.1016/j.procbio.2017.03.023>

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.

Highlights

- Inhibitory compounds including acetate and lignin-derived compounds were tested.
- *R. jostii* RHA1 can co-utilize glucose and inhibitory compounds for lipid synthesis.
- Effects of inhibitory compounds on lipid production varied upon glucose levels.
- Adaptively evolved *R. jostii* RHA1 showed better performance on lipid production.

Download English Version:

<https://daneshyari.com/en/article/4755086>

Download Persian Version:

<https://daneshyari.com/article/4755086>

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