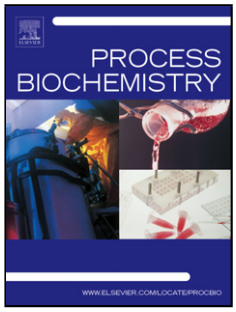

Title: Co-fermentation of lignocellulose-based glucose and inhibitory compounds for lipid synthesis by *Rhodococcus jostii* RHA1

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

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.