

Register list for 42 new names including Binataceae fam. nov.

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Phylum *Methylomirabilota*

Etymology

[Me.thy.lo.mi.ra.bi.lo'ta] N.L. fem. n. *Methylomirabilis*, type genus of the phylum; *-ota*, ending to denote a phylum; N.L. neut. pl. n. *Methylomirabilota*, the Methylomirabilis phylum

Nomenclatural type

Genus *Methylomirabilis*

Description

The phylum constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The phylum contains the class *Methylomirabilia*.

Classification

Bacteria » *Methylomirabilota*

References

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

Registry URL

<https://seqco.de/i:31944>

Class *Binatia*

Etymology

[Bi.na'ti.a] N.L. masc. n. *Binatus*, type genus of the class; *-ia*, ending to denote a class; N.L. neut. pl. n. *Binatia*, the Binatus class

Nomenclatural type

Genus *Binatus*

Description

The class constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The class contains the order *Binatales*.

Classification

Bacteria » *Desulfobacterota* » *Binatia*

References

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

Registry URL

<https://seqco.de/i:31413>

Class *Bipolaricaulia*

Etymology

[Bi.po.la.ri.cau'li.a] N.L. masc. n. *Bipolaricaulis*, type genus of the class; *-ia*, ending to denote a class; N.L. neut. pl. n. *Bipolaricaulia*, the Bipolaricaulis class

Nomenclatural type

Genus *Bipolaricaulis*

Description

The class constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The class contains the order *Bipolaricaulales*.

Classification

Bacteria » *Bipolaricaulota* » *Bipolaricaulia*

References

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

Registry URL

<https://seqco.de/i:31922>

Class *Kapaibacteriia*

Etymology

[Ka.pa.i.bac.te.ri'i.a] **N.L. neut. n.** *Kapaibacterium*, type genus of the class; *-ia*, ending to denote a class; **N.L. neut. pl. n.** *Kapaibacteriia*, the Kapaibacterium class

Nomenclatural type

Genus *Kapaibacterium*

Description

The class constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The class contains the order *Kapaibacteriales*.

Classification

Bacteria » *Bacteroidota* » *Kapaibacteriia*

References

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

Registry URL

<https://seqco.de/i:31938>

Class *Methylomirabilia*

Etymology

[Me.thy.lo.mi.ra.bi'li.a] **N.L. fem. n.** *Methylomirabilis*, type genus of the class; *-ia*, ending to denote a class; **N.L. neut. pl. n.** *Methylomirabilia*, the Methylomirabilis class

Nomenclatural type

Genus *Methylomirabilis*

Description

The class constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The class contains the following orders: *Methylomirabilales*, *Candidatus Rokubacteriales*.

Classification

Bacteria » *Methylomirabilota* » *Methylomirabilia*

References

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

Registry URL

<https://seqco.de/i:31943>

Class *Muiribacteriia*

Etymology

[Mui.ri.bac.te.ri'i.a] N.L. neut. n. *Muiribacterium*, type genus of the class; *-ia*, ending to denote a class; N.L. neut. pl. n. *Muiribacteriia*, the Muiribacterium class

Nomenclatural type

Genus *Muiribacterium*

Description

The class constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The class contains the order *Muiribacteriales*.

Classification

Bacteria » *Muiribacteriota* » *Muiribacteriia*

References

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

Registry URL

<https://seqco.de/i:31949>

Class *Cloacimonadia*

Etymology

[Clo.a.ci.mo.na'di.a] N.L. fem. n. *Cloacimonas*, type genus of the class; N.L. neut. pl. n. *Cloacimonadia*, the Cloacimonas class

Nomenclatural type

Genus *Cloacimonas*

Description

The class constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The class contains the order *Cloacimonadales*.

Classification

Bacteria » *Cloacimonadota* » *Cloacimonadia*

References

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

Registry URL

<https://seqco.de/i:31336>

Class *Hydrothermia*

Etymology

[Hy.dro.ther'mi.a] N.L. masc. n. *Hydrothermus*, type genus of the class; *-ia*, ending to denote a class; N.L. neut. pl. n. *Hydrothermia*, the Hydrothermus class

Nomenclatural type

Genus *Hydrothermus*

Description

The class constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The class contains the order *Hydrothermales*.

Classification

Bacteria » "Hydrothermota" » *Hydrothermia*

References

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

Registry URL

<https://seqco.de/i:31418>

Order *Binatales*

Etymology

[Bi.na.ta'les] N.L. masc. n. *Binatus*, type genus of the order; *-ales*, ending to denote an order; N.L. fem. pl. n. *Binatales*, the Binatus order

Nomenclatural type

Genus *Binatus*

Description

The order constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The order contains the family *Binataceae*.

Classification

Bacteria » *Desulfobacterota* » *Binatia* » *Binatales*

References

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

Registry URL

<https://seqco.de/i:31412>

Order *Hydrothermales*

Etymology

[Hy.dro.ther.ma'les] N.L. masc. n. *Hydrothermus*, type genus of the order; *-ales*, ending to denote an order; N.L. fem. pl. n. *Hydrothermales*, the Hydrothermus order

Nomenclatural type

Genus *Hydrothermus*

Description

The order constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The order contains the family *Hydrothermaceae*.

Classification

Bacteria » "Hydrothermota" » *Hydrothermia* » *Hydrothermales*

References

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

Registry URL

<https://seqco.de/i:31417>

Order *Bipolaricaulales*

Etymology

[Bi.po.la.ri.cau.la'les] N.L. masc. n. *Bipolaricaulis*, type genus of the order; *-ales*, ending to denote an order; N.L. fem. pl. n. *Bipolaricaulales*, the Bipolaricaulis order

Nomenclatural type

Genus *Bipolaricaulis*

Description

The order constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The order contains the family *Bipolaricaulaceae*.

Classification

Bacteria » *Bipolaricaulota* » *Bipolaricaulia* » *Bipolaricaulales*

References

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

Registry URL

<https://seqco.de/i:31921>

Order *Johnevansiales*

Etymology

[John.e.van.si.a'les] N.L. fem. n. *Johnevansia*, type genus of the order; *-ales*, ending to denote an order; N.L. fem. pl. n. *Johnevansiales*, the Johnevansia order

Nomenclatural type

Genus *Johnevansia*

Description

The order constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The order contains the family *Johnevansiaceae*.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Johnevansiales*

References

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

Registry URL

<https://seqco.de/i:31933>

Order *Kapaibacteriales*

Etymology

[Ka.pa.i.bac.te.ri.a'les] N.L. neut. n. *Kapaibacterium*, type genus of the order; *-ales*, ending to denote an order; N.L. fem. pl. n. *Kapaibacteriales*, the Kapaibacterium order

Nomenclatural type

Genus *Kapaibacterium*

Description

The order constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The order contains the family *Kapaibacteriaceae*.

Classification

Bacteria » *Bacteroidota* » *Kapaibacteriia* » *Kapaibacteriales*

References

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

Registry URL

<https://seqco.de/i:31937>

Order *Methylomirabilales*

Etymology

[Me.thy.lo.mi.ra.bi.la'les] N.L. **fem. n.** *Methylomirabilis*, type genus of the order; *-ales*, ending to denote an order; N.L. **fem. pl. n.** *Methylomirabiales*, the Methylomirabilis order

Nomenclatural type

Genus *Methylomirabilis*

Description

The order constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The order contains the family *Methylomirabilaceae*.

Classification

Bacteria » *Methylomirabilota* » *Methylomirabilia* » *Methylomirabiales*

References

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

Registry URL

<https://seqco.de/i:31942>

Order *Muiribacteriales*

Etymology

[Mui.ri.bac.te.ri.a'les] N.L. **neut. n.** *Muiribacterium*, type genus of the order; *-ales*, ending to denote an order; N.L. **fem. pl. n.** *Muiribacteriales*, the Muiribacterium order

Nomenclatural type

Genus *Muiribacterium*

Description

The order constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The order contains the family *Muiribacteriaceae*.

Classification

Bacteria » *Muiribacteriota* » *Muiribacteriia* » *Muiribacteriales*

References

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

Registry URL

<https://seqco.de/i:31948>

Order *Cloacimonadales*

Etymology

[Clo.a.ci.mo.na.da'les] N.L. **fem. n.** *Cloacimonas*, type genus of the order; *-ales*, ending to denote an order; N.L. **fem. pl. n.** *Cloacimonadales*, the Cloacimonas order

Nomenclatural type

Genus *Cloacimonas*

Description

The order constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The order contains the family *Cloacimonadaceae*.

Classification

Bacteria » *Cloacimonadota* » *Cloacimonadia* » *Cloacimonadales*

References

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

Registry URL

<https://seqco.de/i:31335>

Order *Puniceispirillales*

Etymology

[Pu.ni.ce.i.spi.ril.la'les] N.L. neut. n. *Puniceispirillum*, type genus of the order; *-ales*, ending to denote an order; N.L. fem. pl. n. *Puniceispirillales*, the Puniceispirillum order

Nomenclatural type

Genus *Puniceispirillum*

Description

The order constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The order contains the family *Puniceispirillaceae*.

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Puniceispirillales*

References

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

Registry URL

<https://seqco.de/i:31341>

Order *Saccharimonadales*

Etymology

[Sac.cha.ri.mo.na.da'les] N.L. fem. n. *Saccharimonas*, type genus of the order; *-ales*, ending to denote an order; N.L. fem. pl. n. *Saccharimonadales*, the Saccharimonas order

Nomenclatural type

Genus *Saccharimonas*

Description

The order constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The order contains the family *Saccharimonadaceae*.

Classification

Bacteria » *Candidatus Patescibacteria* » “*Saccharimonadia*” » *Saccharimonadales*

References

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

Registry URL

<https://seqco.de/i:31966>

Order *Tenderiales*

Etymology

[Ten.de.ri.a'les] N.L. fem. n. *Tenderia*, type genus of the order; *-ales*, ending to denote an order; N.L. fem. pl. n. *Tenderiales*, the Tenderia order

Nomenclatural type

Genus *Tenderia*

Description

The order constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The order contains the family *Tenderiaceae*.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Tenderiales*

References

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

Registry URL

<https://seqco.de/i:23553>

Order *Thermobaculales*

Etymology

[Ther.mo.ba.cu.la'les] N.L. neut. n. *Thermobaculum*, type genus of the order; *-ales*, ending to denote an order; N.L. fem. pl. n. *Thermobaculales*, the Thermobaculum order

Nomenclatural type

Genus *Thermobaculum*

Description

The order constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The order contains the family *Thermobaculaceae*.

Classification

Bacteria » *Chloroflexota* » *Chloroflexia* » *Thermobaculales*

References

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

Registry URL

<https://seqco.de/i:31971>

Order *Promineifilales*

Etymology

[Pro.mi.ne.i.fi.la'les] N.L. neut. n. *Promineifilum*, type genus of the order; *-ales*, ending to denote an order; N.L. fem. pl. n. *Promineifilales*, the Promineifilum order

Nomenclatural type

Genus *Promineifilum*

Description

The order constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The order contains the family *Promineifilaceae*.

Classification

Bacteria » *Chloroflexota* » *Anaerolineae* » *Promineifilales*

References

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

Registry URL

<https://seqco.de/i:31960>

Family *Binataceae*

Etymology

[Bi.na.ta'ce.ae] N.L. **masc. n.** *Binatus*, type genus of the family; *-aceae*, ending to denote a family; N.L. **fem. pl. n.** *Binataceae*, the Binatus family

Nomenclatural type

Genus *Binatus*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the genus *Binatus*.

Classification

Bacteria » *Desulfobacterota* » *Binatia* » *Binatales* » *Binataceae*

References

Effective publication: Chuvochina et al., 2023 [1]
Assigned taxonomically: Chuvochina et al., 2019 [2]

Registry URL

<https://seqco.de/i:31411>

Family *Hydrothermaceae*

Etymology

[Hy.dro.ther.ma.ce'ae] N.L. **masc. n.** *Hydrothermus*, type genus of the family; *-aceae*, ending to denote a family; N.L. **fem. pl. n.** *Hydrothermaceae*, the Hydrothermus family

Nomenclatural type

Genus *Hydrothermus*

Description

The order constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The order contains the family *Hydrothermaceae*.

Classification

Bacteria » "Hydrothermota" » *Hydrothermia* » *Hydrothermales* » *Hydrothermaceae*

References

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

Registry URL

<https://seqco.de/i:31416>

Family *Azobacteroidaceae*

Etymology

[A.zo.bac.te.ro.i.da.ce'ae] N.L. **masc. n.** *Azobacteroides*, type genus of the family; *-aceae*, ending to denote a family; N.L. **fem. pl. n.** *Azobacteroidaceae*, the Azobacteroides family

Nomenclatural type

Genus *Azobacteroides*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the following genera: *Azobacteroides*, and *Candidatus Symbiothrix*.

Classification

Bacteria » *Bacteroidota* » *Bacteroidia* » *Bacteroidales* » *Azobacteroidaceae*

References

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

Registry URL

<https://seqco.de/i:31916>

Family *Bipolaricaulaceae*

Etymology

[Bi.po.la.ri.cau.la.ce'ae] N.L. masc. n. *Bipolaricaulis*, type genus of the family; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Bipolaricaulaceae*, the Bipolaricaulis family

Nomenclatural type

Genus *Bipolaricaulis*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the genus *Bipolaricaulis*.

Classification

Bacteria » *Bipolaricaulota* » *Bipolaricaulia* » *Bipolaricaulales* » *Bipolaricaulaceae*

References

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

Registry URL

<https://seqco.de/i:31920>

Family *Hepatobacteraceae*

Etymology

[He.pa.to.bac.te.ra.ce'ae] N.L. masc. n. *Hepatobacter*, type genus of the family; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Hepatobacteraceae*, the Hepatobacter family

Nomenclatural type

Genus *Hepatobacter*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the genus *Hepatobacter*.

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Holosporales* » *Hepatobacteraceae*

References

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

Registry URL

<https://seqco.de/i:31928>

Family *Hepatoplasmataceae*

Etymology

[He.pa.to.plas.ma.ta.ce'ae] N.L. neut. n. *Hepatoplasma*, type genus of the family; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Hepatoplasmataceae*, the Hepatoplasma family

Nomenclatural type

Genus *Hepatoplasma*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the genus *Hepatoplasma*.

Classification

Bacteria » *Mycoplasmata* » *Mollicutes* » *Mycoplasmatales* » *Hepatoplasmataceae*

References

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

Registry URL

<https://seqco.de/i:31930>

Family *Johnevansiaceae*

Etymology

[John.e.van.si.a.ce'ae] N.L. fem. n. *Johnevansia*, type genus of the family; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Johnevansiaceae*, the *Johnevansia* family

Nomenclatural type

Genus *Johnevansia*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the following genera: *Johnevansia*, *Candidatus* Portiera.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Johnevansiales* » *Johnevansiaceae*

References

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

Registry URL

<https://seqco.de/i:31932>

Family *Kapaibacteriaceae*

Etymology

[Ka.pa.i.bac.te.ri.a.ce'ae] N.L. neut. n. *Kapaibacterium*, type genus of the family; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Kapaibacteriaceae*, the *Kapaibacterium* family

Nomenclatural type

Genus *Kapaibacterium*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the genus *Kapaibacterium*.

Classification

Bacteria » *Bacteroidota* » *Kapaibacteriia* » *Kapaibacteriales* » *Kapaibacteriaceae*

References

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

Registry URL

<https://seqco.de/i:31935>

Family *Magnetobacteriaceae*

Etymology

[Ma.gne.to.bac.te.ri.a.ce'ae] **N.L. neut. n.** *Magnetobacterium*, type genus of the family; *-aceae*, ending to denote a family; **N.L. fem. pl. n.** *Magnetobacteriaceae*, the Magnetobacterium family

Nomenclatural type

Genus *Magnetobacterium*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the genus *Magnetobacterium*.

Classification

Bacteria » *Nitrospirota* » “Thermodesulfovibrionia” » *Thermodesulfovibrionales* » *Magnetobacteriaceae*

References

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

Registry URL

<https://seqco.de/i:31939>

Family *Methylomirabilaceae*

Etymology

[Me.thy.lo.mi.ra.bi.la.ce'ae] **N.L. fem. n.** *Methylomirabilis*, type genus of the family; *-aceae*, ending to denote a family; **N.L. fem. pl. n.** *Methylomirabilaceae*, the Methylomirabilis family

Nomenclatural type

Genus *Methylomirabilis*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the genus *Methylomirabilis*.

Classification

Bacteria » *Methylomirabilota* » *Methylomirabilia* » *Methylomirabiales* » *Methylomirabilaceae*

References

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

Registry URL

<https://seqco.de/i:31941>

Family *Desulforudaceae*

Etymology

[De.sul.fo.ru.da.ce'ae] **N.L. fem. n.** *Desulforudis*, type genus of the family; *-aceae*, ending to denote a family; **N.L. fem. pl. n.** *Desulforudaceae*, the Desulforudis family

Nomenclatural type

Genus *Desulforudis*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the following genera: *Desulforudis*, *Candidatus Desulfopertinax*.

Classification

Bacteria » *Bacillota* » “Desulfotomaculia” » *Ammonificales* » *Desulforudaceae*

References

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

Registry URL

<https://seqco.de/i:31925>

Family *Muiribacteriaceae*

Etymology

[Mui.ri.bac.te.ri.a.ce'ae] N.L. neut. n. *Muiribacterium*, type genus of the family; *-aceae*, ending to denote a family;
N.L. fem. pl. n. *Muiribacteriaceae*, the Muiribacterium family

Nomenclatural type

Genus *Muiribacterium*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the genus *Muiribacterium*.

Classification

Bacteria » *Muiribacteriota* » *Muiribacteriia* » *Muiribacteriales* » *Muiribacteriaceae*

References

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

Registry URL

<https://seqco.de/i:31946>

Family *Cloacimonadaceae*

Etymology

[Clo.a.ci.mo.na.da.ce'ae] N.L. fem. n. *Cloacimonas*, type genus of the family; *-aceae*, ending to denote a family;
N.L. fem. pl. n. *Cloacimonadaceae*, the Cloacimonas family

Nomenclatural type

Genus *Cloacimonas*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the following genera: *Cloacimonas*, *Candidatus Syntrophosphaera*.

Classification

Bacteria » *Cloacimonadota* » *Cloacimonadia* » *Cloacimonadales* » *Cloacimonadaceae*

References

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

Registry URL

<https://seqco.de/i:31334>

Family *Nucleicultricaceae*

Etymology

[Nuc.le.i.cul.tri.ca.ce'ae] N.L. fem. n. *Nucleicultrix*, type genus of the family; *-aceae*, ending to denote a family;
N.L. fem. pl. n. *Nucleicultricaceae*, the Nucleicultrix family

Nomenclatural type

Genus *Nucleicultrix*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the genus *Nucleicultrix*.

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » “*Caedimonadales*” » *Nucleicultriceae*

References

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

Registry URL

<https://seqco.de/i:31952>

Family *Obscuribacteraceae*

Etymology

[Ob.scu.ri.bac.te.ra.ce'ae] N.L. masc. n. *Obscuribacter*, type genus of the family; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Obscuribacteraceae*, the *Obscuribacter* family

Nomenclatural type

Genus *Obscuribacter*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the genus *Obscuribacter*.

Classification

Bacteria » *Cyanobacteriota* » *Vampirovibrionia* » *Obscuribacterales* » *Obscuribacteraceae*

References

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

Registry URL

<https://seqco.de/i:31956>

Family *Promineifilaceae*

Etymology

[Pro.mi.ne.i.fi.la.ce'ae] N.L. neut. n. *Promineifilum*, type genus of the family; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Promineifilaceae*, the *Promineifilum* family

Nomenclatural type

Genus *Promineifilum*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the genus *Promineifilum*.

Classification

Bacteria » *Chloroflexota* » *Anaerolineae* » *Promineifilales* » *Promineifilaceae*

References

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

Registry URL

<https://seqco.de/i:31959>

Family *Puniceispirillaceae*

Etymology

[Pu.ni.ce.i.spi.ril.la.ce'ae] N.L. neut. n. *Puniceispirillum*, type genus of the family; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Puniceispirillaceae*, the Puniceispirillum family

Nomenclatural type

Genus *Puniceispirillum*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the genus *Puniceispirillum*.

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Puniceispirillales* » *Puniceispirillaceae*

References

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

Registry URL

<https://seqco.de/i:31340>

Family *Saccharimonadaceae*

Etymology

[Sac.cha.ri.mo.na.da.ce'ae] N.L. fem. n. *Saccharimonas*, type genus of the family; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Saccharimonadaceae*, the Saccharimonas family

Nomenclatural type

Genus *Saccharimonas*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the genus *Saccharimonas*.

Classification

Bacteria » *Candidatus Patescibacteria* » “*Saccharimonadia*” » *Saccharimonadales* » *Saccharimonadaceae*

References

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

Registry URL

<https://seqco.de/i:31964>

Family *Tenderiaceae*

Etymology

[Ten.de.ri.a.ce'ae] N.L. fem. n. *Tenderia*, type genus of the family; N.L. fem. pl. n. *Tenderiaceae*, the Tenderia family

Nomenclatural type

Genus *Tenderia*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the genus *Tenderia*.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Tenderiales* » *Tenderiaceae*

References

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

Registry URL

<https://seqco.de/i:23552>

Family *Thermobaculaceae*

Etymology

[Ther.mo.ba.cu.la.ce'ae] N.L. neut. n. *Thermobaculum*, type genus of the family; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Thermobaculaceae*, the Thermobaculum family

Nomenclatural type

Genus *Thermobaculum*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the genus *Thermobaculum*.

Classification

Bacteria » *Chloroflexota* » *Chloroflexia* » *Thermobaculales* » *Thermobaculaceae*

References

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

Registry URL

<https://seqco.de/i:31969>

Family *Pseudothioglobaceae*

Etymology

[Pseu.do.thi.o.glo.ba.ce'ae] N.L. masc. n. *Pseudothioglobus*, type genus of the family; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Pseudothioglobaceae*, the Pseudothioglobus family

Nomenclatural type

Genus *Pseudothioglobus*

Description

The family constitutes a monophyletic lineage as described and defined in Parks *et al.* (2018). The family contains the following genera: *Pseudothioglobus*, *Candidatus Thioglobus*, *Candidatus Ruthia*, *Candidatus Thiodubiliella*, *Candidatus Vesicomysocius*.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » “Gammaproteobacteria_incertae_sedis” » *Pseudothioglobaceae*

References

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

Registry URL

<https://seqco.de/i:31962>

References

1. Chuvochina et al. (2023). Proposal of names for 329 higher rank taxa defined in the Genome Taxonomy Database under two prokaryotic codes. *FEMS Microbiology Letters*. DOI:10.1093/femsle/fnad071
2. Chuvochina et al. (2019). The importance of designating type material for uncultured taxa. *Systematic and Applied Microbiology*. DOI:10.1016/j.syapm.2018.07.003

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:3yxqlvua submitted by **Chuvochina, Maria** and including 42 new names has been successfully validated.

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