

Microflora Danica long-read MAG names (species level)

Submitted by Sereika, Mantas

Abstract

Naming for Microflora Danica long-read MAGs, which includes names for species belonging to already named genera

Genus *Aquilonibacter*

Etymology

[Aqui.lo.ni.ba'cter] **L. gen. n.** *aquilonis*, north wind; **N.L. masc. n.** *bacter*, a rod; **N.L. masc. n.** *Aquilonibacter*, northern bacterium, in reference to the recovery from northern (Arctic) soil

Nomenclatural type

Species *Aquilonibacter contiguus*^{Ts}

Description

[Ji et al., 2021](#): Genus defined based on 16S rRNA phylogeny and phylogenomic analysis of 15 ribosomal proteins and the GTDB.

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Aquilonibacter*

References

Effective publication: Sereika et al., 2025 [1]
Original (not valid) publication: Ji et al., 2021 [2]

Registry URL

<https://seqco.de/i:43387>

Genus *Hemerobacter*

Etymology

[He.me.ro.ba'cter] **Gr. fem. n.** *Hemera*, primordial goddess and personification of the Day and daylight in Greek mythology; **N.L. masc. n.** *bacter*, a rod; **N.L. masc. n.** *Hemerobacter*, in reference to a bacterium ability to use daylight for carbon fixation (photoautotrophy)

Nomenclatural type

Species *Hemerobacter aridus*^{Ts}

Description

[Ji et al., 2021](#): Genus defined based on 16S rRNA phylogeny and phylogenomic analysis of 15 ribosomal proteins and the GTDB.

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Hemerobacter*

References

Effective publication: Sereika et al., 2025 [1]
Original (not valid) publication: Ji et al., 2021 [2]

Registry URL

<https://seqco.de/i:42009>

Genus *Sulfobium*

Etymology

[Sul.fo'bi.um] **L. n. neut.** *sulfur*, sulfur; **Gr. n. masc.** *bios*, life; **N.L. neut. n.** *Sulfobium*, a living entity metabolizing sulfur compounds

Nomenclatural type

Species *Sulfobium telluricum*^{Ts}

Description

[Zecchin et al., 2018 \(modified\)](#): Established on the basis of its distinct potential physiology, separation into its own phylogenetic lineage, and its predominant occurrence in habitats of moderate temperature.

Classification

Bacteria » *Nitrospirota* » *Nitrospira* » *Nitrospirales* » *Nitrospiraceae* » *Sulfobium*

References

Effective publication: Sereika et al., 2025 [1]
Original (not valid) publication: Zecchin et al., 2018 [3]

Registry URL

<https://seqco.de/i:349>

Genus *Sulfuritelmatobacter*

Etymology

[Sul.fu.ri.tel.ma.to.bac'ter] **L. neut. n.** *sulfur*, sulfur; **Gr. neut. n.** *telma*, *-atos*, a swamp; **N.L. masc. n.** *bacter*, a rod; **N.L. masc. n.** *Sulfuritelmatobacter*, a sulfur metabolizing rod from a swamp

Nomenclatural type

Species *Sulfuritelmatobacter europaeus*^{Ts}

Description

[Hausmann et al., 2018](#): Genus defined based on DsrAB and concatenated 105 marker gene phylogenies, supplemented with ANI and AAI comparisons.

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » "Sulfuritelmatobacteraceae" » *Sulfuritelmatobacter*

References

Effective publication: Sereika et al., 2025 [1]
Original (not valid) publication: Hausmann et al., 2018 [4]
Corrigendum: Oren et al., 2020 [5] (from "Sulfotelmatobacter")

Registry URL

<https://seqco.de/i:23529>

Species *Acidiferrum aridum*

Etymology

[a'ri.dum] **L. neut. adj.** *aridum*, Dry, referring to a species found in arid soil

Nomenclatural type

[NCBI Assembly: GCA_963833345.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Acidiferrales* » "Acidiferraceae" » *Acidiferrum* » *Acidiferrum aridum*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51550>

Species *Acidiferrum danicum*

Etymology

[da'ni.cum] **L. neut. adj.** *danicum*, Danish, referring to a species found in Denmark

Nomenclatural type

[NCBI Assembly: GCA_963715795.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Acidiferrales* » "Acidiferraceae" » *Acidiferrum* » *Acidiferrum danicum*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51622>

Species *Acidiferrum glebicum*

Etymology

[gle.bi'cum] **L. fem. n.** *gleba*, clod or lump of earth; **L. neut. adj. suff.** *-icum*, suffix used with the sense of belonging to; **N.L. neut. adj.** *glebicum*, Pertinent to lumps of earth, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963729595.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Acidiferrales* » "Acidiferraceae" » *Acidiferrum* » *Acidiferrum glebicum*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51619>

Species *Acidiferrum humicum*

Etymology

[hu'mi.cum] **N.L. neut. adj.** *humicum*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963729455.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Acidiferrales* » "Acidiferraceae" » *Acidiferrum* » *Acidiferrum humicum*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51620>

Species *Acidiferrum propinquum*

Etymology

[pro.pin'quum] **L. neut. adj.** *propinquum*, Near to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963704485.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Acidiferrales* » "Acidiferraceae" » *Acidiferrum* » *Acidiferrum propinquum*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51565>

Species *Acidiferrum proximum*

Etymology

[pro'xi.mum] **L. neut. adj.** *proximum*, Close to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963742325.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Acidiferrales* » "Acidiferraceae" » *Acidiferrum* » *Acidiferrum proximum*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51589>

Species *Acidiferrum scandiae*

Etymology

[scan.di'ae] **N.L. fem. gen. n.** *scandiae*, Scandinavian, referring to a species found in Scandinavia

Nomenclatural type

[NCBI Assembly: GCA_963709675.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Acidiferrales* » "Acidiferraceae" » *Acidiferrum* » *Acidiferrum scandiae*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51592>

Species *Acidiferrum simile*

Etymology

[si.mi'le] **L. neut. adj.** *simile*, Similar, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963842745.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Acidiferrales* » "Acidiferraceae" » *Acidiferrum* » *Acidiferrum simile*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51618>

Species *Acidiferrum terrestre*

Etymology

[ter.res'tre] **L. neut. adj.** *terrestre*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963733775.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Acidiferrales* » "Acidiferraceae" » *Acidiferrum* » *Acidiferrum terrestre*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51559>

Species *Acidiferrum terreum*

Etymology

[ter.re'um] **L. neut. adj.** *terreum*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963779395.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Acidiferrales* » “*Acidiferraceae*” » *Acidiferrum* » *Acidiferrum terreum*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51598>

Species *Acidisarcina arida*

Etymology

[a'ri.da] **L. fem. adj.** *arida*, Dry, referring to a species found in arid soil

Nomenclatural type

[NCBI Assembly: GCA_963720245.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » *Acidobacteriaceae* » *Acidisarcina* » *Acidisarcina arida*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51629>

Species *Acidisarcina glebica*

Etymology

[gle.bi'ca] **L. fem. n.** *gleba*, clod or lump of earth; **L. fem. adj. suff.** *-ica*, suffix used with the sense of belonging to; **N.L. fem. adj.** *glebica*, Pertinent to lumps of earth, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963841345.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » *Acidobacteriaceae* » *Acidisarcina* » *Acidisarcina glebica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51566>

Species *Acidisarcina nordica*

Etymology

[nor'di.ca] **L. fem. adj.** *nordica*, Northern, referring to a species found in the Nordic region (northern Europe)

Nomenclatural type

[NCBI Assembly: GCA_963790505.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » *Acidobacteriaceae* » *Acidisarcina* » *Acidisarcina nordica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51660>

Species *Aestuariivirga nordica*

Etymology

[nor'di.ca] **L. fem. adj.** *nordica*, Northern, referring to a species found in the Nordic region (northern Europe)

Nomenclatural type

[NCBI Assembly: GCA_963754625.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Hyphomicrobiales* » *Aestuariivirgaceae* » *Aestuariivirga* » *Aestuariivirga nordica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51637>

Species *Aestuariivirga scandiae*

Etymology

[scan.di'ae] **N.L. fem. gen. n.** *scandiae*, Scandinavian, referring to a species found in Scandinavia

Nomenclatural type

[NCBI Assembly: GCA_963792525.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Hyphomicrobiales* » *Aestuariivirgaceae* » *Aestuariivirga* » *Aestuariivirga scandiae*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51636>

Species *Aestuariivirga septentrionalis*

Etymology

[sep.ten.tri.o.na'lis] **L. fem. adj.** *septentrionalis*, Northern, referring to a species found in the north (northern Europe)

Nomenclatural type

[NCBI Assembly: GCA_963850355.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Hyphomicrobiales* » *Aestuariivirgaceae* » *Aestuariivirga* » *Aestuariivirga septentrionalis*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51596>

Species *Allosphingosinicella danica*

Etymology

[da'ni.ca] **L. fem. adj.** *danica*, Danish, referring to a species found in Denmark

Nomenclatural type

[NCBI Assembly: GCA_963850005.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Sphingomonadales* » *Sphingomonadaceae* » *Allosphingosinicella* » *Allosphingosinicella danica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51603>

Species *Allosphingosinicella europaea*

Etymology

[eu.ro.pae'a] **L. fem. adj.** *europaea*, European, referring to a species found in Europe

Nomenclatural type

[NCBI Assembly: GCA_963848555.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Sphingomonadales* » *Sphingomonadaceae* » *Allosphingosinicella* » *Allosphingosinicella europaea*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51654>

Species *Allospingosinicella terrea*

Etymology

[ter.re'a] **L. fem. adj.** *terrea*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963701615.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Sphingomonadales* » *Sphingomonadaceae*
» *Allospingosinicella* » *Allospingosinicella terrea*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51653>

Species *Amaricoccus europaeus*

Etymology

[eu.ro.pae'us] **L. masc. adj.** *europaeus*, European, referring to a species found in Europe

Nomenclatural type

[NCBI Assembly: GCA_963829385.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Rhodobacterales* » *Paracoccaceae* »
Amaricoccus » *Amaricoccus europaeus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51595>

Species *Aquilonibacter aridus*

Etymology

[a'ri.dus] **L. masc. adj.** *aridus*, Dry, referring to a species found in arid soil

Nomenclatural type

[NCBI Assembly: GCA_963716415.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » "Baltobacterales" » "Baltobacteraceae" »
Aquilonibacter » *Aquilonibacter aridus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51632>

Species *Aquilonibacter contiguus*^{Ts}

Etymology

[con.ti'gu.us] **L. masc. adj.** *contiguus*, Close to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963703325.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Aquilonibacter* » *Aquilonibacter contiguus*^{Ts}

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51631>

Species *Aquilonibacter nordicus*

Etymology

[nor'di.cus] **L. masc. adj.** *nordicus*, Northern, referring to a species found in the Nordic region (northern Europe)

Nomenclatural type

[NCBI Assembly: GCA_963726285.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Aquilonibacter* » *Aquilonibacter nordicus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51650>

Species *Aquilonibacter vicinus*

Etymology

[vi.ci'nus] **L. masc. adj.** *vicinus*, Close to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963820185.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Aquilonibacter* » *Aquilonibacter vicinus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51656>

Species *Binatus aridus*

Etymology

[a'ri.dus] **L. masc. adj.** *aridus*, Dry, referring to a species found in arid soil

Nomenclatural type

[NCBI Assembly: GCA_963833025.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Desulfobacterota* » *Binatia* » *Binatales* » *Binataceae* » *Binatus* » *Binatus aridus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51630>

Species *Binatus contiguus*

Etymology

[con.ti'gu.us] **L. masc. adj.** *contiguus*, Close to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963808235.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Desulfobacterota* » *Binatia* » *Binatales* » *Binataceae* » *Binatus* » *Binatus contiguus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51560>

Species *Binatus danicus*

Etymology

[da'ni.cus] **L. masc. adj.** *danicus*, Danish, referring to a species found in Denmark

Nomenclatural type

[NCBI Assembly: GCA_963806485.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Desulfobacterota* » *Binatia* » *Binatales* » *Binataceae* » *Binatus* » *Binatus danicus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51571>

Species *Binatus nordicus*

Etymology

[nor'di.cus] **L. masc. adj.** *nordicus*, Northern, referring to a species found in the Nordic region (northern Europe)

Nomenclatural type

[NCBI Assembly: GCA_963722605.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Desulfobacterota* » *Binatia* » *Binatales* » *Binataceae* » *Binatus* » *Binatus nordicus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51627>

Species *Binatus propinquus*

Etymology

[pro.pin'quus] **L. masc. adj.** *propinquus*, Near to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963699705.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Desulfobacterota* » *Binatia* » *Binatales* » *Binataceae* » *Binatus* » *Binatus propinquus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51652>

Species *Binatus scandiae*

Etymology

[scan.di'ae] **N.L. fem. gen. n.** *scandiae*, Scandinavian, referring to a species found in Scandinavia

Nomenclatural type

[NCBI Assembly: GCA_963717005.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Desulfobacterota* » *Binatia* » *Binatales* » *Binataceae* » *Binatus* » *Binatus scandiae*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51642>

Species *Binatus similis*

Etymology

[si.mi'lis] **L. masc. adj.** *similis*, Similar, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963711565.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Desulfobacterota* » *Binatia* » *Binatales* » *Binataceae* » *Binatus* » *Binatus similis*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51628>

Species *Binatus terreus*

Etymology

[ter.re'us] **L. masc. adj.** *terreus*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963842085.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Desulfobacterota* » *Binatia* » *Binatales* » *Binataceae* » *Binatus* » *Binatus terreus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51655>

Species *Binatus vicinus*

Etymology

[vi.ci'nus] **L. masc. adj.** *vicinus*, Close to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963724395.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Desulfobacterota* » *Binatia* » *Binatales* » *Binataceae* » *Binatus* » *Binatus vicinus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51604>

Species *Brooklawnia lacustris*

Etymology

[la.cus'tris] **L. fem. adj.** *lacustris*, Pertinent to a lake, referring to a species found in a lake

Nomenclatural type

[NCBI Assembly: GCA_963780175.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Actinomycetes* » *Propionibacteriales* » *Propionibacteriaceae* » *Brooklawnia* » *Brooklawnia lacustris*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51584>

Species *Cybelea adiacens*

Etymology

[ad.ia'cens] **L. fem. part. adj.** *adiacens*, Next to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963787705.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » "Baltobacterales" » "Baltobacteraceae" » *Cybelea* » *Cybelea adiacens*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51553>

Species *Cybelea affinis*

Etymology

[af.fi'nis] **L. fem. adj.** *affinis*, Akin, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963752825.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » "Baltobacterales" » "Baltobacteraceae" » *Cybelea* » *Cybelea affinis*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51574>

Species *Cybelea arida*

Etymology

[a'ri.da] **L. fem. adj.** *arida*, Dry, referring to a species found in arid soil

Nomenclatural type

[NCBI Assembly: GCA_963759245.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Cybelea* » *Cybelea arida*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51556>

Species *Cybelea danica*

Etymology

[da'ni.ca] **L. fem. adj.** *danica*, Danish, referring to a species found in Denmark

Nomenclatural type

[NCBI Assembly: GCA_963748875.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Cybelea* » *Cybelea danica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51562>

Species *Cybelea humica*

Etymology

[hu'mi.ca] **N.L. fem. adj.** *humica*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963722595.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Cybelea* » *Cybelea humica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51572>

Species *Cybelea proxima*

Etymology

[pro'xi.ma] **L. fem. adj.** *proxima*, Close to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963713685.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Cybelea* » *Cybelea proxima*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51548>

Species *Cybelea scandiae*

Etymology

[scan.di'ae] **N.L. fem. gen. n.** *scandiae*, Scandinavian, referring to a species found in Scandinavia

Nomenclatural type

[NCBI Assembly: GCA_963790985.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Cybelea* » *Cybelea scandiae*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51602>

Species *Cybelea similis*

Etymology

[si.mi'lis] **L. fem. adj.** *similis*, Similar, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963834895.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Cybelea* » *Cybelea similis*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51573>

Species *Cybelea terrea*

Etymology

[ter.re'a] **L. fem. adj.** *terrea*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963829005.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Cybelea* » *Cybelea terrea*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51551>

Species *Cybelea vicina*

Etymology

[vi.ci'na] **L. fem. adj.** *vicina*, Close to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963745145.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Cybelea* » *Cybelea vicina*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51561>

Species *Hemerobacter aridus*^{Ts}

Etymology

[a'ri.dus] **L. masc. adj.** *aridus*, Dry, referring to a species found in arid soil

Nomenclatural type

[NCBI Assembly: GCA_963699285.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Hemerobacter* » *Hemerobacter aridus*^{Ts}

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51651>

Species *Humimonas humica*

Etymology

[hu'mi.ca] **N.L. fem. adj.** *humica*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963783385.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Gemmatimonadota* » *Gemmatimonadetes* » *Palauibacterales* » *Palauibacteraceae* » *Humimonas* » *Humimonas humica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51616>

Species *Longimicrobium litorale*

Etymology

[li.to.ra'le] **L. neut. adj.** *litorale*, Pertinent to the coast, referring to a species found in the coast

Nomenclatural type

[NCBI Assembly: GCA_963701155.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Gemmatimonadota* » *Longimicrobiia* » *Longimicrobiales* » *Longimicrobiaceae* » *Longimicrobium* » *Longimicrobium litorale*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51615>

Species *Methylovirgula affinis*

Etymology

[af.fi'nis] **L. fem. adj.** *affinis*, Akin, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963704315.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Hyphomicrobiales* » *Beijerinckiaceae* » *Methylovirgula* » *Methylovirgula affinis*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51570>

Species *Methylovirgula europaea*

Etymology

[eu.ro.pae'a] **L. fem. adj.** *europaea*, European, referring to a species found in Europe

Nomenclatural type

[NCBI Assembly: GCA_963704745.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Hyphomicrobiales* » *Beijerinckiaceae* » *Methylovirgula* » *Methylovirgula europaea*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51635>

Species *Methylovirgula glebica*

Etymology

[gle.bi'ca] **L. fem. n.** *gleba*, clod or lump of earth; **L. fem. adj. suff.** *-ica*, suffix used with the sense of belonging to; **N.L. fem. adj.** *glebica*, Pertinent to lumps of earth, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963697785.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Hyphomicrobiales* » *Beijerinckiaceae* » *Methylovirgula* » *Methylovirgula glebica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51623>

Species *Methylovirgula humica*

Etymology

[hu'mi.ca] **N.L. fem. adj.** *humica*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963806675.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Hyphomicrobiales* » *Beijerinckiaceae* » *Methylovirgula* » *Methylovirgula humica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51646>

Species *Methylovirgula nordica*

Etymology

[nor'di.ca] **L. fem. adj.** *nordica*, Northern, referring to a species found in the Nordic region (northern Europe)

Nomenclatural type

[NCBI Assembly: GCA_963759985.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Hyphomicrobiales* » *Beijerinckiaceae* » *Methylovirgula* » *Methylovirgula nordica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51621>

Species *Methylovirgula similis*

Etymology

[si.mi'lis] **L. fem. adj.** *similis*, Similar, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963782195.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Hyphomicrobiales* » *Beijerinckiaceae* » *Methylovirgula* » *Methylovirgula similis*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51611>

Species *Miltoncostaea arida*

Etymology

[a'ri.da] **L. fem. adj.** *arida*, Dry, referring to a species found in arid soil

Nomenclatural type

[NCBI Assembly: GCA_963703045.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Thermoleophilia* » "Miltoncostaeales" » "Miltoncostaeaceae" » *Miltoncostaea* » *Miltoncostaea arida*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51583>

Species *Miltoncostaea orica*

Etymology

[o.ri'ca] **L. fem. n.** *ora*, coastline; **L. fem. adj. suff.** *-ica*, suffix used with the sense of belonging to; **N.L. fem. adj.** *orica*, Pertinent to the coast, referring to a species found in the coast

Nomenclatural type

[NCBI Assembly: GCA_963771025.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Thermoleophilia* » “Miltoncostaeales” » “Miltoncostaeaceae” » *Miltoncostaea* » *Miltoncostaea orica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51649>

Species *Nocardioides adiacens*

Etymology

[ad.ia'cens] **L. masc. part. adj.** *adiacens*, Next to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963754025.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Actinomycetes* » *Propionibacteriales* » *Nocardioideaceae* » *Nocardioides* » *Nocardioides adiacens*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51582>

Species *Nocardioides aridus*

Etymology

[a'ri.dus] **L. masc. adj.** *aridus*, Dry, referring to a species found in arid soil

Nomenclatural type

[NCBI Assembly: GCA_963795115.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Actinomycetes* » *Propionibacteriales* » *Nocardioideaceae* » *Nocardioides* » *Nocardioides aridus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51577>

Species *Nocardioides contiguus*

Etymology

[con.ti'gu.us] **L. masc. adj.** *contiguus*, Close to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963767955.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Actinomycetes* » *Propionibacteriales* » *Nocardioideaceae* » *Nocardioides* » *Nocardioides contiguus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51578>

Species *Nocardioides danicus*

Etymology

[da'ni.cus] **L. masc. adj.** *danicus*, Danish, referring to a species found in Denmark

Nomenclatural type

[NCBI Assembly: GCA_963714475.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Actinomycetes* » *Propionibacteriales* » *Nocardioideaceae* » *Nocardioides* » *Nocardioides danicus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51579>

Species *Nocardioides glebicus*

Etymology

[gle.bi'cus] **L. fem. n.** *gleba*, clod or lump of earth; **L. masc. adj. suff.** *-icus*, suffix used with the sense of belonging to; **N.L. masc. adj.** *glebicus*, Pertinent to lumps of earth, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963846535.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Actinomycetes* » *Propionibacteriales* » *Nocardioideaceae* » *Nocardioides* » *Nocardioides glebicus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51575>

Species *Nocardioides humicus*

Etymology

[hu'mi.cus] **N.L. masc. adj.** *humicus*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963726525.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Actinomycetes* » *Propionibacteriales* » *Nocardioideae* » *Nocardioides* » *Nocardioides humicus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51613>

Species *Nocardioides nordicus*

Etymology

[nor'di.cus] **L. masc. adj.** *nordicus*, Northern, referring to a species found in the Nordic region (northern Europe)

Nomenclatural type

[NCBI Assembly: GCA_963827195.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Actinomycetes* » *Propionibacteriales* » *Nocardioideae* » *Nocardioides* » *Nocardioides nordicus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51576>

Species *Nocardioides oricus*

Etymology

[o.ri'cus] **L. fem. n.** *ora*, coastline; **L. masc. adj. suff.** *-icus*, suffix used with the sense of belonging to; **N.L. masc. adj.** *oricus*, Pertinent to the coast, referring to a species found in the coast

Nomenclatural type

[NCBI Assembly: GCA_963784545.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Actinomycetes* » *Propionibacteriales* » *Nocardioideae* » *Nocardioides* » *Nocardioides oricus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51612>

Species *Nocardioides terreus*

Etymology

[ter.re'us] **L. masc. adj.** *terreus*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963850965.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Actinomycetes* » *Propionibacteriales* » *Nocardioideaceae* » *Nocardioides* » *Nocardioides terreus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51580>

Species *Nocardioides vicinus*

Etymology

[vi.ci'nus] **L. masc. adj.** *vicinus*, Close to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963795215.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Actinomycetes* » *Propionibacteriales* » *Nocardioideaceae* » *Nocardioides* » *Nocardioides vicinus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51581>

Species *Occallatibacter contiguus*

Etymology

[con.ti'gu.us] **L. masc. adj.** *contiguus*, Close to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963800145.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » *Acidobacteriaceae* » *Occallatibacter* » *Occallatibacter contiguus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51594>

Species *Occallatibacter glebicus*

Etymology

[gle.bi'cus] **L. fem. n.** *gleba*, clod or lump of earth; **L. masc. adj. suff.** *-icus*, suffix used with the sense of belonging to; **N.L. masc. adj.** *glebicus*, Pertinent to lumps of earth, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963823805.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » *Acidobacteriaceae* » *Occallatibacter* » *Occallatibacter glebicus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51563>

Species *Occallatibacter lacustris*

Etymology

[la.cus'tris] **L. masc. adj.** *lacustris*, Pertinent to a lake, referring to a species found in a lake

Nomenclatural type

[NCBI Assembly: GCA_963806565.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » *Acidobacteriaceae* » *Occallatibacter* » *Occallatibacter lacustris*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51569>

Species *Occallatibacter propinquus*

Etymology

[pro.pin'quus] **L. masc. adj.** *propinquus*, Near to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963839215.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » *Acidobacteriaceae* » *Occallatibacter* » *Occallatibacter propinquus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51587>

Species *Occallatibacter proximus*

Etymology

[pro'xi.mus] **L. masc. adj.** *proximus*, Close to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963783065.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » *Acidobacteriaceae* » *Occallatibacter* » *Occallatibacter proximus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51593>

Species *Occallatibacter scandiae*

Etymology

[scan.di'ae] **N.L. fem. gen. n.** *scandiae*, Scandinavian, referring to a species found in Scandinavia

Nomenclatural type

[NCBI Assembly: GCA_963804155.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » *Acidobacteriaceae* » *Occallatibacter* » *Occallatibacter scandiae*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51568>

Species *Occallatibacter septentrionalis*

Etymology

[sep.ten.tri.o.na'lis] **L. masc. adj.** *septentrionalis*, Northern, referring to a species found in the north (northern Europe)

Nomenclatural type

[NCBI Assembly: GCA_963710875.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » *Acidobacteriaceae* » *Occallatibacter* » *Occallatibacter septentrionalis*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51564>

Species *Occallatibacter telluricus*

Etymology

[te.l.lu.ri'cus] **L. gen. fem. n.** *telluris*, soil or earth; **L. masc. adj. suff.** *-icus*, suffix used with the sense of belonging to; **L. masc. adj.** *telluricus*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963787995.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » *Acidobacteriaceae* » *Occallatibacter* » *Occallatibacter telluricus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51567>

Species *Occallatibacter terreus*

Etymology

[ter.re'us] **L. masc. adj.** *terreus*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963829535.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » *Acidobacteriaceae* » *Occallatibacter* » *Occallatibacter terreus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51590>

Species *Occallatibacter vicinus*

Etymology

[vi.ci'nus] **L. masc. adj.** *vicinus*, Close to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963742455.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » *Acidobacteriaceae* » *Occallatibacter* » *Occallatibacter vicinus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51591>

Species *Planosporangium terrestre*

Etymology

[ter.res'tre] **L. neut. adj.** *terrestre*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963837285.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Actinomycetes* » *Micromonosporales* » *Micromonosporaceae* » *Planosporangium* » *Planosporangium terrestre*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51639>

Species *Propionicimonas affinis*

Etymology

[af.fi'nis] **L. fem. adj.** *affinis*, Akin, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963848845.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Actinomycetes* » *Propionibacteriales* » *Propionibacteriaceae* » *Propionicimonas* » *Propionicimonas affinis*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51661>

Species *Pukyongia nordica*

Etymology

[nor'di.ca] **L. fem. adj.** *nordica*, Northern, referring to a species found in the Nordic region (northern Europe)

Nomenclatural type

[NCBI Assembly: GCA_963768085.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Bacteroidota* » *Flavobacteriia* » *Flavobacteriales* » *Flavobacteriaceae* » *Pukyongia* » *Pukyongia nordica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51624>

Species *Rhizomicrobium affine*

Etymology

[af.fi'ne] **L. neut. adj.** *affine*, Akin, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963805005.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Micropepsales* » *Micropepsaceae* » *Rhizomicrobium* » *Rhizomicrobium affine*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51626>

Species *Rhizomicrobium humicum*

Etymology

[hu'mi.cum] **N.L. neut. adj.** *humicum*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963741735.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Micropepsales* » *Micropepsaceae* » *Rhizomicrobium* » *Rhizomicrobium humicum*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51601>

Species *Rhizomicrobium terrestre*

Etymology

[ter.res'tre] **L. neut. adj.** *terrestre*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963789595.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Micropepsales* » *Micropepsaceae* » *Rhizomicrobium* » *Rhizomicrobium terrestre*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51605>

Species *Rhodopila glebica*

Etymology

[gle.bi'ca] **L. fem. n.** *gleba*, clod or lump of earth; **L. fem. adj. suff.** *-ica*, suffix used with the sense of belonging to; **N.L. fem. adj.** *glebica*, Pertinent to lumps of earth, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963797305.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Rhodospirillales* » *Acetobacteraceae* » *Rhodopila* » *Rhodopila glebica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51657>

Species *Rhodopirellula aquidulcis*

Etymology

[a.qui.dul'cis] **L. fem. n.** *aqua*, water; **L. fem. adj.** *dulcis*, sweet; **N.L. fem. adj.** *aquidulcis*, Pertinent to freshwater, referring to a species found in freshwater

Nomenclatural type

[NCBI Assembly: GCA_963833245.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Planctomycetota* » *Planctomycetia* » *Pirellulales* » *Pirellulaceae* » *Rhodopirellula* » *Rhodopirellula aquidulcis*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51617>

Species *Salsipaludibacter oricus*

Etymology

[o.ri'cus] **L. fem. n.** *ora*, coastline; **L. masc. adj. suff.** *-icus*, suffix used with the sense of belonging to; **N.L. masc. adj.** *oricus*, Pertinent to the coast, referring to a species found in the coast

Nomenclatural type

[NCBI Assembly: GCA_963735045.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Actinomycetota* » *Nitriliruptoria* » *Salsipaludibacterales* » *Salsipaludibacteraceae* » *Salsipaludibacter* » *Salsipaludibacter oricus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51648>

Species *Sulfobium telluricum*^{Ts}

Etymology

[te.l.lu.ri'cum] **L. gen. fem. n.** *telluris*, soil or earth; **L. neut. adj. suff.** *-icum*, suffix used with the sense of belonging to; **L. neut. adj.** *telluricum*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963811165.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Nitrospirota* » *Nitrospira* » *Nitrospirales* » *Nitrospiraceae* » *Sulfobium* » *Sulfobium telluricum*^{Ts}

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51600>

Species *Sulfuricystis danica*

Etymology

[da'ni.ca] **L. fem. adj.** *danica*, Danish, referring to a species found in Denmark

Nomenclatural type

[NCBI Assembly: GCA_963816095.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Betaproteobacteria* » *Nitrosomonadales* » *Sterolibacteriaceae* » *Sulfuricystis* » *Sulfuricystis danica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51638>

Species *Sulfuritelmatobacter adiacens*

Etymology

[ad.ia'cens] **L. masc. part. adj.** *adiacens*, Next to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963696285.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » "Sulfuritelmatobacteraceae" » *Sulfuritelmatobacter* » *Sulfuritelmatobacter adiacens*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51547>

Species *Sulfurimatobacter aridus*

Etymology

[a'ri.dus] **L. masc. adj.** *aridus*, Dry, referring to a species found in arid soil

Nomenclatural type

[NCBI Assembly: GCA_963830295.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » "Sulfurimatobacteraceae" » *Sulfurimatobacter* » *Sulfurimatobacter aridus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51554>

Species *Sulfurimatobacter danicus*

Etymology

[da'ni.cus] **L. masc. adj.** *danicus*, Danish, referring to a species found in Denmark

Nomenclatural type

[NCBI Assembly: GCA_963787495.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » "Sulfurimatobacteraceae" » *Sulfurimatobacter* » *Sulfurimatobacter danicus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51549>

Species *Sulfurimatobacter europaeus*^{Ts}

Etymology

[eu.ro.pae'us] **L. masc. adj.** *europaeus*, European, referring to a species found in Europe

Nomenclatural type

[NCBI Assembly: GCA_963715875.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » "Sulfurimatobacteraceae" » *Sulfurimatobacter* » *Sulfurimatobacter europaeus*^{Ts}

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51546>

Species *Sulfuritelmatobacter glebicus*

Etymology

[gle.bi'cus] **L. fem. n.** *gleba*, clod or lump of earth; **L. masc. adj. suff.** *-icus*, suffix used with the sense of belonging to; **N.L. masc. adj.** *glebicus*, Pertinent to lumps of earth, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963789875.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » “*Sulfuritelmatobacteraceae*” » *Sulfuritelmatobacter* » *Sulfuritelmatobacter glebicus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51552>

Species *Sulfuritelmatobacter humicus*

Etymology

[hu'mi.cus] **N.L. masc. adj.** *humicus*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963707325.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » “*Sulfuritelmatobacteraceae*” » *Sulfuritelmatobacter* » *Sulfuritelmatobacter humicus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51544>

Species *Sulfuritelmatobacter nordicus*

Etymology

[nor'di.cus] **L. masc. adj.** *nordicus*, Northern, referring to a species found in the Nordic region (northern Europe)

Nomenclatural type

[NCBI Assembly: GCA_963765825.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » “*Sulfuritelmatobacteraceae*” » *Sulfuritelmatobacter* » *Sulfuritelmatobacter nordicus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51543>

Species *Sulfuritelmatobacter proximus*

Etymology

[pro'xi.mus] **L. masc. adj.** *proximus*, Close to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963801885.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » “*Sulfuritelmatobacteraceae*” » *Sulfuritelmatobacter* » *Sulfuritelmatobacter proximus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51558>

Species *Sulfuritelmatobacter scandiae*

Etymology

[scan.di'ae] **N.L. fem. gen. n.** *scandiae*, Scandinavian, referring to a species found in Scandinavia

Nomenclatural type

[NCBI Assembly: GCA_963838015.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » “*Sulfuritelmatobacteraceae*” » *Sulfuritelmatobacter* » *Sulfuritelmatobacter scandiae*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51557>

Species *Sulfuritelmatobacter vicinus*

Etymology

[vi.ci'nus] **L. masc. adj.** *vicinus*, Close to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963702775.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » “*Sulfuritelmatobacteraceae*” » *Sulfuritelmatobacter* » *Sulfuritelmatobacter vicinus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51545>

Species *Tumulicola arida*

Etymology

[a'ri.da] **L. fem. adj.** *arida*, Dry, referring to a species found in arid soil

Nomenclatural type

[NCBI Assembly: GCA_963782065.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Tumulicola* » *Tumulicola arida*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51614>

Species *Tumulicola humica*

Etymology

[hu'mi.ca] **N.L. fem. adj.** *humica*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963755555.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Tumulicola* » *Tumulicola humica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51647>

Species *Tumulicola propinqua*

Etymology

[pro.pin'qua] **L. fem. adj.** *propinqua*, Near to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963704715.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Tumulicola* » *Tumulicola propinqua*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51645>

Species *Usitatibacter terreus*

Etymology

[ter.re'us] **L. masc. adj.** *terreus*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963839265.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Betaproteobacteria* » *Nitrosomonadales* » *Usitatibacteraceae* » *Usitatibacter* » *Usitatibacter terreus*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51599>

Species *Velthaea humica*

Etymology

[hu'mi.ca] **N.L. fem. adj.** *humica*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963701255.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » “Baltobacterales” » “Baltobacteraceae” » *Velthaea* » *Velthaea humica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51588>

Species *Vitreimonas glebica*

Etymology

[gle.bi'ca] **L. fem. n.** *gleba*, clod or lump of earth; **L. fem. adj. suff.** *-ica*, suffix used with the sense of belonging to; **N.L. fem. adj.** *glebica*, Pertinent to lumps of earth, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963837475.1](#) ^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Maricaulales* » *Robiginitomaculaceae* » *Vitreimonas* » *Vitreimonas glebica*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:51640>

References

1. Sereika et al. (2025). Genome-resolved long-read sequencing expands known microbial diversity across terrestrial habitats. *Nature Microbiology*. DOI:[10.1038/s41564-025-02062-z](https://doi.org/10.1038/s41564-025-02062-z)
2. Ji et al. (2021). *Candidatus* Eremiobacterota, a metabolically and phylogenetically diverse terrestrial phylum with acid-tolerant adaptations. *The ISME Journal*. DOI:[10.1038/s41396-021-00944-8](https://doi.org/10.1038/s41396-021-00944-8)
3. Zecchin et al. (2018). Rice Paddy Nitrospirae Carry and Express Genes Related to Sulfate Respiration: Proposal of the New Genus “*Candidatus* Sulfobium”. *Applied and Environmental Microbiology*. DOI:[10.1128/aem.02224-17](https://doi.org/10.1128/aem.02224-17)
4. Hausmann et al. (2018). Peatland *Acidobacteri*a with a dissimilatory sulfur metabolism. *The ISME Journal*. DOI:[10.1038/s41396-018-0077-1](https://doi.org/10.1038/s41396-018-0077-1)
5. Oren et al. (2020). Lists of names of prokaryotic *Candidatus* taxa. *International Journal of Systematic and Evolutionary Microbiology*. DOI:[10.1099/ijsem.0.003789](https://doi.org/10.1099/ijsem.0.003789)

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:5pc-9lmc** submitted by **Sereika, Mantas** and including 106 new names has been successfully validated.

Date of Priority: 2025-10-07 05:27 UTC

DOI: 10.57973/seqcode.r:5pc-9lmc

