

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

Submitted by Li, Shanhui

## Genus *Paraluminiphilus*

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### 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*<sup>Ts</sup>

### 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

Proposed: Li et al., 2023

### Registry URL

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

## Genus *Litorirhabdus*

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### 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*<sup>Ts</sup>

### 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

Proposed: Li et al., 2023

### Registry URL

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

## Species *Litorirhabdus singularis*<sup>Ts</sup>

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**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: SHNN00000000.1](#)<sup>Ts</sup>

**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*<sup>Ts</sup>

**References**

Proposed: Li et al., 2023

**Registry URL**

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

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**Species *Marimicrobium litorale***

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**Etymology**

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

**Nomenclatural type**

[INSDC Nucleotide: SHNO00000000.1](#)<sup>Ts</sup>

**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**

Proposed: Li et al., 2023

**Registry URL**

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

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**Species *Seongchinamella marina***

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**Etymology**

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

**Nomenclatural type**

[INSDC Nucleotide: SHNP00000000.1](#)<sup>Ts</sup>

**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

Proposed: Li et al., 2023

#### Registry URL

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

## Species *Paraluminiphilus aquimaris*<sup>Ts</sup>

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#### 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](#)<sup>Ts</sup>

#### 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*<sup>Ts</sup>

#### References

Proposed: Li et al., 2023

#### Registry URL

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

## 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](https://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

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