

Register list for 6 new names including *Litorirhabdus singularis* sp. nov.

Submitted by Li, Shanhui

Genus *Paraluminiphilus*

Etymology

[Pa.ra.lu.mi.ni'phi.lus] Gr. pref. *para-*, like; N.L. masc. n. *Luminiphilus*, a bacterial genus; N.L. masc. n. *Paraluminiphilus*, like *Luminiphilus*, referring to the close relationship to the genus

Nomenclatural type

Species *Paraluminiphilus aquimaris*^{Ts}

Description

A genus established on the basis of taxonomic novelty analyses, AAI, AF, AAI, POCP, 16S rRNA gene phylogenetic reconstruction, and phylogenomic analyses and is classified as a member of the Halieaceae family. The type species of the genus is *Paraluminiphilus aquimaris*.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Cellvibrionales* » *Halieaceae* » *Paraluminiphilus*

References

Effective publication: Li et al., 2023 [1]

Registry URL

<https://seqco.de/i:44044>

Genus *Litorirhabdus*

Etymology

[Li.to.ri.rhab'dus] L. neut. n. *litus -oris*, seashore; N.L. fem. n. *rhabdus*, a rod, wand, from Gr. fem. n. *rhabdos*; N.L. fem. n. *Litorirhabdus*, a rod that grows in the sea

Nomenclatural type

Species *Litorirhabdus singularis*^{Ts}

Description

A genus established on the basis of taxonomic novelty analyses, AAI, AF, AAI, POCP, 16S rRNA gene phylogenetic reconstruction, and phylogenomic analyses and is classified as a member of the Halieaceae family. The type species of the genus is *Litorirhabdus singularis*.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Cellvibrionales* » *Halieaceae* » *Litorirhabdus*

References

Effective publication: Li et al., 2023 [1]

Registry URL

<https://seqco.de/i:44048>

Species *Litorirhabdus singularis*^{Ts}

Etymology

[sin.gu.la'ris] L. fem. adj. *singularis*, alone, singular, referring to the fact that this is a free-living member

Nomenclatural type

[INSDC Nucleotide: SHNN0000000.1](#)^{Ts}

Reference Strain

IMCC14734

Description

The species is established on the basis of taxonomic novelty analysis, and the type material is the genome IMCC14734.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Cellvibrionales* » *Haliaceae* » *Litorirhabdus* » *Litorirhabdus singularis*^{Ts}

References

Effective publication: Li et al., 2023 [1]

Registry URL

<https://seqco.de/i:44049>

Species *Paraluminiphilus aquimaris*^{Ts}

Etymology

[a.qui.ma'ris] L. fem. n. *aqua*, water; L. neut. n. *mare*, the sea; N.L. gen. n. *aquimaris*, water of the sea

Nomenclatural type

[INSDC Nucleotide: CP036501.1](#)^{Ts}

Description

The species is established on the same basis as the genus and the type material is the genome JH123.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Cellvibrionales* » *Haliaceae* » *Paraluminiphilus* » *Paraluminiphilus aquimaris*^{Ts}

References

Effective publication: Li et al., 2023 [1]

Registry URL

<https://seqco.de/i:44045>

Species *Marimicrobium litorale*

Etymology

[li.to.ra'le] L. neut. adj. *litorale*, of or belonging to the seashore

Nomenclatural type

[INSDC Nucleotide: SHNO0000000.1](#)^{Ts}

Description

The species is established on the basis of taxonomic novelty analysis, and the type material is the genome IMCC11814.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Cellvibrionales* » *Haliaceae* » *Marimicrobium* » *Marimicrobium litorale*

References

Effective publication: Li et al., 2023 [1]

Registry URL

<https://seqco.de/i:44047>

Species *Seongchinamella marina*

Etymology

[ma.ri'na] L. fem. adj. *marina*, of the sea

Nomenclatural type

[INSDC Nucleotide: SHNP00000000.1](#)^{Ts}

Description

The species is established on the basis of taxonomic novelty analysis, and the type material is the genome IMCC8485.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Cellvibrionales* » *Haliaceae* » *Seongchinamella* » *Seongchinamella marina*

References

Effective publication: Li et al., 2023 [1]

Registry URL

<https://seqco.de/i:44046>

References

1. Li et al. (2023). Metabolic Versatility of the Family *Haliaceae* Revealed by the Genomics of Novel Cultured Isolates. *Microbiology Spectrum*. DOI:10.1128/spectrum.03879-22

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:ur0fqsc submitted by Li, Shanhui and including 6 new names has been successfully validated.

Date of Priority: 2024-03-15 09:07 UTC
DOI: 10.57973/seqcode.r:ur0fqsc

