

**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)**

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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.<sup>25</sup> 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<sup>25,35</sup>. The mechanism that underlies this change in rate remains elusive. Spirito et al.<sup>25</sup> 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.<sup>34</sup> 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<sup>34,35</sup>. The mechanism that underlies this change in rate remains elusive. Spirito et al.<sup>34</sup> 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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