



Correction to: Inter-microbial competition for N and plant NO₃⁻ uptake rather than BNI determine soil net nitrification under intensively managed *Brachiaria humidicola*

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Correction to: *Biology and Fertility of Soils* 58, 307–319 (2022)
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Introductory statement

Much to our regret, we have identified some inaccuracies in our article Egenolf et al. (2022), which we would like to correct. In the following, we repeat the flawed or incomplete phrases from the original text with corrections and insertions printed in boldface.

Material & Methods

Experimental setup

With respect to soil pH levels, the text should read as follows: Soil pH (H₂O extracts) were verified at the end of the experiment, levelling out **in the planted pots** at 6.3 versus 6.8 (Taluma soil) and 5.8 versus 6.3 (Porvenir soil) for non-limed and limed treatments, respectively (Fig. S3).

With respect to N fertilization, the experimental setup should be adjusted as follows: Through the course of the experiment, plants were regularly fertilized with N (**80 kg N**

ha⁻¹ as urea at month 6, and 160 kg N ha⁻¹ as (NH₄)₂SO₄ at month 12) to stimulate soil nitrification potential.

Quantification of gene copy numbers

With respect to quantification of gene copy numbers, one additional reference should be included. The respective section should read as follows: Quantification of archaeal and bacterial 16S rRNA and *amoA* genes via quantitative PCR (qPCR) (StepOnePlus™ Real Time PCR System (Thermo Fisher Scientific, Foster City, CA, USA)) was performed according to **Rasche et al. (2014) and Nunez et al. (2018), respectively.**

Reference of Rasche et al. (2014):

Rasche F, Musyoki MK, Rohl C, Muema EK, Vanlauwe B, and Cadisch G (2014) Lasting influence of biochemically contrasting organic inputs on abundance and community structure of total and proteolytic bacteria in tropical soils. *Soil Biol. Biochem.* 74, 204–213. <http://doi.org/10.1016/j.soilbio.2014.03.017>.

Results

The caption of **Table 1** should read as follows: *In situ* (pot trial) and *ex situ* (incubation study) estimation of nitrification and N immobilization potential. Depicted values are model-based means. Genotypes that share a common letter do not differ significantly at $\alpha=0.05$ level. Percentage values in parenthesis refer to the share of applied fertilizer N encountered in the respective pool. DANF = Days after NH₄⁺ fertilization. N.d. ~ not detected.

Figure 4 should read as follows:

The original article can be found online at <https://doi.org/10.1007/s00374-021-01606-9>.

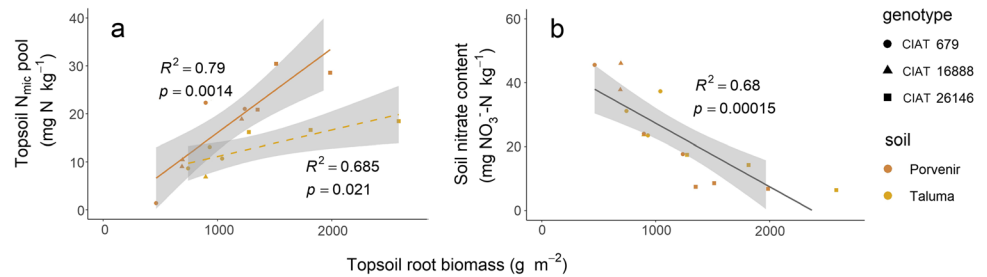
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Fig. 4 Regression between topsoil (0–10 cm) root biomass (g m^{-2} DM), and (a) topsoil microbial N pool 14 days after NH_4^+ fertilization, and (b) topsoil NO_3^- content 7 days after NH_4^+ fertilization for **planted pots under lime treatment**. Gray shading represents 95% confidence interval.



Supplementary Information The online version contains supplementary material available at <https://doi.org/10.1007/s00374-023-01748-y>.

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