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

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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.



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