

Register list for 11 new names of bacteria associated with protists

Submitted by Courtney, Stairs

Genus *Thalassodesulfovibrio*

Etymology

[tha.las.so.de.sul.fo.vi'bri.o] **Gr. fem. n.** *thalassa*, sea; **N.L. masc. n.** *Desulfovibrio*, the bacterial genus referring to a vibrio that reduces sulfur compounds; **N.L. masc. n.** *Thalassodesulfovibrio*, a marine bacterium capable of sulfur reduction

Nomenclatural type

Species *Thalassodesulfovibrio aquaticus*^{Ts}

Description

The species is established on the basis of MiGA taxonomic novelty analysis, and the type material is the genome CP182354

Classification

Bacteria » *Desulfobacterota* » *Desulfovibrionia* » *Desulfovibrionales* » *Desulfovibrionaceae* » *Thalassodesulfovibrio*

References

Effective publication: Aguilera-Campos et al., 2025 [1]

Registry URL

<https://seqco.de/i:49743>

Species *Arcobacter denitrificans*

Etymology

[de.ni.tri.fi'cans] **N.L. masc. part. adj.** *denitrificans*, denitrifying

Nomenclatural type

[INSDC Nucleotide: CP182350](#) ^{Ts}

Description

The species is established on the basis of MiGA taxonomic novelty analysis, and the type material is the genome CP182350

Classification

Bacteria » *Pseudomonadota* » *Epsilonproteobacteria* » *Campylobacterales* » *Arcobacteraceae* » *Arcobacter* » *Arcobacter denitrificans*

References

Effective publication: Aguilera-Campos et al., 2025 [1]

Registry URL

<https://seqco.de/i:49746>

Species *Arcobacter siniprincipis*

Etymology

[si.ni.prin'ci.pis] **L. masc. n.** *sinus*, bay or cove; **L. masc. n.** *princeps*, prince; **L. masc. gen. n.** *siniprincipis*, from Prince Cove

Nomenclatural type

[INSDC Nucleotide: CP182343](#) ^{Ts}

Description

The species is established on the basis of MiGA taxonomic novelty analysis, and the type material is the genome CP182343

Classification

Bacteria » *Pseudomonadota* » *Epsilonproteobacteria* » *Campylobacterales* » *Arcobacteraceae* » *Arcobacter* » *Arcobacter siniprincipis*

References

Effective publication: Aguilera-Campos et al., 2025 [1]

Registry URL

<https://seqco.de/i:49748>

Species *Halarcobacter azotofixans*

Etymology

[a.zot.o.fix'ans] **N.L. neut. n.** *azotum*, nitrogen; **N.L. pres. part.** *fixans*, fixing; **N.L. masc. part. adj.** *azotofixans*, nitrogen-fixing

Nomenclatural type

[INSDC Nucleotide: CP182352](#) ^{Ts}

Description

The species is established on the basis of MiGA taxonomic novelty analysis, and the type material is the genome CP182352

Classification

Bacteria » *Pseudomonadota* » *Epsilonproteobacteria* » *Campylobacterales* » *Arcobacteraceae* » *Halarcobacter* » *Halarcobacter azotofixans*

References

Effective publication: Aguilera-Campos et al., 2025 [1]

Registry URL

<https://seqco.de/i:49741>

Species *Halarcobacter ibericensis*

Etymology

[i.be.ri.cen'sis] **N.L. masc. adj.** *ibericensis*, from the Iberian Peninsula

Nomenclatural type

[INSDC Nucleotide: CP187315](#) ^{Ts}

Description

The species is established on the basis of MiGA taxonomic novelty analysis, and the type material is the genome CP182347

Classification

Bacteria » *Pseudomonadota* » *Epsilonproteobacteria* » *Campylobacterales* » *Arcobacteraceae* » *Halarcobacter* » *Halarcobacter ibericensis*

References

Effective publication: Aguilera-Campos et al., 2025 [1]

Registry URL

<https://seqco.de/i:49742>

Species *Maridesulfovibrio pacificus*

Etymology

[pa.ci'fi.cus] **N.L. masc. adj.** *pacificus*, pacific, pertaining to the Pacific Ocean, the source of the genome

Nomenclatural type

[NCBI Assembly: GCA_048612815.1](#) ^{Ts}

Reference Strain

[Strain sc|0038867](#): JBLZNE000000000

Description

The species is established on the basis of MiGA taxonomic novelty analysis, and the type material is the genome JBLZNE000000000

Classification

Bacteria » *Desulfobacterota* » *Desulfovibrionia* » *Desulfovibrionales* » *Desulfovibrionaceae* » *Maridesulfovibrio* » *Maridesulfovibrio pacificus*

References

Effective publication: Aguilera-Campos et al., 2025 [1]

Registry URL

<https://seqco.de/i:49841>

Species *Maridesulfovibrio spiralis*

Etymology

[spi.ra'lis] **L. masc. adj.** *spiralis*, spiraling

Nomenclatural type

[INSDC Nucleotide: CP182344](#) ^{Ts}

Description

The species is established on the basis of MiGA taxonomic novelty analysis, and the type material is the genome CP182344

Classification

Bacteria » *Desulfobacterota* » *Desulfovibrionia* » *Desulfovibrionales* » *Desulfovibrionaceae* » *Maridesulfovibrio* » *Maridesulfovibrio spiralis*

References

Effective publication: Aguilera-Campos et al., 2025 [1]

Registry URL

<https://seqco.de/i:49744>

Species *Marinarcus sediminis*

Etymology

[se.di.mi'nis] **L. gen. n.** *sediminis*, of sediment

Nomenclatural type

[INSDC Nucleotide: CP182357](#) ^{Ts}

Description

The species is established on the basis of MiGA taxonomic novelty analysis, and the type material is the genome CP182357

Classification

Bacteria » *Pseudomonadota* » *Epsilonproteobacteria* » *Campylobacterales* » *Arcobacteraceae* » *Marinarcus* » *Marinarcus sediminis*

References

Effective publication: Aguilera-Campos et al., 2025 [1]

Registry URL

<https://seqco.de/i:49739>

Species *Pseudodesulfovibrio salinus*

Etymology

[sa.li'nus] **L. masc. adj.** *salinus*, of salt, referring to this taxon's recovery from the sea

Nomenclatural type

[INSDC Nucleotide: CP182342](#) ^{Ts}

Description

The species is established on the basis of MiGA taxonomic novelty analysis, and the type material is the genome CP182342

Classification

Bacteria » *Desulfobacterota* » *Desulfovibrionia* » *Desulfovibrionales* » *Desulfovibrionaceae* » *Pseudodesulfovibrio* » *Pseudodesulfovibrio salinus*

References

Effective publication: Aguilera-Campos et al., 2025 [1]

Registry URL

<https://seqco.de/i:49745>

Species *Terasakiella halodenitrificans*

Etymology

[ha.lo.de.ni.tri.fi'cans] **Gr. masc. n.** *hals*, salt; **N.L. pres. part.** *denitrificans*, denitrifying; **N.L. fem. part. adj.** *halodenitrificans*, denitrifying bacterium that is tolerant to salty environments

Nomenclatural type

[INSDC Nucleotide: CP182348](#) ^{Ts}

Description

The species is established on the basis of MiGA taxonomic novelty analysis, and the type material is the genome CP182348

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Rhodospirillales* » *Terasakiellaceae* » *Terasakiella* » *Terasakiella halodenitrificans*

References

Effective publication: Aguilera-Campos et al., 2025 [1]

Registry URL

<https://seqco.de/i:49747>

Species *Thalassodesulfovibrio aquaticus*^{Ts}

Etymology

[a.kwa'ti.cus] **L. masc. adj.** *aquaticus*, living, growing, or found in or by the water, aquatic

Nomenclatural type

[INSDC Nucleotide: CP182354](#)^{Ts}

Description

The species is established on the basis of MiGA taxonomic novelty analysis, and the type material is the genome CP182354

Classification

Bacteria » *Desulfobacterota* » *Desulfovibrionia* » *Desulfovibrionales* » *Desulfovibrionaceae* » *Thalassodesulfovibrio* » *Thalassodesulfovibrio aquaticus*^{Ts}

References

Effective publication: Aguilera-Campos et al., 2025 [1]

Registry URL

<https://seqco.de/i:49749>

References

1. Aguilera-Campos et al. (2025). Anaerobic breviate protist survival in microcosms depends on microbiome metabolic function. *The ISME Journal*. [DOI:10.1093/ismejo/wraf171](https://doi.org/10.1093/ismejo/wraf171)

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:dhfmnria** submitted by **Courtney, Stairs** and including 11 new names has been successfully validated.

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