Register list for 3 new species of the Microbulbifer genus, phylum Pseudomonadota

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Abstract

Three new species of marine *Microbulbifer* bacteria, *M. maximicatervae* sp. nov., *M. regidiadema* sp. nov., *M. mixtoriginis* sp. nov.

Species *Microbulbifer maximicatervae*

Etymology

[ma.xi.mi.ca.ter'vae] **L. masc. adj.** *maximus*, greatest, largest; **L. fem. n.** *caterva*, a crowd, a cluster; **N.L. gen. n.** *maximicatervae*, of the largest group

Nomenclatural type

Genome sc|0005414 Ts

Reference Strain

Strain sc|0040521: PAAF003

Description

Strains of *Microbulbifer maximicatervae* were the most frequently isolated from the sponges and corals in which *Microbulbifer regidiadema* and *Microbulbifer mixtoriginis* were also derived from.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Cellvibrionales* » *Microbulbiferaceae* » *Microbulbifer* » *Microbulbifer maximicatervae*

References

Effective publication: Tang et al., 2026 [1]
Original (not valid) publication: Tang et al., 2025 [2]
Assigned taxonomically: GONZaLEZ et al., 1997 [3]

Registry URL

https://seqco.de/i:54894

Species *Microbulbifer mixtoriginis*

Etymology
[mix.to.ri.gi'nis] **L. fem. perf. part.** *mixta*, mixed; **L. fem. n.** *origo*, origin; **N.L. gen. n.** *mixtoriginis*, of mixed origin

Nomenclatural type
Genome sc|0005413 Ts

Reference Strain
Strain sc|0040520: SSSA003

Description
Strains of *Microbulbifer mixtoriginis* have been isolated from both coral and sponge hosts.

Classification
Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Cellvibrionales* » *Microbulbiferaceae* » *Microbulbifer* » *Microbulbifer mixtoriginis*

References
Effective publication: Tang et al., 2026 [1]
Original (not valid) publication: Tang et al., 2025 [2]
Assigned taxonomically: GONZaLEZ et al., 1997 [3]

Registry URL
https://seqco.de/i:54893

Species *Microbulbifer regidiadema*

Etymology
[re.gi.di.a.de'ma] **L. masc. adj.** *regius*, royal; **L. fem. n.** *diadema*, crown, diadem; **N.L. fem. n.** *regidiadema*, royal crown

Nomenclatural type
Genome sc|0005412 Ts

Reference Strain
Strain sc|0040519: ZKSA006

Description
Strains of *Microbulbifer regidiadema* have been observed to be purple in color and possesses a halo at the at the growth front of the colony.

Classification
Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Cellvibrionales* » *Microbulbiferaceae* » *Microbulbifer* » *Microbulbifer regidiadema*

References
Effective publication: Tang et al., 2026 [1]
Original (not valid) publication: Tang et al., 2025 [2]
Assigned taxonomically: GONZaLEZ et al., 1997 [3]

Registry URL
https://seqco.de/i:54880

References

1. Tang et al. (2026). Phylogenomic description of three novel species of the Microbulbifer genus, phylum Pseudomonadota, isolated from marine sponges and corals. *Systematic and Applied Microbiology*. DOI: 10.1016/j.syapm.2026.126778
2. Tang et al. (2025). Phylogenomic Identification of a Highly Conserved Copper-Binding RiPP Biosynthetic Gene Cluster in Marine *Microbulbifer* Bacteria. *ACS Chemical Biology*. DOI: 10.1021/acschembio.5c00507
3. GONZaLEZ et al. (1997). Microbulbifer hydrolyticus gen. nov., sp. nov., and Marinobacterium georgiense gen. nov., sp. nov., Two Marine Bacteria from a Lignin-Rich Pulp Mill Waste Enrichment Community. *International Journal of Systematic Bacteriology*. DOI: 10.1099/00207713-47-2-369

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:3zzf79a7** submitted by **Tang, Yifan** and including 3 new names has been successfully validated.

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