

## Accepted Manuscript

Title: Characterization of a *Lactococcus lactis* promoter for heterologous protein production

Authors: Christian E. Ogaugwu, Qiuying Cheng, Annabeth Fieck, Ivy Hurwitz, Ravi Durvasula



PII: S2215-017X(17)30006-1  
DOI: <https://doi.org/10.1016/j.btre.2017.11.010>  
Reference: BTRE 234

To appear in:

Received date: 3-1-2017  
Revised date: 7-9-2017  
Accepted date: 10-11-2017

Please cite this article as: Christian E.Ogaugwu, Qiuying Cheng, Annabeth Fieck, Ivy Hurwitz, Ravi Durvasula, Characterization of a *Lactococcus lactis* promoter for heterologous protein production, *Biotechnology Reports* <https://doi.org/10.1016/j.btre.2017.11.010>

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.

## Characterization of a *Lactococcus lactis* promoter for heterologous protein production

Christian E. Ogaugwu<sup>a,1</sup>, Qiuying Cheng<sup>a</sup>, Annabeth Fieck<sup>a</sup>, Ivy Hurwitz<sup>a,b\*</sup> and Ravi Durvasula<sup>a,b</sup>

<sup>a</sup>New Mexico VA Health Care System and <sup>b</sup>Center for Global Health, Division of Infectious Diseases, Department of Internal Medicine, University of New Mexico School of Medicine, Albuquerque, NM

Email:

Christian E. Ogaugwu [kristejis@yahoo.com](mailto:kristejis@yahoo.com)

Qiuying Cheng [qcheng@salud.unm.edu](mailto:qcheng@salud.unm.edu)

Annabeth Fieck [fiecka@aol.com](mailto:fiecka@aol.com)

Ivy Hurwitz [ihurwitz@salud.unm.edu](mailto:ihurwitz@salud.unm.edu)

Ravi Durvasula [rdurvasula@salud.unm.edu](mailto:rdurvasula@salud.unm.edu)

\*Corresponding author

<sup>1</sup>Present address: Department of Animal and Environmental Biology, Federal University Oye-Ekiti, Ekiti State, Nigeria.

### Highlights:

- Characterization of *PTS-IIC*, an endogenous constitutive promoter from *L. lactis*.
- Cellobiose enhances activity from *PTS-IIC* promoter
- *PTS-IIC* promoter mediates protein expression in *B. subtilis* and *E coli* Nissle 1917

Download English Version:

<https://daneshyari.com/en/article/7234973>

Download Persian Version:

<https://daneshyari.com/article/7234973>

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