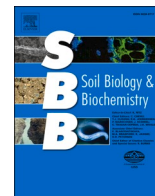




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Corrigendum to “Spatial heterogeneity of high-affinity H₂ oxidation activity in agricultural soil profile” [Soil Biol. Biochem. 202 (2025) 109703]

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The authors regret to inform that there is a typesetting error in published version, which the figure legends were truncated in Figs. 1 and 2. The authors request to republish the figures along with the full

figure legend. This leads to the following changes in figure legends 1 and 2:

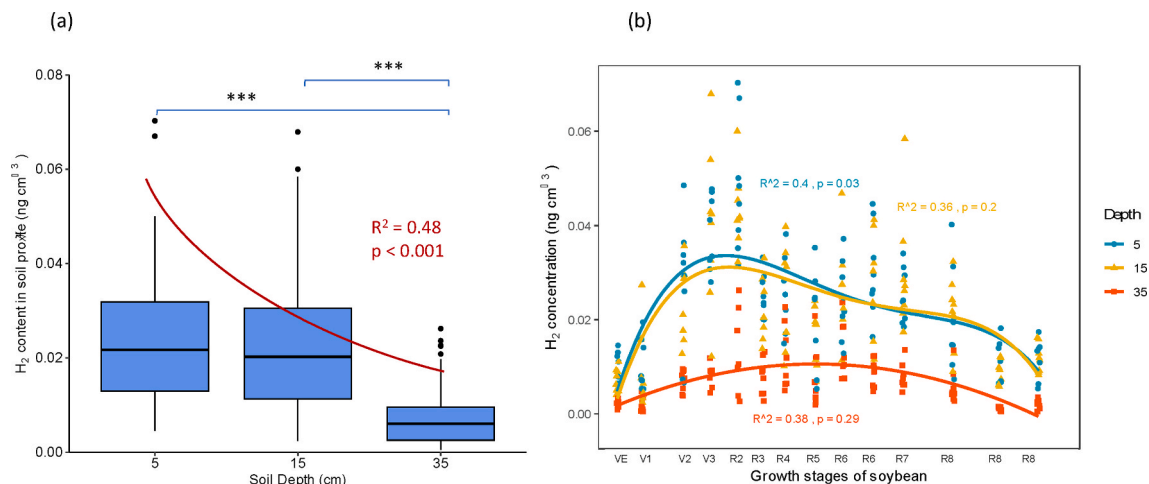


Fig. 1. H₂ content distribution in soil profile vertically. (a) The H₂ content at three soil depths without considering soybean growth stages, “***” indicates $p < 0.001$. The red line is the fitted exponential model of soil depth against H₂ content. The fitted r-square and p value are provided. (b) The H₂ content in soil profile (at three depths, 5 cm, 15 cm, and 35 cm) during the whole growing season of soybean. “V” represents the vegetative stage, which occurred in May and early June 2022, while “R” represents reproductive stages of soybean, taking place from the middle of June to early October 2022. A total of 336 concentration data points were collected, but 334 data was considered because of two missing data. The measured H₂ concentration in soil profile was fall into high-affinity H₂ oxidation range ($_{(app)}K_m < 100$ ppmv).

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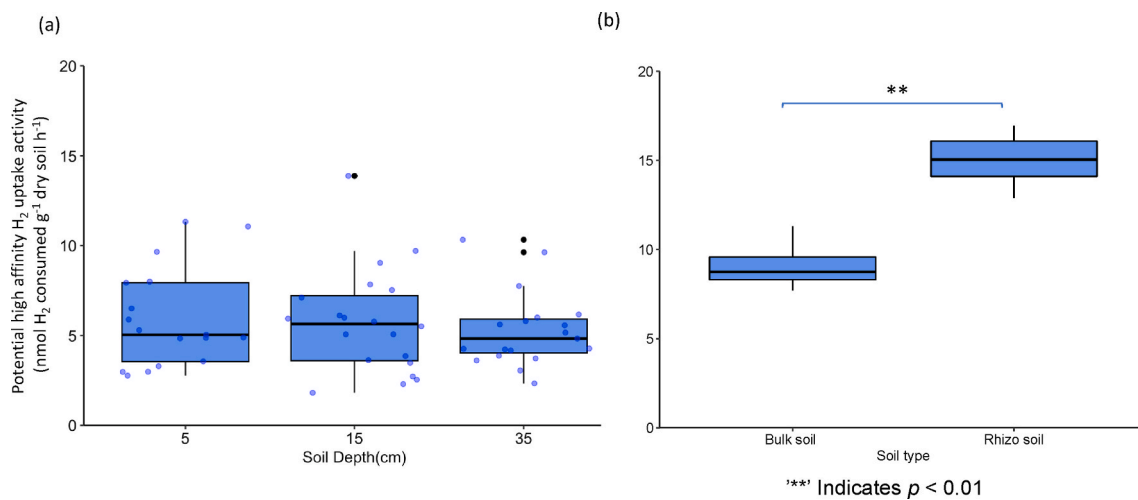


Fig. 2. (a) The potential high-affinity H₂ oxidation activity of soil samples that collected from three depths (0–5 cm, 10–15 cm, and 30–35 cm) without considering soybean growth stages (replicates = 17, 19, and 20). (b) The potential high affinity H₂ oxidation activity of soil samples that collected from bulk zone and rhizosphere, replicates = 4.

In addition, the “H2” in current published figure legends should be corrected to “H₂”, the number 2 in H₂ should be subscripted.

These corrections neither impact the discussion nor the conclusions of the study. The authors apologize for any inconvenience.