

Accepted Manuscript

Title: Mutagenesis for improvement of activity and thermostability of amyloamylase from *Corynebacterium glutamicum*

Author: Pitchanan Nimpiboon Jarunee Kaulpiboon Kuakarun Krusong Shigeyoshi Nakamura Shun-ichi Kidokoro Piamsook Pongsawasdi



PII: S0141-8130(16)30154-4
DOI: <http://dx.doi.org/doi:10.1016/j.ijbiomac.2016.02.022>
Reference: BIOMAC 5831

To appear in: *International Journal of Biological Macromolecules*

Received date: 5-10-2015
Revised date: 5-2-2016
Accepted date: 8-2-2016

Please cite this article as: Pitchanan Nimpiboon, Jarunee Kaulpiboon, Kuakarun Krusong, Shigeyoshi Nakamura, Shun-ichi Kidokoro, Piamsook Pongsawasdi, Mutagenesis for improvement of activity and thermostability of amyloamylase from *Corynebacterium glutamicum*, *International Journal of Biological Macromolecules* <http://dx.doi.org/10.1016/j.ijbiomac.2016.02.022>

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.

Mutagenesis for improvement of activity and thermostability of amylomaltase from *Corynebacterium glutamicum*

**Pitchanan Nimpiboon^{a,c}, Jarunee Kaulpiboon^b, Kuakarun Krusong^c, Shigeyoshi
Nakamura^d, Shun-ichi Kidokoro^d, Piamsook Pongsawasdi^{c,*}**

^a Program in Biotechnology, Faculty of Science, Chulalongkorn University, Bangkok 10330,
Thailand

^b Department of Pre-clinical Science (Biochemistry), Faculty of Medicine, Thammasat
University, Pathumthani
12120, Thailand

^c Starch and Cyclodextrin Research Unit, Department of Biochemistry, Faculty of Science,
Chulalongkorn
University, Bangkok 10330, Thailand

^d Department of Bioengineering, Nagaoka University of Technology, Nagaoka, Niigata 940-
2188, Japan

* Corresponding author. Tel.: +66 2218 5423; fax: +66 2218 5418

E-mail address: piamsook.p@chula.ac.th

Download English Version:

<https://daneshyari.com/en/article/1985964>

Download Persian Version:

<https://daneshyari.com/article/1985964>

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