

# Register list for 44 new names including *Fervidifonticultor octavus* sp. nov.

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## Phylum *Sysuimicrobiota*

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### Etymology

[Sy.su.i.mic.ro'bi.o'ta] N.L. neut. n. *Sysuimicrobium*, type genus of the phylum; *-ota*, ending to denote a phylum; N.L. pl. neut. n. *Sysuimicrobiota*, the *Sysuimicrobium* phylum

### Nomenclatural type

Genus *Sysuimicrobium*

### Description

A phylum established on the basis of AAI, ANI, dDDH and phylogenomic analyses.

### Classification

*Bacteria* » *Sysuimicrobiota*

### References

Effective publication: Liu et al., 2024 [1]

### Registry URL

<https://seqco.de/i:32755>

## Class *Sysuimicrobiia*

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### Etymology

[Sy.su.i.mic.ro'bi.ia] N.L. neut. n. *Sysuimicrobium*, referring to the type genus *Sysuimicrobium*; *-ia*, ending to denote a class; N.L. neut. pl. n. *Sysuimicrobiia*, the *Sysuimicrobium* class

### Nomenclatural type

Genus *Sysuimicrobium*

### Description

A class established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiota* phylum.

### Classification

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia*

### References

Effective publication: Liu et al., 2024 [1]

### Registry URL

<https://seqco.de/i:32781>

## Order *Sysuimicrobiales*

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### Etymology

[Sy.su.i.mi.cro'bi.a'les] N.L. neut. n. *Sysuimicrobium*, type genus of the order; *-ales*, ending to denote an order; N.L. fem. pl. n. *Sysuimicrobiales*, the *Sysuimicrobium* order

**Nomenclatural type**

Genus *Sysuimicrobium*

**Description**

A order established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobia* class.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32782>

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**Family *Sysuimicrobiaceae***

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**Etymology**

[Sy.su.i.mi.cro.bi.a.ce'ae] N.L. neut. n. *Sysuimicrobium*, type genus of the family; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Sysuimicrobiaceae*, the *Sysuimicrobium* family

**Nomenclatural type**

Genus *Sysuimicrobium*

**Description**

A family established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiales* order.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Sysuimicrobiaceae*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32783>

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**Family *Kaftiobacteriaceae***

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**Etymology**

[Kaf.ti.o.bac.te.ri.a.ce'ae] N.L. neut. n. *Kaftiobacterium*, type genus of the family; L. suff. *aceae*, ending to denote a family; N.L. fem. pl. n. *Kaftiobacteriaceae*, the *Kaftiobacterium* family

**Nomenclatural type**

Genus *Kaftiobacterium*

**Description**

A family established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiales* order.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Kaftiobacteriaceae*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32799>

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## Family *Segetimicrobiaceae*

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### Etymology

[Se.ge'ti.mi.cro.bi.a.ce'ae] N.L. neut. n. *Segetimicrobium*, type genus of the family; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Segetimicrobiaceae*, the Segetimicrobium family

### Nomenclatural type

Genus *Segetimicrobium*

### Description

A family established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiales* order.

### Classification

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Segetimicrobiaceae*

### References

Effective publication: Liu et al., 2024 [1]

### Registry URL

<https://seqco.de/i:32796>

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## Family *Humicultoraceae*

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### Etymology

[Hu.mi.cul.tor.a.ce'ae] N.L. masc. n. *Humicultor*, type genus of the family; L. suff. *-aceae*, ending to denote a family; N.L. fem. pl. n. *Humicultoraceae*, the Humicultor family

### Nomenclatural type

Genus *Humicultor*

### Description

A family established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiales* order.

### Classification

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Humicultoraceae*

### References

Effective publication: Liu et al., 2024 [1]

### Registry URL

<https://seqco.de/i:32808>

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## Family *Thermofontiviventaceae*

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### Etymology

[Ther.mo.fon.ti.vi.ven.ta.ce'ae] N.L. masc. n. *Thermofontivivens*, referring to the type genus Thermofontivivens; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Thermofontiviventaceae*, the Thermofontivivens family

### Nomenclatural type

Genus *Thermofontivivens*

### Description

A family established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiales* order.

### Classification

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Thermofontiviventaceae*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32792>

## Genus *Calidihabitans*

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**Etymology**

[Ca.li.di.ha.bi'tans] L. **masc. adj.** *calidus*, hot; L. **pres. part.** *habitans*, inhabiting; **N.L. masc. n.** *Calidihabitans*, inhabitants of hot environments

**Nomenclatural type**

Species *Calidihabitans tengchongensis*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Kaytiobacteriaceae* family. The type species of the genus is *Calidihabitans tengchongensis*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Kaftiobacteriaceae* » *Calidihabitans*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32806>

## Genus *Humicultor*

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**Etymology**

[Hu.mi.cul'tor] L. **fem. n.** *humus*, soil; L. **masc. n.** *cultor*, an inhabitant; **N.L. masc. n.** *Humicultor*, an inhabitant of soil

**Nomenclatural type**

Species *Humicultor tengchongensis*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Humicultoraceae* family. The type species of the genus is *Humicultor riflensis*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Humicultoraceae* » *Humicultor*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32809>

## Genus *Kaftiobacterium*

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**Etymology**

[Kaf.ti.o.bac.te.ri.um] Gr. **adj.** *kafti*, hot; **N.L. neut. n.** *bacterium*, rod or staff and, in biology a bacterium; **N.L. neut. n.** *Kaftiobacterium*, a bacterium in hot environment

**Nomenclatural type**

Species *Kaftiobacterium secundum*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Kaftiobacteriaceae* family. The type species of the genus is *Kaftiobacterium primum*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Kaftiobacteriaceae* » *Kaftiobacterium*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32800>

## Genus *Thermofontivivens*

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**Etymology**

[Ther.mo.fon.ti.vi'vens] Gr. **masc. adj.** *thermos*, hot; L. **masc. n.** *fons*, a spring; L. **pres. part.** *vivens*, living; N.L. **masc. n.** *Thermofontivivens*, living in a hot spring

**Nomenclatural type**

Species *Thermofontivivens primus*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Thermofontiviventaceae* family. The type species of the genus is *Thermofontivivens primum*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Thermofontiviventaceae* » *Thermofontivivens*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32793>

## Genus *Fervidifonticultor*

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**Etymology**

[Fer.vi.di.fon.ti.cul'tor] L. **masc. adj.** *fervidus*, hot, burning; L. **masc. n.** *fons*, a spring, fountain; L. **masc. n.** *cultor*, an inhabitant; N.L. **masc. n.** *Fervidifonticultor*, inhabitant of a hot spring

**Nomenclatural type**

Species *Fervidifonticultor primus*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Humicultoraceae* family. The type species of the genus is *Fervidifonticultor primus*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Humicultoraceae* » *Fervidifonticultor*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32815>

## Genus *Segetimicrobium*

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**Etymology**

[Se.ge.ti.mi.cro'bi.um.] L. gen. n. *segetis*, of the soil; N.L. neut. n. *microbium*, microbe; N.L. neut. n. *Segetimicrobium*, a microbe of the earth

**Nomenclatural type**

Species *Segetimicrobium genomatis*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Segetimicrobiaceae* family. The type species of the genus is *Segetimicrobium genomatis*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Segetimicrobiaceae* » *Segetimicrobium*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32797>

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**Genus *Caldifonticola***

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**Etymology**

[Cal.di.fon.ti'co.la] L. adj. *caldus*, hot; L. masc. n. *fons*, a spring; N.L. masc. suff. *cola*, an inhabitant; N.L. masc. n. *Caldifonticola*, inhabitant of a hot spring

**Nomenclatural type**

Species *Caldifonticola tengchongensis*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiaceae* family. The type species of the genus is *Caldifonticola tengchongensis*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Sysuimicrobiaceae* » *Caldifonticola*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32788>

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**Genus *Tepidifontimicrobium***

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**Etymology**

[Te.pi.di.fon.ti.mi.cro'bi.um] L. masc. adj. *tepidus*, moderately warm; L. masc. n. *fons*, a spring; N.L. neut. n. *microbium*, microbe; N.L. neut. n. *Tepidifontimicrobium*, a microbe from a warm spring

**Nomenclatural type**

Species *Tepidifontimicrobium thermophilum*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiaceae* family. The type species of the genus is *Tepidifontimicrobium thermophilum*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Sysuimicrobiaceae* » *Tepidifontimicrobium*

**References**

Effective publication: Liu et al., 2024 [1]

## Registry URL

<https://seqco.de/i:32790>

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## Genus *Geohabitans*

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## Etymology

[Ge.o.ha.bi.tans] Gr. n. *geo*, the earth; L. pres. part. *habitans*, inhabiting; N.L. masc. n. *Geohabitans*, an inhabitant of Earth

## Nomenclatural type

Species *Geohabitans tengchongensis*<sup>Ts</sup>

## Description

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Humicultoraceae* family. The type species of the genus is *Geohabitans tengchongensis*.

## Classification

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Humicultoraceae* » *Geohabitans*

## References

Effective publication: Liu et al., 2024 [1]

## Registry URL

<https://seqco.de/i:32812>

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## Genus *Sysuimicrobium*

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## Etymology

[Sy.su.i.mi.cro.bi.um] N.L. neut. n. *microbium*, microbe; N.L. neut. n. *Sysuimicrobium*, arbitrary name from the acronym of Sun Yat-Sen University, SYSU where the identification of microbial metagenome was done

## Nomenclatural type

Species *Sysuimicrobium calidum*<sup>Ts</sup>

## Description

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiaceae* family. The type species of the genus is *Sysuimicrobium thermophilum*.

## Classification

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Sysuimicrobiaceae* » *Sysuimicrobium*

## References

Effective publication: Liu et al., 2024 [1]

## Registry URL

<https://seqco.de/i:32784>

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## Species *Fervidifonticulator primus*<sup>Ts</sup>

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## Etymology

[pri'mus] L. masc. adj. *primus*, first, to represent the first genome bin from of the genus

## Nomenclatural type

[INSDC Nucleotide: JAVKHP000000000](#)<sup>Ts</sup>

## Description

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Fervidifonticulator* genus.

#### Classification

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Humicultoraceae* » *Fervidifonticulator* » *Fervidifonticulator primus*<sup>Ts</sup>

#### References

Effective publication: Liu et al., 2024 [1]

#### Registry URL

<https://seqco.de/i:32816>

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## Species *Fervidifonticulator tertius*

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#### Etymology

[ter'ti.us.] L. masc. adj. *tertius*, third, to represent the third genome bin of the genus

#### Nomenclatural type

[NCBI Assembly: GCA\\_031459235.1](#)<sup>Ts</sup>

#### Description

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Fervidifonticulator* genus.

#### Classification

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Humicultoraceae* » *Fervidifonticulator* » *Fervidifonticulator tertius*

#### References

Effective publication: Liu et al., 2024 [1]

#### Registry URL

<https://seqco.de/i:32818>

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## Species *Geohabitans tengchongensis*<sup>Ts</sup>

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#### Etymology

[teng.chong.en'sis] N.L. masc. adj. *tengchongensis*, pertaining to Tengchong, the source of the metagenomic sample

#### Nomenclatural type

[NCBI Assembly: GCA\\_031459625.1](#)<sup>Ts</sup>

#### Description

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Terrahabitans* genus.

#### Classification

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Humicultoraceae* » *Geohabitans* » *Geohabitans tengchongensis*<sup>Ts</sup>

#### References

Effective publication: Liu et al., 2024 [1]

#### Registry URL

<https://seqco.de/i:32814>

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## Species *Humicultor tengchongensis*<sup>Ts</sup>

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**Etymology**

[teng.chong.en'sis] N.L. masc. adj. *tengchongensis*, pertaining to Tengchong, the source of the metagenomic sample

**Nomenclatural type**

[INSDC Nucleotide: JAVKIA000000000](#)<sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Humicultor* genus.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Humicultoraceae* » *Humicultor* » *Humicultor tengchongensis*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32811>

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**Species *Tepidifontimicrobium thermophilum*<sup>Ts</sup>**

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**Etymology**

[ther.mo'phi.lum] Gr. fem. adj. *thermê*, heat; N.L. neut. adj. *philum*, loving; N.L. neut. adj. *thermophilum*, heat loving

**Nomenclatural type**

[INSDC Nucleotide: JAVKHO000000000](#)<sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Tepidifontimicrobium* genus.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Sysuimicrobiaceae* » *Tepidifontimicrobium* » *Tepidifontimicrobium thermophilum*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32791>

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**Species *Sysuimicrobium tengchongense***

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**Etymology**

[teng.chong.en'se] N.L. neut. adj. *tengchongense*, referring to Tengchong

**Nomenclatural type**

[NCBI Assembly: GCA\\_031460175.1](#)<sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobium* genus.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Sysuimicrobiaceae* » *Sysuimicrobium* » *Sysuimicrobium tengchongense*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32786>

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**Species *Thermofontivivens primus*<sup>Ts</sup>**

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**Etymology**

[pri'mus] L. masc. adj. *primus*, first, to represent the first genome bin from of the genus

**Nomenclatural type**

[INSDC Nucleotide: JAVKJW000000000](#) <sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Thermofontivivens* genus.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Thermofontiviventaceae* » *Thermofontivivens* » *Thermofontivivens primus*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32794>

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**Species *Calidihabitans tengchongensis*<sup>Ts</sup>**

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**Etymology**

[teng.chong.en'sis] N.L. masc. adj. *tengchongensis*, pertaining to Tengchong, the source of the metagenomic sample

**Nomenclatural type**

[INSDC Nucleotide: JAVKIE000000000](#) <sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Calidihabitans* genus.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Kaftiobacteriaceae* » *Calidihabitans* » *Calidihabitans tengchongensis*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32807>

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**Species *Sysuimicrobium calidum*<sup>Ts</sup>**

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**Etymology**

[ca'li.dum] L. neut. adj. *calidum*, indicating the origin of the metagenome from hot spring

**Nomenclatural type**

[NCBI Assembly: GCA\\_031459935.1](#) <sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobium* genus.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Sysuimicrobiaceae* » *Sysuimicrobium* » *Sysuimicrobium calidum*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32787>

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**Species *Segetimicrobium genomatis*<sup>Ts</sup>**

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**Etymology**

[ge.no.ma'tis] N.L. gen. n. *genomatis*, of a genome

**Nomenclatural type**

[INSDC Nucleotide: VBAK00000000](#)<sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Segetimicrobium* genus.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Segetimicrobiaceae* » *Segetimicrobium* » *Segetimicrobium genomatis*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32798>

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**Species *Kaftiobacterium secundum*<sup>Ts</sup>**

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**Etymology**

[se.cun'dum] L. neut. adj. *secundum*, second, to represent the second genome bin of the genus

**Nomenclatural type**

[INSDC Nucleotide: JAVKHY0000000000](#)<sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Kaytiobacterium* genus.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Kaftiobacteriaceae* » *Kaftiobacterium* » *Kaftiobacterium secundum*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32802>

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**Species *Fervidifonticultor secundus***

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**Etymology**

[se.cun'dus] L. masc. adj. *secundus*, second, to represent the second genome bin of the genus

**Nomenclatural type**

[NCBI Assembly: GCA\\_031459385.1](#)<sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Fervidifonticulator* genus.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Humicultoraceae* » *Fervidifonticulator* » *Fervidifonticulator secundus*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32817>

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**Species *Fervidifonticulator quartus***

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**Etymology**

[qu.ar'tus] L. masc. adj. *quartus*, fourth, to represent the fourth genome bin of the genus

**Nomenclatural type**

[NCBI Assembly: GCA\\_031458775.1](#)<sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Fervidifonticulator* genus.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Humicultoraceae* » *Fervidifonticulator* » *Fervidifonticulator quartus*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32819>

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**Species *Caldifonticola tengchongensis*<sup>Ts</sup>**

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**Etymology**

[teng.chong.en'sis] N.L. masc. adj. *tengchongensis*, pertaining to Tengchong, the source of the metagenomic sample

**Nomenclatural type**

[INSDC Nucleotide: JAVKGX000000000](#)<sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Caldifonticola* genus.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Sysuimicrobiaceae* » *Caldifonticola* » *Caldifonticola tengchongensis*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

Registry URL

<https://seqco.de/i:32789>

## References

1. Liu et al. (2024). Insights into chemoautotrophic traits of a prevalent bacterial phylum CSP1-3, herein *Sysuimicrobiota*. *National Science Review*. [DOI:10.1093/nsr/nwae378](https://doi.org/10.1093/nsr/nwae378)

### 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:kojsr2qc](https://seqco.de/r:kojsr2qc) submitted by Liu, Lan and including 32 new names has been successfully validated.

Date of Priority: 2024-10-28 04:01 UTC

DOI: 10.57973/seqcode.r:kojsr2qc

