



OPEN ACCESS

EDITED AND REVIEWED BY
Giuseppe Mannino,
University of Turin, Italy

*CORRESPONDENCE
Essam ElShamey
✉ essamelshamey@gmail.com
Jiazhen Yang
✉ 2119296493@qq.com

RECEIVED 29 January 2026
ACCEPTED 05 February 2026
PUBLISHED 24 February 2026

CITATION
ElShamey E, Zeng Y, Ding Y and Yang J
(2026) Correction: Functional
phytochemicals in tomatoes:
biosynthesis, gene regulation, and
human health implications.
Front. Plant Sci. 17:1798850.
doi: 10.3389/fpls.2026.1798850

COPYRIGHT
© 2026 ElShamey, Zeng, Ding and Yang.
This is an open-access article distributed
under the terms of the [Creative
Commons Attribution License \(CC BY\)](https://creativecommons.org/licenses/by/4.0/).
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.

Correction: Functional phytochemicals in tomatoes: biosynthesis, gene regulation, and human health implications

Essam ElShamey^{1,2*}, Yawen Zeng¹, Yumei Ding³
and Jiazhen Yang^{1*}

¹Biotechnology and Germplasm Resources Institute, Yunnan Academy of Agricultural Sciences, Kunming, China, ²Rice Research Department, Field Crops Research Institute, Agricultural Research Center, Giza, Egypt, ³College of Food Science and Technology, Yunnan Agricultural University, Kunming, China

KEYWORDS

tomato, functional components, biosynthesis pathways, gene regulation, health benefits, carotenoids, flavonoids

A Correction on

Functional phytochemicals in tomatoes: biosynthesis, gene regulation, and human health implications

By ElShamey E, Zeng Y, Ding Y and Yang J (2025) *Front. Plant Sci.* 16:1662388. doi: 10.3389/fpls.2025.1662388

There was a mistake in the caption of **Figure 4** as published. The citation “(Mellidou et al., 2021)” was omitted. The caption of **Figure 4** has been updated to “**Figure 4.** Schematic biosynthesis pathways for vitamin C in tomato fruits (Mellidou et al., 2021)”.

The reference “Mellidou, I., Koukounaras, A., Kostas, S., Patelou, E., and Kanellis, A. K. (2021). Regulation of vitamin C accumulation for improved tomato fruit quality and alleviation of abiotic stress. *Genes*. 12, 694. doi: 10.3390/genes12050694” which was omitted from the published version of the article, has now been added to the reference list.

The original version of this article has been updated.

Publisher’s note

All claims expressed in this article are solely those of the authors and do not necessarily represent those of their affiliated organizations, or those of the publisher, the editors and the reviewers. Any product that may be evaluated in this article, or claim that may be made by its manufacturer, is not guaranteed or endorsed by the publisher.