

Fictibacillus terranigri sp. nov.

Submitted by Pellegrinetti, Thierry

Species *Fictibacillus terranigri*

Etymology

[ter.ri.ni'gri] L. fem. n. *terra*, Earth; L. masc. adj. *niger*, Black; N.L. gen. n. *terriginigri*, From black earth, referencing the Amazonian Dark Earth soil from which it was isolated

Nomenclatural type

[NCBI Assembly: GCF_030412265.1](#) ^{Ts}

Reference Strain

CENA-BCM004

Description

Fictibacillus terranigra is a Gram-positive, aerobic bacterium, originating from Amazonian Dark Earth. It has a versatile metabolism, with the capacity to metabolize various sugars and assimilate minerals like nitrate and sulfate. Its genome is robust, consisting of 16 contigs with about 3,315 predicted genes. Additionally, it demonstrates potential as a biocontrol agent, given its ability to antagonize certain pathogens. This unique bacterium signifies a remarkable potential for diverse biotechnological applications.

Classification

Bacteria » *Bacillota* » *Bacilli* » *Caryophanales* » *Bacillaceae* » *Fictibacillus* » *Fictibacillus terranigri*

References

Effective publication: Pellegrinetti et al., 2024 [1]

Registry URL

<https://seqco.de/i:31974>

References

1. Pellegrinetti et al. (2024). Genomic insights of *Fictibacillus terranigra* sp. nov., a versatile metabolic bacterium from Amazonian Dark Earths. *Brazilian Journal of Microbiology*. [DOI:10.1007/s42770-024-01268-3](https://doi.org/10.1007/s42770-024-01268-3)

Register List Certificate of Validation

On behalf of the *Committee on the Systematics of Prokaryotes Described from Sequence Data* (SeqCode Committee), we hereby certify that the Register List seqco.de/r:yknhgrq2 submitted by **Pellegrinetti, Thierry** and including 1 new name has been successfully validated.

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