

Correction to: Physiological and stoichiometric characterization of ethanol-based chain elongation in the absence of short-chain carboxylic acids (Scientific Reports, (2023), 13, 1, (17370), 10.1038/s41598-023-43682-x)

Allaart, Maximilienne Toetie; Fox, Bartholomeus B.; Nettersheim, Ingo H.M.S.; Pabst, Martin; Sousa, Diana Z.; Kleerebezem, Robbert

DOI

[10.1038/s41598-024-62205-w](https://doi.org/10.1038/s41598-024-62205-w)

Publication date

2024

Document Version

Final published version

Published in

Scientific Reports

Citation (APA)

Allaart, M. T., Fox, B. B., Nettersheim, I. H. M. S., Pabst, M., Sousa, D. Z., & Kleerebezem, R. (2024). Correction to: Physiological and stoichiometric characterization of ethanol-based chain elongation in the absence of short-chain carboxylic acids (Scientific Reports, (2023), 13, 1, (17370), 10.1038/s41598-023-43682-x). *Scientific Reports*, 14(1), Article 11801. <https://doi.org/10.1038/s41598-024-62205-w>

Important note

To cite this publication, please use the final published version (if applicable).
Please check the document version above.

Copyright

Other than for strictly personal use, it is not permitted to download, forward or distribute the text or part of it, without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license such as Creative Commons.

Takedown policy

Please contact us and provide details if you believe this document breaches copyrights.
We will remove access to the work immediately and investigate your claim.



OPEN

Author Correction: Physiological and stoichiometric characterization of ethanol-based chain elongation in the absence of short-chain carboxylic acids

Maximilienne Toetie Allaart, Bartholomeus B. Fox, Ingo H. M. S. Nettersheim, Martin Pabst, Diana Z. Sousa & Robbert Kleerebezem

Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-023-43682-x>, published online 13 October 2023

The original version of this Article contained errors in the Discussion section, where reference 34 was incorrectly cited as reference 25. Consequently,

“Spirito et al.²⁵ also observed a decreased conversion rate when feeding a chain-elongating reactor microbiome with mainly ethanol. This could explain why previous studies with shorter incubation times reported no metabolic activity in the absence of acetate^{25,35}. The mechanism that underlies this change in rate remains elusive. Spirito et al.²⁵ proposed a thermodynamic constraint on the rate due to increased hydrogen partial pressures, but in our experiments p_{H_2} was low due to continuous sparging and we still observed low rates.”

now reads:

“Spirito et al.³⁴ also observed a decreased conversion rate when feeding a chain-elongating reactor microbiome with mainly ethanol. This could explain why previous studies with shorter incubation times reported no metabolic activity in the absence of acetate^{34,35}. The mechanism that underlies this change in rate remains elusive. Spirito et al.³⁴ proposed a thermodynamic constraint on the rate due to increased hydrogen partial pressures, but in our experiments p_{H_2} was low due to continuous sparging and we still observed low rates.”

The original Article has been corrected.



Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>.

© The Author(s) 2024