

Accepted Manuscript

Pyrimidine Metabolism: Dynamic and Versatile Pathways in Pathogens and Cellular Development

Manuel F. Garavito, Heidi Y. Narváez-Ortiz, Barbara H. Zimmermann



PII: S1673-8527(15)00076-4

DOI: [10.1016/j.jgg.2015.04.004](https://doi.org/10.1016/j.jgg.2015.04.004)

Reference: JGG 363

To appear in: *Journal of Genetics and Genomics*

Received Date: 21 November 2014

Revised Date: 13 April 2015

Accepted Date: 14 April 2015

Please cite this article as: Garavito, M.F., Narváez-Ortiz, H.Y., Zimmermann, B.H., Pyrimidine Metabolism: Dynamic and Versatile Pathways in Pathogens and Cellular Development, *Journal of Genetics and Genomics* (2015), doi: 10.1016/j.jgg.2015.04.004.

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.

Pyrimidine Metabolism: Dynamic and Versatile Pathways in Pathogens and Cellular Development

Manuel F. Garavito¹, Heidy Y. Narváez-Ortiz¹ and Barbara H. Zimmermann*

*Departamento de Ciencias Biológicas, Universidad de los Andes, Carrera 1, No. 18A-10,
Bogotá, Colombia*

*Corresponding author. Tel.: 571 339 4949 ext 3374; fax: 571 613 0222.

Email: bhzimmermann@bhzonline.net

‡These authors contributed equally to this work.

Abbreviations: CAD, multifunctional protein that initiates and regulates *de novo* pyrimidine biosynthesis; DHODase, dihydroorotate dehydrogenase; hpi, hours postinfection; UMP synthase, uridine 5'-monophosphate synthase; UMP, uridine 5'-monophosphate; UTP, uridine 5'-triphosphate; UPRTase, uracil phosphoribosyltransferase; UPase, uridine phosphorylase.

Download English Version:

<https://daneshyari.com/en/article/5894062>

Download Persian Version:

<https://daneshyari.com/article/5894062>

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