



Corrigendum: A Plant Gene Encoding One-Heme and Two-Heme Hemoglobins With Extreme Reactivities Toward Diatomic Gases and Nitrite

Irene Villar¹, Estibaliz Larrainzar², Lisa Milazzo³, Carmen Pérez-Rontomé¹, Maria C. Rubio¹, Giulietta Smulevich³, Jesús I. Martínez⁴, Michael T. Wilson⁵, Brandon Reeder⁵, Raul Huertas⁶, Stefania Abbruzzetti⁷, Michael Udvardi⁶ and Manuel Becana^{1*}

¹ Departamento de Nutrición Vegetal, Estación Experimental de Aula Dei, Consejo Superior de Investigaciones Científicas (CSIC), Zaragoza, Spain, ² Department of Sciences, Institute for Multidisciplinary Applied Biology, Campus Arrosadía, Universidad Pública de Navarra, Pamplona, Spain, ³ Dipartimento di Chimica "Ugo Schiff", Università di Firenze, Florence, Italy, ⁴ Instituto de Ciencia de Materiales de Aragón, Universidad de Zaragoza-CSIC, Zaragoza, Spain, ⁵ School of Life Sciences, Essex University, Wivenhoe Park, Colchester, United Kingdom, ⁶ Noble Research Institute LLC, Ardmore, OK, United States, ⁷ Dipartimento di Scienze Matematiche, Fisiche e Informatiche, Università di Parma, Parma, Italy

OPEN ACCESS

Keywords: *Medicago truncatula*, nitric oxide, symbiosis, phytohemoglobins, nodule, leghemoglobin, nitrate, hypoxia

Edited and reviewed by:

Maurizio Chiurazzi,
National Research Council (CNR), Italy

*Correspondence:

Manuel Becana
becana@eead.csic.es

Specialty section:

This article was submitted to
Plant Symbiotic Interactions,
a section of the journal
Frontiers in Plant Science

Received: 04 December 2020

Accepted: 22 December 2020

Published: 25 January 2021

Citation:

Villar I, Larrainzar E, Milazzo L, Pérez-Rontomé C, Rubio MC, Smulevich G, Martínez JI, Wilson MT, Reeder B, Huertas R, Abbruzzetti S, Udvardi M and Becana M (2021) Corrigendum: A Plant Gene Encoding One-Heme and Two-Heme Hemoglobins With Extreme Reactivities Toward Diatomic Gases and Nitrite. *Front. Plant Sci.* 11:637797. doi: 10.3389/fpls.2020.637797

A Corrigendum on

A Plant Gene Encoding One-Heme and Two-Heme Hemoglobins With Extreme Reactivities Toward Diatomic Gases and Nitrite

by Villar, I., Larrainzar, E., Milazzo, L., Pérez-Rontomé, C., Rubio, M. C., Smulevich, G., et al. (2020). *Front. Plant Sci.* 11:600336. doi: 10.3389/fpls.2020.600336

In the original article, there were three errors. The concentrations of antibiotics should be expressed in micrograms per milliliter; the pH of the Tris buffer should be 8.0; and the concentration of deoxyferrous globin should be stated as 2.5 micromolar.

Two corrections have been made to: MATERIALS AND METHODS, Production and Purification of Recombinant Globins, paragraph 1, line 7 and line 17,

“...of LB medium with 100 µg ml⁻¹ ampicillin or 100 µg ml⁻¹ kanamycin...”

“..20 mM Tris (pH 8.0) with 150 mM NaCl..”

One correction has been made to: MATERIALS AND METHODS, Nitrite Reductase Activity, paragraph 1, line 4,

“...were 2.5 µM and 0.05–1 mM, respectively.”

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

Copyright © 2021 Villar, Larrainzar, Milazzo, Pérez-Rontomé, Rubio, Smulevich, Martínez, Wilson, Reeder, Huertas, Abbruzzetti, Udvardi and Becana. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.