



OPEN **Publisher Correction: Unveiling microbial preservation under hyperacidic and oxidizing conditions in the Oligocene Rio Tinto deposit**

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Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-021-00730-8>, published online 02 November 2021

The original version of this Article contained errors.

Firstly, citation numbers after reference 11 (with the exception of citations to References 7 and 10) were inaccurate by two.

Additionally, in the Introduction,

“Although different authors report neutral to alkaline conditions for underground Mars^{7,8}, the upper part of the planet interior has certainly been affected by the circulation and downwelling of low-pH and oxidizing solutions^{8–10}.”

now reads:

“Although different authors report neutral to alkaline conditions for underground Mars^{7,8}, the upper part of the planet interior has certainly been affected by the circulation and downwelling of low-pH and oxidizing solutions^{9–11}.”

Furthermore, in the Materials and methods section, the subheading ‘Sample 010,109–1’ now reads ‘Sample 010109-1’, and

“Thin sections of sample 010,109–1 were prepared for mineral and textural analysis under an optical microscope and a Scanning Electron Microscope (SEM) coupled with an Electron Dispersive Spectroscopy (EDS) probe, and molecular surface analysis by ToF-SIMS¹⁰⁵.”

now reads:

“Thin sections of sample 010109-1 were prepared for mineral and textural analysis under an optical microscope and a Scanning Electron Microscope (SEM) coupled with an Electron Dispersive Spectroscopy (EDS) probe, and molecular surface analysis by ToF-SIMS¹⁰⁷.”

Finally, in the Materials and methods section, under the subheading ‘ToF-SIMS analysis’, exponents were incorrectly captured as citations, and

“To prevent this problem, the thin sections of samples 010,109–1 and BH8-24c were cleaned by surface sputtering with a 100 nA 500 eV oxygen ion beam for 3 s.”

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now reads:

“To prevent this problem, the thin sections of sample 010109–1 were cleaned by surface sputtering with a 100 nA 500 eV oxygen ion beam for 3 s.”

The original Article has been corrected.



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