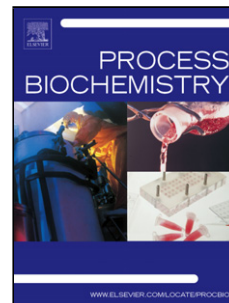


Accepted Manuscript

Title: Enhanced Biosynthesis and Characterization of Surfactin Isoforms with Engineered *Bacillus subtilis* through Promoter Replacement and *Vitreoscilla* Hemoglobin Co-expression

Authors: Qi Wang, Huimin Yu, Miaomiao Wang, Huan Yang, Zhongyao Shen



PII: S1359-5113(18)30007-2
DOI: <https://doi.org/10.1016/j.procbio.2018.04.003>
Reference: PRBI 11319

To appear in: *Process Biochemistry*

Received date: 4-1-2018
Revised date: 28-3-2018
Accepted date: 3-4-2018

Please cite this article as: Wang Qi, Yu Huimin, Wang Miaomiao, Yang Huan, Shen Zhongyao. Enhanced Biosynthesis and Characterization of Surfactin Isoforms with Engineered *Bacillus subtilis* through Promoter Replacement and *Vitreoscilla* Hemoglobin Co-expression. *Process Biochemistry* <https://doi.org/10.1016/j.procbio.2018.04.003>

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.

Enhanced Biosynthesis and Characterization of Surfactin Isoforms with Engineered *Bacillus subtilis* through Promoter Replacement and *Vitreoscilla* Hemoglobin Co-expression

Qi Wang^{1,2}, Huimin Yu^{1, 2, 3*}, Miaomiao Wang^{1,2}, Huan Yang¹ and Zhongyao Shen¹

1 Department of Chemical Engineering, Tsinghua University, Beijing 100084, China

2 Key Laboratory of Industrial Biocatalysis (Tsinghua University), the Ministry of Education, Beijing 100084, China

3 Center for Synthetic and Systems Biology, Tsinghua University, Beijing 100084, China

Manuscript prepared for submission to:

Process Biochemistry

*Corresponding author:

Telephone: 86-10-62795492, Fax: 86-10-62770304,

Graphical Abstract

Download English Version:

<https://daneshyari.com/en/article/6495050>

Download Persian Version:

<https://daneshyari.com/article/6495050>

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