

Accepted Manuscript

Title: Fructooligosaccharides production by *Schedonorus arundinaceus* sucrose:sucrose 1-fructosyltransferase constitutively expressed to high levels in *Pichia pastoris*

Authors: Lázaro Hernández, Carmen Menéndez, Enrique R. Pérez, Duniesky Martínez, Dubiel Alfonso, Luis E. Trujillo, Ricardo Ramírez, Alina Sobrino, Yuliet Mazola, Alexis Musacchio, Eulogio Pimentel



PII: S0168-1656(17)31765-0

DOI: <https://doi.org/10.1016/j.jbiotec.2017.12.008>

Reference: BIOTEC 8070

To appear in: *Journal of Biotechnology*

Received date: 2-9-2017

Revised date: 1-12-2017

Accepted date: 8-12-2017

Please cite this article as: Hernández, Lázaro, Menéndez, Carmen, Pérez, Enrique R., Martínez, Duniesky, Alfonso, Dubiel, Trujillo, Luis E., Ramírez, Ricardo, Sobrino, Alina, Mazola, Yuliet, Musacchio, Alexis, Pimentel, Eulogio, Fructooligosaccharides production by *Schedonorus arundinaceus* sucrose:sucrose 1-fructosyltransferase constitutively expressed to high levels in *Pichia pastoris*. *Journal of Biotechnology* <https://doi.org/10.1016/j.jbiotec.2017.12.008>

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.

Fructooligosaccharides production by *Schedonorus arundinaceus* sucrose:sucrose 1-fructosyltransferase constitutively expressed to high levels in *Pichia pastoris*

Lázaro Hernández^{a,*}, Carmen Menéndez^a, Enrique R. Pérez^b, Duniesky Martínez^b, Dubiel Alfonso^{a,1}, Luis E. Trujillo^{a,2}, Ricardo Ramírez^a, Alina Sobrino^b, Yuliet Mazola^c, Alexis Musacchio^c, Eulogio Pimentel^a

^a Grupo Tecnología de Enzimas, Dirección de Investigaciones Agropecuarias, Centro de Ingeniería Genética y Biotecnología (CIGB), Ave 31 entre 158 y 190, Apartado Postal 6162, Habana 10600, Cuba

^b Departamento de Investigación-Desarrollo, Centro de Ingeniería Genética y Biotecnología de Sancti Spíritus (CIGBSS), Circunvalante Norte S/N, Olivos 3, Apartado Postal 83, Sancti Spíritus 60200, Cuba

^c Departamento de Biología de Sistemas, Dirección de Investigaciones Biomédicas, Centro de Ingeniería Genética y Biotecnología (CIGB), Ave 31 entre 158 y 190, Apartado Postal 6162, Habana 10600, Cuba

¹ Permanent address of Dubiel Alfonso: Laboratorio Biotecnología Vegetal, Departamento Biología-Sanidad Vegetal, Facultad de Agronomía, Universidad Agraria de la Habana. Autopista Nacional, Km 23 ½. San José de las Lajas, Mayabeque 32700, Cuba

² Permanent address of Luis E. Trujillo: Departamento de Ciencias de la Vida y de la Agricultura, Grupo de Investigación de Biotecnología Industrial y Bioproductos, Centro de Nanociencias y Nanotecnología, CENCINAT, Universidad de las Fuerzas Armadas ESPE, Av. Gral. Rumiñagui s/n Sangolquí, P.O box 171-5-231B, Quito, Ecuador

* corresponding author: Lázaro Hernández

email: lazaro.hernandez@cigb.edu.cu

postal address: CIGB, Ave 31 entre 158 y 190, Apartado Postal 6162, Habana 10600, Cuba

telephone: 53-72504361

Download English Version:

<https://daneshyari.com/en/article/6490404>

Download Persian Version:

<https://daneshyari.com/article/6490404>

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