

Taxonomic Outline of the Bacteria and Archaea, Release 7.7 March 6, 2007.
Part 10 – The Bacteria: Phylum “Actinobacteria”: Class Actinobacteria
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Phylum "Actinobacteria" Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.5711

Class "Actinobacteria" N4Lid DOI: 10.1601/nm.5712

Subclass Acidimicrobidae^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.57

Order Acidimicrobiales^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.5714

Suborder "Acidimicrobineae" N4Lid DOI: 10.1601/nm.5715

Family Acidimicrobiaceae^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.5716

Genus Acidimicrobium^{VP} Clark and Norris 1996. N4Lid DOI: 10.1601/nm.5717

Acidimicrobium ferrooxidans^{VP} Clark and Norris 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 10331. High-quality 16S rRNA sequence S000438419 (RDP), U75647 (Genbank). N4Lid DOI: 10.1601/nm.5718

Subclass Rubrobacteridae^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.5719

Order Rubrobacterales^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.5720

Suborder "Rubrobacterineae" N4Lid DOI: 10.1601/nm.5721

Family Rubrobacteraceae^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.5722

Genus Rubrobacter^{VP} Suzuki et al. 1989. N4Lid DOI: 10.1601/nm.5723

Rubrobacter radiotolerans^{VP} (Yoshinaka et al. 1973) Suzuki et al. 1989. <== *Arthrobacter radiotolerans* (basonym). Synonym links through N4Lid: 10.1601/ex.5869. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51242. High-quality 16S rRNA sequence S000003563 (RDP), X87134 (Genbank). N4Lid DOI: 10.1601/nm.5724

† *Arthrobacter radiotolerans*^{AL} Yoshinaka et al. 1973. ==> *Rubrobacter radiotolerans* (new combination). Synonym links through N4Lid: 10.1601/ex.5869. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51242. High-quality 16S rRNA sequence S000003563 (RDP), X87134 (Genbank). N4Lid DOI: 10.1601/nm.5869

Rubrobacter taiwanensis^{VP} Chen et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-406. High-quality 16S rRNA sequence S000458701 (RDP), AF465803 (Genbank). N4Lid 10.1601/nm.8823

Rubrobacter xylanophilus^{VP} Carreto et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 9941. High-quality 16S rRNA sequence S000010067 (RDP), X87135 (Genbank). GOLD ID: Gc00393. GCAT ID: 000217_GCAT. Entrez genome id: 10670. Sequenced strain: DSM 9941 is type material. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.5725

Genus Conexibac399r^{VP} Monciardini et al. 2003. N4Lid DOI: 10.1601/nm.5726

Conexibacter woesei^{VP} Monciardini et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14684. High-quality 16S rRNA sequence S000351730 (RDP), AJ440237 (Genbank). N4Lid DOI: 10.1601/nm.5727

Genus Solirubrobacter^{VP} Singleton et al. 2003. N4Lid DOI: 10.1601/nm.5728

Solirubrobacter pauli^{VP} Singleton et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-492. High-quality 16S rRNA sequence S000353980 (RDP), AY039806 (Genbank). N4Lid DOI: 10.1601/nm.5729

Genus Thermoleophilum^{VP} Zarilla and Perry 1986. N4Lid DOI: 10.1601/nm.5730

Thermoleophilum album^{VP} Zarilla and Perry 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35263. High-quality 16S rRNA sequence S000130885 (RDP), AJ458462 (Genbank). N4Lid DOI: 10.1601/nm.5731

Thermoleophilum minutum^{VP} Zarilla and Perry 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35265. N4Lid DOI: 10.1601/nm.5732

Family Patulibacteraceae ^{VP} Takahashi et al 2006. N4Lid DOI: 10.1601/nm.10335

Genus Patulibacter ^{VP} Takahashi et al. 2006. N4Lid 10.1601/nm.9873

Patulibacter minatonensis ^{VP} Takahashi et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24346. High-quality 16S rRNA sequence S000567893 (RDP), AB193261 (Genbank). N4Lid 10.1601/nm.9872

Subclass Coriobacteridae ^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.5733

Order Coriobacteriales ^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.5734

Suborder "Coriobacterineae" N4Lid DOI: 10.1601/nm.5735

Family Coriobacteriaceae ^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.5736

Genus Coriobacterium ^{VP} Haas and König 1988. N4Lid DOI: 10.1601/nm.5737

Coriobacterium glomerans ^{VP} Haas and König 1988. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49209. High-quality 16S rRNA sequence S000013627 (RDP), X79048 (Genbank). N4Lid DOI: 10.1601/nm.5738

Genus Atopobium ^{VP} Collins and Wallbanks 1993. N4Lid DOI: 10.1601/nm.5739

Atopobium minutum ^{VP} (Hauduroy et al. 1937) Collins and Wallbanks 1993. <== *Lactobacillus minutus* (basonym). Synonym links through N4Lid: 10.1601/ex.5403. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33267. High-quality 16S rRNA sequence S000016636 (RDP), M59059 (Genbank). GOLD ID: Gi00044. GCAT ID: 000706_GCAT. Entrez genome id: 13208. Sequenced strain: ATCC 33267 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.5740

† *Lactobacillus minutus* ^{AL} (Hauduroy et al. 1937) Moore and Holdeman 1972. ==> *Atopobium minutum* (new combination). Synonym links through N4Lid: 10.1601/ex.5403. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33267. High-quality 16S rRNA sequence S000016636 (RDP), M59059 (Genbank). GOLD ID: Gi00044. GCAT ID: 000706_GCAT. Entrez genome id: 13208. Sequenced strain: ATCC 33267 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.5403

Atopobium fossor ^{VP} (Bailey and Love 1986) Kageyama et al. 1999. <== *Eubacterium fossor* (basonym). Synonym links through N4Lid: 10.1601/ex.4251. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43386. High-quality 16S rRNA sequence S000414609 (RDP), L34620 (Genbank). N4Lid DOI: 10.1601/nm.5741

† *Eubacterium fossor* ^{VP} Bailey and Love 1986. ==> *Atopobium fossor* (new combination). Synonym links through N4Lid: 10.1601/ex.4251. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43386. High-quality 16S rRNA sequence S000414609 (RDP), L34620 (Genbank). N4Lid DOI: 10.1601/nm.4251

Atopobium parvulum ^{VP} (Weinberg et al. 1937) Collins and Wallbanks 1993. <== *Peptostreptococcus parvulus* (basonym). Synonym links through N4Lid: 10.1601/ex.4186. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33793. High-quality 16S rRNA sequence S000002314 (RDP), X67150 (Genbank). N4Lid DOI: 10.1601/nm.5742

† *Peptostreptococcus parvulus* ^{AL} (Weinberg et al. 1937) Smith 1957. ==> *Streptococcus parvulus* (new combination). Synonym links through N4Lid: 10.1601/ex.4186. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33793. High-quality 16S rRNA sequence S000002314 (RDP), X67150 (Genbank). N4Lid DOI: 10.1601/nm.4186

† *Streptococcus parvulus* ^{VP} (Weinberg et al. 1937) Cato 1983. <== *Peptostreptococcus parvulus* (basonym). *Atopobium parvulum* (new combination). Synonym links through N4Lid: 10.1601/ex.4186. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33793. High-quality 16S rRNA sequence S000002314 (RDP), X67150 (Genbank). N4Lid DOI: 10.1601/nm.5670

Atopobium rimae ^{VP} (Olsen et al. 1991) Collins and Wallbanks 1993. <== *Lactobacillus rimae* (basonym). Synonym links through N4Lid: 10.1601/ex.5425. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49626. High-quality 16S rRNA sequence S000390775 (RDP), AF292371 (Genbank). N4Lid DOI: 10.1601/nm.5743

- † *Lactobacillus rimae*^{VP} Olsen et al. 1991. ==> *Atopobium rimae* (new combination). Synonym links through N4Lid: 10.1601/ex.5425. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49626. High-quality 16S rRNA sequence S000390775 (RDP), AF292371 (Genbank). N4Lid DOI: 10.1601/nm.5425
- Atopobium vaginae*^{VP} Rodriguez Jovita et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-55. High-quality 16S rRNA sequence S000130242 (RDP), Y17195 (Genbank). N4Lid DOI: 10.1601/nm.5744
- Genus *Collinsella***^{VP} Kageyama et al. 1999. N4Lid DOI: 10.1601/nm.5745
- Collinsella aerofaciens*^{VP} (Eggerth 1935) Kageyama et al. 1999. <== *Eubacterium aerofaciens* (basonym). Synonym links through N4Lid: 10.1601/ex.4231. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25986. High-quality 16S rRNA sequence S000382127 (RDP), AB011816 (Genbank). GOLD ID: Gi01707. GCAT ID: 000650_GCAT. Entrez genome id: 18167. Sequenced strain: ATCC 25986 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.5746
- † *Eubacterium aerofaciens*^{AL} (Eggerth 1935) Prévot 1938. ==> *Collinsella aerofaciens* (new combination). Synonym links through N4Lid: 10.1601/ex.4231. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25986. High-quality 16S rRNA sequence S000382127 (RDP), AB011816 (Genbank). GOLD ID: Gi01707. GCAT ID: 000650_GCAT. Entrez genome id: 18167. Sequenced strain: ATCC 25986 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.4231
- Collinsella intestinalis*^{VP} Kageyama and Benno 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 13280. High-quality 16S rRNA sequence S000382905 (RDP), AB031063 (Genbank). N4Lid DOI: 10.1601/nm.5747
- Collinsella stercoris*^{VP} Kageyama and Benno 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 13279. High-quality 16S rRNA sequence S000382903 (RDP), AB031061 (Genbank). N4Lid DOI: 10.1601/nm.5748
- Genus *Cryptobacterium***^{VP} Nakazawa et al. 1999. N4Lid DOI: 10.1601/nm.5749
- Cryptobacterium curtum*^{VP} Nakazawa et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700683. High-quality 16S rRNA sequence S000012597 (RDP), AB019260 (Genbank). N4Lid DOI: 10.1601/nm.5750
- Genus *Denitrobacterium***^{VP} Anderson et al. 2000. N4Lid DOI: 10.1601/nm.5751
- Denitrobacterium detoxificans*^{VP} Anderson et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700546. High-quality 16S rRNA sequence S000437629 (RDP), U43492 (Genbank). N4Lid DOI: 10.1601/nm.5752
- Genus *Eggerthella***^{VP} Wade et al. 1999. N4Lid DOI: 10.1601/nm.5753
- Eggerthella lenta*^{VP} (Eggerth 1935) Wade et al. 1999. <== *Eubacterium lentum* (basonym). *Eggerthella lenta* (new combination). Synonym links through N4Lid: 10.1601/ex.4255. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25559. High-quality 16S rRNA sequence S000390779 (RDP), AF292375 (Genbank). N4Lid DOI: 10.1601/nm.5754
- † *Eubacterium lentum*^{AL} (Eggerth 1935) Prévot 1938. ==> *Eggerthella lenta* (new combination). Synonym links through N4Lid: 10.1601/ex.4255. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25559. High-quality 16S rRNA sequence S000390779 (RDP), AF292375 (Genbank). N4Lid DOI: 10.1601/nm.4255
- Eggerthella hongkongensis*^{VP} Lau et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16106. High-quality 16S rRNA sequence S000540524 (RDP), AY288517 (Genbank). N4Lid DOI: 10.1601/nm.10313
- Eggerthella sinensis*^{VP} Lau et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16107. High-quality 16S rRNA sequence S000540527 (RDP), AY321958 (Genbank). N4Lid DOI: 10.1601/nm.10314
- Genus *Olsenella***^{VP} Dewhirst et al. 2001. N4Lid DOI: 10.1601/nm.5755
- Olsenella uli*^{VP} (Olsen et al. 1991) Dewhirst et al. 2001. <== *Lactobacillus uli* (basonym). Synonym links through N4Lid: 10.1601/ex.5437. Source of type material recommended for DOE

sponsored genome sequencing by the JGI: ATCC 49627. High-quality 16S rRNA sequence S000390777 (RDP), AF292373 (Genbank). N4Lid DOI: 10.1601/nm.5756

† *Lactobacillus uli*^{VP} Olsen et al. 1991. ==> *Olsenella uli* (new combination). Synonym links through N4Lid: 10.1601/ex.5437. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49627. High-quality 16S rRNA sequence S000390777 (RDP), AF292373 (Genbank). N4Lid DOI: 10.1601/nm.5437

Olsenella profusa^{VP} Dewhirst et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 13989. High-quality 16S rRNA sequence S000390778 (RDP), AF292374 (Genbank). N4Lid DOI: 10.1601/nm.5757

Genus *Slackia*^{VP} Wade et al. 1999. N4Lid DOI: 10.1601/nm.5758

Slackia exigua^{VP} (Poco et al. 1996) Wade et al. 1999. <== *Eubacterium exiguum* (basonym). Synonym links through N4Lid: 10.1601/ex.4248. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700122. High-quality 16S rRNA sequence S000428894 (RDP), AF101240 (Genbank). N4Lid DOI: 10.1601/nm.5759

† *Eubacterium exiguum*^{VP} Poco et al. 1996. ==> *Slackia exigua* (new combination). Synonym links through N4Lid: 10.1601/ex.4248. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700122. High-quality 16S rRNA sequence S000428894 (RDP), AF101240 (Genbank). N4Lid DOI: 10.1601/nm.4248

Slackia faecicanis^{VP} Lawson et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 48399. High-quality 16S rRNA sequence S000543965 (RDP), AJ608686 (Genbank). N4Lid 10.1601/nm.9415

Slackia heliotrinireducens^{VP} corrig. (Lanigan 1983) Wade et al. 1999. <== *Peptococcus heliotrinireducens* (basonym). Synonym links through N4Lid: 10.1601/ex.4308. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29202. High-quality 16S rRNA sequence S000428895 (RDP), AF101241 (Genbank). N4Lid DOI: 10.1601/nm.5760

† *Peptostreptococcus heliotrinireducens*^{VP} (Lanigan 1983) Ezaki and Yabuuchi 1986. <== *Peptococcus heliotrinireducens* (basonym). *Slackia heliotrinireducens* (new combination). Synonym links through N4Lid: 10.1601/ex.4308. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29202. High-quality 16S rRNA sequence S000428895 (RDP), AF101241 (Genbank). N4Lid DOI: 10.1601/nm.4177

† *Peptococcus heliotrinireducens*^{VP} corrig. (sic) Lanigan 1983. ==> *Peptostreptococcus heliotrinireducens* (new combination). Synonym links through N4Lid: 10.1601/ex.4308. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29202. High-quality 16S rRNA sequence S000428895 (RDP), AF101241 (Genbank). N4Lid DOI: 10.1601/nm.4308

Subclass *Sphaerobacteridae*^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.5761

Order *Sphaerobacterales*^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.5762

Suborder "*Sphaerobacterineae*" N4Lid DOI: 10.1601/nm.5763

Family *Sphaerobacteraceae*^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.5764

Genus *Sphaerobacter*^{VP} Demharter et al. 1989. N4Lid DOI: 10.1601/nm.5765

Sphaerobacter thermophilus^{VP} Demharter et al. 1989. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49802. High-quality 16S rRNA sequence S000127307 (RDP), X53210 (Genbank). N4Lid DOI: 10.1601/nm.5766

Subclass *Actinobacteridae*^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.5767

Order *Actinomycetales*^{AL} Buchanan 1917. N4Lid DOI: 10.1601/nm.5768

Suborder *Actinomycineae*^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.5769

Family *Actinomycetaceae*^{AL} Buchanan 1918. N4Lid DOI: 10.1601/nm.5770

Genus *Actinomyces*^{AL} Harz 1877. N4Lid DOI: 10.1601/nm.5771

Actinomyces bovis^{AL} Harz 1877. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13683. High-quality 16S rRNA sequence S000134295 (RDP), X53224 (Genbank). N4Lid DOI: 10.1601/nm.5772

- Actinomyces bowdenii*^{VP} Pascual et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15435. High-quality 16S rRNA sequence S000015299 (RDP), AJ234039 (Genbank). N4Lid DOI: 10.1601/nm.5774
- Actinomyces canis*^{VP} Hoyles et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 41706. High-quality 16S rRNA sequence S000130226 (RDP), AJ243891 (Genbank). N4Lid DOI: 10.1601/nm.5775
- Actinomyces cardiffensis*^{VP} Hall et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 44997. High-quality 16S rRNA sequence S000095828 (RDP), AJ421779 (Genbank). N4Lid DOI: 10.1601/nm.5776
- Actinomyces catuli*^{VP} Hoyles et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15415. High-quality 16S rRNA sequence S000014740 (RDP), AJ276805 (Genbank). N4Lid DOI: 10.1601/nm.5777
- Actinomyces coleocanis*^{VP} Hoyles et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15436. High-quality 16S rRNA sequence S000083692 (RDP), AJ249326 (Genbank). N4Lid DOI: 10.1601/nm.5778
- Actinomyces dentalis*^{VP} Hall et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 48064. High-quality 16S rRNA sequence S000471778 (RDP), AJ697609 (Genbank). N4Lid DOI: 10.1601/nm.8435
- Actinomyces denticolens*^{VP} Dent and Williams 1984. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43322. High-quality 16S rRNA sequence S000001874 (RDP), X80412 (Genbank). N4Lid DOI: 10.1601/nm.5779
- Actinomyces europaeus*^{VP} Funke et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700353. High-quality 16S rRNA sequence S000381439 (RDP), Y08828 (Genbank). N4Lid DOI: 10.1601/nm.5780
- Actinomyces funkei*^{VP} Lawson et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 42773. High-quality 16S rRNA sequence S000130343 (RDP), AJ404889 (Genbank). N4Lid DOI: 10.1601/nm.5781
- Actinomyces georgiae*^{VP} Johnson et al. 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49285. High-quality 16S rRNA sequence S000001926 (RDP), X80413 (Genbank). N4Lid DOI: 10.1601/nm.5782
- Actinomyces gerencseriae*^{VP} Johnson et al. 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23860. High-quality 16S rRNA sequence S000006560 (RDP), X80414 (Genbank). N4Lid DOI: 10.1601/nm.5783
- Actinomyces graevenitzii*^{VP} Pascual Ramos et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 27294. High-quality 16S rRNA sequence S000111689 (RDP), AJ540309 (Genbank). N4Lid DOI: 10.1601/nm.5784
- Actinomyces hongkongensis*^{VP} Woo et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15629. High-quality 16S rRNA sequence S000014419 (RDP), AF433168 (Genbank). N4Lid DOI: 10.1601/nm.5785
- Actinomyces hordeovulneris*^{VP} Buchanan et al. 1984. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35275. High-quality 16S rRNA sequence S000005054 (RDP), X82448 (Genbank). N4Lid DOI: 10.1601/nm.5786
- Actinomyces howellii*^{VP} Dent and Williams 1984. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43323. High-quality 16S rRNA sequence S000012670 (RDP), X80411 (Genbank). N4Lid DOI: 10.1601/nm.5787
- Actinomyces hyovaginalis*^{VP} Collins et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51367. High-quality 16S rRNA sequence S000381252 (RDP), X69616 (Genbank). N4Lid DOI: 10.1601/nm.5789
- Actinomyces israelii*^{AL} (Kruse 1896) Lachner-Sandoval 1898. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12102. High-quality 16S rRNA sequence S000004698 (RDP), X82450 (Genbank). N4Lid DOI: 10.1601/nm.5790
- Actinomyces marimammalium*^{VP} Hoyles et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 41710. High-quality 16S rRNA sequence S000001211 (RDP), AJ276405 (Genbank). N4Lid DOI: 10.1601/nm.5791

Actinomyces meyeri^{VP} (ex Prévot 1938) Cato et al. 1984. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35568. High-quality 16S rRNA sequence S000010758 (RDP), X82451 (Genbank). N4Lid DOI: 10.1601/nm.5792

Actinomyces naeslundii^{AL} Thompson and Lovstedt 1951. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12104. High-quality 16S rRNA sequence S000016643 (RDP), M33911 (Genbank). GOLD ID: Gi00014. GCAT ID: 000647_GCAT. Entrez genome id: 12510. Sequenced strain: MG1 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.5793

Actinomyces nasicola^{VP} Hall et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 46092. High-quality 16S rRNA sequence S000145435 (RDP), AJ508455 (Genbank). N4Lid DOI: 10.1601/nm.5794

Actinomyces neuui subsp. neuui^{VP} Funke et al. 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51847. High-quality 16S rRNA sequence S000015197 (RDP), X71862 (Genbank). N4Lid DOI: 10.1601/nm.5795

Actinomyces neuui subsp. anitratus^{VP} Funke et al. 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51849. N4Lid DOI: 10.1601/nm.5796

Actinomyces odontolyticus^{AL} Batty 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 17929. High-quality 16S rRNA sequence S000003857 (RDP), X80504 (Genbank). GOLD ID: Gi01705. GCAT ID: 000648_GCAT. Entrez genome id: 18171. Sequenced strain: DSM 43331 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.5797

Actinomyces oricola^{VP} Hall et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 46090. High-quality 16S rRNA sequence S000146756 (RDP), AJ507295 (Genbank). N4Lid DOI: 10.1601/nm.5798

Actinomyces radidentis^{VP} Collins et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15433. High-quality 16S rRNA sequence S000012086 (RDP), AJ251986 (Genbank). N4Lid DOI: 10.1601/nm.5800

Actinomyces radingae^{VP} Wüst et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51856. High-quality 16S rRNA sequence S000006177 (RDP), X78719 (Genbank). N4Lid DOI: 10.1601/nm.5801

Actinomyces ruminicola^{VP} An et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 13352. High-quality 16S rRNA sequence S000557086 (RDP), DQ072005 (Genbank). N4Lid DOI: 10.1601/nm.10267

Actinomyces slackii^{VP} Dent and Williams 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49928. High-quality 16S rRNA sequence S000005447 (RDP), X82452 (Genbank). N4Lid DOI: 10.1601/nm.5802

Actinomyces suimastitidis^{VP} Hoyles et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 39276. High-quality 16S rRNA sequence S000012562 (RDP), AJ277385 (Genbank). N4Lid DOI: 10.1601/nm.5803

Actinomyces turicensis^{VP} Wüst et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51857. N4Lid DOI: 10.1601/nm.5805

Actinomyces urogenitalis^{VP} Nikolaitchouk et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15434. High-quality 16S rRNA sequence S000001207 (RDP), AJ243791 (Genbank). N4Lid DOI: 10.1601/nm.5806

Actinomyces vaccimaxillae^{VP} Hall et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 46091. High-quality 16S rRNA sequence S000125312 (RDP), AJ427451 (Genbank). N4Lid DOI: 10.1601/nm.5807

Actinomyces viscosus^{AL} (Howell et al. 1965) Georg et al. 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15987. High-quality 16S rRNA sequence S000003458 (RDP), X82453 (Genbank). N4Lid DOI: 10.1601/nm.5808

Genus *Actinobaculum*^{VP} Lawson et al. 1997. N4Lid DOI: 10.1601/nm.5809

Actinobaculum suis^{VP} (Wegienek and Reddy 1982) Lawson et al. 1997. <== *Eubacterium suis* (**basonym**). Synonym links through N4Lid: 10.1601/ex.4271. Source of type material

recommended for DOE sponsored genome sequencing by the JGI: ATCC 33144. High-quality 16S rRNA sequence S000381049 (RDP), S83623 (Genbank). N4Lid DOI: 10.1601/nm.5810

† *Actinomyces suis*^{VP} (Wegienek and Reddy 1982) Ludwig et al. 1992. <== *Eubacterium suis* (basonym). *Actinobaculum suis* (new combination). Synonym links through N4Lid: 10.1601/ex.4271. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33144. High-quality 16S rRNA sequence S000381049 (RDP), S83623 (Genbank). N4Lid DOI: 10.1601/nm.5804

† *Eubacterium suis*^{VP} (ex Soltys and Spratling 1957) Wegienek and Reddy 1982. ==> *Actinomyces suis* (new combination). Synonym links through N4Lid: 10.1601/ex.4271. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33144. High-quality 16S rRNA sequence S000381049 (RDP), S83623 (Genbank). N4Lid DOI: 10.1601/nm.4271

Actinobaculum massiliense^{VP} corrig. Greub and Raoult 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 47753. High-quality 16S rRNA sequence S000429655 (RDP), AF487679 (Genbank). N4Lid DOI: 10.1601/nm.10311

Actinobaculum schaalii^{VP} Lawson et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 27420. High-quality 16S rRNA sequence S000005448 (RDP), Y10773 (Genbank). N4Lid DOI: 10.1601/nm.5811

Actinobaculum urinale^{VP} Hall et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 46093. High-quality 16S rRNA sequence S000134158 (RDP), AJ439453 (Genbank). N4Lid DOI: 10.1601/nm.5812

Genus *Arcanobacterium*^{VP} Collins et al. 1983. N4Lid DOI: 10.1601/nm.5813

Arcanobacterium haemolyticum^{VP} (ex Mac Lean et al. 1946) Collins et al. 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 9345. High-quality 16S rRNA sequence S000011541 (RDP), AJ234059 (Genbank). N4Lid DOI: 10.1601/nm.5814

Arcanobacterium bernardiae^{VP} (Funke et al. 1995) Pascual Ramos et al. 1997. <== *Actinomyces bernardiae* (basonym). Synonym links through N4Lid: 10.1601/ex.5773. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51727. High-quality 16S rRNA sequence S000560271 (RDP), X79224 (Genbank). N4Lid DOI: 10.1601/nm.5815

† *Actinomyces bernardiae*^{VP} Funke et al. 1995. ==> *Arcanobacterium bernardiae* (new combination). Synonym links through N4Lid: 10.1601/ex.5773. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51727. High-quality 16S rRNA sequence S000560271 (RDP), X79224 (Genbank). N4Lid DOI: 10.1601/nm.5773

Arcanobacterium bialowiezense^{VP} Lehnen et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 17162. High-quality 16S rRNA sequence S000472963 (RDP), AJ879696 (Genbank). N4Lid 10.1601/nm.9959

Arcanobacterium bonasi^{VP} Lehnen et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 17163. High-quality 16S rRNA sequence S000472964 (RDP), AJ879697 (Genbank). N4Lid 10.1601/nm.9960

Arcanobacterium hippocoleae^{VP} Hoyles et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 44697. High-quality 16S rRNA sequence S000011030 (RDP), AJ300767 (Genbank). N4Lid DOI: 10.1601/nm.5816

Arcanobacterium phocae^{VP} Pascual Ramos et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 10002. N4Lid DOI: 10.1601/nm.5817

Arcanobacterium pluranimalium^{VP} Lawson et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 13483. High-quality 16S rRNA sequence S000127675 (RDP), AJ250959 (Genbank). N4Lid DOI: 10.1601/nm.5818

Arcanobacterium pyogenes^{VP} (Glage 1903) Pascual Ramos et al. 1997. <== *Corynebacterium pyogenes* (basonym). Synonym links through N4Lid: 10.1601/ex.6259. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19411. High-quality 16S rRNA sequence S000436174 (RDP), M29552 (Genbank). N4Lid DOI: 10.1601/nm.5819

† *Actinomyces pyogenes*^{VP} (Glage 1903) Reddy et al. 1982. <== *Corynebacterium pyogenes* (basonym). *Arcanobacterium pyogenes* (new combination). Synonym links through N4Lid: 10.1601/ex.6259. Source of type material recommended for DOE sponsored genome sequencing

by the JGI: ATCC 19411. High-quality 16S rRNA sequence S000436174 (RDP), M29552 (Genbank). N4Lid DOI: 10.1601/nm.5799

† *Corynebacterium pyogenes*^{AL} (Glage 1903) Ebersson 1918. ==> *Actinomyces pyogenes* (new combination). Synonym links through N4Lid: 10.1601/ex.6259. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19411. High-quality 16S rRNA sequence S000436174 (RDP), M29552 (Genbank). N4Lid DOI: 10.1601/nm.6259

Genus *Mobiluncus*^{VP} Spiegel and Roberts 1984. ≈ *Mobiluncus* (later heterotypic synonym), links through 10.1601/nm.5820. N4Lid DOI: 10.1601/nm.5820

Mobiluncus curtisii subsp. *curtisii*^{VP} Spiegel and Roberts 1984. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35241. High-quality 16S rRNA sequence S000126776 (RDP), X53186 (Genbank). N4Lid DOI: 10.1601/nm.5821

† *Falcivibrio vaginalis*^{VP} Hammann et al. 1984. ≈ *Mobiluncus curtisii* subsp. *curtisii* (earlier heterotypic synonym), links through 10.1601/nm.5821. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43063. N4Lid DOI: 10.1601/nm.7719

Mobiluncus curtisii subsp. *holmesii*^{VP} Spiegel and Roberts 1984. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35242. High-quality 16S rRNA sequence S000126686 (RDP), AJ318409 (Genbank). N4Lid DOI: 10.1601/nm.5822

Mobiluncus mulieris^{VP} Spiegel and Roberts 1984. ≈ *Falcivibrio grandis* (later heterotypic synonym), links through 10.1601/nm.5823. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35243. High-quality 16S rRNA sequence S000129236 (RDP), X53187 (Genbank). N4Lid DOI: 10.1601/nm.5823

† *Falcivibrio grandis*^{VP} Hammann et al. 1984. ≈ *Mobiluncus mulieris* (earlier heterotypic synonym), links through 10.1601/nm.5823. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43064. N4Lid DOI: 10.1601/nm.7718

Genus † *Falcivibrio*^{VP} Hammann et al. 1984. ≈ *Mobiluncus* (earlier heterotypic synonym), links through 10.1601/nm.5820. N4Lid DOI: 10.1601/nm.7717

Genus *Varibaculum*^{VP} Hall et al. 2003. N4Lid DOI: 10.1601/nm.5824

Varibaculum cambriense^{VP} corrig. Hall et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 44998. High-quality 16S rRNA sequence S000433822 (RDP), AJ491326 (Genbank). N4Lid DOI: 10.1601/nm.5825

Suborder *Micrococccineae*^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.5826

Family *Micrococceaceae*^{AL} Pribram 1929. N4Lid DOI: 10.1601/nm.5827

Genus *Micrococcus*^{AL} Cohn 1872. N4Lid DOI: 10.1601/nm.5828

Micrococcus luteus^{AL} (Schroeter 1872) Cohn 1872. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 4698. High-quality 16S rRNA sequence S000432290 (RDP), AF542073 (Genbank). GOLD ID: Gi01554. GCAT ID: 000887_GCAT. Genome sequence is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.5829

Micrococcus antarcticus^{VP} Liu et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 11467. High-quality 16S rRNA sequence S000129410 (RDP), AJ005932 (Genbank). N4Lid DOI: 10.1601/nm.5831

Micrococcus lylae^{AL} Kloos et al. 1974. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27566. High-quality 16S rRNA sequence S000013460 (RDP), X80750 (Genbank). N4Lid DOI: 10.1601/nm.5834

Genus *Acaricomes*^{VP} Pukall et al. 2006. N4Lid 10.1601/nm.9877

Acaricomes phytoseiuli^{VP} Pukall et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14247. High-quality 16S rRNA sequence S000377181 (RDP), AJ812213 (Genbank). N4Lid 10.1601/nm.9876

Genus *Arthrobacter*^{AL} Conn and Dimmick 1947. GOLD ID: Gc00445. GCAT ID: 000163_GCAT. Entrez genome id: 12640. Sequenced strain: FB24 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 2 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.5839

Arthrobacter globiformis^{AL} (Conn 1928) Conn and Dimmick 1947. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 8010. High-quality 16S rRNA sequence S000006170 (RDP), X80736 (Genbank). N4Lid DOI: 10.1601/nm.5840

Arthrobacter agilis^{VP} (Ali-Cohen 1889) Koch et al. 1995. <== *Micrococcus agilis* (basonym). Synonym links through N4Lid: 10.1601/ex.5830. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 966. High-quality 16S rRNA sequence S000011221 (RDP), X80748 (Genbank). N4Lid DOI: 10.1601/nm.5841

† *Micrococcus agilis*^{AL} Ali-Cohen 1889. ==> *Arthrobacter agilis* (new combination). Synonym links through N4Lid: 10.1601/ex.5830. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 966. High-quality 16S rRNA sequence S000011221 (RDP), X80748 (Genbank). N4Lid DOI: 10.1601/nm.5830

Arthrobacter albus^{VP} Wauters et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-273. High-quality 16S rRNA sequence S000011324 (RDP), AJ243421 (Genbank). N4Lid DOI: 10.1601/nm.5842

Arthrobacter ardleyensis^{VP} Chen et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12921. High-quality 16S rRNA sequence S000539428 (RDP), AJ551163 (Genbank). N4Lid 10.1601/nm.9672

Arthrobacter arilaitensis^{VP} Irlinger et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16368. High-quality 16S rRNA sequence S000471336 (RDP), AJ609628 (Genbank). N4Lid DOI: 10.1601/nm.8476

Arthrobacter atrocyaneus^{AL} Kuhn and Starr 1960. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13752. High-quality 16S rRNA sequence S000001837 (RDP), X80746 (Genbank). N4Lid DOI: 10.1601/nm.5843

Arthrobacter aurescens^{AL} Phillips 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13344. High-quality 16S rRNA sequence S000002956 (RDP), X83405 (Genbank). GOLD ID: Gc00480. GCAT ID: 000129_GCAT. Entrez genome id: 12512. Sequenced strain: TC1 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.5844

Arthrobacter bergerei^{VP} Irlinger et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16367. High-quality 16S rRNA sequence S000471338 (RDP), AJ609630 (Genbank). N4Lid DOI: 10.1601/nm.8477

Arthrobacter castelli^{VP} Heyrman et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16402. High-quality 16S rRNA sequence S000544085 (RDP), AJ639826 (Genbank). N4Lid 10.1601/nm.9487

Arthrobacter chlorophenolicus^{VP} Westerberg et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700700. High-quality 16S rRNA sequence S000428904 (RDP), AF102267 (Genbank). GOLD ID: Gi01553. GCAT ID: 000701_GCAT. Sequenced strain: DSM 12829 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.5845

Arthrobacter citreus^{AL} Sacks 1954. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 11624. High-quality 16S rRNA sequence S000009503 (RDP), X80737 (Genbank). N4Lid DOI: 10.1601/nm.5846

Arthrobacter creatinolyticus^{VP} Hou et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CIP 105749. N4Lid DOI: 10.1601/nm.5847

Arthrobacter crystallopoietes^{AL} Ensign and Rittenberg 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15481. High-quality 16S rRNA sequence S000004639 (RDP), X80738 (Genbank). N4Lid DOI: 10.1601/nm.5848

Arthrobacter cumminsii^{VP} Funke et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700218. N4Lid DOI: 10.1601/nm.5849

Arthrobacter flavus^{VP} Reddy et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 11496. High-quality 16S rRNA sequence S000006422 (RDP), AJ242532 (Genbank). N4Lid DOI: 10.1601/nm.5852

- Arthrobacter gandavensis*^{VP} Storms et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15046. High-quality 16S rRNA sequence S000251334 (RDP), AJ316140 (Genbank). N4Lid DOI: 10.1601/nm.5853
- Arthrobacter gangotriensis*^{VP} Gupta et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15796. High-quality 16S rRNA sequence S000440165 (RDP), AJ606061 (Genbank). N4Lid DOI: 10.1601/nm.8478
- Arthrobacter histidinovorans*^{AL} Adams 1954. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 11442. High-quality 16S rRNA sequence S000022309 (RDP), X83406 (Genbank). N4Lid DOI: 10.1601/nm.5854
- Arthrobacter ilicis*^{VP} (Mandel et al. 1961) Collins et al. 1982. <== *Corynebacterium ilicis* (basonym). Synonym links through N4Lid: 10.1601/ex.6228. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14264. High-quality 16S rRNA sequence S000004267 (RDP), X83407 (Genbank). N4Lid DOI: 10.1601/nm.5855
- † *Corynebacterium ilicis*^{AL} Mandel et al. 1961. ==> *Arthrobacter ilicis* (new combination). Synonym links through N4Lid: 10.1601/ex.6228. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14264. High-quality 16S rRNA sequence S000004267 (RDP), X83407 (Genbank). N4Lid DOI: 10.1601/nm.6228
- Arthrobacter kerguelensis*^{VP} Gupta et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15797. High-quality 16S rRNA sequence S000543963 (RDP), AJ606062 (Genbank). N4Lid DOI: 10.1601/nm.8479
- Arthrobacter koreensis*^{VP} Lee et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 16787. High-quality 16S rRNA sequence S000396184 (RDP), AY116496 (Genbank). N4Lid DOI: 10.1601/nm.5856
- Arthrobacter luteolus*^{VP} Wauters et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-272. High-quality 16S rRNA sequence S000022081 (RDP), AJ243422 (Genbank). N4Lid DOI: 10.1601/nm.5857
- Arthrobacter methylotrophus*^{VP} Borodina et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-111. High-quality 16S rRNA sequence S000389775 (RDP), AF235090 (Genbank). N4Lid DOI: 10.1601/nm.5858
- Arthrobacter monumenti*^{VP} Heyrman et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16405. High-quality 16S rRNA sequence S000570153 (RDP), AJ315070 (Genbank). N4Lid 10.1601/nm.9488
- Arthrobacter mysorens*^{AL} Nand and Rao 1972. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33408. High-quality 16S rRNA sequence S000261871 (RDP), AJ617482 (Genbank). N4Lid DOI: 10.1601/nm.5859
- Arthrobacter nasiphocae*^{VP} Collins et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 42953. High-quality 16S rRNA sequence S000011394 (RDP), AJ292364 (Genbank). N4Lid DOI: 10.1601/nm.5860
- Arthrobacter nicotianae*^{AL} Giovannozzi-Sermanni 1959. ≈ *Brevibacterium liquefaciens* (later heterotypic synonym), links through 10.1601./nm.5861. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14929. High-quality 16S rRNA sequence S000010338 (RDP), X80739 (Genbank). N4Lid DOI: 10.1601/nm.5861
- † *Brevibacterium liquefaciens*^{AL} Okabayashi and Masuo 1960. ≈ *Arthrobacter nicotianae* (earlier heterotypic synonym), links through 10.1601./nm.5937. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 20123. High-quality 16S rRNA sequence S000010338 (RDP), X80739 (Genbank). N4Lid DOI: 10.1601/nm.5937
- Arthrobacter nicotinovorans*^{VP} Kodama et al. 1992. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49919. High-quality 16S rRNA sequence S000021578 (RDP), X80743 (Genbank). N4Lid DOI: 10.1601/nm.5862
- Arthrobacter nitroguajacolicus*^{VP} Kotoucková et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15232. High-quality 16S rRNA sequence S000416782 (RDP), AJ512504 (Genbank). N4Lid DOI: 10.1601/nm.8480
- Arthrobacter oxydans*^{AL} Sgueros 1954. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14358. High-quality 16S rRNA sequence S000014927 (RDP), X83408 (Genbank). N4Lid DOI: 10.1601/nm.5863

- Arthrobacter parietis*^{VP} Heyrman et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16404. High-quality 16S rRNA sequence S000544089 (RDP), AJ639830 (Genbank). N4Lid 10.1601/nm.9489
- Arthrobacter pascens*^{AL} Lochhead and Burton 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13346. High-quality 16S rRNA sequence S000000969 (RDP), X80740 (Genbank). N4Lid DOI: 10.1601/nm.5864
- Arthrobacter pigmenti*^{VP} Heyrman et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16403. High-quality 16S rRNA sequence S000544086 (RDP), AJ639827 (Genbank). N4Lid 10.1601/nm.9490
- Arthrobacter polychromogenes*^{AL} Schippers-Lammertse et al. 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15216. High-quality 16S rRNA sequence S000010760 (RDP), X80741 (Genbank). N4Lid DOI: 10.1601/nm.5866
- Arthrobacter protophormiae*^{VP} (Lysenko 1959) Stackebrandt et al. 1984. <== *Brevibacterium protophormiae* (basonym). Synonym links through N4Lid: 10.1601/ex.5945. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19271. High-quality 16S rRNA sequence S000022362 (RDP), X80745 (Genbank). N4Lid DOI: 10.1601/nm.5867
- † *Brevibacterium protophormiae*^{AL} Lysenko 1959. ==> *Arthrobacter protophormiae* (new combination). Synonym links through N4Lid: 10.1601/ex.5945. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19271. High-quality 16S rRNA sequence S000022362 (RDP), X80745 (Genbank). N4Lid DOI: 10.1601/nm.5945
- Arthrobacter psychrolactophilus*^{VP} Loveland-Curtze et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700733. High-quality 16S rRNA sequence S000387891 (RDP), AF134179 (Genbank). N4Lid DOI: 10.1601/nm.5868
- Arthrobacter psychrophenicus*^{VP} Margesin et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15454. High-quality 16S rRNA sequence S000440229 (RDP), AJ616763 (Genbank). N4Lid DOI: 10.1601/nm.8481
- Arthrobacter ramosus*^{AL} Jensen 1960. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13727. High-quality 16S rRNA sequence S000000391 (RDP), X80742 (Genbank). N4Lid DOI: 10.1601/nm.5870
- Arthrobacter rhombi*^{VP} Osorio et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 38813. High-quality 16S rRNA sequence S000013841 (RDP), Y15885 (Genbank). N4Lid DOI: 10.1601/nm.5871
- Arthrobacter roseus*^{VP} Reddy et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14508. High-quality 16S rRNA sequence S000131048 (RDP), AJ278870 (Genbank). N4Lid DOI: 10.1601/nm.5872
- Arthrobacter russicus*^{VP} Li et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14555. High-quality 16S rRNA sequence S000334610 (RDP), AB071950 (Genbank). N4Lid DOI: 10.1601/nm.8482
- Arthrobacter scleromae*^{VP} Huang et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12642. High-quality 16S rRNA sequence S000391713 (RDP), AF330692 (Genbank). N4Lid 10.1601/nm.9649
- Arthrobacter stackebrandtii*^{VP} Tvrzová et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16005. High-quality 16S rRNA sequence S000539535 (RDP), AJ640198 (Genbank). N4Lid 10.1601/nm.9323
- Arthrobacter sulfonivorans*^{VP} Borodina et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-112. High-quality 16S rRNA sequence S000389776 (RDP), AF235091 (Genbank). N4Lid DOI: 10.1601/nm.5875
- Arthrobacter sulfureus*^{VP} Stackebrandt et al. 1984. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19098. High-quality 16S rRNA sequence S000014929 (RDP), X83409 (Genbank). N4Lid DOI: 10.1601/nm.5876
- Arthrobacter tecti*^{VP} Heyrman et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16407. High-quality 16S rRNA sequence S000544088 (RDP), AJ639829 (Genbank). N4Lid 10.1601/nm.9491

Arthrobacter tumbae^{VP} Heyrman et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16406. High-quality 16S rRNA sequence S000570152 (RDP), AJ315069 (Genbank). N4Lid 10.1601/nm.9492

Arthrobacter uratoxydans^{VP} Stackebrandt et al. 1984. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21749. High-quality 16S rRNA sequence S000000396 (RDP), X83410 (Genbank). N4Lid DOI: 10.1601/nm.5879

Arthrobacter ureafaciens^{AL} (Krebs and Eggleston 1939) Clark 1955. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 7562. High-quality 16S rRNA sequence S000004703 (RDP), X80744 (Genbank). N4Lid DOI: 10.1601/nm.5880

Arthrobacter viscosus^{AL} Gasdorf et al. 1965. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19584. High-quality 16S rRNA sequence S000544091 (RDP), AJ639832 (Genbank). N4Lid DOI: 10.1601/nm.5882

Arthrobacter woluwensis^{VP} Funke et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700220. N4Lid DOI: 10.1601/nm.5883

Genus *Citricoccus*^{VP} Altenburger et al. 2002. N4Lid DOI: 10.1601/nm.5884

Citricoccus muralis^{VP} Altenburger et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14442. High-quality 16S rRNA sequence S000104751 (RDP), AJ344143 (Genbank). N4Lid DOI: 10.1601/nm.5885

Citricoccus alkalitolerans^{VP} Li et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15665. High-quality 16S rRNA sequence S000473676 (RDP), AY376164 (Genbank). N4Lid DOI: 10.1601/nm.8544

Genus *Kocuria*^{VP} Stackebrandt et al. 1995. N4Lid DOI: 10.1601/nm.5886

Kocuria rosea^{VP} (Flügge 1886) Stackebrandt et al. 1995. <== *Micrococcus roseus* (basonym). Synonym links through N4Lid: 10.1601/ex.5836. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 186. High-quality 16S rRNA sequence S000000426 (RDP), Y11330 (Genbank). N4Lid DOI: 10.1601/nm.5887

† *Micrococcus roseus*^{AL} Flügge 1886. ==> *Kocuria rosea* (new combination). Synonym links through N4Lid: 10.1601/ex.5836. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 186. High-quality 16S rRNA sequence S000000426 (RDP), Y11330 (Genbank). N4Lid DOI: 10.1601/nm.5836

Kocuria aegyptia^{VP} Li et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 17006. High-quality 16S rRNA sequence S000537358 (RDP), DQ059617 (Genbank). N4Lid 10.1601/nm.9971

Kocuria carniphila^{VP} et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16004. High-quality 16S rRNA sequence S000471704 (RDP), AJ622907 (Genbank). N4Lid 10.1601/nm.8646

Kocuria erythromyxa^{VP} (Brooks and Murray 1981) Rainey et al. 1997. <== *Deinococcus erythromyxa* (basonym). Synonym links through N4Lid: 10.1601/ex.509. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 187. N4Lid DOI: 10.1601/nm.5888

† *Deinococcus erythromyxa*^{VP} (ex Chester 1901) Brooks and Murray 1981. ==> *Kocuria erythromyxa* (new combination). Synonym links through N4Lid: 10.1601/ex.509. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 187. N4Lid DOI: 10.1601/nm.509

Kocuria himachalensis^{VP} Mayilraj et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44905. High-quality 16S rRNA sequence S000528001 (RDP), AY987383 (Genbank). N4Lid DOI: 10.1601/nm.10222

Kocuria kristinae^{VP} (Kloos et al. 1974) Stackebrandt et al. 1995. <== *Micrococcus kristinae* (basonym). Synonym links through N4Lid: 10.1601/ex.5833. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27570. High-quality 16S rRNA sequence S000000438 (RDP), X80749 (Genbank). N4Lid DOI: 10.1601/nm.5889

† *Micrococcus kristinae*^{AL} Kloos et al. 1974. ==> *Kocuria kristinae* (new combination). Synonym links through N4Lid: 10.1601/ex.5833. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27570. High-quality 16S rRNA sequence S000000438 (RDP), X80749 (Genbank). N4Lid DOI: 10.1601/nm.5833

Kocuria marina^{VP} Kim et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 13363. High-quality 16S rRNA sequence S000460579 (RDP), AY211385 (Genbank). N4Lid 10.1601/nm.8647

Kocuria palustris^{VP} Kovács et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 11925. High-quality 16S rRNA sequence S000014978 (RDP), Y16263 (Genbank). N4Lid DOI: 10.1601/nm.5890

Kocuria polaris^{VP} Reddy et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14382. High-quality 16S rRNA sequence S000130611 (RDP), AJ278868 (Genbank). N4Lid DOI: 10.1601/nm.5891

Kocuria rhizophila^{VP} Kovács et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-50. High-quality 16S rRNA sequence S000008149 (RDP), Y16264 (Genbank). GOLD ID: Gi01300. GCAT ID: 000837_GCAT. Sequenced strain: DSM 11926 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.5892

Kocuria varians^{VP} (Migula 1900) Stackebrandt et al. 1995. <== *Micrococcus varians* (basonym). Synonym links through N4Lid: 10.1601/ex.5838. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15306. High-quality 16S rRNA sequence S000007000 (RDP), X87754 (Genbank). N4Lid DOI: 10.1601/nm.5893

† *Micrococcus varians*^{AL} Migula 1900. ==> *Kocuria varians* (new combination). Synonym links through N4Lid: 10.1601/ex.5838. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15306. High-quality 16S rRNA sequence S000007000 (RDP), X87754 (Genbank). N4Lid DOI: 10.1601/nm.5838

Genus *Nesterenkonia*^{VP} Stackebrandt et al. 1995. N4Lid DOI: 10.1601/nm.5894

Nesterenkonia halobia^{VP} (Onishi and Kamekura 1972) Stackebrandt et al. 1995. <== *Micrococcus halobius* (basonym). Synonym links through N4Lid: 10.1601/ex.5832. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21727. High-quality 16S rRNA sequence S000011972 (RDP), X80747 (Genbank). N4Lid DOI: 10.1601/nm.5895

† *Micrococcus halobius*^{AL} Onishi and Kamekura 1972. ==> *Nesterenkonia halobia* (new combination). Synonym links through N4Lid: 10.1601/ex.5832. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21727. High-quality 16S rRNA sequence S000011972 (RDP), X80747 (Genbank). N4Lid DOI: 10.1601/nm.5832

Nesterenkonia aethiopica^{VP} Delgado et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 17733. High-quality 16S rRNA sequence S000361303 (RDP), AY574575 (Genbank). N4Lid DOI: 10.1601/nm.10086

Nesterenkonia halotolerans^{VP} Li et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15474. High-quality 16S rRNA sequence S000356922 (RDP), AY226508 (Genbank). N4Lid 10.1601/nm.8728

Nesterenkonia lacusekhoensis^{VP} Collins et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 12544. High-quality 16S rRNA sequence S000129991 (RDP), AJ290397 (Genbank). N4Lid DOI: 10.1601/nm.5896

Nesterenkonia lutea^{VP} Li et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15666. High-quality 16S rRNA sequence S000475497 (RDP), AY588278 (Genbank). N4Lid 10.1601/nm.8729

Nesterenkonia sandarakina^{VP} Li et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15664. High-quality 16S rRNA sequence S000475496 (RDP), AY588277 (Genbank). N4Lid 10.1601/nm.8730

Nesterenkonia xinjiangensis^{VP} Li et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15475. High-quality 16S rRNA sequence S000356924 (RDP), AY226510 (Genbank). N4Lid 10.1601/nm.8731

Genus *Renibacterium*^{VP} Sanders and Fryer 1980. N4Lid DOI: 10.1601/nm.5897

Renibacterium salmoninarum^{VP} Sanders and Fryer 1980. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33209. High-quality 16S rRNA sequence S000129969 (RDP), X51601 (Genbank). GOLD ID: Gi00502. GCAT ID: 001402_GCAT. Entrez genome id: 10692. Sequenced strain: ATCC 33209 is type material.

Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.5898

Genus *Rothia*^{AL} Georg and Brown 1967. N4Lid DOI: 10.1601/nm.5899

Rothia dentocariosa^{AL} (Onishi 1949) Georg and Brown 1967. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 17931. High-quality 16S rRNA sequence S000622338 (RDP), M59055 (Genbank). N4Lid DOI: 10.1601/nm.5900

Rothia aeria^{VP} Li et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14556. High-quality 16S rRNA sequence S000334612 (RDP), AB071952 (Genbank). N4Lid 10.1601/nm.8822

Rothia amarae^{VP} Fan et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 11375. High-quality 16S rRNA sequence S000484536 (RDP), AY043359 (Genbank). N4Lid DOI: 10.1601/nm.5901

Rothia mucilaginoso^{VP} (Bergan and Kocur 1982) Collins et al. 2000. <== *Stomatococcus mucilaginosus* (basonym). Synonym links through N4Lid: 10.1601/ex.5905. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25296. High-quality 16S rRNA sequence S000005914 (RDP), X95483 (Genbank). N4Lid DOI: 10.1601/nm.5902

† *Stomatococcus mucilaginosus*^{VP} (ex Migula 1900) Bergan and Kocur 1982. ==> *Rothia mucilaginoso* (new combination). Synonym links through N4Lid: 10.1601/ex.5905. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25296. High-quality 16S rRNA sequence S000005914 (RDP), X95483 (Genbank). N4Lid DOI: 10.1601/nm.5905

Rothia nasimurium^{VP} Collins et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 35957. High-quality 16S rRNA sequence S000006658 (RDP), AJ131121 (Genbank). N4Lid DOI: 10.1601/nm.5903

Genus † *Stomatococcus*^{VP} Bergan and Kocur 1982. Unified with *Rothia*, links through 10.1601/nm.1140. N4Lid DOI: 10.1601/nm.5904

Genus *Yania*^{VP} Li et al. 2004. N4Lid DOI: 10.1601/nm.5906

Yania halotolerans^{VP} Li et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15476. High-quality 16S rRNA sequence S000403225 (RDP), AY228479 (Genbank). N4Lid DOI: 10.1601/nm.5907

Yania flava^{VP} Li et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16377. High-quality 16S rRNA sequence S000375174 (RDP), AY684123 (Genbank). N4Lid 10.1601/nm.9583

Family *Bogoriellaceae*^{VP} Schumann and Stackebrandt 2000. N4Lid DOI: 10.1601/nm.5908

Genus *Bogoriella*^{VP} Groth et al. 1997. N4Lid DOI: 10.1601/nm.5909

Bogoriella caseilytica^{VP} Groth et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700413. N4Lid DOI: 10.1601/nm.5910

Family *Rarobacteraceae*^{VP} Stackebrandt and Schumann 2000. N4Lid DOI: 10.1601/nm.5911

Genus *Rarobacter*^{VP} Yamamoto et al. 1988. N4Lid DOI: 10.1601/nm.5912

Rarobacter faecitabidus^{VP} Yamamoto et al. 1988. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49628. High-quality 16S rRNA sequence S000009734 (RDP), Y17870 (Genbank). N4Lid DOI: 10.1601/nm.5913

Rarobacter incanus^{VP} Yamamoto et al. 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51544. High-quality 16S rRNA sequence S000009040 (RDP), AB056129 (Genbank). N4Lid DOI: 10.1601/nm.5914

Family *Sanguibacteraceae*^{VP} Stackebrandt and Schumann 2000. N4Lid DOI: 10.1601/nm.5915

Genus *Sanguibacter*^{VP} Fernandez-Garayzabal et al. 1995. N4Lid DOI: 10.1601/nm.5916

Sanguibacter keddieii^{VP} Fernandez-Garayzabal et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51767. High-quality 16S rRNA sequence S000015417 (RDP), X79450 (Genbank). N4Lid DOI: 10.1601/nm.5917

Sanguibacter inulinus^{VP} Pascual et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 36689. High-quality 16S rRNA sequence S000012436 (RDP), X79451 (Genbank). N4Lid DOI: 10.1601/nm.5918

Sanguibacter marinus^{VP} Huang et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12547. High-quality 16S rRNA sequence S000417236 (RDP), AJ783958 (Genbank). N4Lid 10.1601/nm.9566

Sanguibacter suarezi^{VP} Fernandez-Garayzabal et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51766. High-quality 16S rRNA sequence S000005554 (RDP), X79452 (Genbank). N4Lid DOI: 10.1601/nm.5919

Family *Brevibacteriaceae*^{AL} Breed 1953. N4Lid DOI: 10.1601/nm.5920

Genus *Brevibacterium*^{AL} Breed 1953. N4Lid DOI: 10.1601/nm.5921

Brevibacterium linens^{AL} (Wolff 1910) Breed 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 9172. High-quality 16S rRNA sequence S000016372 (RDP), X77451 (Genbank). GOLD ID: Gi00096. GCAT ID: 000790_GCAT. Entrez genome id: 405. Sequenced strain: ATCC 9174 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.5922

Brevibacterium albidum^{AL} Komagata and Iizuka 1964. == *Curtobacterium albidum* (later homotypic synonym), links through 10.1601./ex.5924. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 20512. High-quality 16S rRNA sequence S000544764 (RDP), AM042692 (Genbank). N4Lid DOI: 10.1601/nm.5924

† *Brevibacterium citreum*^{AL} Komagata and Iizuka 1964. ==> *Curtobacterium citreum* (new combination). Synonym links through N4Lid: 10.1601/ex.5928. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 20528. High-quality 16S rRNA sequence S000021808 (RDP), X77436 (Genbank). N4Lid DOI: 10.1601/nm.5928

† *Curtobacterium citreum*^{AL} (Komagata and Iizuka 1964) Yamada and Komagata 1972. ≈ *Brevibacterium albidum* (earlier homotypic synonym), links through 10.1601./ex.5928. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15828. High-quality 16S rRNA sequence S000021808 (RDP), X77436 (Genbank). N4Lid DOI: 10.1601/nm.6119

† *Curtobacterium albidum*^{AL} (Komagata and Iizuka 1964) Yamada and Komagata 1972. ≈ *Brevibacterium albidum* (earlier homotypic synonym), links through 10.1601./ex.5924. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15831. High-quality 16S rRNA sequence S000544764 (RDP), AM042692 (Genbank). N4Lid DOI: 10.1601/nm.6120

Brevibacterium antiquum^{VP} Gavrish et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 13317. High-quality 16S rRNA sequence S000274851 (RDP), AY243344 (Genbank). N4Lid DOI: 10.1601/nm.8518

Brevibacterium aurantiacum^{VP} Gavrish et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 9175. High-quality 16S rRNA sequence S000334556 (RDP), X76566 (Genbank). N4Lid DOI: 10.1601/nm.8519

Brevibacterium avium^{VP} Pascual and Collins 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 43455. High-quality 16S rRNA sequence S000022337 (RDP), Y17962 (Genbank). N4Lid DOI: 10.1601/nm.5926

Brevibacterium casei^{VP} Collins et al. 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35513. High-quality 16S rRNA sequence S000009202 (RDP), X76564 (Genbank). N4Lid DOI: 10.1601/nm.5927

Brevibacterium celere^{VP} Ivanova et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-809. High-quality 16S rRNA sequence S000460587 (RDP), AY228463 (Genbank). N4Lid DOI: 10.1601/nm.8520

Brevibacterium epidermidis^{VP} Collins et al. 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35514. High-quality 16S rRNA sequence S000008099 (RDP), X76565 (Genbank). N4Lid DOI: 10.1601/nm.5930

Brevibacterium frigoritolerans^{AL} Delaporte and Sasson 1967. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25097. N4Lid DOI: 10.1601/nm.5932

Brevibacterium halotolerans^{AL} Delaporte and Sasson 1967. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25096. High-quality 16S rRNA sequence S000447136 (RDP), AJ620368 (Genbank). N4Lid DOI: 10.1601/nm.5933

Brevibacterium iodinum^{VP} (ex Davis 1939) Collins et al. 1981. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49514. High-quality 16S rRNA sequence S000007728 (RDP), X83813 (Genbank). N4Lid DOI: 10.1601/nm.5936

Brevibacterium luteolum^{VP} corrig. [lutescens (sic)] Wauters et al. 2003</authority> Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15022. N4Lid DOI: 10.1601/nm.5938

Brevibacterium luteum^{AL} Komagata and Iizuka 1964. == *Curtobacterium luteum* (later homotypic synonym), links through 10.1601./ex.5939. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 20542. High-quality 16S rRNA sequence S000016032 (RDP), X77437 (Genbank). N4Lid DOI: 10.1601/nm.5939

† *Curtobacterium luteum*^{AL} (Komagata and Iizuka 1964) Yamada and Komagata 1972.~
Brevibacterium luteum (earlier homotypic synonym), links through 10.1601./ex.5939. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15830. High-quality 16S rRNA sequence S000016032 (RDP), X77437 (Genbank). N4Lid DOI: 10.1601/nm.6123

Brevibacterium mcbrellneri^{VP} McBride et al. 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49030. High-quality 16S rRNA sequence S000009995 (RDP), X93594 (Genbank). N4Lid DOI: 10.1601/nm.5941

Brevibacterium otitidis^{VP} Pascual et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700348. High-quality 16S rRNA sequence S000003069 (RDP), X93593 (Genbank). N4Lid DOI: 10.1601/nm.5942

Brevibacterium paucivorans^{VP} Wauters et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-616. High-quality 16S rRNA sequence S000127048 (RDP), AJ251463 (Genbank). N4Lid DOI: 10.1601/nm.5944

Brevibacterium permense^{VP} Gavriš et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 13318. High-quality 16S rRNA sequence S000273981 (RDP), AY243343 (Genbank). N4Lid DOI: 10.1601/nm.8521

Brevibacterium picturae^{VP} Heyrman et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16132. High-quality 16S rRNA sequence S000447132 (RDP), AJ620364 (Genbank). N4Lid DOI: 10.1601/nm.8522

Brevibacterium pusillum^{AL} Iizuka and Komagata 1965. == *Curtobacterium pusillum* (later homotypic synonym), links through 10.1601./ex.5946. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 20527. High-quality 16S rRNA sequence S000367091 (RDP), AJ784400 (Genbank). N4Lid DOI: 10.1601/nm.5946

† *Curtobacterium pusillum*^{AL} (Iizuka and Komagata 1965) Yamada and Komagata 1972. ==
Brevibacterium pusillum (earlier homotypic synonym), links through 10.1601./ex.5946. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19096. High-quality 16S rRNA sequence S000367091 (RDP), AJ784400 (Genbank). N4Lid DOI: 10.1601/nm.6125

Brevibacterium samyangense^{VP} Lee 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-41420. High-quality 16S rRNA sequence S000721592 (RDP), DQ344485 (Genbank). N4Lid DOI: 10.1601/nm.10218

Brevibacterium sanguinis^{VP} Wauters et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15677. High-quality 16S rRNA sequence S000366489 (RDP), AJ564859 (Genbank). N4Lid DOI: 10.1601/nm.8523

Brevibacterium stationis^{AL} (ZoBell and Upham 1944) Breed 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14403. High-quality 16S rRNA sequence S000447135 (RDP), AJ620367 (Genbank). N4Lid DOI: 10.1601/nm.5948

Family Catenulisporaceae^{VP} Busti et al 2006. N4Lid DOI: 10.1601/nm.10336

Genus Catenulispora^{VP} Busti et al. 2006. N4Lid DOI: 10.1601/nm.10207

Catenulispora acidiphila^{VP} Busti et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24433. High-quality 16S rRNA sequence S000539682 (RDP), AJ865857 (Genbank). N4Lid DOI: 10.1601/nm.10206

Genus *Actinospica*^{VP} Cavaletti et al. 2006. N4Lid DOI: 10.1601/nm.10209

Actinospica acidiphila^{VP} Cavaletti et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24431. High-quality 16S rRNA sequence S000617251 (RDP), AJ865863 (Genbank). N4Lid DOI: 10.1601/nm.10210

Actinospica robiniae^{VP} Cavaletti et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24432. High-quality 16S rRNA sequence S000539686 (RDP), AJ865861 (Genbank). N4Lid DOI: 10.1601/nm.10208

Family *Cellulomonadaceae*^{VP} Stackebrandt and Prauser 1991. N4Lid DOI: 10.1601/nm.5951

Genus *Cellulomonas*^{AL} Bergey et al. 1923. N4Lid DOI: 10.1601/nm.5952

Cellulomonas flavigena^{AL} (Kellerman and McBeth 1912) Bergey et al. 1923. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 482. High-quality 16S rRNA sequence S000021667 (RDP), X83799 (Genbank). N4Lid DOI: 10.1601/nm.5953

Cellulomonas biazotea^{AL} (Kellerman et al. 1913) Bergey et al. 1923. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 486. High-quality 16S rRNA sequence S000001952 (RDP), X79462 (Genbank). N4Lid DOI: 10.1601/nm.5954

Cellulomonas bogoriensis^{VP} Jones et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16987. High-quality 16S rRNA sequence S000588796 (RDP), X92152 (Genbank). N4Lid 10.1601/nm.9511

Cellulomonas cellasea^{AL} (Kellerman et al. 1913) Bergey et al. 1923. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 487. High-quality 16S rRNA sequence S000021223 (RDP), X79459 (Genbank). N4Lid DOI: 10.1601/nm.5956

Cellulomonas denverensis^{VP} Brown et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-788. High-quality 16S rRNA sequence S000369223 (RDP), AY501362 (Genbank). N4Lid 10.1601/nm.9474

Cellulomonas fermentans^{VP} Bagnara et al. 1985. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43279. High-quality 16S rRNA sequence S000004718 (RDP), X79458 (Genbank). N4Lid DOI: 10.1601/nm.5958

Cellulomonas fimi^{AL} (McBeth and Scales 1913) Bergey et al. 1923. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 484. High-quality 16S rRNA sequence S000003882 (RDP), X79460 (Genbank). N4Lid DOI: 10.1601/nm.5959

Cellulomonas gelida^{AL} (Kellerman et al. 1913) Bergey et al. 1923. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 488. High-quality 16S rRNA sequence S000011171 (RDP), X83800 (Genbank). N4Lid DOI: 10.1601/nm.5960

Cellulomonas hominis^{VP} Funke et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51964. High-quality 16S rRNA sequence S000004448 (RDP), X82598 (Genbank). N4Lid DOI: 10.1601/nm.5961

Cellulomonas humilata^{VP} corrig. (Gledhill and Casida 1969) Collins and Pascual 2000. <== *Actinomyces humiferus* (basonym). Synonym links through N4Lid: 10.1601/ex.5788. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25174. High-quality 16S rRNA sequence S000022009 (RDP), X82449 (Genbank). N4Lid DOI: 10.1601/nm.5962

† *Actinomyces humiferus*^{AL} Gledhill and Casida 1969. ==> *Cellulomonas humilata* (new combination). Synonym links through N4Lid: 10.1601/ex.5788. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25174. High-quality 16S rRNA sequence S000022009 (RDP), X82449 (Genbank). N4Lid DOI: 10.1601/nm.5788

Cellulomonas iranensis^{VP} Elberson et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700643. High-quality 16S rRNA sequence S000428343 (RDP), AF064702 (Genbank). N4Lid DOI: 10.1601/nm.5963

Cellulomonas persica^{VP} Elberson et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700642. High-quality 16S rRNA sequence S000428342 (RDP), AF064701 (Genbank). N4Lid DOI: 10.1601/nm.5964

Cellulomonas terrae^{VP} An et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: KCTC 19081. High-quality 16S rRNA sequence S000550679 (RDP), AY884570 (Genbank). N4Lid 10.1601/nm.9510

Cellulomonas uda^{AL} (Kellerman et al. 1913) Bergey et al. 1923. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 491. High-quality 16S rRNA sequence S000009225 (RDP), X83801 (Genbank). N4Lid DOI: 10.1601/nm.5966

Cellulomonas xylanilytica^{VP} Rivas et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: LMG 21723. High-quality 16S rRNA sequence S000406353 (RDP), AY303668 (Genbank). N4Lid DOI: 10.1601/nm.5967

Genus *Oerskovia*^{AL} Prauser et al. 1970. N4Lid DOI: 10.1601/nm.5968

Oerskovia turbata^{AL} (Erikson 1954) Prauser et al. 1970. ==> *Cellulomonas turbata* (new combination). Synonym links through N4Lid: 10.1601/ex.5969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25835. High-quality 16S rRNA sequence S000001315 (RDP), X83806 (Genbank). N4Lid DOI: 10.1601/nm.5969

† *Cellulomonas turbata*^{VP} (Erikson 1954) Stackebrandt et al. 1983. <== *Oerskovia turbata* (basonym). Synonym links through N4Lid: 10.1601/ex.5969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25835. High-quality 16S rRNA sequence S000001315 (RDP), X83806 (Genbank). N4Lid DOI: 10.1601/nm.5965

Oerskovia enterophila^{VP} (Jäger et al. 1983) Stackebrandt et al. 2002. <== *Promicromonospora enterophila* (basonym). Synonym links through N4Lid: 10.1601/ex.6175. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35307. High-quality 16S rRNA sequence S000002380 (RDP), X83807 (Genbank). N4Lid DOI: 10.1601/nm.5970

† *Promicromonospora enterophila*^{VP} Jäger et al. 1983. ==> *Oerskovia enterophila* (new combination). Synonym links through N4Lid: 10.1601/ex.6175. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35307. N4Lid DOI: 10.1601/nm.6175

Oerskovia jenensis^{VP} Stackebrandt et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 46000. High-quality 16S rRNA sequence S000088252 (RDP), AJ314848 (Genbank). N4Lid DOI: 10.1601/nm.5971

Oerskovia paurometabola^{VP} Stackebrandt et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14281. High-quality 16S rRNA sequence S000088253 (RDP), AJ314851 (Genbank). N4Lid DOI: 10.1601/nm.5972

Genus *Tropheryma*^{VP} La Scola et al. 2001. N4Lid DOI: 10.1601/nm.5974

Tropheryma whipplei^{VP} La Scola et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CNCM I-2202. High-quality 16S rRNA sequence S000390102 (RDP), AF251035 (Genbank). GOLD ID: Gc00123. GCAT ID: 000487_GCAT. Entrez genome id: 354. Sequenced strain: TW08/27 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 2 (GOLD) 2 (NCBI). N4Lid DOI: 10.1601/nm.5975

Family *Dermabacteraceae*^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.5976

Genus *Dermabacter*^{VP} Jones and Collins 1989. N4Lid DOI: 10.1601/nm.5977

Dermabacter hominis^{VP} Jones and Collins 1989. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49369. High-quality 16S rRNA sequence S000009616 (RDP), X91034 (Genbank). N4Lid DOI: 10.1601/nm.5978

Genus *Brachybacterium*^{VP} Collins et al. 1988. N4Lid DOI: 10.1601/nm.5979

Brachybacterium faecium^{VP} Collins et al. 1988. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43885. High-quality 16S rRNA sequence S000021768 (RDP), X83810 (Genbank). N4Lid DOI: 10.1601/nm.5980

Brachybacterium alimentarium^{VP} Schubert et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700067. High-quality 16S rRNA sequence S000015305 (RDP), X91031 (Genbank). N4Lid DOI: 10.1601/nm.5981

Brachybacterium conglomeratum^{VP} (ex Migula 1900) Takeuchi et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 10241. N4Lid DOI: 10.1601/nm.5982

Brachybacterium fresconis^{VP} Heyrman et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14564. High-quality 16S rRNA sequence S000446671 (RDP), AJ415378 (Genbank). N4Lid DOI: 10.1601/nm.5983

Brachybacterium muris^{VP} Buczolits et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14560. High-quality 16S rRNA sequence S000251362 (RDP), AJ537574 (Genbank). N4Lid DOI: 10.1601/nm.5984

Brachybacterium nesterenkovi^{VP} Gvozdyak et al. 1992. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 9573. High-quality 16S rRNA sequence S000014598 (RDP), X91033 (Genbank). N4Lid DOI: 10.1601/nm.5985

Brachybacterium paraconglomeratum^{VP} Takeuchi et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51843. High-quality 16S rRNA sequence S000446670 (RDP), AJ415377 (Genbank). N4Lid DOI: 10.1601/nm.5986

Brachybacterium rhamnosum^{VP} Takeuchi et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51844. High-quality 16S rRNA sequence S000446669 (RDP), AJ415376 (Genbank). N4Lid DOI: 10.1601/nm.5987

Brachybacterium sacelli^{VP} Heyrman et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14566. High-quality 16S rRNA sequence S000446677 (RDP), AJ415384 (Genbank). N4Lid DOI: 10.1601/nm.5988

Brachybacterium tyrofermentans^{VP} Schubert et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700068. High-quality 16S rRNA sequence S000006193 (RDP), X91657 (Genbank). N4Lid DOI: 10.1601/nm.5989

Family Dermatophilaceae^{AL} Austwick 1958. N4Lid DOI: 10.1601/nm.5990

Genus Dermatophilus^{AL} (van Saceghem 1915) Gordon 1964. N4Lid DOI: 10.1601/nm.5991

Dermatophilus congolensis^{AL} (van Saceghem 1915) Gordon 1964. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14637. High-quality 16S rRNA sequence S000004597 (RDP), M59057 (Genbank). N4Lid DOI: 10.1601/nm.5992

Dermatophilus chelonae^{VP} Masters et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51576. High-quality 16S rRNA sequence S000015335 (RDP), AJ243919 (Genbank). N4Lid DOI: 10.1601/nm.5993

Genus Kineosphaera^{VP} Liu et al. 2002. N4Lid DOI: 10.1601/nm.5994

Kineosphaera limosa^{VP} Liu et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14548. High-quality 16S rRNA sequence S000498511 (RDP), AF109792 (Genbank). N4Lid DOI: 10.1601/nm.5995

Family Dermacoccaceae^{VP} Schumann and Stackebrandt 2000. N4Lid DOI: 10.1601/nm.5996

Genus Dermacoccus^{VP} Stackebrandt et al. 1995. N4Lid DOI: 10.1601/nm.5997

Dermacoccus nishinomiyaensis^{VP} (Oda 1935) Stackebrandt et al. 1995. <== *Micrococcus nishinomiyaensis* (basonym). Synonym links through N4Lid: 10.1601/ex.5835. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29093. N4Lid DOI: 10.1601/nm.5998

† *Micrococcus nishinomiyaensis*^{AL} Oda 1935. ==> *Dermacoccus nishinomiyaensis* (new combination). Synonym links through N4Lid: 10.1601/ex.5835. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29093. N4Lid DOI: 10.1601/nm.5835

Dermacoccus abyssi^{VP} Pathom-aree et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 17573. High-quality 16S rRNA sequence S000576760 (RDP), AY894323 (Genbank). N4Lid DOI: 10.1601/nm.10087

Genus Demetria^{VP} Groth et al. 1997. N4Lid DOI: 10.1601/nm.5999

Demetria terrigena^{VP} Groth et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 11295. High-quality 16S rRNA sequence S000003905 (RDP), Y14152 (Genbank). N4Lid DOI: 10.1601/nm.6000

Genus Kytococcus^{VP} Stackebrandt et al. 1995. N4Lid DOI: 10.1601/nm.6001

Kytococcus sedentarius^{VP} (ZoBell and Upham 1944) Stackebrandt et al. 1995. <== *Micrococcus sedentarius* (basonym). Synonym links through N4Lid: 10.1601/ex.5837. Source of type material

recommended for DOE sponsored genome sequencing by the JGI: ATCC 14392. High-quality 16S rRNA sequence S000007341 (RDP), X87755 (Genbank). N4Lid DOI: 10.1601/nm.6002

† *Micrococcus sedentarius*^{AL} ZoBell and Upham 1944. ==> *Kytococcus sedentarius* (new combination). Synonym links through N4Lid: 10.1601/ex.5837. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14392. High-quality 16S rRNA sequence S000007341 (RDP), X87755 (Genbank). N4Lid DOI: 10.1601/nm.5837

Kytococcus schroeteri^{VP} Becker et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 13884. High-quality 16S rRNA sequence S000264447 (RDP), AJ297722 (Genbank). N4Lid DOI: 10.1601/nm.6003

Family Intrasporangiaceae^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.6004

Genus Intrasporangium^{AL} Kalakoutskii et al. 1967. N4Lid DOI: 10.1601/nm.6005

Intrasporangium calvum^{AL} Kalakoutskii et al. 1967. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23552. High-quality 16S rRNA sequence S000136070 (RDP), AJ566282 (Genbank). N4Lid DOI: 10.1601/nm.6006

Genus Arsenicococcus^{VP} Collins et al. 2004. N4Lid DOI: 10.1601/nm.6007

Arsenicococcus bolidensis^{VP} Collins et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15745. High-quality 16S rRNA sequence S000323368 (RDP), AJ558133 (Genbank). N4Lid DOI: 10.1601/nm.6008

Genus Janibacter^{VP} Martin et al. 1997. GOLD ID: Gi00846. GCAT ID: 001143_GCAT. Entrez genome id: 13546. Sequenced strain: HTCC2649 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6009

Janibacter limosus^{VP} Martin et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700321. High-quality 16S rRNA sequence S000006621 (RDP), Y08539 (Genbank). N4Lid DOI: 10.1601/nm.6010

Janibacter anophelis^{VP} Kämpfer et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 49715. High-quality 16S rRNA sequence S000618461 (RDP), AY837752 (Genbank). N4Lid 10.1601/nm.9868

Janibacter melonis^{VP} Yoon et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16063. High-quality 16S rRNA sequence S000441824 (RDP), AY522568 (Genbank). N4Lid 10.1601/nm.8629

† *Janibacter brevis*^{VP} Imamura et al. 2000. ≈ *Janibacter terrae* (earlier heterotypic synonym), links through 10.1601/nm.6012. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 13953. High-quality 16S rRNA sequence S000251407 (RDP), AJ310085 (Genbank). N4Lid DOI: 10.1601/nm.6011

Janibacter terrae^{VP} Yoon et al. 2000. ≈ *Janibacter brevis* (later heterotypic synonym), links through 10.1601/nm.6012. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-130. High-quality 16S rRNA sequence S000008019 (RDP), AB016438 (Genbank). N4Lid DOI: 10.1601/nm.6012

Genus Knoellia^{VP} Groth et al. 2002. N4Lid DOI: 10.1601/nm.6013

Knoellia sinensis^{VP} Groth et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 12331. High-quality 16S rRNA sequence S000017300 (RDP), AJ294412 (Genbank). N4Lid DOI: 10.1601/nm.6014

Knoellia subterranea^{VP} Groth et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 12332. High-quality 16S rRNA sequence S000000917 (RDP), AJ294413 (Genbank). N4Lid DOI: 10.1601/nm.6015

Genus Ornithinococcus^{VP} Groth et al. 1999. N4Lid DOI: 10.1601/nm.6016

Ornithinococcus hortensis^{VP} Groth et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-9. High-quality 16S rRNA sequence S000018531 (RDP), Y17869 (Genbank). N4Lid DOI: 10.1601/nm.6017

Genus Ornithinimicrobium^{VP} Groth et al. 2001. N4Lid DOI: 10.1601/nm.6018

Ornithinimicrobium kibberense^{VP} Mayilraj et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 17687. High-quality 16S rRNA sequence S000421854 (RDP), AY636111 (Genbank). N4Lid DOI: 10.1601/nm.10142

Ornithinimicrobium humiphilum^{VP} Groth et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 12362. High-quality 16S rRNA sequence S000128250 (RDP), AJ277650 (Genbank). N4Lid DOI: 10.1601/nm.6019

Genus *Oryzihumus*^{VP} Kageyama et al. 2005. N4Lid 10.1601/nm.9713

Oryzihumus leptocrescens^{VP} Kageyama et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24347. High-quality 16S rRNA sequence S000539085 (RDP), AB193172 (Genbank). N4Lid 10.1601/nm.9712

Genus "*Nostocoidia*" N4Lid DOI: 10.1601/nm.6020

"*Nostocoidia limicola*" Source of type material recommended for DOE sponsored genome sequencing by the JGI: No viable deposit available. N4Lid DOI: 10.1601/nm.6021

Genus *Serinicoccus*^{VP} Yi et al. 2004. N4Lid 10.1601/nm.8839

Serinicoccus marinus^{VP} Yi et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15273. High-quality 16S rRNA sequence S000419155 (RDP), AY382898 (Genbank). N4Lid 10.1601/nm.8840

Genus *Terrabacter*^{VP} Collins et al. 1989. N4Lid DOI: 10.1601/nm.6022

Terrabacter tumescens^{VP} (Jensen 1934) Collins et al. 1989. <== *Arthrobacter tumescens* (basonym). Synonym links through N4Lid: 10.1601/ex.6023. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6947. High-quality 16S rRNA sequence S000021943 (RDP), X83812 (Genbank). N4Lid DOI: 10.1601/nm.6023

† *Pimelobacter tumescens*^{VP} (Jensen 1934) Suzuki and Komagata 1983. <== *Arthrobacter tumescens* (basonym). *Terrabacter tumescens* (new combination). Synonym links through N4Lid: 10.1601/ex.6023. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6947. High-quality 16S rRNA sequence S000021943 (RDP), X83812 (Genbank). N4Lid 10.1601/nm.9114

† *Arthrobacter tumescens*^{AL} (Jensen 1934) Conn and Dimmick 1947. ==> *Pimelobacter tumescens* (new combination). Synonym links through N4Lid: 10.1601/ex.6023. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6947. N4Lid DOI: 10.1601/nm.5878

Terrabacter terrae^{VP} Montero-Barrientos et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: LMG 22921. High-quality 16S rRNA sequence S000514220 (RDP), AY944176 (Genbank). N4Lid 10.1601/nm.9710

Genus *Terracoccus*^{VP} Prauser et al. 1997. N4Lid DOI: 10.1601/nm.6024

Terracoccus luteus^{VP} Prauser et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700812. High-quality 16S rRNA sequence S000022904 (RDP), Y11928 (Genbank). N4Lid DOI: 10.1601/nm.6025

Genus *Tetrasphaera*^{VP} Maszenan et al. 2000. N4Lid DOI: 10.1601/nm.6026

Tetrasphaera japonica^{VP} Maszenan et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 13192. High-quality 16S rRNA sequence S000387256 (RDP), AF125092 (Genbank). N4Lid DOI: 10.1601/nm.6027

Tetrasphaera australiensis^{VP} Maszenan et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 12890. High-quality 16S rRNA sequence S000387255 (RDP), AF125091 (Genbank). N4Lid DOI: 10.1601/nm.6028

Tetrasphaera duodecadis^{VP} (Lochhead 1958) Ishikawa and Yokota 2006. <== *Arthrobacter duodecadis* (basonym). Synonym links through N4Lid: 10.1601/ex.5850. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13347. High-quality 16S rRNA sequence S000384505 (RDP), AB072496 (Genbank). N4Lid 10.1601/nm.9775

† *Arthrobacter duodecadis*^{AL} Lochhead 1958. ==> *Tetrasphaera duodecadis* (new combination). Synonym links through N4Lid: 10.1601/ex.5850. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13347. High-quality 16S rRNA sequence S000384505 (RDP), AB072496 (Genbank). N4Lid DOI: 10.1601/nm.5850

Tetrasphaera elongata^{VP} Hanada et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14184. High-quality 16S rRNA sequence S000427635 (RDP), AB030911 (Genbank). N4Lid DOI: 10.1601/nm.6029

Family *Jonesiaceae*^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.6030

Genus *Jonesia* ^{VP} Rocourt and Stackbrandt 1987. N4Lid DOI: 10.1601/nm.6031

Jonesia denitrificans ^{VP} (Prévot 1961) Rocourt et al. 1987. <== *Listeria denitrificans* (basonym).
Synonym links through N4Lid: 10.1601/ex.5097. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: ATCC 14870. High-quality 16S rRNA sequence
S000003511 (RDP), X83811 (Genbank). N4Lid DOI: 10.1601/nm.6032

† *Listeria denitrificans* ^{AL} Prévot 1961. ==> *Jonesia denitrificans* (new combination). Synonym
links through N4Lid: 10.1601/ex.5097. Source of type material recommended for DOE sponsored
genome sequencing by the JGI: ATCC 14870. High-quality 16S rRNA sequence S000003511
(RDP), X83811 (Genbank). N4Lid DOI: 10.1601/nm.5097

Jonesia quinghaiensis ^{VP} Schumann et al. 2004. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: DSM 15701. High-quality 16S rRNA sequence
S000440238 (RDP), AJ626896 (Genbank). N4Lid 10.1601/nm.8632

Family *Microbacteriaceae* ^{VP} Park et al 1995. N4Lid DOI: 10.1601/nm.6033

Genus *Microbacterium* ^{AL} Orla-Jensen 1919. ≈ *Microbacterium* (later heterotypic synonym), links
through 10.1601/nm.6034. N4Lid DOI: 10.1601/nm.6034

Microbacterium lacticum ^{AL} Orla-Jensen 1919. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: ATCC 8180. High-quality 16S rRNA sequence
S000013457 (RDP), X77441 (Genbank). N4Lid DOI: 10.1601/nm.6035

Microbacterium aerolatum ^{VP} Zlamala et al. 2002. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: NRRL B-24228. High-quality 16S rRNA sequence
S000083932 (RDP), AJ309929 (Genbank). N4Lid DOI: 10.1601/nm.6036

Microbacterium aoyamense ^{VP} Kageyama et al. 2006. Source of type material recommended for
DOE sponsored genome sequencing by the JGI: NRRL B-24451. High-quality 16S rRNA sequence
S000622940 (RDP), AB234028 (Genbank). N4Lid DOI: 10.1601/nm.10271

Microbacterium arabinogalactanolyticum ^{VP} (Yokota et al. 1993) Takeuchi and Hatano 1998.
<== *Aureobacterium arabinogalactanolyticum* (basonym). Synonym links through N4Lid:
10.1601/ex.6091. Source of type material recommended for DOE sponsored genome sequencing
by the JGI: ATCC 51926. High-quality 16S rRNA sequence S000381729 (RDP), AB004715
(Genbank). N4Lid DOI: 10.1601/nm.6037

† *Aureobacterium arabinogalactanolyticum* ^{VP} Yokota et al. 1993. ==> *Microbacterium*
arabinogalactanolyticum (new combination). Synonym links through N4Lid: 10.1601/ex.6091.
Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC
51926. High-quality 16S rRNA sequence S000381729 (RDP), AB004715 (Genbank). N4Lid DOI:
10.1601/nm.6091

Microbacterium arborescens ^{VP} (ex Frankland and Frankland 1889) Imai et al. 1985. Source of
type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 4358.
High-quality 16S rRNA sequence S000002734 (RDP), X77443 (Genbank). N4Lid DOI:
10.1601/nm.6038

Microbacterium aurantiacum ^{VP} Takeuchi and Hatano 1998. Source of type material
recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24217. High-quality
16S rRNA sequence S000650698 (RDP), AM182159 (Genbank). N4Lid DOI: 10.1601/nm.6039

Microbacterium aurum ^{VP} Yokota et al. 1993. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: ATCC 51345. High-quality 16S rRNA sequence
S000413592 (RDP), D21340 (Genbank). N4Lid DOI: 10.1601/nm.6040

Microbacterium barkeri ^{VP} (Collins et al. 1983) Takeuchi and Hatano 1998. <== *Aureobacterium*
barkeri (basonym). Synonym links through N4Lid: 10.1601/ex.6092. Source of type material
recommended for DOE sponsored genome sequencing by the JGI: ATCC 15954. High-quality 16S
rRNA sequence S000022611 (RDP), X77446 (Genbank). N4Lid DOI: 10.1601/nm.6041

† *Aureobacterium barkeri* ^{VP} (ex Dias et al. 1962) Collins et al. 1983. ==> *Microbacterium*
barkeri (new combination). Synonym links through N4Lid: 10.1601/ex.6092. Source of type
material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15954. High-
quality 16S rRNA sequence S000022611 (RDP), X77446 (Genbank). N4Lid DOI:
10.1601/nm.6092

Microbacterium chocolateum ^{VP} Takeuchi and Hatano 1998. Source of type material recommended
for DOE sponsored genome sequencing by the JGI: NRRL B-24218. High-quality 16S rRNA
sequence S000650693 (RDP), AM181503 (Genbank). N4Lid DOI: 10.1601/nm.6042

Microbacterium deminutum^{VP} Kageyama et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24453. High-quality 16S rRNA sequence S000622938 (RDP), AB234026 (Genbank). N4Lid DOI: 10.1601/nm.10269

Microbacterium dextranolyticum^{VP} Yokota et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51344. High-quality 16S rRNA sequence S000413593 (RDP), D21341 (Genbank). N4Lid DOI: 10.1601/nm.6043

Microbacterium esteraromaticum^{VP} (Omelianski 1923) Takeuchi and Hatano 1998. <== *Flavobacterium esteraromaticum* (basonym). Synonym links through N4Lid: 10.1601/ex.8082. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 8091. High-quality 16S rRNA sequence S000018525 (RDP), Y17231 (Genbank). N4Lid DOI: 10.1601/nm.6044

† *Aureobacterium esteraromaticum*^{VP} (Omelianski 1923) Yokota et al. 1993. <== *Flavobacterium esteraromaticum* (basonym). *Microbacterium esteraromaticum* (new combination). Synonym links through N4Lid: 10.1601/ex.8082. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 8091. High-quality 16S rRNA sequence S000018525 (RDP), Y17231 (Genbank). N4Lid DOI: 10.1601/nm.6093

† *Flavobacterium esteraromaticum*^{AL} (Omelianski 1923) Bergey et al. 1930. ==> *Aureobacterium esteraromaticum* (new combination). Synonym links through N4Lid: 10.1601/ex.8082. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 8091. High-quality 16S rRNA sequence S000018525 (RDP), Y17231 (Genbank). N4Lid DOI: 10.1601/nm.8082

Microbacterium flavescens^{VP} (Lochhead 1958) Takeuchi and Hatano 1998. <== *Arthrobacter flavescens* (basonym). Synonym links through N4Lid: 10.1601/ex.5851. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13348. High-quality 16S rRNA sequence S000000028 (RDP), Y17232 (Genbank). N4Lid DOI: 10.1601/nm.6045

† *Aureobacterium flavescens*^{VP} (Lochhead 1958) Collins et al. 1983. <== *Arthrobacter flavescens* (basonym). *Microbacterium flavescens* (new combination). Synonym links through N4Lid: 10.1601/ex.5851. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13348. High-quality 16S rRNA sequence S000000028 (RDP), Y17232 (Genbank). N4Lid DOI: 10.1601/nm.6094

† *Arthrobacter flavescens*^{AL} Lochhead 1958. ==> *Aureobacterium flavescens* (new combination). Synonym links through N4Lid: 10.1601/ex.5851. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13348. High-quality 16S rRNA sequence S000000028 (RDP), Y17232 (Genbank). N4Lid DOI: 10.1601/nm.5851

Microbacterium foliorum^{VP} Behrendt et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24224. High-quality 16S rRNA sequence S000014753 (RDP), AJ249780 (Genbank). N4Lid DOI: 10.1601/nm.6046

Microbacterium gubbeenense^{VP} Brennan et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24242. High-quality 16S rRNA sequence S000390332 (RDP), AF263563 (Genbank). N4Lid DOI: 10.1601/nm.6047

Microbacterium halophilum^{VP} Takeuchi and Hatano 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24219. N4Lid DOI: 10.1601/nm.6048

Microbacterium halotolerans^{VP} Li et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CIP 108071. High-quality 16S rRNA sequence S000427347 (RDP), AB004714 (Genbank). N4Lid 10.1601/nm.8703

Microbacterium hominis^{VP} Takeuchi and Hatano 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24220. High-quality 16S rRNA sequence S000650694 (RDP), AM181504 (Genbank). N4Lid DOI: 10.1601/nm.6049

Microbacterium hydrocarbonoxydans^{VP} Schippers et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16089. High-quality 16S rRNA sequence S000539539 (RDP), AJ698726 (Genbank). N4Lid 10.1601/nm.9308

Microbacterium imperiale^{VP} (Steinhaus 1941) Collins et al. 1983. <== *Brevibacterium imperiale* (basonym). Synonym links through N4Lid: 10.1601/ex.5934. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 8365. High-quality 16S rRNA sequence S000003131 (RDP), X77442 (Genbank). N4Lid DOI: 10.1601/nm.6050

† *Brevibacterium imperiale*^{AL} (Steinhaus 1941) Breed 1953. ==> *Microbacterium imperiale* (new combination). Synonym links through N4Lid: 10.1601/ex.5934. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 8365. High-quality 16S rRNA sequence S000003131 (RDP), X77442 (Genbank). N4Lid DOI: 10.1601/nm.5934

Microbacterium keratanolyticum^{VP} (Yokota et al. 1993) Takeuchi and Hatano 1998. <== *Aureobacterium keratanolyticum* (basonym). Synonym links through N4Lid: 10.1601/ex.6095. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35057. High-quality 16S rRNA sequence S000019590 (RDP), Y14786 (Genbank). N4Lid DOI: 10.1601/nm.6051

† *Aureobacterium keratanolyticum*^{VP} Yokota et al. 1993. ==> *Microbacterium keratanolyticum* (new combination). Synonym links through N4Lid: 10.1601/ex.6095. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35057. High-quality 16S rRNA sequence S000019590 (RDP), Y14786 (Genbank). N4Lid DOI: 10.1601/nm.6095

Microbacterium ketosireducens^{VP} Takeuchi and Hatano 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24221. High-quality 16S rRNA sequence S000381737 (RDP), AB004724 (Genbank). N4Lid DOI: 10.1601/nm.6052

Microbacterium kitamiense^{VP} Matsuyama et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24226. High-quality 16S rRNA sequence S000650695 (RDP), AM181505 (Genbank). N4Lid DOI: 10.1601/nm.6053

Microbacterium koreense^{VP} Lee et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 50754. High-quality 16S rRNA sequence S000541107 (RDP), AY962574 (Genbank). N4Lid DOI: 10.1601/nm.9875

Microbacterium laevaniformans^{VP} (ex Dias and Bhat 1962) Collins et al. 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15953. High-quality 16S rRNA sequence S000413596 (RDP), D21344 (Genbank). N4Lid DOI: 10.1601/nm.6054

Microbacterium liquefaciens^{VP} (Collins et al. 1983) Takeuchi and Hatano 1998. <== *Aureobacterium liquefaciens* (basonym). Synonym links through N4Lid: 10.1601/ex.6090. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43647. High-quality 16S rRNA sequence S000019591 (RDP), X77444 (Genbank). N4Lid DOI: 10.1601/nm.6055

† *Aureobacterium liquefaciens*^{VP} (ex Orla-Jensen 1919) Collins et al. 1983. ==> *Microbacterium liquefaciens* (new combination). Synonym links through N4Lid: 10.1601/ex.6090. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43647. High-quality 16S rRNA sequence S000019591 (RDP), X77444 (Genbank). N4Lid DOI: 10.1601/nm.6090

Microbacterium luteolum^{VP} (Yokota et al. 1993) Takeuchi and Hatano 1998. <== *Aureobacterium luteolum* (basonym). Synonym links through N4Lid: 10.1601/ex.6096. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51474. High-quality 16S rRNA sequence S000381732 (RDP), AB004718 (Genbank). N4Lid DOI: 10.1601/nm.6056

† *Aureobacterium luteolum*^{VP} Yokota et al. 1993. ==> *Microbacterium luteolum* (new combination). Synonym links through N4Lid: 10.1601/ex.6096. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51474. High-quality 16S rRNA sequence S000381732 (RDP), AB004718 (Genbank). N4Lid DOI: 10.1601/nm.6096

Microbacterium maritopicum^{VP} (ZoBell and Upham 1944) Takeuchi and Hatano 1998. <== *Flavobacterium marinotopicum* (basonym). Synonym links through N4Lid: 10.1601/ex.8099. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19260. High-quality 16S rRNA sequence S000440800 (RDP), AJ853910 (Genbank). N4Lid DOI: 10.1601/nm.6057

† *Flavobacterium marinotopicum*^{AL} ZoBell and Upham 1944. ==> *Microbacterium maritopicum* (new combination). Synonym links through N4Lid: 10.1601/ex.8099. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19260. High-quality 16S rRNA sequence S000440800 (RDP), AJ853910 (Genbank). N4Lid DOI: 10.1601/nm.8099

- Microbacterium natoriense*^{VP} Liu et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-1032. High-quality 16S rRNA sequence S000503539 (RDP), AY566291 (Genbank). N4Lid 10.1601/nm.9309
- Microbacterium oleivorans*^{VP} Schippers et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16091. High-quality 16S rRNA sequence S000539538 (RDP), AJ698725 (Genbank). N4Lid 10.1601/nm.9307
- Microbacterium oxydans*^{VP} (Chatelain and Second 1966) Schumann et al. 1999. <== *Brevibacterium oxydans* (basonym). Synonym links through N4Lid: 10.1601/ex.5943. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24236. N4Lid DOI: 10.1601/nm.6058
- † *Brevibacterium oxydans*^{AL} Chatelain and Second 1966. ==> *Microbacterium oxydans* (new combination). Synonym links through N4Lid: 10.1601/ex.5943. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24236. N4Lid DOI: 10.1601/nm.5943
- Microbacterium paludicola*^{VP} Park et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16915. High-quality 16S rRNA sequence S000440799 (RDP), AJ853909 (Genbank). N4Lid 10.1601/nm.9921
- Microbacterium paraoxydans*^{VP} Laffineur et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24275. High-quality 16S rRNA sequence S000121408 (RDP), AJ491806 (Genbank). N4Lid DOI: 10.1601/nm.6059
- Microbacterium phyllosphaerae*^{VP} Behrendt et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24227. High-quality 16S rRNA sequence S000012860 (RDP), AJ277840 (Genbank). N4Lid DOI: 10.1601/nm.6060
- Microbacterium pumilum*^{VP} Kageyama et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24452. High-quality 16S rRNA sequence S000622939 (RDP), AB234027 (Genbank). N4Lid DOI: 10.1601/nm.10270
- Microbacterium resistens*^{VP} (Funke et al. 1998) Behrendt et al. 2001. <== *Aureobacterium resistens* (basonym). Synonym links through N4Lid: 10.1601/ex.6097. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24216. High-quality 16S rRNA sequence S000001703 (RDP), Y14699 (Genbank). N4Lid DOI: 10.1601/nm.6061
- † *Aureobacterium resistens*^{VP} Funke et al. 1998. ==> *Microbacterium resistens* (new combination). Synonym links through N4Lid: 10.1601/ex.6097. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24216. High-quality 16S rRNA sequence S000001703 (RDP), Y14699 (Genbank). N4Lid DOI: 10.1601/nm.6097
- Microbacterium saperdae*^{VP} (Lysenko 1959) Takeuchi and Hatano 1998. <== *Brevibacterium saperdae* (basonym). Synonym links through N4Lid: 10.1601/ex.6126. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19272. High-quality 16S rRNA sequence S000381733 (RDP), AB004719 (Genbank). N4Lid DOI: 10.1601/nm.6062
- † *Aureobacterium saperdae*^{VP} (Lysenko 1959) Collins et al. 1983. <== *Brevibacterium saperdae* (basonym). *Microbacterium saperdae* (new combination). Synonym links through N4Lid: 10.1601/ex.6126. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19272. High-quality 16S rRNA sequence S000381733 (RDP), AB004719 (Genbank). N4Lid DOI: 10.1601/nm.6098
- † *Curtobacterium saperdae*^{AL} (Lysenko 1959) Yamada and Komagata 1972. <== *Brevibacterium saperdae* (basonym). *Aureobacterium saperdae* (new combination). Synonym links through N4Lid: 10.1601/ex.6126. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19272. N4Lid DOI: 10.1601/nm.6126
- † *Brevibacterium saperdae*^{AL} Lysenko 1959. ==> *Curtobacterium saperdae* (new combination). Synonym links through N4Lid: 10.1601/ex.6126. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19272. High-quality 16S rRNA sequence S000381733 (RDP), AB004719 (Genbank). N4Lid DOI: 10.1601/nm.5947
- Microbacterium schleiferi*^{VP} (Yokota et al. 1993) Takeuchi and Hatano 1998. <== *Aureobacterium schleiferi* (basonym). Synonym links through N4Lid: 10.1601/ex.6099. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51473. High-quality 16S rRNA sequence S000381736 (RDP), AB004723 (Genbank). N4Lid DOI: 10.1601/nm.6063

- † *Aureobacterium schleiferi*^{VP} Yokota et al. 1993. ==> *Microbacterium schleiferi* (new combination). Synonym links through N4Lid: 10.1601/ex.6099. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51473. High-quality 16S rRNA sequence S000381736 (RDP), AB004723 (Genbank). N4Lid DOI: 10.1601/nm.6099
- Microbacterium terrae*^{VP} (Yokota et al. 1993) Takeuchi and Hatano 1998. <== *Aureobacterium terrae* (basonym). Synonym links through N4Lid: 10.1601/ex.6100. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51476. High-quality 16S rRNA sequence S000010049 (RDP), Y17238 (Genbank). N4Lid DOI: 10.1601/nm.6064
- † *Aureobacterium terrae*^{VP} Yokota et al. 1993. ==> *Microbacterium terrae* (new combination). Synonym links through N4Lid: 10.1601/ex.6100. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51476. High-quality 16S rRNA sequence S000010049 (RDP), Y17238 (Genbank). N4Lid DOI: 10.1601/nm.6100
- Microbacterium terregens*^{VP} (Lochhead and Burton 1953) Takeuchi and Hatano 1998. <== *Arthrobacter terregens* (basonym). Synonym links through N4Lid: 10.1601/ex.5877. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13345. High-quality 16S rRNA sequence S000000252 (RDP), Y17239 (Genbank). N4Lid DOI: 10.1601/nm.6065
- † *Arthrobacter terregens*^{AL} Lochhead and Burton 1953. ==> *Aureobacterium terregens* (new combination). Synonym links through N4Lid: 10.1601/ex.5877. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13345. High-quality 16S rRNA sequence S000000252 (RDP), Y17239 (Genbank). N4Lid DOI: 10.1601/nm.5877
- † *Aureobacterium terregens*^{VP} (Lochhead and Burton 1953) Collins et al. 1983. <== *Arthrobacter terregens* (basonym). *Microbacterium terregens* (new combination). Synonym links through N4Lid: 10.1601/ex.5877. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13345. High-quality 16S rRNA sequence S000000252 (RDP), Y17239 (Genbank). N4Lid DOI: 10.1601/nm.6101
- Microbacterium testaceum*^{VP} (Komagata and Iizuka 1964) Takeuchi and Hatano 1998. <== *Brevibacterium testaceum* (basonym). Synonym links through N4Lid: 10.1601/ex.6127. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15829. High-quality 16S rRNA sequence S000020165 (RDP), X77445 (Genbank). N4Lid DOI: 10.1601/nm.6066
- † *Aureobacterium testaceum*^{VP} (Komagata and Iizuka 1964) Collins et al. 1983. <== *Brevibacterium testaceum* (basonym). *Microbacterium testaceum* (new combination). Synonym links through N4Lid: 10.1601/ex.6127. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15829. High-quality 16S rRNA sequence S000020165 (RDP), X77445 (Genbank). N4Lid DOI: 10.1601/nm.6102
- † *Brevibacterium testaceum*^{AL} Komagata and Iizuka 1964. ==> *Curtobacterium testaceum* (new combination). Synonym links through N4Lid: 10.1601/ex.6127. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15829. High-quality 16S rRNA sequence S000020165 (RDP), X77445 (Genbank). N4Lid DOI: 10.1601/nm.5949
- † *Curtobacterium testaceum*^{AL} (Komagata and Iizuka 1964) Yamada and Komagata 1972. <== *Brevibacterium testaceum* (basonym). *Aureobacterium testaceum* (new combination). Synonym links through N4Lid: 10.1601/ex.6127. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15829. N4Lid DOI: 10.1601/nm.6127
- Microbacterium thalassium*^{VP} Takeuchi and Hatano 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24222. High-quality 16S rRNA sequence S000650697 (RDP), AM181507 (Genbank). N4Lid DOI: 10.1601/nm.6067
- Microbacterium trichothecenolyticum*^{VP} (Yokota et al. 1993) Takeuchi and Hatano 1998. <== *Aureobacterium trichothecenolyticum* (basonym). Synonym links through N4Lid: 10.1601/ex.6103. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51475. High-quality 16S rRNA sequence S000002959 (RDP), AB004722 (Genbank). N4Lid DOI: 10.1601/nm.6068
- † *Aureobacterium trichothecenolyticum*^{VP} Yokota et al. 1993. ==> *Microbacterium trichothecenolyticum* (new combination). Synonym links through N4Lid: 10.1601/ex.6103. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51475.

High-quality 16S rRNA sequence S000002959 (RDP), AB004722 (Genbank). N4Lid DOI: 10.1601/nm.6103

Microbacterium ulmi^{VP} Rivas et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: LMG 20991. High-quality 16S rRNA sequence S000448048 (RDP), AY062021 (Genbank). N4Lid DOI: 10.1601/nm.6069

Microbacterium xylanilyticum^{VP} Kim et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16914. High-quality 16S rRNA sequence S000440798 (RDP), AJ853908 (Genbank). N4Lid 10.1601/nm.9594

Genus † *Aureobacterium*^{VP} Collins et al. 1983. ≈ *Microbacterium* (earlier heterotypic synonym), links through 10.1601/nm.6034. N4Lid DOI: 10.1601/nm.6089

Genus *Agreia*^{VP} Evtushenko et al. 2001. GOLD ID: Gi00832. GCAT ID: 000688_GCAT. Entrez genome id: 13373. Sequenced strain: PHSC20c1 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.6070

Agreia bicolorata^{VP} Evtushenko et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14575. High-quality 16S rRNA sequence S000388362 (RDP), AF159363 (Genbank). N4Lid DOI: 10.1601/nm.6071

Agreia pratensis^{VP} (Behrendt et al. 2002) Schumann et al. 2003. <== *Subtercola pratensis* (basonym). Synonym links through N4Lid: 10.1601/ex.6163. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14246. High-quality 16S rRNA sequence S000351463 (RDP), AJ310412 (Genbank). N4Lid DOI: 10.1601/nm.6072

† *Subtercola pratensis*^{VP} Behrendt et al. 2002. ==> *Agreia pratensis* (new combination). Synonym links through N4Lid: 10.1601/ex.6163. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14246. High-quality 16S rRNA sequence S000351463 (RDP), AJ310412 (Genbank). N4Lid DOI: 10.1601/nm.6163

Genus *Agrococcus*^{VP} Groth et al. 1996. N4Lid DOI: 10.1601/nm.6073

Agrococcus jenensis^{VP} Groth et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700087. High-quality 16S rRNA sequence S000005816 (RDP), X92492 (Genbank). N4Lid DOI: 10.1601/nm.6074

Agrococcus baldri^{VP} Zlamala et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14215. High-quality 16S rRNA sequence S000083866 (RDP), AJ309928 (Genbank). N4Lid DOI: 10.1601/nm.6075

Agrococcus citreus^{VP} Wieser et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700859. High-quality 16S rRNA sequence S000007217 (RDP), AJ012826 (Genbank). N4Lid DOI: 10.1601/nm.6076

Genus *Agromyces*^{AL} Gledhill and Casida 1969. N4Lid DOI: 10.1601/nm.6077

Agromyces ramosus^{AL} Gledhill and Casida 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25173. High-quality 16S rRNA sequence S000003455 (RDP), X77447 (Genbank). N4Lid DOI: 10.1601/nm.6078

Agrococcus lahaulensis^{VP} Mayilraj et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 17612. High-quality 16S rRNA sequence S000599934 (RDP), DQ156908 (Genbank). N4Lid DOI: 10.1601/nm.10214

Agromyces albus^{VP} Dorofeeva et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: VKM Ac-1800. High-quality 16S rRNA sequence S000395539 (RDP), AF503917 (Genbank). N4Lid DOI: 10.1601/nm.6079

Agromyces aurantiacus^{VP} Li et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14598. High-quality 16S rRNA sequence S000392884 (RDP), AF389342 (Genbank). N4Lid DOI: 10.1601/nm.6080

Agromyces brachium^{VP} Takeuchi and Hatano 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-403. High-quality 16S rRNA sequence S000008586 (RDP), AB023359 (Genbank). N4Lid DOI: 10.1601/nm.6081

Agromyces cerinus subsp. cerinus^{VP} Zgurskaya et al. 1992. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51762. High-quality 16S rRNA sequence S000012610 (RDP), X77448 (Genbank). N4Lid DOI: 10.1601/nm.6082

Agromyces cerinus subsp. *nitratus*^{VP} Zgurskaya et al. 1992. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51763. High-quality 16S rRNA sequence S000418159 (RDP), AY277619 (Genbank). N4Lid DOI: 10.1601/nm.6083

Agromyces fucosus subsp. *fucosus*^{VP} Zgurskaya et al. 1992. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51764. High-quality 16S rRNA sequence S000413814 (RDP), D45061 (Genbank). N4Lid DOI: 10.1601/nm.6084

Agromyces hippuratus^{VP} (Zgurskaya et al. 1992) Ortiz-Martinez et al. 2004. <== *Agromyces fucosus* subsp. *hippuratus* (basonym). Synonym links through N4Lid: 10.1601/ex.6085. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51765. N4Lid DOI: 10.1601/nm.8441

† *Agromyces fucosus* subsp. *hippuratus*^{VP} Zgurskaya et al. 1992. ==> *Agromyces hippuratus* (new combination). Synonym links through N4Lid: 10.1601/ex.6085. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51765. N4Lid DOI: 10.1601/nm.6085

Agromyces humatus^{VP} Jurado et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16389. High-quality 16S rRNA sequence S000504606 (RDP), AY618216 (Genbank). N4Lid 10.1601/nm.9330

Agromyces italicus^{VP} Jurado et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16388. High-quality 16S rRNA sequence S000504605 (RDP), AY618215 (Genbank). N4Lid 10.1601/nm.9329

Agromyces lapidis^{VP} Jurado et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16390. High-quality 16S rRNA sequence S000504607 (RDP), AY618217 (Genbank). N4Lid 10.1601/nm.9387

Agromyces luteolus^{VP} Takeuchi and Hatano 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-401. High-quality 16S rRNA sequence S000004818 (RDP), AB023356 (Genbank). N4Lid DOI: 10.1601/nm.6086

Agromyces mediolanus^{VP} (ex Mamoli 1939) Suzuki et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14004. High-quality 16S rRNA sequence S000007747 (RDP), X77449 (Genbank). N4Lid DOI: 10.1601/nm.6087

Agromyces neolithicus^{VP} Jurado et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16197. High-quality 16S rRNA sequence S000474072 (RDP), AY507128 (Genbank). N4Lid DOI: 10.1601/nm.8442

"*Agromyces rhizosphaerae*" Source of type material recommended for DOE sponsored genome sequencing by the JGI: NBRC 16236. N4Lid DOI: 10.1601/nm.6088

Agromyces salentinus^{VP} Jurado et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16198. High-quality 16S rRNA sequence S000474073 (RDP), AY507129 (Genbank). N4Lid DOI: 10.1601/nm.8443

Agromyces subbeticus^{VP} Jurado et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16689. High-quality 16S rRNA sequence S000425638 (RDP), AY737778 (Genbank). N4Lid 10.1601/nm.9580

Agromyces ulmi^{VP} Rivas et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15747. High-quality 16S rRNA sequence S000441240 (RDP), AY427830 (Genbank). N4Lid DOI: 10.1601/nm.8444

Genus *Clavibacter*^{VP} Davis et al. 1984. N4Lid DOI: 10.1601/nm.6104

Clavibacter michiganensis subsp. *michiganensis*^{VP} corrig. (Smith 1910) Davis et al. 1984. <== *Corynebacterium michiganense* subsp. *michiganense* (new combination). Synonym links through N4Lid: 10.1601/ex.6240. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 46364. High-quality 16S rRNA sequence S000437460 (RDP), U30254 (Genbank). GOLD ID: Gi00154. GCAT ID: 000964_GCAT. Sequenced strain: NCPPB 382 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.6105

† *Corynebacterium michiganense* subsp. *michiganense*^{VP} (Smith 1910) Jensen 1934. ==> *Clavibacter michiganensis* subsp. *michiganensis* (new combination). Synonym links through N4Lid: 10.1601/ex.6240. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 46364. High-quality 16S rRNA sequence S000437460 (RDP), U30254 (Genbank). GOLD ID: Gi00154. GCAT ID: 000964_GCAT. Sequenced strain: NCPPB

382 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 0 (NCBI). N4Lid DOI: 10.1601/nm.6240

"*Clavibacter michiganensis* subsp. *Insidiosum*" <== *Corynebacterium insidiosum* (basonym).
Synonym links through N4Lid: 10.1601/ex.6230. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: DSM 20157. N4Lid DOI: 10.1601/nm.6106

† *Corynebacterium michiganense* subsp. *insidiosum*^{VP} (McCulloch 1925) Carlson and Vidaver
1982. <== *Corynebacterium insidiosum* (basonym). *Clavibacter michiganensis* subsp. *insidiosus*
(new combination). Synonym links through N4Lid: 10.1601/ex.6230. Source of type material
recommended for DOE sponsored genome sequencing by the JGI: DSM 20157. N4Lid DOI:
10.1601/nm.6241

† *Corynebacterium insidiosum*^{AL} (McCulloch 1925) Jensen 1934. ==> *Corynebacterium*
michiganense subsp. *insidiosum* (new combination). Synonym links through N4Lid:
10.1601/ex.6230. Source of type material recommended for DOE sponsored genome sequencing
by the JGI: DSM 20157. N4Lid DOI: 10.1601/nm.6230

Clavibacter michiganensis subsp. *nebraskensis*^{VP} corrig. (Vidaver and Mandel 1974) Davis et al.
1984. <== *Corynebacterium nebraskense* (basonym). Synonym links through N4Lid:
10.1601/ex.6249. Source of type material recommended for DOE sponsored genome sequencing
by the JGI: ATCC 27794. N4Lid DOI: 10.1601/nm.6107

† *Corynebacterium michiganense* subsp. *nebraskense*^{VP} (Vidaver and Mandel 1974) Carlson
and Vidaver 1982. <== *Corynebacterium nebraskense* (basonym). *Clavibacter michiganensis*
subsp. *nebraskensis* (new combination). Synonym links through N4Lid: 10.1601/ex.6249. Source
of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27794.
N4Lid DOI: 10.1601/nm.6242

† *Corynebacterium nebraskense*^{AL} Vidaver and Mandel 1974. ==> *Corynebacterium*
michiganense subsp. *nebraskense* (new combination). Synonym links through N4Lid:
10.1601/ex.6249. Source of type material recommended for DOE sponsored genome sequencing
by the JGI: ATCC 27794. N4Lid DOI: 10.1601/nm.6249

Clavibacter michiganensis subsp. *sepedonicus*^{VP} corrig. (Spieckermann and Kotthoff 1914)
Davis et al. 1984. <== *Corynebacterium sepedonicum* (basonym). Synonym links through N4Lid:
10.1601/ex.6264. Source of type material recommended for DOE sponsored genome sequencing
by the JGI: ATCC 33113. GOLD ID: Gi00155. GCAT ID: 000965_GCAT. Entrez genome id: 184.
Sequenced strain: ATCC 33113 is type material. Genome sequencing is incomplete. Number of
genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6108

† *Corynebacterium michiganense* subsp. *sepedonicum*^{VP} (Spieckermann and Kotthoff 1914)
Carlson and Vidaver 1982. <== *Corynebacterium sepedonicum* (basonym). *Clavibacter*
michiganensis subsp. *sepedonicus* (new combination). Synonym links through N4Lid:
10.1601/ex.6264. Source of type material recommended for DOE sponsored genome sequencing
by the JGI: ATCC 33113. GOLD ID: Gi00155. GCAT ID: 000965_GCAT. Entrez genome id: 184.
Sequenced strain: ATCC 33113 is type material. Genome sequencing is incomplete. Number of
genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6243

† *Corynebacterium sepedonicum*^{AL} (Spieckermann and Kotthoff 1914) Skaptason and
Burkholder 1942. ==> *Corynebacterium michiganense* subsp. *sepedonicum* (new combination).
Synonym links through N4Lid: 10.1601/ex.6264. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: ATCC 33113. GOLD ID: Gi00155. GCAT ID:
000965_GCAT. Entrez genome id: 184. Sequenced strain: ATCC 33113 is type material. Genome
sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI).
N4Lid DOI: 10.1601/nm.6264

Clavibacter michiganensis subsp. *tessellarius*^{VP} corrig. (Carlson and Vidaver 1982) Davis et al.
1984. <== *Corynebacterium michiganense* subsp. *tessellarius* (basonym). Synonym links through
N4Lid: 10.1601/ex.6244. Source of type material recommended for DOE sponsored genome
sequencing by the JGI: ATCC 33566. High-quality 16S rRNA sequence S000438891 (RDP),
U96181 (Genbank). N4Lid DOI: 10.1601/nm.6109

† *Corynebacterium michiganense* subsp. *tessellarius*^{VP} Carlson and Vidaver 1982. ==>
Clavibacter michiganensis subsp. *tessellarius* (new combination). Synonym links through N4Lid:
10.1601/ex.6244. Source of type material recommended for DOE sponsored genome sequencing
by the JGI: ATCC 33566. High-quality 16S rRNA sequence S000438891 (RDP), U96181
(Genbank). N4Lid DOI: 10.1601/nm.6244

Genus *Cryobacterium*^{VP} Suzuki et al. 1997. N4Lid DOI: 10.1601/nm.6116

Cryobacterium psychrophilum^{VP} (ex Inoue and Komagata 1976) Suzuki et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43563. High-quality 16S rRNA sequence S000433949 (RDP), AJ544063 (Genbank). N4Lid DOI: 10.1601/nm.6117

Genus *Curtobacterium*^{AL} Yamada and Komagata 1972. N4Lid DOI: 10.1601/nm.6118

Curtobacterium flaccumfaciens^{VP} (Hedges 1922) Collins and Jones 1984. <== *Corynebacterium flaccumfaciens* subsp. *flaccumfaciens* (basonym). Synonym links through N4Lid: 10.1601/ex.6218. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25283. High-quality 16S rRNA sequence S000351476 (RDP), AJ312209 (Genbank). N4Lid DOI: 10.1601/nm.6121

† *Corynebacterium flaccumfaciens* subsp. *flaccumfaciens*^{VP} (Hedges 1922) Dowson 1942. ==> *Curtobacterium flaccumfaciens* (new combination). Synonym links through N4Lid: 10.1601/ex.6218. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25283. High-quality 16S rRNA sequence S000351476 (RDP), AJ312209 (Genbank). N4Lid DOI: 10.1601/nm.6218

Curtobacterium herbarum^{VP} Behrendt et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14013. High-quality 16S rRNA sequence S000351464 (RDP), AJ310413 (Genbank). N4Lid DOI: 10.1601/nm.6122

Curtobacterium plantarum^{VP} Dunleavy 1989. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49174. N4Lid DOI: 10.1601/nm.6124

Genus *Frigoribacterium*^{VP} Kämpfer et al. 2000. N4Lid DOI: 10.1601/nm.6128

Frigoribacterium faeni^{VP} Kämpfer et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-3. High-quality 16S rRNA sequence S000016911 (RDP), Y18807 (Genbank). N4Lid DOI: 10.1601/nm.6129

Genus *Gulosibacter*^{VP} Manaia et al. 2004. N4Lid DOI: 10.1601/nm.8599

Gulosibacter molinativorax^{VP} Manaia et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 13485. High-quality 16S rRNA sequence S000351460 (RDP), AJ306835 (Genbank). N4Lid 10.1601/nm.8600

Genus *Leifsonia*^{VP} Evtushenko et al. 2000. N4Lid DOI: 10.1601/nm.6130

Leifsonia aquatica^{VP} (ex Leifson 1962) Evtushenko et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14665. High-quality 16S rRNA sequence S000010362 (RDP), X77450 (Genbank). N4Lid DOI: 10.1601/nm.6131

Leifsonia aurea^{VP} Reddy et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15303. High-quality 16S rRNA sequence S000137561 (RDP), AJ438586 (Genbank). N4Lid DOI: 10.1601/nm.6132

Leifsonia xyli subsp. *cynodontis*^{VP} (Davis et al. 1984) Evtushenko et al. 2000. <== *Clavibacter xyli* subsp. *cynodontis* (basonym). *Leifsonia cynodontis* (new combination). Synonym links through N4Lid: 10.1601/ex.6115. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33973. N4Lid DOI: 10.1601/nm.6138

† *Leifsonia cynodontis*^{VP} (Davis et al. 1984) Suzuki et al. 2000. <== *Clavibacter xyli* subsp. *cynodontis* (basonym). Synonym links through N4Lid: 10.1601/ex.6115. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33973. N4Lid 10.1601/nm.9206

† *Clavibacter xyli* subsp. *cynodontis*^{VP} Davis et al. 1984. ==> *Leifsonia xyli* subsp. *cynodontis* (new combination). Synonym links through N4Lid: 10.1601/ex.6115. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33973. N4Lid DOI: 10.1601/nm.6115

Leifsonia naganoensis^{VP} Suzuki et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15166. N4Lid DOI: 10.1601/nm.6133

Leifsonia poae^{VP} Evtushenko et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15202. High-quality 16S rRNA sequence S000429233 (RDP), AF116342 (Genbank). N4Lid DOI: 10.1601/nm.6134

Leifsonia rubra^{VP} Reddy et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15304. High-quality 16S rRNA sequence S000137285 (RDP), AJ438585 (Genbank). N4Lid DOI: 10.1601/nm.6135

Leifsonia shinshuensis^{VP} Suzuki et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33974. N4Lid DOI: 10.1601/nm.6136

Leifsonia xyli subsp. xyli^{VP} (Davis et al. 1984) Evtushenko et al. 2000. <== *Clavibacter xyli subsp. xyli* (basonym). Synonym links through N4Lid: 10.1601/ex.6114. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33973. High-quality 16S rRNA sequence S000427553 (RDP), AB016985 (Genbank). GOLD ID: Gc00206. GCAT ID: 000404_GCAT. Entrez genome id: 212. Sequenced strain: CTCB07 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6137

† *Clavibacter xyli subsp. xyli*^{VP} Davis et al. 1984. ==> *Leifsonia xyli subsp. xyli* (new combination). Synonym links through N4Lid: 10.1601/ex.6114. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33974. High-quality 16S rRNA sequence S000427553 (RDP), AB016985 (Genbank). GOLD ID: Gc00206. GCAT ID: 000404_GCAT. Entrez genome id: 212. Sequenced strain: CTCB07 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6114

Genus *Leucobacter*^{VP} Takeuchi et al. 1996. N4Lid DOI: 10.1601/nm.6139

Leucobacter komagatae^{VP} Takeuchi et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 8803. High-quality 16S rRNA sequence S000544763 (RDP), AM042691 (Genbank). N4Lid DOI: 10.1601/nm.6140

Leucobacter albus^{VP} Lin et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IAM 14851. High-quality 16S rRNA sequence S000414937 (RDP), AB012594 (Genbank). N4Lid 10.1601/nm.8672

Leucobacter aridicollis^{VP} Morais et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CIP 108388. High-quality 16S rRNA sequence S000531003 (RDP), AJ781047 (Genbank). N4Lid 10.1601/nm.9288

Leucobacter chromiireducens^{VP} Morais et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-1336. High-quality 16S rRNA sequence S000531002 (RDP), AJ781046 (Genbank). N4Lid 10.1601/nm.9289

Genus *Microcella*^{VP} Tiago et al. 2005. N4Lid 10.1601/nm.9654

Microcella putealis^{VP} Tiago et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CIP 108471. High-quality 16S rRNA sequence S000544173 (RDP), AJ717388 (Genbank). N4Lid 10.1601/nm.9653

Genus *Mycetocola*^{VP} Tsukamoto et al. 2001. N4Lid DOI: 10.1601/nm.6141

Mycetocola saprophilus^{VP} Tsukamoto et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24119. High-quality 16S rRNA sequence S000001041 (RDP), AB012647 (Genbank). N4Lid DOI: 10.1601/nm.6142

Mycetocola lacteus^{VP} Tsukamoto et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24121. High-quality 16S rRNA sequence S000012103 (RDP), AB012648 (Genbank). N4Lid DOI: 10.1601/nm.6143

Mycetocola tolaasinivorans^{VP} Tsukamoto et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24120. High-quality 16S rRNA sequence S000007910 (RDP), AB012646 (Genbank). N4Lid DOI: 10.1601/nm.6144

Genus *Okibacterium*^{VP} Evtushenko et al. 2002. N4Lid DOI: 10.1601/nm.6145

Okibacterium fritillariae^{VP} Evtushenko et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 16404. High-quality 16S rRNA sequence S000003377 (RDP), AB042094 (Genbank). N4Lid DOI: 10.1601/nm.6146

Genus *Plantibacter*^{VP} Behrendt et al. 2002. N4Lid DOI: 10.1601/nm.6147

Plantibacter flavus^{VP} Behrendt et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14012. High-quality 16S rRNA sequence S000351468 (RDP), AJ310417 (Genbank). N4Lid DOI: 10.1601/nm.6148

Genus *Pseudoclavibacter*^{VP} Manaia et al. 2004. N4Lid 10.1601/nm.8791

Zimmermannella helvola^{VP} Lin et al. 2004. == *Pseudoclavibacter helvolus* (earlier homotypic synonym), links through 10.1601/ex.8792. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 20419. High-quality 16S rRNA sequence S000364346 (RDP), X77440 (Genbank). N4Lid 10.1601/nm.8920

† *Pseudoclavibacter helvolus*^{VP} Manaia et al. 2004. == *Zimmermannella helvola* (later homotypic synonym), links through 10.1601/ex.8792. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13715. High-quality 16S rRNA sequence S000351460 (RDP), AJ306835 (Genbank). N4Lid 10.1601/nm.8792

Genus *Rathayibacter*^{VP} Zgurskaya et al. 1993. N4Lid DOI: 10.1601/nm.6149

Rathayibacter rathayi^{VP} (Smith 1913) Zgurskaya et al. 1993. <== *Corynebacterium rathayi* (basonym). Synonym links through N4Lid: 10.1601/ex.6260. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 7485. High-quality 16S rRNA sequence S000001631 (RDP), X77439 (Genbank). N4Lid DOI: 10.1601/nm.6150

† *Clavibacter rathayi*^{VP} (Smith 1913) Davis et al. 1984. <== *Corynebacterium rathayi* (basonym). *Rathayibacter rathayi* (new combination). Synonym links through N4Lid: 10.1601/ex.6260. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 7485. High-quality 16S rRNA sequence S000001631 (RDP), X77439 (Genbank). N4Lid DOI: 10.1601/nm.6111

† *Corynebacterium rathayi*^{AL} (Smith 1913) Dowson 1942. ==> *Clavibacter rathayi* (new combination). Synonym links through N4Lid: 10.1601/ex.6260. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 7485. High-quality 16S rRNA sequence S000001631 (RDP), X77439 (Genbank). N4Lid DOI: 10.1601/nm.6260

Rathayibacter caricis^{VP} Dorofeeva et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: VKM Ac-1799. High-quality 16S rRNA sequence S000498639 (RDP), AF159364 (Genbank). N4Lid DOI: 10.1601/nm.6151

Rathayibacter festucae^{VP} Dorofeeva et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: VKM Ac-1390. High-quality 16S rRNA sequence S000498640 (RDP), AF159365 (Genbank). N4Lid DOI: 10.1601/nm.6152

Rathayibacter iranicus^{VP} (Carlson and Vidaver 1982) Zgurskaya et al. 1993. <== *Corynebacterium iranicum* (basonym). Synonym links through N4Lid: 10.1601/ex.6231. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 7484. N4Lid DOI: 10.1601/nm.6153

† *Clavibacter iranicus*^{VP} corrig. (Carlson and Vidaver 1982) Davis et al. 1984. <== *Corynebacterium iranicum* (basonym). *Rathayibacter iranicus* (new combination). Synonym links through N4Lid: 10.1601/ex.6231. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 7484. N4Lid DOI: 10.1601/nm.6110

† *Corynebacterium iranicum*^{VP} (ex Scharif 1961) Carlson and Vidaver 1982. ==> *Clavibacter iranicus* (new combination). Synonym links through N4Lid: 10.1601/ex.6231. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 7484. N4Lid DOI: 10.1601/nm.6231

Rathayibacter toxicus^{VP} (Riley and Ophel 1992) Sasaki et al. 1998. <== *Clavibacter toxicus* (basonym). Synonym links through N4Lid: 10.1601/ex.6112. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49908. High-quality 16S rRNA sequence S000009229 (RDP), D84127 (Genbank). N4Lid DOI: 10.1601/nm.6154

† *Clavibacter toxicus*^{VP} Riley and Ophel 1992. ==> *Rathayibacter toxicus* (new combination). Synonym links through N4Lid: 10.1601/ex.6112. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49908. High-quality 16S rRNA sequence S000009229 (RDP), D84127 (Genbank). N4Lid DOI: 10.1601/nm.6112

Rathayibacter tritici^{VP} (Carlson and Vidaver 1982) Zgurskaya et al. 1993. <== *Corynebacterium tritici* (basonym). Synonym links through N4Lid: 10.1601/ex.6275. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 11403. High-quality 16S rRNA sequence S000021410 (RDP), X77438 (Genbank). N4Lid DOI: 10.1601/nm.6155

† *Clavibacter tritici*^{VP} (Carlson and Vidaver 1982) Davis et al. 1984. <== *Corynebacterium tritici* (basonym). *Rathayibacter tritici* (new combination). Synonym links through N4Lid: 10.1601/ex.6275. Source of type material recommended for DOE sponsored genome sequencing

by the JGI: ATCC 11403. High-quality 16S rRNA sequence S000021410 (RDP), X77438 (Genbank). N4Lid DOI: 10.1601/nm.6113

† *Corynebacterium tritici*^{VP} (ex Hutchinson 1917) Carlson and Vidaver 1982. ==> *Clavibacter tritici* (new combination). Synonym links through N4Lid: 10.1601/ex.6275. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 11403. High-quality 16S rRNA sequence S000021410 (RDP), X77438 (Genbank). N4Lid DOI: 10.1601/nm.6275

Genus *Rhodoglobus*^{VP} Sheridan et al. 2003. N4Lid DOI: 10.1601/nm.6156

Rhodoglobus vestalii^{VP} Sheridan et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-534. High-quality 16S rRNA sequence S000136517 (RDP), AJ459101 (Genbank). N4Lid DOI: 10.1601/nm.6157

Genus *Salinibacterium*^{VP} Han et al. 2003. N4Lid DOI: 10.1601/nm.6158

Salinibacterium amurskyense^{VP} Han et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12362. N4Lid DOI: 10.1601/nm.6159

Genus *Subtercola*^{VP} Männistö et al. 2000. N4Lid DOI: 10.1601/nm.6160

Subtercola boreus^{VP} Männistö et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-168. High-quality 16S rRNA sequence S000389463 (RDP), AF224722 (Genbank). N4Lid DOI: 10.1601/nm.6161

Subtercola frigoramans^{VP} Männistö et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-169. High-quality 16S rRNA sequence S000389464 (RDP), AF224723 (Genbank). N4Lid DOI: 10.1601/nm.6162

Genus *Zimmermannella*^{VP} Lin et al. 2004. N4Lid 10.1601/nm.8916

Zimmermannella alba^{VP} Lin et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 50212. High-quality 16S rRNA sequence S000414934 (RDP), AB012590 (Genbank). N4Lid 10.1601/nm.8917

Zimmermannella bifida^{VP} Lin et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 50209. High-quality 16S rRNA sequence S000414938 (RDP), AB012595 (Genbank). N4Lid 10.1601/nm.8918

Zimmermannella faecalis^{VP} Lin et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13722. High-quality 16S rRNA sequence S000414935 (RDP), AB012591 (Genbank). N4Lid 10.1601/nm.8919

Family "*Beutenbergiaceae*" N4Lid DOI: 10.1601/nm.6164

Genus *Beutenbergia*^{VP} Groth et al. 1999. N4Lid DOI: 10.1601/nm.6165

Beutenbergia cavernae^{VP} Groth et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-8. High-quality 16S rRNA sequence S000010347 (RDP), Y18378 (Genbank). N4Lid DOI: 10.1601/nm.6166

Genus *Georgenia*^{VP} Altenburger et al. 2002. N4Lid DOI: 10.1601/nm.6167

Georgenia muralis^{VP} Altenburger et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14418. High-quality 16S rRNA sequence S000123625 (RDP), X94155 (Genbank). N4Lid DOI: 10.1601/nm.6168

Genus *Salana*^{VP} Von Wintzingerode et al. 2001. N4Lid DOI: 10.1601/nm.6169

Salana multivorans^{VP} Von Wintzingerode et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24118. High-quality 16S rRNA sequence S000007088 (RDP), AJ400627 (Genbank). N4Lid DOI: 10.1601/nm.6170

Family *Promicromonosporaceae*^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.6171

Genus *Promicromonospora*^{AL} Krasil'nikov et al. 1961. N4Lid DOI: 10.1601/nm.6172

Promicromonospora citrea^{AL} Krasil'nikov et al. 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15908. High-quality 16S rRNA sequence S000005891 (RDP), X83808 (Genbank). N4Lid DOI: 10.1601/nm.6173

Promicromonospora aerolata^{VP} Busse et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 16526. High-quality 16S rRNA sequence S000145153 (RDP), AJ487303 (Genbank). N4Lid DOI: 10.1601/nm.6174

Promicromonospora sukumoe^{VP} Takahashi et al. 1988. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44121. High-quality 16S rRNA sequence S000004463 (RDP), AJ272024 (Genbank). N4Lid DOI: 10.1601/nm.6177

Promicromonospora vindobonensis^{VP} Busse et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 16525. High-quality 16S rRNA sequence S000145152 (RDP), AJ487302 (Genbank). N4Lid DOI: 10.1601/nm.6178

Genus *Cellulosimicrobium*^{VP} Schumann et al. 2001. N4Lid DOI: 10.1601/nm.6179

Cellulosimicrobium cellulans^{VP} (Metcalf and Brown 1957) Schumann et al. 2001. <== *Nocardia cellulans* (basonym). Synonym links through N4Lid: 10.1601/ex.6431. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12830. High-quality 16S rRNA sequence S000009598 (RDP), X79455 (Genbank). N4Lid DOI: 10.1601/nm.6180

† *Cellulomonas cellulans*^{VP} (Metcalf and Brown 1957) Stackebrandt and Keddie 1988. <== *Nocardia cellulans* (basonym). *Cellulosimicrobium cellulans* (new combination). Synonym links through N4Lid: 10.1601/ex.6431. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12830. High-quality 16S rRNA sequence S000009598 (RDP), X79455 (Genbank). N4Lid DOI: 10.1601/nm.5957

† *Cellulomonas cartae*^{VP} Stackebrandt and Kandler 1980. ≈ *Cellulosimicrobium cellulans* (earlier heterotypic synonym), links through 10.1601/nm.6180. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21681. N4Lid DOI: 10.1601/nm.5955

† *Oerskovia xanthineolytica*^{AL} Lechevalier 1972. ≈ *Cellulosimicrobium cellulans* (earlier heterotypic synonym), links through 10.1601/nm.6180. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27402. N4Lid DOI: 10.1601/nm.5973

† *Brevibacterium fermentans*^{AL} Chatelain and Second 1966. ≈ *Cellulosimicrobium cellulans* (earlier heterotypic synonym), links through 10.1601/nm.6180. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CIP 66.11. N4Lid DOI: 10.1601/nm.5931

† *Brevibacterium lyticum*^{VP} Takayama et al. 1960. ≈ *Cellulosimicrobium cellulans* (earlier heterotypic synonym), links through 10.1601/nm.6180. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15921. N4Lid DOI: 10.1601/nm.5940

† *Nocardia cellulans*^{AL} Metcalf and Brown 1957. ==> *Cellulomonas cellulans* (new combination). Synonym links through N4Lid: 10.1601/ex.6431. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12830. High-quality 16S rRNA sequence S000009598 (RDP), X79455 (Genbank). N4Lid DOI: 10.1601/nm.6431

Cellulosimicrobium funkei^{VP} Brown et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-886. High-quality 16S rRNA sequence S000358855 (RDP), AY501364 (Genbank). N4Lid 10.1601/nm.9974

Genus *Isoptericola*^{VP} Stackebrandt et al. 2004. N4Lid 10.1601/nm.8627

Isoptericola variabilis^{VP} (Bakalidou et al. 2002) Stackebrandt et al. 2004. <== *Cellulosimicrobium variabile* (basonym). Synonym links through N4Lid: 10.1601/ex.6181. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-303. High-quality 16S rRNA sequence S000083870 (RDP), AJ298873 (Genbank). N4Lid 10.1601/nm.8628

† *Cellulosimicrobium variabile*^{VP} Bakalidou et al. 2002. ==> *Isoptericola variabilis* (new combination). Synonym links through N4Lid: 10.1601/ex.6181. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-303. High-quality 16S rRNA sequence S000083870 (RDP), AJ298873 (Genbank). N4Lid DOI: 10.1601/nm.6181

Isoptericola hypogaeus^{VP} Groth et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16849. High-quality 16S rRNA sequence S000570986 (RDP), AJ854061 (Genbank). N4Lid 10.1601/nm.9512

Isoptericola halotolerans^{VP} Zhang et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16376. High-quality 16S rRNA sequence S000444739 (RDP), AY789835 (Genbank). N4Lid 10.1601/nm.9576

Genus *Myceligenans*^{VP} Cui et al. 2004. N4Lid 10.1601/nm.8710

Myceligenans xiligouense^{VP} Cui et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15700. High-quality 16S rRNA sequence S000368426 (RDP), AY354285 (Genbank). N4Lid 10.1601/nm.8711

Myceligenans crystallogenes^{VP} Groth et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 17134. High-quality 16S rRNA sequence S000494003 (RDP), AY928181 (Genbank). N4Lid 10.1601/nm.9826

Genus *Xylanibacterium*^{VP} Rivas et al. 2004. N4Lid DOI: 10.1601/nm.6182

Xylanibacterium ulmi^{VP} Rivas et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: LMG 21721. High-quality 16S rRNA sequence S000473557 (RDP), AY273185 (Genbank). N4Lid DOI: 10.1601/nm.6183

Genus *Xylanimicrobium*^{VP} Stackebrandt and Schumann 2004. N4Lid 10.1601/nm.8914

Xylanimicrobium pachnodae^{VP} (Cazemier et al. 2004) Stackebrandt and Schumann 2004. <== *Promicromonospora pachnodae* (basonym). Synonym links through N4Lid: 10.1601/ex.6176. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 12657. High-quality 16S rRNA sequence S000428965 (RDP), AF105422 (Genbank). N4Lid 10.1601/nm.8915

† *Promicromonospora pachnodae*^{VP} Cazemier et al. 2004. ==> *Xylanimicrobium pachnodae* (new combination). Synonym links through N4Lid: 10.1601/ex.6176. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 12657. High-quality 16S rRNA sequence S000428965 (RDP), AF105422 (Genbank). N4Lid DOI: 10.1601/nm.6176

Genus *Xylanimonas*^{VP} Rivas et al. 2003. N4Lid DOI: 10.1601/nm.6184

Xylanimonas cellulositytica^{VP} Rivas et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12276. High-quality 16S rRNA sequence S000393209 (RDP), AF403541 (Genbank). N4Lid DOI: 10.1601/nm.6185

Suborder *Corynebacterineae*^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.6186

Family *Corynebacteriaceae*^{AL} Lehmann and Neumann 1907. N4Lid DOI: 10.1601/nm.6187

Genus *Corynebacterium*^{AL} Lehmann and Neumann 1896. N4Lid DOI: 10.1601/nm.6188

Corynebacterium diphtheriae^{AL} (Kruse 1886) Lehmann and Neumann 1896. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27010. High-quality 16S rRNA sequence S000002705 (RDP), X81911 (Genbank). N4Lid DOI: 10.1601/nm.6189

Corynebacterium accolens^{VP} Neubauer et al. 1991. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49725. High-quality 16S rRNA sequence S000011559 (RDP), X80500 (Genbank). N4Lid DOI: 10.1601/nm.6190

Corynebacterium afermentans subsp. afermentans^{VP} Riegel et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51403. High-quality 16S rRNA sequence S000011560 (RDP), X82054 (Genbank). N4Lid DOI: 10.1601/nm.6191

Corynebacterium afermentans subsp. lipophilum^{VP} Riegel et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51404. N4Lid DOI: 10.1601/nm.6192

Corynebacterium tuscaniense^{VP} corrig. Riegel et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-1141. High-quality 16S rRNA sequence S000574646 (RDP), AY677186 (Genbank). N4Lid DOI: 10.1601/nm.10312

Corynebacterium resistens^{VP} Otsuka et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 50093. High-quality 16S rRNA sequence S000565083 (RDP), AB128981 (Genbank). N4Lid 10.1601/nm.9673

Corynebacterium ammoniagenes^{VP} (Cooke and Keith 1927) Collins 1987. <== *Brevibacterium ammoniagenes* (basonym). Synonym links through N4Lid: 10.1601/ex.5925. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6871. High-quality 16S rRNA sequence S000005082 (RDP), X82056 (Genbank). N4Lid DOI: 10.1601/nm.6193

† *Brevibacterium ammoniagenes*^{AL} (Cooke and Keith 1927) Breed 1953. ==> *Corynebacterium ammoniagenes* (new combination). Synonym links through N4Lid: 10.1601/ex.5925. Source of type material recommended for DOE sponsored genome sequencing

by the JGI: ATCC 6871. High-quality 16S rRNA sequence S000005082 (RDP), X82056 (Genbank). N4Lid DOI: 10.1601/nm.5925

Corynebacterium amycolatum^{VP} Collins et al. 1988. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49368. High-quality 16S rRNA sequence S000012691 (RDP), X82057 (Genbank). N4Lid DOI: 10.1601/nm.6194

Corynebacterium appendicis^{VP} Yassin et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24151. High-quality 16S rRNA sequence S000095332 (RDP), AJ314919 (Genbank). N4Lid DOI: 10.1601/nm.6195

Corynebacterium aquilae^{VP} Fernández-Garayzábal et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 46511. High-quality 16S rRNA sequence S000138147 (RDP), AJ496733 (Genbank). N4Lid DOI: 10.1601/nm.6196

Corynebacterium argedoratense^{VP} Riegel et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51927. High-quality 16S rRNA sequence S000011929 (RDP), X83955 (Genbank). N4Lid DOI: 10.1601/nm.6197

Corynebacterium atypicum^{VP} Hall et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 45804. High-quality 16S rRNA sequence S000141036 (RDP), AJ441057 (Genbank). N4Lid DOI: 10.1601/nm.6198

Corynebacterium aurimucosum^{VP} Yassin et al. 2002. ≈ *Corynebacterium nigricans* (later heterotypic synonym), links through 10.1601/nm.6199. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24143. High-quality 16S rRNA sequence S000366396 (RDP), AJ309207 (Genbank). N4Lid DOI: 10.1601/nm.6199

† *Corynebacterium nigricans*^{VP} Shukla et al. 2004. ≈ *Corynebacterium aurimucosum* (earlier heterotypic synonym), links through 10.1601/nm.6199. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700975. High-quality 16S rRNA sequence S000389363 (RDP), AF220220 (Genbank). N4Lid DOI: 10.1601/nm.6250

Corynebacterium auris^{VP} Funke et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51966. High-quality 16S rRNA sequence S000260846 (RDP), X81873 (Genbank). N4Lid DOI: 10.1601/nm.6200

Corynebacterium auriscanis^{VP} Collins et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44609. High-quality 16S rRNA sequence S000003203 (RDP), AJ243819 (Genbank). N4Lid DOI: 10.1601/nm.6201

Corynebacterium beticola^{AL} Abdou 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NCPPB 2256. N4Lid DOI: 10.1601/nm.6203

Corynebacterium bovis^{AL} Bergey et al. 1923. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 7715. High-quality 16S rRNA sequence S000413789 (RDP), D38575 (Genbank). N4Lid DOI: 10.1601/nm.6204

Corynebacterium callunae^{AL} (Lee and Good 1963) Yamada and Komagata 1972. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15991. High-quality 16S rRNA sequence S000010003 (RDP), X82053 (Genbank). N4Lid DOI: 10.1601/nm.6205

Corynebacterium camporealensis^{VP} Fernández-Garayzábal et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-77. High-quality 16S rRNA sequence S000014709 (RDP), Y09569 (Genbank). N4Lid DOI: 10.1601/nm.6206

Corynebacterium capitovis^{VP} Collins et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44611. High-quality 16S rRNA sequence S000022417 (RDP), AJ297402 (Genbank). N4Lid DOI: 10.1601/nm.6207

Corynebacterium casei^{VP} Brennan et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CIP 107182. High-quality 16S rRNA sequence S000390351 (RDP), AF267152 (Genbank). N4Lid DOI: 10.1601/nm.6208

Corynebacterium caspium^{VP} Collins et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 44566. High-quality 16S rRNA sequence S000352322 (RDP), AJ566641 (Genbank). N4Lid DOI: 10.1601/nm.8551

Corynebacterium ciconiae^{VP} Fernández-Garayzábal et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 47525. High-quality 16S rRNA sequence S000440095 (RDP), AJ555193 (Genbank). N4Lid DOI: 10.1601/nm.8552

Corynebacterium confusum^{VP} Funke et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44384. High-quality 16S rRNA sequence S000013055 (RDP), Y15886 (Genbank). N4Lid DOI: 10.1601/nm.6209

Corynebacterium coyleae^{VP} Funke et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700219. High-quality 16S rRNA sequence S000083753 (RDP), X96497 (Genbank). N4Lid DOI: 10.1601/nm.6210

Corynebacterium cystioidis^{AL} Yanagawa and Honda 1978. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29593. High-quality 16S rRNA sequence S000413772 (RDP), D37914 (Genbank). N4Lid DOI: 10.1601/nm.6211

Corynebacterium durum^{VP} Riegel et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44351. High-quality 16S rRNA sequence S000001309 (RDP), Z97069 (Genbank). N4Lid DOI: 10.1601/nm.6212

Corynebacterium efficiens^{VP} Fudou et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44549. High-quality 16S rRNA sequence S000383775 (RDP), AB055963 (Genbank). GOLD ID: Gc00140. GCAT ID: 000470_GCAT. Entrez genome id: 305. Sequenced strain: DSM 44549 is type material. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6213

Corynebacterium falsenii^{VP} Sjöden et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-596. High-quality 16S rRNA sequence S000020184 (RDP), Y13024 (Genbank). N4Lid DOI: 10.1601/nm.6215

Corynebacterium felinum^{VP} Collins et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-468. High-quality 16S rRNA sequence S000011721 (RDP), AJ401282 (Genbank). N4Lid DOI: 10.1601/nm.6217

Corynebacterium flaccumfaciens subsp. betae^{VP} (Keyworth et al. 1956) Carlson and Vidaver 1982. <== *Corynebacterium betae* (basonym). Synonym links through N4Lid: 10.1601/ex.6202. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NCPPB 374. N4Lid DOI: 10.1601/nm.6219

† *Corynebacterium betae*^{AL} Keyworth et al. 1956. ==> *Corynebacterium flaccumfaciens subsp. betae* (new combination). Synonym links through N4Lid: 10.1601/ex.6202. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NCPPB 374. N4Lid DOI: 10.1601/nm.6202

Corynebacterium flaccumfaciens subsp. oortii^{VP} (Saaltink and Maas Geesteranus 1969) Carlson and Vidaver 1982. <== *Corynebacterium oortii* (basonym). Synonym links through N4Lid: 10.1601/ex.6251. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25283. N4Lid DOI: 10.1601/nm.6220

† *Corynebacterium oortii*^{AL} Saaltink and Maas Geesteranus 1969. ==> *Corynebacterium flaccumfaciens subsp. oortii* (new combination). Synonym links through N4Lid: 10.1601/ex.6251. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25283. N4Lid DOI: 10.1601/nm.6251

Corynebacterium flaccumfaciens subsp. poinsettiae^{VP} (Starr and Pirone 1942) Carlson and Vidaver 1982. <== *Corynebacterium poinsettiae* (basonym). Synonym links through N4Lid: 10.1601/ex.6255. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 9682. N4Lid DOI: 10.1601/nm.6221

† *Corynebacterium poinsettiae*^{AL} (Starr and Pirone 1942) Burkholder 1948. ==> *Corynebacterium flaccumfaciens subsp. poinsettiae* (new combination). Synonym links through N4Lid: 10.1601/ex.6255. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 9682. N4Lid DOI: 10.1601/nm.6255

Corynebacterium flavescens^{AL} Barksdale et al. 1979. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 10340. High-quality 16S rRNA sequence S000015684 (RDP), X82060 (Genbank). N4Lid DOI: 10.1601/nm.6222

Corynebacterium freneyi^{VP} Renaud et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44506. N4Lid DOI: 10.1601/nm.6223

Corynebacterium glaucum^{VP} Yassin et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24142. High-quality 16S rRNA sequence S000366398 (RDP), AJ431634 (Genbank). N4Lid DOI: 10.1601/nm.6224

- Corynebacterium glucuronolyticum*^{VP} Funke et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51860. High-quality 16S rRNA sequence S000002702 (RDP), X84375 (Genbank). N4Lid DOI: 10.1601/nm.6225
- Corynebacterium glutamicum*^{AL} (Kinoshita et al. 1958) Abe et al. 1967. ≈ *Brevibacterium divaricatum* (later heterotypic synonym), links through 10.1601/nm.6226. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13032. High-quality 16S rRNA sequence S000364384 (RDP), X80629 (Genbank). GOLD ID: Gc00047. GCAT ID: 000563_GCAT. Entrez genome id: 307. Sequenced strain: ATCC 13032 is type material. Genome sequencing is completed. Number of genomes of this species sequenced 3 (GOLD) 2 (NCBI). N4Lid DOI: 10.1601/nm.6226
- † *Brevibacterium divaricatum*^{AL} Su and Yamada 1960. ≈ *Corynebacterium glutamicum* (earlier heterotypic synonym), links through 10.1601/nm.6226. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14020. N4Lid DOI: 10.1601/nm.5929
- † *Corynebacterium lilium*^{AL} Lee and Good 1963. ≈ *Corynebacterium glutamicum* (earlier heterotypic synonym), links through 10.1601/nm.6226. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15990. N4Lid DOI: 10.1601/nm.6235
- Corynebacterium halotolerans*^{VP} Chen et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44683. High-quality 16S rRNA sequence S000356923 (RDP), AY226509 (Genbank). N4Lid DOI: 10.1601/nm.8553
- Corynebacterium hoagii*^{AL} (Morse 1912) Ebersson 1918. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 7005. N4Lid DOI: 10.1601/nm.6227
- Corynebacterium imitans*^{VP} Funke et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700354. High-quality 16S rRNA sequence S000007433 (RDP), Y09044 (Genbank). N4Lid DOI: 10.1601/nm.6229
- Corynebacterium jeikeium*^{VP} Jackman et al. 1988. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43734. High-quality 16S rRNA sequence S000005844 (RDP), U87823 (Genbank). GOLD ID: Gc00271. GCAT ID: 000338_GCAT. Entrez genome id: 13967. Sequenced strain: K411 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6232
- Corynebacterium kroppenstedtii*^{VP} Collins et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44385. High-quality 16S rRNA sequence S000012810 (RDP), Y10077 (Genbank). N4Lid DOI: 10.1601/nm.6233
- Corynebacterium kutscheri*^{AL} (Migula 1900) Bergey et al. 1925. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15677. High-quality 16S rRNA sequence S000435817 (RDP), D37802 (Genbank). N4Lid DOI: 10.1601/nm.6234
- Corynebacterium lipophiloflavum*^{VP} Funke et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700352. High-quality 16S rRNA sequence S000011673 (RDP), Y09045 (Genbank). N4Lid DOI: 10.1601/nm.6236
- Corynebacterium macginleyi*^{VP} Riegel et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51787. High-quality 16S rRNA sequence S000009605 (RDP), X80499 (Genbank). N4Lid DOI: 10.1601/nm.6237
- Corynebacterium mastitidis*^{VP} Fernandez-Garayzabal et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44356. High-quality 16S rRNA sequence S000007867 (RDP), Y09806 (Genbank). N4Lid DOI: 10.1601/nm.6238
- † *Bacterionema matruchotii*^{AL} (Mendel 1919) Gilmour et al. 1961. ==> *Corynebacterium matruchotii* (new combination). Synonym links through N4Lid: 10.1601/ex.6239. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14266. High-quality 16S rRNA sequence S000010365 (RDP), X82065 (Genbank). N4Lid 10.1601/nm.9006
- Corynebacterium matruchotii*^{VP} (Mendel 1919) Collins 1983. <== *Bacterionema matruchotii* (basonym). Synonym links through N4Lid: 10.1601/ex.6239. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14266. High-quality 16S rRNA sequence S000010365 (RDP), X82065 (Genbank). N4Lid DOI: 10.1601/nm.6239
- Corynebacterium minutissimum*^{VP} (ex Sarkany et al. 1962) Collins and Jones 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23348.

High-quality 16S rRNA sequence S000005846 (RDP), X82064 (Genbank). N4Lid DOI: 10.1601/nm.6245

Corynebacterium mucifaciens^{VP} Funke et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700355. High-quality 16S rRNA sequence S000084047 (RDP), Y11200 (Genbank). N4Lid DOI: 10.1601/nm.6247

Corynebacterium mycetoides^{VP} (ex Castellani 1942) Collins 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43995. High-quality 16S rRNA sequence S000013062 (RDP), X82066 (Genbank). N4Lid DOI: 10.1601/nm.6248

Corynebacterium phocae^{VP} Pascual et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44612. High-quality 16S rRNA sequence S000021619 (RDP), Y10076 (Genbank). N4Lid DOI: 10.1601/nm.6253

Corynebacterium pilosum^{AL} Yanagawa and Honda 1978. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29592. High-quality 16S rRNA sequence S000013868 (RDP), X81908 (Genbank). N4Lid DOI: 10.1601/nm.6254

Corynebacterium propinquum^{VP} Riegel et al. 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51488. High-quality 16S rRNA sequence S000012701 (RDP), X81917 (Genbank). N4Lid DOI: 10.1601/nm.6256

Corynebacterium pseudodiphtheriticum^{AL} Lehmann and Neumann 1896. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 10700. High-quality 16S rRNA sequence S000010789 (RDP), X81918 (Genbank). N4Lid DOI: 10.1601/nm.6257

Corynebacterium pseudotuberculosis^{AL} (Buchanan 1911) Ebersson 1918. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19410. High-quality 16S rRNA sequence S000413793 (RDP), D38579 (Genbank). GOLD ID: Gi00934. GCAT ID: 000979_GCAT. Sequenced strain: 1002 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.6258

Corynebacterium renale^{AL} (Migula 1900) Ernst 1906. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19412. High-quality 16S rRNA sequence S000436175 (RDP), M29553 (Genbank). N4Lid DOI: 10.1601/nm.6261

Corynebacterium riegelii^{VP} Funke et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700782. High-quality 16S rRNA sequence S000021264 (RDP), Y14651 (Genbank). N4Lid DOI: 10.1601/nm.6262

Corynebacterium seminale^{VP} Riegel et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51866. N4Lid DOI: 10.1601/nm.6263

Corynebacterium simulans^{VP} Wattiau et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-15. High-quality 16S rRNA sequence S000432912 (RDP), AJ012837 (Genbank). N4Lid DOI: 10.1601/nm.6265

Corynebacterium singulare^{VP} Riegel et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44357. High-quality 16S rRNA sequence S000016131 (RDP), Y10999 (Genbank). N4Lid DOI: 10.1601/nm.6266

Corynebacterium sphenisci^{VP} Goyache et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 46398. High-quality 16S rRNA sequence S000139759 (RDP), AJ440964 (Genbank). N4Lid DOI: 10.1601/nm.6267

Corynebacterium spheniscorum^{VP} Goyache et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 45512. High-quality 16S rRNA sequence S000116241 (RDP), AJ429234 (Genbank). N4Lid DOI: 10.1601/nm.6268

Corynebacterium striatum^{AL} (Chester 1901) Ebersson 1918. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6940. High-quality 16S rRNA sequence S000003889 (RDP), X81910 (Genbank). N4Lid DOI: 10.1601/nm.6269

Corynebacterium sundsvallense^{VP} Collins et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44613. High-quality 16S rRNA sequence S000013970 (RDP), Y09655 (Genbank). N4Lid DOI: 10.1601/nm.6270

Corynebacterium suicordis^{VP} Vela et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 46963. High-quality 16S rRNA sequence S000251907 (RDP), AJ504424 (Genbank). N4Lid DOI: 10.1601/nm.6271

Corynebacterium terpenotabidum^{VP} Takeuchi et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CIP 105927. High-quality 16S rRNA sequence S000627158 (RDP), AB004730 (Genbank). N4Lid DOI: 10.1601/nm.6272

Corynebacterium testudinoris^{VP} Collins et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-467. High-quality 16S rRNA sequence S000022538 (RDP), AJ295841 (Genbank). N4Lid DOI: 10.1601/nm.6273

Corynebacterium thomsseni^{VP} Zimmermann et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44276. High-quality 16S rRNA sequence S000387082 (RDP), AF010474 (Genbank). N4Lid DOI: 10.1601/nm.6274

Corynebacterium tuberculostearicum^{VP} Feurer et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35692. High-quality 16S rRNA sequence S000128467 (RDP), AJ438050 (Genbank). N4Lid DOI: 10.1601/nm.8554

Corynebacterium ulcerans^{VP} (ex Gilbert and Stewart 1927) Riegel et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51799. High-quality 16S rRNA sequence S000260721 (RDP), X84256 (Genbank). N4Lid DOI: 10.1601/nm.6276

Corynebacterium urealyticum^{VP} Pitcher et al. 1992. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43042. High-quality 16S rRNA sequence S000003489 (RDP), X81913 (Genbank). GOLD ID: Gi01606. GCAT ID: 000982_GCAT. Sequenced strain: DSM 7109 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 2 (GOLD). N4Lid DOI: 10.1601/nm.6277

Corynebacterium variabile^{VP} corrig. (Müller 1961) Collins 1987. <== *Arthrobacter variabilis* (basonym). Synonym links through N4Lid: 10.1601/ex.5881. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15753. High-quality 16S rRNA sequence S000003096 (RDP), AJ222815 (Genbank). N4Lid DOI: 10.1601/nm.6278

† *Corynebacterium mooreparkense*^{VP} Brennan et al. 2001. ≈ *Corynebacterium variabile* (earlier heterotypic synonym), links through 10.1601/nm.6278. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CIP 107183. N4Lid DOI: 10.1601/nm.6246

† *Caseobacter polymorphus*^{AL} Crombach 1978. == *Corynebacterium variabile* (earlier homotypic synonym), links through 10.1601/ex.5881. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33010. High-quality 16S rRNA sequence S000003096 (RDP), AJ222815 (Genbank). N4Lid 10.1601/nm.9076

† *Arthrobacter variabilis*^{AL} Müller 1961. ==> *Corynebacterium variabile* (new combination). Synonym links through N4Lid: 10.1601/ex.5881. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15753. High-quality 16S rRNA sequence S000003096 (RDP), AJ222815 (Genbank). N4Lid DOI: 10.1601/nm.5881

Corynebacterium vitaeruminis^{VP} corrig. (Bechdel et al. 1928) Lanéelle et al. 1980. <== *Brevibacterium vitarumen* (basonym). Synonym links through N4Lid: 10.1601/ex.5950. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 10234. N4Lid DOI: 10.1601/nm.6279

† *Brevibacterium vitarumen*^{VP} (Bechdel et al. 1928) Breed 1957. ==> *Corynebacterium vitaeruminis* (new combination). Synonym links through N4Lid: 10.1601/ex.5950. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 10234. N4Lid DOI: 10.1601/nm.5950

Corynebacterium xerosis^{AL} (Lehmann and Neumann 1896) Lehmann and Neumann 1899. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 373. High-quality 16S rRNA sequence S000014236 (RDP), X81914 (Genbank). N4Lid DOI: 10.1601/nm.6280

Genus † *Bacterionema*^{AL} Gilmour et al. 1961. Unified with *Corynebacterium*, links through 10.1601/nm.5738. N4Lid 10.1601/nm.9005

Genus † *Caseobacter*^{AL} Crombach 1978. Unified with *Corynebacterium*, links through 10.1601/nm.5738. N4Lid 10.1601/nm.9075

Family *Dietziaceae*^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.6281

Genus *Dietzia*^{VP} Rainey et al. 1995. N4Lid DOI: 10.1601/nm.6282

Dietzia maris^{VP} (Nesterenko et al. 1982) Rainey et al. 1995. <== *Rhodococcus maris* (basonym).
Synonym links through N4Lid: 10.1601/ex.6490. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: ATCC 35013. High-quality 16S rRNA sequence
S00007024 (RDP), X81920 (Genbank). N4Lid DOI: 10.1601/nm.6283

† *Rhodococcus maris*^{VP} (ex Harrison 1929) Nesterenko et al. 1982. ==> *Dietzia maris* (new
combination). Synonym links through N4Lid: 10.1601/ex.6490. Source of type material
recommended for DOE sponsored genome sequencing by the JGI: ATCC 35013. High-quality 16S
rRNA sequence S00007024 (RDP), X81920 (Genbank). N4Lid DOI: 10.1601/nm.6490

Dietzia cinnamea^{VP} Yassin et al. 2006. Source of type material recommended for DOE sponsored
genome sequencing by the JGI: DSM 44904. High-quality 16S rRNA sequence S000539927
(RDP), AJ920289 (Genbank). N4Lid 10.1601/nm.9926

Dietzia kunjamensis^{VP} Mayilraj et al. 2006. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: DSM 44907. High-quality 16S rRNA sequence
S000516375 (RDP), AY972480 (Genbank). N4Lid DOI: 10.1601/nm.10143

Dietzia natronolimnaea^{VP} corrig. Duckworth et al. 1999. Source of type material recommended
for DOE sponsored genome sequencing by the JGI: DSM 44860. High-quality 16S rRNA sequence
S000276288 (RDP), X92157 (Genbank). N4Lid DOI: 10.1601/nm.6284

Dietzia psychralcaliphila^{VP} Yumoto et al. 2002. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: IAM 14896. High-quality 16S rRNA sequence
S000383488 (RDP), AB049630 (Genbank). N4Lid DOI: 10.1601/nm.6285

Family Gordoniaceae^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.6286

Genus Gordonia^{VP} corrig. (ex Tsukamura 1971) Stackebrandt et al. 1989. N4Lid DOI:
10.1601/nm.6287

Gordonia bronchialis^{VP} corrig. (Tsukamura 1971) Stackebrandt et al. 1989. <== *Rhodococcus
bronchialis* (basonym). Synonym links through N4Lid: 10.1601/ex.6475. Source of type material
recommended for DOE sponsored genome sequencing by the JGI: ATCC 25592. High-quality 16S
rRNA sequence S000022800 (RDP), X79287 (Genbank). N4Lid DOI: 10.1601/nm.6288

† *Rhodococcus bronchialis*^{AL} (Tsukamura 1971) Tsukamura 1974. ==> *Gordonia bronchialis*
(new combination). Synonym links through N4Lid: 10.1601/ex.6475. Source of type material
recommended for DOE sponsored genome sequencing by the JGI: ATCC 25592. High-quality 16S
rRNA sequence S000022800 (RDP), X79287 (Genbank). N4Lid DOI: 10.1601/nm.6475

Gordonia aichiensis^{VP} corrig. (Tsukamura 1983) Klatte et al. 1994. <== *Rhodococcus aichiensis*
(basonym). Synonym links through N4Lid: 10.1601/ex.6473. Source of type material
recommended for DOE sponsored genome sequencing by the JGI: ATCC 33611. High-quality 16S
rRNA sequence S000016929 (RDP), X81925 (Genbank). N4Lid DOI: 10.1601/nm.6289

† *Rhodococcus aichiensis*^{VP} corrig. Tsukamura 1983. ==> *Gordonia aichiensis* (new
combination). Synonym links through N4Lid: 10.1601/ex.6473. Source of type material
recommended for DOE sponsored genome sequencing by the JGI: ATCC 33611. High-quality 16S
rRNA sequence S000016929 (RDP), X81925 (Genbank). N4Lid DOI: 10.1601/nm.6473

† *Gordonia nitida*^{VP} Yoon et al. 2000. ≈ *Gordonia alkanivorans* (earlier heterotypic synonym),
links through 10.1601/nm.6290. Source of type material recommended for DOE sponsored
genome sequencing by the JGI: DSM 44499. High-quality 16S rRNA sequence S000388174
(RDP), AF148947 (Genbank). N4Lid DOI: 10.1601/nm.6297

† *Gordonia alkanivorans*^{VP} Kummer et al. 1999. ≈ *Gordonia nitida* (later heterotypic
synonym), links through 10.1601/nm.6290. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: DSM 44369. High-quality 16S rRNA sequence
S000005494 (RDP), Y18054 (Genbank). N4Lid DOI: 10.1601/nm.6290

Gordonia amarae^{VP} (Lechevalier and Lechevalier 1974) Ruimy et al. 1995. <== *Nocardia
amarae* (basonym). *Gordonia amarae* (new combination). Synonym links through N4Lid:
10.1601/ex.6422. Source of type material recommended for DOE sponsored genome sequencing
by the JGI: ATCC 27808. High-quality 16S rRNA sequence S000364357 (RDP), X80601
(Genbank). N4Lid DOI: 10.1601/nm.6291

† *Nocardia amarae*^{AL} Lechevalier and Lechevalier 1974. ==> *Gordonia amarae* (new
combination). Synonym links through N4Lid: 10.1601/ex.6422. Source of type material
recommended for DOE sponsored genome sequencing by the JGI: ATCC 27808. High-quality 16S
rRNA sequence S000364357 (RDP), X80601 (Genbank). N4Lid DOI: 10.1601/nm.6422

- Gordonia amicalis*^{VP} Kim et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44461. High-quality 16S rRNA sequence S000428902 (RDP), AF101418 (Genbank). N4Lid DOI: 10.1601/nm.6292
- Gordonia araii*^{VP} Kageyama et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44811. High-quality 16S rRNA sequence S000565405 (RDP), AB162800 (Genbank). N4Lid DOI: 10.1601/nm.10216
- Gordonia desulfuricans*^{VP} Kim et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44462. High-quality 16S rRNA sequence S000428900 (RDP), AF101416 (Genbank). N4Lid DOI: 10.1601/nm.6293
- Gordonia effusa*^{VP} Kageyama et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44810. High-quality 16S rRNA sequence S000565404 (RDP), AB162799 (Genbank). N4Lid DOI: 10.1601/nm.10217
- Gordonia hirsuta*^{VP} corrig. Klatt et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700255. High-quality 16S rRNA sequence S000019623 (RDP), X93485 (Genbank). N4Lid DOI: 10.1601/nm.6294
- Gordonia hydrophobica*^{VP} corrig. Bendinger et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700089. High-quality 16S rRNA sequence S000020199 (RDP), X87340 (Genbank). N4Lid DOI: 10.1601/nm.6295
- Gordonia namibiensis*^{VP} Brandão et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44568. High-quality 16S rRNA sequence S000392702 (RDP), AF380930 (Genbank). N4Lid DOI: 10.1601/nm.6296
- Gordonia otitidis*^{VP} Iida et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44809. High-quality 16S rRNA sequence S000622401 (RDP), AB122026 (Genbank). N4Lid 10.1601/nm.9577
- Gordonia paraffinivorans*^{VP} Xue et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44604. High-quality 16S rRNA sequence S000394107 (RDP), AF432348 (Genbank). N4Lid DOI: 10.1601/nm.6298
- Gordonia polyisoprenivorans*^{VP} Linos et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-14. High-quality 16S rRNA sequence S000016937 (RDP), Y18310 (Genbank). N4Lid DOI: 10.1601/nm.6299
- Gordonia rhizosphaera*^{VP} Takeuchi and Hatano 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44383. High-quality 16S rRNA sequence S000427351 (RDP), AB004729 (Genbank). N4Lid DOI: 10.1601/nm.6300
- Gordonia rubripertincta*^{VP} corrig. (Hefferan 1904) Stackebrandt et al. 1989. <== *Rhodococcus rubropertinctus* (basonym). Synonym links through N4Lid: 10.1601/ex.6498. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14352. High-quality 16S rRNA sequence S000016939 (RDP), X81915 (Genbank). N4Lid DOI: 10.1601/nm.6301
- † *Rhodococcus corallinus*^{AL} (Bergey et al. 1923) Goodfellow and Alderson 1977. ≈ *Gordonia rubripertincta* (earlier heterotypic synonym), links through 10.1601/nm.6301. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25593. N4Lid DOI: 10.1601/nm.6479
- † *Rhodococcus rubropertinctus*^{AL} (Hefferan 1904) Tsukamura 1974. ==> *Gordonia rubripertincta* (new combination). Synonym links through N4Lid: 10.1601/ex.6498. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14352. High-quality 16S rRNA sequence S000016939 (RDP), X81915 (Genbank). N4Lid DOI: 10.1601/nm.6498
- Gordonia sihwensis*^{VP} Kim et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24155. High-quality 16S rRNA sequence S000147464 (RDP), AJ416151 (Genbank). N4Lid DOI: 10.1601/nm.6302
- Gordonia sinesedis*^{VP} Maldonado et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44455. High-quality 16S rRNA sequence S000392700 (RDP), AF380834 (Genbank). N4Lid DOI: 10.1601/nm.6303
- Gordonia sputi*^{VP} corrig. (Tsukamura 1978) Stackebrandt et al. 1989. <== *Rhodococcus sputi* (basonym). Synonym links through N4Lid: 10.1601/ex.6499. Source of type material

recommended for DOE sponsored genome sequencing by the JGI: ATCC 29627. High-quality 16S rRNA sequence S000020739 (RDP), X81923 (Genbank). N4Lid DOI: 10.1601/nm.6304

† *Rhodococcus sputi*^{VP} Tsukamura 1978. ==> *Gordonia sputi* (new combination). Synonym links through N4Lid: 10.1601/ex.6499. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29627. High-quality 16S rRNA sequence S000020739 (RDP), X81923 (Genbank). N4Lid DOI: 10.1601/nm.6499

† *Rhodococcus chubuensis*^{VP} Tsukamura 1983. ≈ *Gordonia sputi* (earlier heterotypic synonym), links through 10.1601/nm.6304. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33609. N4Lid DOI: 10.1601/nm.6477

† *Rhodococcus obuensis*^{VP} Tsukamura 1983. ≈ *Gordonia sputi* (earlier heterotypic synonym), links through 10.1601/nm.6304. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33610. N4Lid DOI: 10.1601/nm.6491

Gordonia terrae^{VP} corrig. (Tsukamura 1971) Stackebrandt et al. 1989. <== *Rhodococcus terrae* (basonym). Synonym links through N4Lid: 10.1601/ex.6500. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25594. High-quality 16S rRNA sequence S000022716 (RDP), X81922 (Genbank). N4Lid DOI: 10.1601/nm.6305

† *Rhodococcus terrae*^{AL} (Tsukamura 1971) Tsukamura 1974. ==> *Gordonia terrae* (new combination). Synonym links through N4Lid: 10.1601/ex.6500. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25594. High-quality 16S rRNA sequence S000022716 (RDP), X81922 (Genbank). N4Lid DOI: 10.1601/nm.6500

Gordonia westfalica^{VP} Linos et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24152. High-quality 16S rRNA sequence S000089480 (RDP), AJ312907 (Genbank). N4Lid DOI: 10.1601/nm.6306

Genus *Skermania*^{VP} Chun et al. 1997. N4Lid DOI: 10.1601/nm.6307

Skermania piniformis^{VP} (Blackall et al. 1989) Chun et al. 1997. <== *Nocardia pinensis* (basonym). Synonym links through N4Lid: 10.1601/ex.6453. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49497. High-quality 16S rRNA sequence S000002408 (RDP), Z35435 (Genbank). N4Lid DOI: 10.1601/nm.6308

† *Nocardia pinensis*^{VP} Blackall et al. 1989. ==> *Skermania piniformis* (new combination). Synonym links through N4Lid: 10.1601/ex.6453. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49497. High-quality 16S rRNA sequence S000002408 (RDP), Z35435 (Genbank). N4Lid DOI: 10.1601/nm.6453

Genus *Millisia*^{VP} Soddell et al. 2006. N4Lid 10.1601/nm.9973

Millisia brevis^{VP} Soddell et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24424. High-quality 16S rRNA sequence S000274027 (RDP), AY534742 (Genbank). N4Lid 10.1601/nm.9972

Family *Mycobacteriaceae*^{AL} Chester 1897. N4Lid DOI: 10.1601/nm.6309

Genus *Mycobacterium*^{AL} Lehmann and Neumann 1896. GOLD ID: Gc00392. GCAT ID: 000218_GCAT. Entrez genome id: 15762. Sequenced strain: MCS is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 3 (GOLD) 3 (NCBI). N4Lid DOI: 10.1601/nm.6310

Mycobacterium tuberculosis subsp. tuberculosis^{VP} (Zopf 1883) Lehmann and Neumann 1896. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27294. High-quality 16S rRNA sequence S000014993 (RDP), AJ131120 (Genbank). GOLD ID: Gc00015. GCAT ID: 000595_GCAT. Entrez genome id: 5. Sequenced strain: H37Rv (lab strain) is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 11 (GOLD) 7 (NCBI). N4Lid DOI: 10.1601/nm.6311

Mycobacterium abscessus^{VP} (Moore and Frerichs 1953) Kusunoki and Ezaki 1992. <== *Mycobacterium chelonae subsp. abscessus* (basonym). Synonym links through N4Lid: 10.1601/ex.6333. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19977. High-quality 16S rRNA sequence S000263393 (RDP), AJ536038 (Genbank). GOLD ID: Gi00949. GCAT ID: 001218_GCAT. Entrez genome id: 15691. Sequenced strain: ATCC 19977 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6313

† *Mycobacterium chelonae subsp. abscessus*^{AL} corrig. (Moore and Frerichs 1953) Kubica et al. 1972. ==> *Mycobacterium abscessus* (new combination). Synonym links through N4Lid: 10.1601/ex.6333. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19977. High-quality 16S rRNA sequence S000263393 (RDP), AJ536038 (Genbank). GOLD ID: Gi00949. GCAT ID: 001218_GCAT. Entrez genome id: 15691. Sequenced strain: ATCC 19977 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6333

Mycobacterium africanum^{AL} Castets et al. 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25420. High-quality 16S rRNA sequence S000429506 (RDP), AF480605 (Genbank). GOLD ID: Gi01689. GCAT ID: 001224_GCAT. Sequenced strain: GM041182 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.6314

Mycobacterium agri^{VP} (ex Tsukamura 1972) Tsukamura 1981. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27406. High-quality 16S rRNA sequence S000002541 (RDP), AJ429045 (Genbank). N4Lid DOI: 10.1601/nm.6315

Mycobacterium aichiense^{VP} (ex Tsukamura 1973) Tsukamura 1981. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27280. High-quality 16S rRNA sequence S000129242 (RDP), X55598 (Genbank). N4Lid DOI: 10.1601/nm.6316

Mycobacterium alvei^{VP} Ausina et al. 1992. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51304. High-quality 16S rRNA sequence S000427735 (RDP), AF023664 (Genbank). N4Lid DOI: 10.1601/nm.6317

Mycobacterium arupense^{VP} Cloud et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-1242. High-quality 16S rRNA sequence S000612699 (RDP), DQ157760 (Genbank). N4Lid DOI: 10.1601/nm.10098

Mycobacterium asiaticum^{AL} Weiszfeiler et al. 1971. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25276. High-quality 16S rRNA sequence S000126794 (RDP), X55604 (Genbank). N4Lid DOI: 10.1601/nm.6318

Mycobacterium aubagnense^{VP} Adékambi et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 50186. High-quality 16S rRNA sequence S000631792 (RDP), AY859683 (Genbank). N4Lid 10.1601/nm.9820

Mycobacterium aurum^{AL} Tsukamura 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23366. High-quality 16S rRNA sequence S000128054 (RDP), X55595 (Genbank). N4Lid DOI: 10.1601/nm.6319

Mycobacterium austroafricanum^{VP} Tsukamura et al. 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33464. High-quality 16S rRNA sequence S000381372 (RDP), X93182 (Genbank). N4Lid DOI: 10.1601/nm.6320

Mycobacterium avium subsp. avium^{VP} Chester 1901. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19698. High-quality 16S rRNA sequence S000264637 (RDP), AJ536037 (Genbank). GOLD ID: Gc00462. GCAT ID: 000147_GCAT. Entrez genome id: 88. Sequenced strain: 104 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6321

Mycobacterium avium subsp. paratuberculosis^{VP} (Bergey et al. 1923) Thorel et al. 1990. <== *Mycobacterium paratuberculosis* (basonym). Synonym links through N4Lid: 10.1601/ex.6389. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19698. High-quality 16S rRNA sequence S000006259 (RDP), X52934 (Genbank). GOLD ID: Gc00169. GCAT ID: 000441_GCAT. Entrez genome id: 91. Sequenced strain: K-10 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6322

† *Mycobacterium paratuberculosis*^{AL} Bergey et al. 1923. ==> *Mycobacterium avium subsp. paratuberculosis* (new combination). Synonym links through N4Lid: 10.1601/ex.6389. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19698. High-quality 16S rRNA sequence S000006259 (RDP), X52934 (Genbank). GOLD ID: Gc00169. GCAT ID: 000441_GCAT. Entrez genome id: 91. Sequenced strain: K-10 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6389

- Mycobacterium avium subsp. silvaticum*^{VP} Thorel et al. 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49884. N4Lid DOI: 10.1601/nm.6323
- Mycobacterium boenickei*^{VP} Schinsky et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49935. High-quality 16S rRNA sequence S000460393 (RDP), AY012573 (Genbank). N4Lid 10.1601/nm.8712
- Mycobacterium bohemicum*^{VP} Reischl et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44277. High-quality 16S rRNA sequence S000438539 (RDP), U84502 (Genbank). N4Lid DOI: 10.1601/nm.6324
- Mycobacterium bolletii*^{VP} Adékambi et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 50184. N4Lid 10.1601/nm.9818
- Mycobacterium botniense*^{VP} Torkko et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700701. High-quality 16S rRNA sequence S000016429 (RDP), AJ012756 (Genbank). N4Lid DOI: 10.1601/nm.6325
- Mycobacterium bovis subsp. bovis*^{VP} Karlson and Lessel 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19210. GOLD ID: Gc00138. GCAT ID: 000472_GCAT. Entrez genome id: 89. Sequenced strain: AF2122/97(spoligotype 9) is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 3 (GOLD) 3 (NCBI). N4Lid DOI: 10.1601/nm.6326
- Mycobacterium branderi*^{VP} Koukila-Kähkölä et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51789. N4Lid DOI: 10.1601/nm.6328
- Mycobacterium brisbanense*^{VP} Schinsky et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49938. High-quality 16S rRNA sequence S000460397 (RDP), AY012577 (Genbank). N4Lid 10.1601/nm.8713
- Mycobacterium brumae*^{VP} Luquin et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51384. High-quality 16S rRNA sequence S000429477 (RDP), AF480576 (Genbank). N4Lid DOI: 10.1601/nm.6329
- Mycobacterium canariensis*^{VP} Jiménez et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 47953. High-quality 16S rRNA sequence S000460646 (RDP), AY255478 (Genbank). N4Lid 10.1601/nm.8714
- Mycobacterium caprae*^{VP} (Aranaz et al. 1999) Aranaz et al. 2003. <== *Mycobacterium tuberculosis subsp. caprae* (basonym). Synonym links through N4Lid: 10.1601/ex.6312. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-824. N4Lid DOI: 10.1601/nm.6330
- † *Mycobacterium bovis subsp. caprae*^{VP} (Aranaz et al. 1999) Niemann et al. 2002. <== *Mycobacterium tuberculosis subsp. caprae* (basonym). *Mycobacterium caprae* (new combination). Synonym links through N4Lid: 10.1601/ex.6312. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-824. N4Lid DOI: 10.1601/nm.6327
- † *Mycobacterium tuberculosis subsp. caprae*^{VP} Aranaz et al. 1999. ==> *Mycobacterium bovis subsp. caprae* (new combination). Synonym links through N4Lid: 10.1601/ex.6312. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-824. N4Lid DOI: 10.1601/nm.6312
- Mycobacterium celatum*^{VP} Butler et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51131. High-quality 16S rRNA sequence S000414330 (RDP), L08169 (Genbank). N4Lid DOI: 10.1601/nm.6331
- Mycobacterium chelonae subsp. chelonae*^{AL} corrig. (Bergey et al. 1923) Kubica et al. 1972. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35752. GOLD ID: Gi00950. GCAT ID: 001220_GCAT. Entrez genome id: 15692. Sequenced strain: ATCC 35752 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6332
- Mycobacterium chimaera*^{VP} Tortoli et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44623. High-quality 16S rRNA sequence S000543943 (RDP), AJ548480 (Genbank). N4Lid 10.1601/nm.8715
- Mycobacterium chitae*^{AL} Tsukamura 1967. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19627. High-quality 16S rRNA sequence S000127411 (RDP), X55603 (Genbank). N4Lid DOI: 10.1601/nm.6334

Mycobacterium chlorophenicum^{VP} (Apajalahti et al. 1986) Briglia et al. 1994. <==
Rhodococcus chlorophenicus (basonym). *Mycobacterium chlorophenicum* (new combination).
Synonym links through N4Lid: 10.1601/ex.6476. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: ATCC 49826. High-quality 16S rRNA sequence
S000010827 (RDP), X79292 (Genbank). N4Lid DOI: 10.1601/nm.6335

† *Rhodococcus chlorophenicus*^{VP} Apajalahti et al. 1986. ==> *Mycobacterium
chlorophenicum* (new combination). Synonym links through N4Lid: 10.1601/ex.6476. Source of
type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49826.
High-quality 16S rRNA sequence S000010827 (RDP), X79292 (Genbank). N4Lid DOI:
10.1601/nm.6476

Mycobacterium chubuense^{VP} (ex Tsukamura 1973) Tsukamura 1981. Source of type material
recommended for DOE sponsored genome sequencing by the JGI: ATCC 27278. High-quality 16S
rRNA sequence S000128055 (RDP), X55596 (Genbank). N4Lid DOI: 10.1601/nm.6336

Mycobacterium colombiense^{VP} Murcia et al. 2006. Source of type material recommended for
DOE sponsored genome sequencing by the JGI: CIP 108962. High-quality 16S rRNA sequence
S000629152 (RDP), AM062764 (Genbank). N4Lid DOI: 10.1601/nm.10268

Mycobacterium conceptionense^{VP} Adékambi et al. 2006. Source of type material recommended
for DOE sponsored genome sequencing by the JGI: CCUG 50187. High-quality 16S rRNA
sequence S000631793 (RDP), AY859684 (Genbank). N4Lid DOI: 10.1601/nm.10321

Mycobacterium confluentis^{VP} Kirschner et al. 1992. Source of type material recommended for
DOE sponsored genome sequencing by the JGI: ATCC 49920. High-quality 16S rRNA sequence
S000013726 (RDP), X63608 (Genbank). N4Lid DOI: 10.1601/nm.6337

Mycobacterium conspicuum^{VP} Springer et al. 1996. Source of type material recommended for
DOE sponsored genome sequencing by the JGI: ATCC 700090. High-quality 16S rRNA sequence
S000000626 (RDP), X88922 (Genbank). N4Lid DOI: 10.1601/nm.6338

Mycobacterium cookii^{VP} Kazda et al. 1990. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: ATCC 49103. High-quality 16S rRNA sequence
S000133995 (RDP), X53896 (Genbank). N4Lid DOI: 10.1601/nm.6339

Mycobacterium cosmeticum^{VP} Cooksey et al. 2004. Source of type material recommended for
DOE sponsored genome sequencing by the JGI: ATCC BAA-878. High-quality 16S rRNA
sequence S000485192 (RDP), AY449728 (Genbank). N4Lid DOI: 10.1601/nm.8716

Mycobacterium diernhoferi^{VP} (ex Bönicke and Juhasz 1965) Tsukamura et al. 1983. Source of
type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19340.
High-quality 16S rRNA sequence S000131074 (RDP), X55593 (Genbank). N4Lid DOI:
10.1601/nm.6340

Mycobacterium doricum^{VP} Tortoli et al. 2001. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: ATCC BAA-565. High-quality 16S rRNA sequence
S000390342 (RDP), AF264700 (Genbank). N4Lid DOI: 10.1601/nm.6341

Mycobacterium duvalii^{AL} Stanford and Gunthorpe 1971. Source of type material recommended
for DOE sponsored genome sequencing by the JGI: ATCC 43910. High-quality 16S rRNA
sequence S000001327 (RDP), U94745 (Genbank). N4Lid DOI: 10.1601/nm.6342

Mycobacterium elephantis^{VP} Shojaei et al. 2000. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: DSM 44368. High-quality 16S rRNA sequence
S000002743 (RDP), AJ010747 (Genbank). N4Lid DOI: 10.1601/nm.6343

Mycobacterium fallax^{VP} Lévy-Frébault et al. 1983. Source of type material recommended for
DOE sponsored genome sequencing by the JGI: ATCC 35219. High-quality 16S rRNA sequence
S000436183 (RDP), M29562 (Genbank). N4Lid DOI: 10.1601/nm.6344

Mycobacterium farcinogenes^{AL} Chamoiseau 1973. Source of type material recommended for
DOE sponsored genome sequencing by the JGI: ATCC 35753. High-quality 16S rRNA sequence
S000428151 (RDP), AF055333 (Genbank). N4Lid DOI: 10.1601/nm.6345

Mycobacterium flavescens^{AL} Bojalil et al. 1962. Source of type material recommended for DOE
sponsored genome sequencing by the JGI: ATCC 14474. High-quality 16S rRNA sequence
S000436182 (RDP), M29561 (Genbank). GOLD ID: Gi01020. GCAT ID: 001221_GCAT. Entrez
genome id: 15760. Sequenced strain: PYR-GCK is from a non-type strain. Genome sequencing is
incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI:
10.1601/nm.6346

Mycobacterium florentinum^{VP} Tortoli et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44852. High-quality 16S rRNA sequence S000543967 (RDP), AJ616230 (Genbank). N4Lid 10.1601/nm.9410

Mycobacterium fluoranthenivorans^{VP} Hormisch et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44556. High-quality 16S rRNA sequence S000530927 (RDP), AJ617741 (Genbank). N4Lid DOI: 10.1601/nm.10197

Mycobacterium fortuitum subsp. acetamidolyticum^{VP} Tsukamura et al. 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35931. N4Lid DOI: 10.1601/nm.6348

Mycobacterium fortuitum subsp. fortuitum^{VP} da Costa Cruz 1938. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35931. High-quality 16S rRNA sequence S000001608 (RDP), X52933 (Genbank). N4Lid DOI: 10.1601/nm.6347

Mycobacterium frederiksbergense^{VP} Willumsen et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24126. High-quality 16S rRNA sequence S000002446 (RDP), AJ276274 (Genbank). N4Lid DOI: 10.1601/nm.6349

Mycobacterium gadium^{AL} Casal and Calero 1974. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27726. High-quality 16S rRNA sequence S000128633 (RDP), X55594 (Genbank). N4Lid DOI: 10.1601/nm.6350

Mycobacterium gastri^{AL} Wayne 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15754. High-quality 16S rRNA sequence S000022165 (RDP), X52919 (Genbank). N4Lid DOI: 10.1601/nm.6351

Mycobacterium genavense^{VP} Böttger et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51234. High-quality 16S rRNA sequence S000013455 (RDP), X60070 (Genbank). N4Lid DOI: 10.1601/nm.6352

Mycobacterium gilvum^{AL} Stanford and Gunthorpe 1971. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43909. High-quality 16S rRNA sequence S000128634 (RDP), X55599 (Genbank). N4Lid DOI: 10.1601/nm.6353

Mycobacterium goodii^{VP} Brown et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700504. High-quality 16S rRNA sequence S000088561 (RDP), Y12872 (Genbank). N4Lid DOI: 10.1601/nm.6354

Mycobacterium gordonae^{AL} Bojalil et al. 1962. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14470. High-quality 16S rRNA sequence S000436184 (RDP), M29563 (Genbank). N4Lid DOI: 10.1601/nm.6355

Mycobacterium haemophilum^{AL} Sompolinsky et al. 1978. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29548. N4Lid DOI: 10.1601/nm.6356

Mycobacterium hassiacum^{VP} Schröder et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44199. High-quality 16S rRNA sequence S000437741 (RDP), U49401 (Genbank). N4Lid DOI: 10.1601/nm.6357

Mycobacterium heckeshornense^{VP} Roth et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44428. High-quality 16S rRNA sequence S000388579 (RDP), AF174290 (Genbank). N4Lid DOI: 10.1601/nm.6358

Mycobacterium heidelbergense^{VP} Haas et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51253. High-quality 16S rRNA sequence S000004347 (RDP), AJ000684 (Genbank). N4Lid DOI: 10.1601/nm.6359

Mycobacterium hiberniae^{VP} Kazda et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49874. High-quality 16S rRNA sequence S000130952 (RDP), X67096 (Genbank). N4Lid DOI: 10.1601/nm.6360

Mycobacterium hodleri^{VP} Kleespies et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44183. High-quality 16S rRNA sequence S000381374 (RDP), X93184 (Genbank). N4Lid DOI: 10.1601/nm.6361

Mycobacterium holsaticum^{VP} Richter et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-771. High-quality 16S rRNA sequence S000104183 (RDP), AJ310467 (Genbank). N4Lid DOI: 10.1601/nm.6362

- Mycobacterium houstonense*^{VP} Schinsky et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49403. High-quality 16S rRNA sequence S000473170 (RDP), AY012579 (Genbank). N4Lid 10.1601/nm.8717
- Mycobacterium immunogenum*^{VP} Wilson et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700505. N4Lid DOI: 10.1601/nm.6363
- Mycobacterium interjectum*^{VP} Springer et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51457. N4Lid DOI: 10.1601/nm.6364
- Mycobacterium intermedium*^{VP} Meier et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51848. N4Lid DOI: 10.1601/nm.6365
- Mycobacterium intracellulare*^{AL} (Cuttino and McCabe 1949) Runyon 1965. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13950. High-quality 16S rRNA sequence S000007790 (RDP), X52927 (Genbank). N4Lid DOI: 10.1601/nm.6366
- Mycobacterium kansasii*^{AL} Hauduroy 1955. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12478. High-quality 16S rRNA sequence S000436196 (RDP), M29575 (Genbank). N4Lid DOI: 10.1601/nm.6367
- Mycobacterium komossense*^{AL} Kazda and Muller 1979. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33013. High-quality 16S rRNA sequence S000126793 (RDP), X55591 (Genbank). N4Lid DOI: 10.1601/nm.6368
- Mycobacterium kubicae*^{VP} Floyd et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700732. High-quality 16S rRNA sequence S000387866 (RDP), AF133902 (Genbank). N4Lid DOI: 10.1601/nm.6369
- Mycobacterium lacus*^{VP} Turenne et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-323. High-quality 16S rRNA sequence S000499515 (RDP), AF406783 (Genbank). N4Lid DOI: 10.1601/nm.6370
- Mycobacterium lentiflavum*^{VP} Springer et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51985. N4Lid DOI: 10.1601/nm.6371
- Mycobacterium leprae*^{AL} (Hansen 1880) Lehmann and Neumann 1896. Source of type material recommended for DOE sponsored genome sequencing by the JGI: No viable deposit available. High-quality 16S rRNA sequence S000129729 (RDP), X55587 (Genbank). GOLD ID: Gc00045. GCAT ID: 000565_GCAT. Entrez genome id: 90. Sequenced strain: TN is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6372
- Mycobacterium lepraemurium*^{AL} Marchoux and Sorel 1912. Source of type material recommended for DOE sponsored genome sequencing by the JGI: No viable deposit available. N4Lid DOI: 10.1601/nm.6373
- Mycobacterium madagascariense*^{VP} Kazda et al. 1992. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49865. N4Lid DOI: 10.1601/nm.6374
- Mycobacterium mageritense*^{VP} Domenech et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700351. High-quality 16S rRNA sequence S000352715 (RDP), AJ699399 (Genbank). N4Lid DOI: 10.1601/nm.6375
- Mycobacterium malmoense*^{AL} Schroder and Juhlin 1977. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29571. High-quality 16S rRNA sequence S000436564 (RDP), M61666 (Genbank). N4Lid DOI: 10.1601/nm.6376
- Mycobacterium marinum*^{AL} Aronson 1926. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 927. High-quality 16S rRNA sequence S000091563 (RDP), AF456240 (Genbank). GOLD ID: Gi00382. GCAT ID: 001223_GCAT. Sequenced strain: M is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.6377
- Mycobacterium massiliense*^{VP} Adékambi et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 48898. High-quality 16S rRNA sequence S000463373 (RDP), AY593980 (Genbank). N4Lid DOI: 10.1601/nm.10322
- Mycobacterium microti*^{AL} Reed 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19422. High-quality 16S rRNA sequence S000429485 (RDP), AF480584 (Genbank). GOLD ID: Gi00383. GCAT ID: 001225_GCAT. Entrez genome id:

12623. Sequenced strain: OV254 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6378
- Mycobacterium montefiorensis*^{VP} Levi et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-256. High-quality 16S rRNA sequence S000391703 (RDP), AF330038 (Genbank). N4Lid DOI: 10.1601/nm.6379
- Mycobacterium moriokaense*^{VP} Tsukamura et al. 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43059. High-quality 16S rRNA sequence S000002172 (RDP), AJ429044 (Genbank). N4Lid DOI: 10.1601/nm.6380
- Mycobacterium mucogenicum*^{VP} Springer et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49650. N4Lid DOI: 10.1601/nm.6381
- Mycobacterium murale*^{VP} Vuorio et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44340. N4Lid DOI: 10.1601/nm.6382
- Mycobacterium nebraskense*^{VP} Mohamed et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-837. High-quality 16S rRNA sequence S000461440 (RDP), AY368456 (Genbank). N4Lid 10.1601/nm.8718
- Mycobacterium neoaurum*^{AL} Tsukamura 1972. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25795. High-quality 16S rRNA sequence S000436185 (RDP), M29564 (Genbank). N4Lid DOI: 10.1601/nm.6383
- Mycobacterium neworleansense*^{VP} Schinsky et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49404. High-quality 16S rRNA sequence S000460395 (RDP), AY012575 (Genbank). N4Lid 10.1601/nm.8719
- Mycobacterium nonchromogenicum*^{AL} Tsukamura 1965. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19530. High-quality 16S rRNA sequence S000436186 (RDP), M29565 (Genbank). N4Lid DOI: 10.1601/nm.6384
- Mycobacterium novocastrense*^{VP} Shojaei et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44203. High-quality 16S rRNA sequence S000438914 (RDP), U96747 (Genbank). N4Lid DOI: 10.1601/nm.6385
- Mycobacterium obuense*^{VP} (ex Tsukamura and Mizuno 1971) Tsukamura and Mizuno 1981. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27023. High-quality 16S rRNA sequence S000131075 (RDP), X55597 (Genbank). N4Lid DOI: 10.1601/nm.6386
- Mycobacterium palustre*^{VP} Torkko et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-377. High-quality 16S rRNA sequence S000433334 (RDP), AJ308603 (Genbank). N4Lid DOI: 10.1601/nm.6387
- Mycobacterium parafortuitum*^{AL} Tsukamura et al. 1965. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19686. High-quality 16S rRNA sequence S000381373 (RDP), X93183 (Genbank). N4Lid DOI: 10.1601/nm.6388
- Mycobacterium parascrofulaceum*^{VP} Turenne et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-614. High-quality 16S rRNA sequence S000418699 (RDP), AY337273 (Genbank). N4Lid 10.1601/nm.8720
- Mycobacterium parmense*^{VP} Fanti et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44553. High-quality 16S rRNA sequence S000366306 (RDP), AF466821 (Genbank). N4Lid 10.1601/nm.8721
- Mycobacterium peregrinum*^{VP} (ex Bojalil et al. 1962) Kusunoki and Ezaki 1992. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14467. High-quality 16S rRNA sequence S000428213 (RDP), AF058712 (Genbank). N4Lid DOI: 10.1601/nm.6390
- Mycobacterium phlei*^{AL} Lehmann and Neumann 1899. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 11758. High-quality 16S rRNA sequence S000436187 (RDP), M29566 (Genbank). N4Lid DOI: 10.1601/nm.6391
- Mycobacterium phocaicum*^{VP} Adékambi et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 50185. High-quality 16S rRNA sequence S000631791 (RDP), AY859682 (Genbank). N4Lid 10.1601/nm.9819

Mycobacterium pinnipedii^{VP} Cousins et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-688. High-quality 16S rRNA sequence S000395520 (RDP), AF502574 (Genbank). N4Lid DOI: 10.1601/nm.6392

Mycobacterium porcinum^{VP} Tsukamura et al. 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33776. N4Lid DOI: 10.1601/nm.6393

Mycobacterium poriferae^{VP} Padgitt and Moshier 1987. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35087. High-quality 16S rRNA sequence S000429490 (RDP), AF480589 (Genbank). N4Lid DOI: 10.1601/nm.6394

Mycobacterium pseudoshottsii^{VP} Rhodes et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-883. High-quality 16S rRNA sequence S000540580 (RDP), AY570988 (Genbank). N4Lid DOI: 10.1601/nm.9413

Mycobacterium psychrotolerans^{VP} Trujillo et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44697. High-quality 16S rRNA sequence S000416815 (RDP), AJ534886 (Genbank). N4Lid DOI: 10.1601/nm.8722

Mycobacterium pulveris^{VP} Tsukamura et al. 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35154. High-quality 16S rRNA sequence S000004105 (RDP), AJ429046 (Genbank). N4Lid DOI: 10.1601/nm.6395

Mycobacterium pyrenivorans^{VP} Derz et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24349. High-quality 16S rRNA sequence S000440047 (RDP), AJ431371 (Genbank). N4Lid DOI: 10.1601/nm.8723

Mycobacterium rhodesiae^{VP} (ex Tsukamura et al. 1971) Tsukamura 1981. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27024. High-quality 16S rRNA sequence S000015160 (RDP), AJ429047 (Genbank). N4Lid DOI: 10.1601/nm.6396

Mycobacterium saskatchewanense^{VP} Turenne et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-544. N4Lid DOI: 10.1601/nm.8724

Mycobacterium scrofulaceum^{AL} Prissick and Masson 1956. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19981. High-quality 16S rRNA sequence S000429505 (RDP), AF480604 (Genbank). N4Lid DOI: 10.1601/nm.6397

Mycobacterium senegalense^{AL} (Chamoiseau 1973) Chamoiseau 1979. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35796. High-quality 16S rRNA sequence S000436188 (RDP), M29567 (Genbank). N4Lid DOI: 10.1601/nm.6398

Mycobacterium septicum^{VP} Schinsky et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700731. High-quality 16S rRNA sequence S000429049 (RDP), AF111809 (Genbank). N4Lid DOI: 10.1601/nm.6399

Mycobacterium shimoidi^{VP} (ex Tsukamura et al. 1975) Tsukamura 1982. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27962. High-quality 16S rRNA sequence S000130021 (RDP), X82459 (Genbank). N4Lid DOI: 10.1601/nm.6400

Mycobacterium shottsii^{VP} Rhodes et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700981. High-quality 16S rRNA sequence S000571663 (RDP), AY005147 (Genbank). N4Lid DOI: 10.1601/nm.6401

Mycobacterium simiae^{AL} Karassova et al. 1965. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25275. High-quality 16S rRNA sequence S000011976 (RDP), X52931 (Genbank). N4Lid DOI: 10.1601/nm.6402

Mycobacterium smegmatis^{AL} (Trevisan 1889) Lehmann and Neumann 1899. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19420. High-quality 16S rRNA sequence S000112631 (RDP), AJ131761 (Genbank). GOLD ID: Gc00461. GCAT ID: 000148_GCAT. Entrez genome id: 92. Sequenced strain: MC2 155 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6403

Mycobacterium sphagni^{VP} Kazda 1980. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33027. N4Lid DOI: 10.1601/nm.6404

Mycobacterium szulgai^{AL} Marks et al. 1972. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35799. High-quality 16S rRNA sequence S000010837 (RDP), X52926 (Genbank). N4Lid DOI: 10.1601/nm.6405

Mycobacterium terrae^{AL} Wayne 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15755. High-quality 16S rRNA sequence S000436189 (RDP), M29568 (Genbank). N4Lid DOI: 10.1601/nm.6406

Mycobacterium thermoresistibile^{AL} Tsukamura 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19527. High-quality 16S rRNA sequence S000436191 (RDP), M29570 (Genbank). N4Lid DOI: 10.1601/nm.6407

Mycobacterium tokaiense^{VP} (ex Tsukamura 1973) Tsukamura 1981. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27282. High-quality 16S rRNA sequence S000429491 (RDP), AF480590 (Genbank). N4Lid DOI: 10.1601/nm.6408

Mycobacterium triplex^{VP} Floyd et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700071. N4Lid DOI: 10.1601/nm.6409

Mycobacterium triviale^{AL} Kubica 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23292. High-quality 16S rRNA sequence S000003946 (RDP), X88924 (Genbank). N4Lid DOI: 10.1601/nm.6410

Mycobacterium tusciae^{VP} Tortoli et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-564. High-quality 16S rRNA sequence S000428212 (RDP), AF058299 (Genbank). N4Lid DOI: 10.1601/nm.6411

Mycobacterium ulcerans^{AL} MacCallum et al. 1950. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19423. High-quality 16S rRNA sequence S000768728 (RDP). GOLD ID: Gc00469. GCAT ID: 000140_GCAT. Entrez genome id: 16230. Sequenced strain: Agy99 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 2 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6412

Mycobacterium vaccae^{AL} Bönicke and Juhasz 1964. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15483. High-quality 16S rRNA sequence S000128243 (RDP), X55601 (Genbank). N4Lid DOI: 10.1601/nm.6413

Mycobacterium vanbaalenii^{VP} Khan et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24157. High-quality 16S rRNA sequence S000334571 (RDP), X84977 (Genbank). GOLD ID: Gc00479. GCAT ID: 000130_GCAT. Entrez genome id: 15761. Sequenced strain: NRRL B-24157 is type material. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6414

Mycobacterium wolinskyi^{VP} Brown et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700010. High-quality 16S rRNA sequence S000011238 (RDP), Y12873 (Genbank). N4Lid DOI: 10.1601/nm.6415

Mycobacterium xenopi^{AL} Schwabacher 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19250. High-quality 16S rRNA sequence S000436562 (RDP), M61664 (Genbank). N4Lid DOI: 10.1601/nm.6416

Family Nocardiaceae^{AL} Castellani and Chalmers 1919. N4Lid DOI: 10.1601/nm.6417

Genus Nocardia^{AL} Trevisan 1889. N4Lid DOI: 10.1601/nm.6418

Nocardia asteroides^{AL} (Eppinger 1891) Blanchard 1896. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19247. High-quality 16S rRNA sequence S000013466 (RDP), X84850 (Genbank). N4Lid DOI: 10.1601/nm.6419

Nocardia abscessus^{VP} Yassin et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-279. High-quality 16S rRNA sequence S000389343 (RDP), AF218292 (Genbank). N4Lid DOI: 10.1601/nm.6420

Nocardia africana^{VP} Hamid et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-280. High-quality 16S rRNA sequence S000390517 (RDP), AF277198 (Genbank). N4Lid DOI: 10.1601/nm.6421

Nocardia alba^{VP} Li et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44684. High-quality 16S rRNA sequence S000117794 (RDP), AY222321 (Genbank). N4Lid DOI: 10.1601/nm.8732

Nocardia anaemiae^{VP} Kageyama et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44821. High-quality 16S rRNA sequence S000364783 (RDP), AB162801 (Genbank). N4Lid DOI: 10.1601/nm.9479

- Nocardia aobensis*^{VP} Kageyama et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44805. High-quality 16S rRNA sequence S000564915 (RDP), AB126876 (Genbank). N4Lid 10.1601/nm.9292
- Nocardia araoensis*^{VP} Kageyama et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44729. High-quality 16S rRNA sequence S000439507 (RDP), AB108779 (Genbank). N4Lid 10.1601/nm.8733
- Nocardia arthritidis*^{VP} Kageyama et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44731. High-quality 16S rRNA sequence S000319460 (RDP), AB108781 (Genbank). N4Lid 10.1601/nm.8734
- Nocardia asiatica*^{VP} Kageyama et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44668. High-quality 16S rRNA sequence S000385517 (RDP), AB092566 (Genbank). N4Lid DOI: 10.1601/nm.6423
- Nocardia beijingensis*^{VP} Wang et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44636. High-quality 16S rRNA sequence S000388262 (RDP), AF154129 (Genbank). N4Lid DOI: 10.1601/nm.6425
- Nocardia brasiliensis*^{AL} (Lindenberg 1909) Pinoy 1913. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19296. High-quality 16S rRNA sequence S000364347 (RDP), X80591 (Genbank). N4Lid DOI: 10.1601/nm.6426
- Nocardia brevicatena*^{VP} (Lechevalier et al. 1961) Goodfellow and Pirouz 1982. <==
Micropolyspora brevicatena (basonym). Synonym links through N4Lid: 10.1601/ex.6427. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15333. High-quality 16S rRNA sequence S000364356 (RDP), X80600 (Genbank). N4Lid DOI: 10.1601/nm.6427
- † *Micropolyspora brevicatena*^{AL} Lechevalier et al. 1961. ==> *Nocardia brevicatena* (new combination). Synonym links through N4Lid: 10.1601/ex.6427. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15333. High-quality 16S rRNA sequence S000364356 (RDP), X80600 (Genbank). N4Lid 10.1601/nm.9008
- Nocardia caishijiensis*^{VP} Zhang et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 11508. High-quality 16S rRNA sequence S000394500 (RDP), AF459443 (Genbank). N4Lid DOI: 10.1601/nm.6428
- Nocardia carnea*^{AL} (Rossi Doria 1891) Castellani and Chalmers 1913. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6847. High-quality 16S rRNA sequence S000364358 (RDP), X80602 (Genbank). N4Lid DOI: 10.1601/nm.6430
- Nocardia cerradoensis*^{VP} Albuquerque de Barros et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44546. High-quality 16S rRNA sequence S000428232 (RDP), AF060790 (Genbank). N4Lid DOI: 10.1601/nm.6432
- Nocardia coeliaca*^{AL} (Gray and Thornton 1928) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 17041. N4Lid DOI: 10.1601/nm.6433
- Nocardia concava*^{VP} Kageyama et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44804. High-quality 16S rRNA sequence S000564919 (RDP), AB126880 (Genbank). N4Lid 10.1601/nm.9595
- Nocardia crassostreae*^{VP} Friedman et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700418. High-quality 16S rRNA sequence S000011980 (RDP), Z37989 (Genbank). N4Lid DOI: 10.1601/nm.6435
- Nocardia cummidelens*^{VP} Maldonado et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44490. High-quality 16S rRNA sequence S000390521 (RDP), AF277202 (Genbank). N4Lid DOI: 10.1601/nm.6436
- Nocardia cyriaciageorgica*^{VP} corrig. Yassin et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44484. High-quality 16S rRNA sequence S000390572 (RDP), AF282889 (Genbank). N4Lid DOI: 10.1601/nm.6437
- Nocardia elegans*^{VP} Yassin and Brenner 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 50200. High-quality 16S rRNA sequence S000544289 (RDP), AJ854057 (Genbank). N4Lid 10.1601/nm.9495

- Nocardia exalbida*^{VP} Iida et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44883. High-quality 16S rRNA sequence S000469847 (RDP), AB187522 (Genbank). N4Lid DOI: 10.1601/nm.10085
- Nocardia farcinica*^{AL} Trevisan 1889. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 3318. High-quality 16S rRNA sequence S000364351 (RDP), X80595 (Genbank). GOLD ID: Gc00224. GCAT ID: 000386_GCAT. Entrez genome id: 13117. Sequenced strain: IFM 10152 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6438
- Nocardia flavorosea*^{VP} Chun et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16176. High-quality 16S rRNA sequence S000009671 (RDP), Z46754 (Genbank). N4Lid DOI: 10.1601/nm.6439
- Nocardia fluminea*^{VP} Maldonado et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44489. High-quality 16S rRNA sequence S000390523 (RDP), AF277204 (Genbank). N4Lid DOI: 10.1601/nm.6440
- Nocardia globerula*^{AL} (Gray 1928) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19370. N4Lid DOI: 10.1601/nm.6441
- Nocardia harenae*^{VP} Seo and Lee 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24459. High-quality 16S rRNA sequence S000635286 (RDP), DQ282122 (Genbank). N4Lid DOI: 10.1601/nm.10275
- Nocardia higoensis*^{VP} Kageyama et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44732. High-quality 16S rRNA sequence S000439506 (RDP), AB108778 (Genbank). N4Lid 10.1601/nm.8735
- Nocardia ignorata*^{VP} Yassin et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24141. High-quality 16S rRNA sequence S000366395 (RDP), AJ303008 (Genbank). N4Lid DOI: 10.1601/nm.6443
- Nocardia inohanensis*^{VP} Kageyama et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44667. High-quality 16S rRNA sequence S000366771 (RDP), AJ619769 (Genbank). N4Lid DOI: 10.1601/nm.6444
- Nocardia jejuensis*^{VP} Lee 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24430. High-quality 16S rRNA sequence S000632612 (RDP), AY964666 (Genbank). N4Lid 10.1601/nm.9925
- Nocardia jiangxiensis*^{VP} Cui et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12861. High-quality 16S rRNA sequence S000372065 (RDP), AY639902 (Genbank). N4Lid 10.1601/nm.9581
- Nocardia kruczakiae*^{VP} Conville et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-948. High-quality 16S rRNA sequence S000485121 (RDP), AY441974 (Genbank). N4Lid 10.1601/nm.9280
- Nocardia lijiangensis*^{VP} Xu et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44933. High-quality 16S rRNA sequence S000444302 (RDP), AY779043 (Genbank). N4Lid DOI: 10.1601/nm.10323
- Nocardia mexicana*^{VP} Rodríguez-Nava et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44952. N4Lid DOI: 10.1601/nm.10076
- Nocardia miyunensis*^{VP} Cui et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12860. High-quality 16S rRNA sequence S000372064 (RDP), AY639901 (Genbank). N4Lid 10.1601/nm.9582
- Nocardia neocaledoniensis*^{VP} Saintpierre-Bonaccio et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44717. High-quality 16S rRNA sequence S000405733 (RDP), AY282603 (Genbank). N4Lid DOI: 10.1601/nm.6446
- Nocardia niigatensis*^{VP} Kageyama et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44670. High-quality 16S rRNA sequence S000275713 (RDP), AB092563 (Genbank). N4Lid DOI: 10.1601/nm.6447
- Nocardia nova*^{VP} Tsukamura 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33726. High-quality 16S rRNA sequence S000364349 (RDP), X80593 (Genbank). N4Lid DOI: 10.1601/nm.6448

- Nocardia otitidiscaviarum*^{AL} corrig. Snijders 1924. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14629. High-quality 16S rRNA sequence S000364355 (RDP), X80599 (Genbank). N4Lid DOI: 10.1601/nm.6450
- Nocardia paucivorans*^{VP} Yassin et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-278. High-quality 16S rRNA sequence S000388716 (RDP), AF179865 (Genbank). N4Lid DOI: 10.1601/nm.6451
- Nocardia pigrifrangens*^{VP} Wang et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 11884. High-quality 16S rRNA sequence S000458517 (RDP), AF219974 (Genbank). N4Lid 10.1601/nm.8736
- Nocardia pneumoniae*^{VP} Kageyama et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44730. High-quality 16S rRNA sequence S000439508 (RDP), AB108780 (Genbank). N4Lid 10.1601/nm.8737
- Nocardia polyresistens*^{VP} Xu et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: KCTC 19027. High-quality 16S rRNA sequence S000573900 (RDP), AY626158 (Genbank). N4Lid 10.1601/nm.9493
- Nocardia pseudobrasiliensis*^{VP} Ruimy et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51512. High-quality 16S rRNA sequence S000022283 (RDP), X84857 (Genbank). N4Lid DOI: 10.1601/nm.6454
- Nocardia pseudovaccinii*^{VP} Kim et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24154. High-quality 16S rRNA sequence S000394045 (RDP), AF430046 (Genbank). N4Lid DOI: 10.1601/nm.6455
- Nocardia puris*^{VP} Yassin et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24204. High-quality 16S rRNA sequence S000147173 (RDP), AJ508748 (Genbank). N4Lid DOI: 10.1601/nm.6456
- Nocardia salmonicida*^{VP} (ex Rucker 1949) Isik et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27463. High-quality 16S rRNA sequence S000014665 (RDP), Z46750 (Genbank). N4Lid DOI: 10.1601/nm.6459
- Nocardia seriolae*^{VP} Kudo et al. 1988. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43993. High-quality 16S rRNA sequence S000364348 (RDP), X80592 (Genbank). N4Lid DOI: 10.1601/nm.6461
- Nocardia shimofusensis*^{VP} Kageyama et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44733. High-quality 16S rRNA sequence S000439503 (RDP), AB108775 (Genbank). N4Lid 10.1601/nm.8738
- Nocardia sienata*^{VP} corrig. Kageyama et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44766. High-quality 16S rRNA sequence S000564691 (RDP), AB121770 (Genbank). N4Lid 10.1601/nm.8739
- Nocardia soli*^{VP} Maldonado et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44488. High-quality 16S rRNA sequence S000390542 (RDP), AF277223 (Genbank). N4Lid DOI: 10.1601/nm.6462
- Nocardia takedensis*^{VP} Yamamura et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44801. High-quality 16S rRNA sequence S000469604 (RDP), AB158277 (Genbank). N4Lid 10.1601/nm.8740
- Nocardia tenerifensis*^{VP} Kämpfer et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44704. High-quality 16S rRNA sequence S000126149 (RDP), AJ556157 (Genbank). N4Lid DOI: 10.1601/nm.6464
- Nocardia testacea*^{VP} corrig. Kageyama et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44765. High-quality 16S rRNA sequence S000564690 (RDP), AB121769 (Genbank). N4Lid 10.1601/nm.8741
- Nocardia thailandica*^{VP} Kageyama et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44808. High-quality 16S rRNA sequence S000564913 (RDP), AB126874 (Genbank). N4Lid 10.1601/nm.9293
- Nocardia transvalensis*^{AL} Pijper and Pullinger 1927. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6865. High-quality 16S rRNA sequence S000364354 (RDP), X80598 (Genbank). N4Lid DOI: 10.1601/nm.6465

Nocardia uniformis^{VP} (ex Marton and Szabó 1959) Isik et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 43136. High-quality 16S rRNA sequence S000013112 (RDP), Z46752 (Genbank). N4Lid DOI: 10.1601/nm.6466

Nocardia vaccinii^{AL} Demaree and Smith 1952. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 11092. High-quality 16S rRNA sequence S000364353 (RDP), X80597 (Genbank). N4Lid DOI: 10.1601/nm.6467

Nocardia vermiculata^{VP} Kageyama et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44807. High-quality 16S rRNA sequence S000564912 (RDP), AB126873 (Genbank). N4Lid 10.1601/nm.9294

Nocardia veterana^{VP} Gürtler et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24136. High-quality 16S rRNA sequence S000390550 (RDP), AF278572 (Genbank). N4Lid DOI: 10.1601/nm.6468

Nocardia vinacea^{VP} Kinoshita et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44638. High-quality 16S rRNA sequence S000382713 (RDP), AB024312 (Genbank). N4Lid DOI: 10.1601/nm.6469

Nocardia xishanensis^{VP} Zhang et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12160. High-quality 16S rRNA sequence S000441112 (RDP), AY333115 (Genbank). N4Lid 10.1601/nm.8742

Nocardia yamanashiensis^{VP} Kageyama et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44669. High-quality 16S rRNA sequence S000277251 (RDP), AB092561 (Genbank). N4Lid DOI: 10.1601/nm.6470

Genus † *Micropolyspora*^{AL} Lechevalier et al. 1961. Unified with *Nocardia*, links through 10.1601/nm.6418. N4Lid 10.1601/nm.9007

Micropolyspora internatus^{AL} Agre et al. 1974. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 3315. High-quality 16S rRNA sequence S000544170 (RDP), AJ717385 (Genbank). N4Lid 10.1601/nm.9072

Genus *Rhodococcus*^{AL} Zopf 1891. GOLD ID: Gc00407. GCAT ID: 000203_GCAT. Entrez genome id: 13693. Sequenced strain: RHA1 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 2 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6471

Rhodococcus rhodochrous^{AL} (Zopf 1891) Tsukamura 1974. ≈ *Rhodococcus roseus* (later heterotypic synonym), links through 10.1601/nm.6472. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13808. High-quality 16S rRNA sequence S000007824 (RDP), X81921 (Genbank). N4Lid DOI: 10.1601/nm.6472

† *Rhodococcus roseus*^{VP} (ex Grotenfelt 1889) Tsukamura et al. 1991. ≈ *Rhodococcus rhodochrous* (earlier heterotypic synonym), links through 10.1601/nm.6472. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 271. N4Lid DOI: 10.1601/nm.6496

Rhodococcus aetherivorans^{VP} Goodfellow et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44752. High-quality 16S rRNA sequence S000322868 (RDP), AF447391 (Genbank). N4Lid 10.1601/nm.8810

Rhodococcus baikonurensis^{VP} Li et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44587. High-quality 16S rRNA sequence S000334611 (RDP), AB071951 (Genbank). N4Lid 10.1601/nm.8811

Rhodococcus coprophilus^{AL} Rowbotham and Cross 1979. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29080. High-quality 16S rRNA sequence S000005142 (RDP), X81928 (Genbank). N4Lid DOI: 10.1601/nm.6478

Rhodococcus corynebacterioides^{VP} (Serrano et al. 1972) Yassin and Schaal 2005. <== *Nocardia corynebacterioides* (basonym). Synonym links through N4Lid: 10.1601/ex.6434. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14898. N4Lid 10.1601/nm.9261

† *Nocardia corynebacterioides*^{AL} Serrano et al. 1972. ==> *Rhodococcus corynebacterioides* (new combination). Synonym links through N4Lid: 10.1601/ex.6434. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14898. N4Lid DOI: 10.1601/nm.6434

Rhodococcus equi^{AL} (Magnusson 1923) Goodfellow and Alderson 1977. == *Corynebacterium equi* (earlier homotypic synonym), links through 10.1601/ex.6214. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14887. High-quality 16S rRNA sequence S000000605 (RDP), X82052 (Genbank). GOLD ID: Gi00509. GCAT ID: 001359_GCAT. Sequenced strain: ATCC 33701 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 2 (GOLD). N4Lid DOI: 10.1601/nm.6480

† *Nocardia restricta*^{AL} (Turfitt 1944) McClung 1974. ≈ *Rhodococcus equi* (earlier heterotypic synonym), links through 10.1601/nm.6480. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 43199. High-quality 16S rRNA sequence S000364368 (RDP), X80613 (Genbank). N4Lid DOI: 10.1601/nm.6457

† *Corynebacterium equi*^{AL} Magnusson 1923. == *Rhodococcus equi* (later homotypic synonym), links through 10.1601/ex.6214. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ACC 7005. High-quality 16S rRNA sequence S000000605 (RDP), X82052 (Genbank). N4Lid DOI: 10.1601/nm.6214

Rhodococcus erythropolis^{AL} (Gray and Thornton 1928) Goodfellow and Alderson 1979. ≈ *Arthrobacter picolinophilus* (later heterotypic synonym), links through 10.1601/nm.6481. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19369. High-quality 16S rRNA sequence S000000256 (RDP), X81929 (Genbank). GOLD ID: Gi00730. GCAT ID: 001408_GCAT. Sequenced strain: RR4 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.6481

† *Arthrobacter picolinophilus*^{AL} Tate and Ensign 1974. ≈ *Rhodococcus erythropolis* (earlier heterotypic synonym), links through 10.1601/nm.6481. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27854. N4Lid DOI: 10.1601/nm.5865

Rhodococcus fascians^{VP} (Tilford 1936) Goodfellow 1984. <== *Corynebacterium fascians* (basonym). Synonym links through N4Lid: 10.1601/ex.6216. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12974. High-quality 16S rRNA sequence S000004786 (RDP), X81930 (Genbank). N4Lid DOI: 10.1601/nm.6482

† *Rhodococcus luteus*^{VP} (ex Söhngen 1913) Nesterenko et al. 1982. ≈ *Rhodococcus fascians* (earlier heterotypic synonym), links through 10.1601/nm.6482. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35014. N4Lid DOI: 10.1601/nm.6487

† *Corynebacterium fascians*^{AL} (Tilford 1936) Dowson 1942. ==> *Rhodococcus fascians* (new combination). Synonym links through N4Lid: 10.1601/ex.6216. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12974. High-quality 16S rRNA sequence S000004786 (RDP), X81930 (Genbank). N4Lid DOI: 10.1601/nm.6216

† *Nocardia calcarea*^{AL} Metcalf and Brown 1957. ≈ *Rhodococcus erythropolis* (earlier heterotypic synonym), links through 10.1601/nm.6481. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19369. N4Lid DOI: 10.1601/nm.6429

Rhodococcus globerulus^{VP} Goodfellow et al. 1985. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25714. High-quality 16S rRNA sequence S000364374 (RDP), X80619 (Genbank). N4Lid DOI: 10.1601/nm.6483

Rhodococcus gordoniae^{VP} Jones et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44689. High-quality 16S rRNA sequence S000403334 (RDP), AY233201 (Genbank). N4Lid DOI: 10.1601/nm.6484

Rhodococcus imtechensis^{VP} Ghosh et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 13270. High-quality 16S rRNA sequence S000412016 (RDP), AY525785 (Genbank). N4Lid DOI: 10.1601/nm.10221

Rhodococcus jostii^{VP} Takeuchi et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 16295. High-quality 16S rRNA sequence S000015177 (RDP), AB046357 (Genbank). N4Lid DOI: 10.1601/nm.6485

Rhodococcus koreensis^{VP} Yoon et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44498. High-quality 16S rRNA sequence S000387216 (RDP), AF124342 (Genbank). N4Lid DOI: 10.1601/nm.6486

Rhodococcus kroppenstedtii^{VP} Mayilraj et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44908. High-quality 16S rRNA sequence S000424749 (RDP), AY726605 (Genbank). N4Lid DOI: 10.1601/nm.10021

Rhodococcus maanshanensis^{VP} Zhang et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44675. High-quality 16S rRNA sequence S000499733 (RDP), AF416566 (Genbank). N4Lid DOI: 10.1601/nm.6488

Rhodococcus marinonascens^{VP} Helmke and Weyland 1984. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35653. High-quality 16S rRNA sequence S000364372 (RDP), X80617 (Genbank). N4Lid DOI: 10.1601/nm.6489

Rhodococcus opacus^{VP} Klatt et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51881. High-quality 16S rRNA sequence S000364385 (RDP), X80630 (Genbank). GOLD ID: Gi01302. GCAT ID: 001409_GCAT. Sequenced strain: B4 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.6492

Rhodococcus percolatus^{VP} Briglia et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44240. High-quality 16S rRNA sequence S000131207 (RDP), X92114 (Genbank). N4Lid DOI: 10.1601/nm.6493

Rhodococcus phenolicus^{VP} Rehffuss and Urban 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24323. High-quality 16S rRNA sequence S000359172 (RDP), AY533293 (Genbank). N4Lid 10.1601/nm.9917

Rhodococcus pyridinivorans^{VP} Yoon et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44555. High-quality 16S rRNA sequence S000388573 (RDP), AF173005 (Genbank). N4Lid DOI: 10.1601/nm.6494

Rhodococcus rhodnii^{AL} Goodfellow and Alderson 1979. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35071. High-quality 16S rRNA sequence S000002396 (RDP), X81935 (Genbank). N4Lid DOI: 10.1601/nm.6495

Rhodococcus ruber^{AL} (Kruse 1896) Goodfellow and Alderson 1977. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 43338. High-quality 16S rRNA sequence S000364380 (RDP), X80625 (Genbank). N4Lid DOI: 10.1601/nm.6497

Rhodococcus triatomae^{VP} Yassin 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44892. High-quality 16S rRNA sequence S000544287 (RDP), AJ854055 (Genbank). N4Lid 10.1601/nm.9498

Rhodococcus tukisamuensis^{VP} Matsuyama et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 11308. High-quality 16S rRNA sequence S000384429 (RDP), AB067734 (Genbank). N4Lid DOI: 10.1601/nm.6501

Rhodococcus wratislaviensis^{VP} (Goodfellow et al. 1995) Goodfellow et al. 2002. <== *Tsukamurella wratislaviensis* (basonym). Synonym links through N4Lid: 10.1601/ex.6512. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51786. High-quality 16S rRNA sequence S000001649 (RDP), Z37138 (Genbank). N4Lid DOI: 10.1601/nm.6502

† *Tsukamurella wratislaviensis*^{VP} Goodfellow et al. 1995. ==> *Rhodococcus wratislaviensis* (new combination). Synonym links through N4Lid: 10.1601/ex.6512. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51786. High-quality 16S rRNA sequence S000001649 (RDP), Z37138 (Genbank). N4Lid DOI: 10.1601/nm.6512

Rhodococcus yunnanensis^{VP} Zhang et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44837. High-quality 16S rRNA sequence S000548352 (RDP), AY602219 (Genbank). N4Lid 10.1601/nm.9412

Rhodococcus zopfii^{VP} Stoecker et al. 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51349. High-quality 16S rRNA sequence S000001632 (RDP), X81934 (Genbank). N4Lid DOI: 10.1601/nm.6503

Family Segniliparaceae^{VP} Butler et al 2005. N4Lid DOI: 10.1601/nm.10337

Genus Segniliparus^{VP} Butler et al. 2005. N4Lid 10.1601/nm.9503

Segniliparus rotundus^{VP} Butler et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-972. High-quality 16S rRNA sequence S000573544 (RDP), AY608918 (Genbank). N4Lid 10.1601/nm.9501

Segniliparus rugosus^{VP} Butler et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-974. High-quality 16S rRNA sequence S000573546 (RDP), AY608920 (Genbank). N4Lid 10.1601/nm.9502

Family Tsukamurellaceae^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.6504

Genus Tsukamurella^{VP} Collins et al. 1988. N4Lid DOI: 10.1601/nm.6505

Tsukamurella paurometabola^{VP} corrig. (Steinhaus 1941) Collins et al. 1988. <==
Corynebacterium paurometabolum (basonym). Synonym links through N4Lid: 10.1601/ex.6252. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 8368. High-quality 16S rRNA sequence S000364383 (RDP), X80628 (Genbank). N4Lid DOI: 10.1601/nm.6506

† *Rhodococcus aurantiacus*^{VP} (ex Tsukamura and Mizuno 1971) Tsukamura and Yano 1985. ≈
Tsukamurella paurometabola (earlier heterotypic synonym), links through 10.1601/nm.6506. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25938. N4Lid DOI: 10.1601/nm.6474

† *Corynebacterium paurometabolum*^{AL} Steinhaus 1941. ==> *Tsukamurella paurometabola* (new combination). Synonym links through N4Lid: 10.1601/ex.6252. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 8368. High-quality 16S rRNA sequence S000364383 (RDP), X80628 (Genbank). N4Lid DOI: 10.1601/nm.6252

Tsukamurella inchonensis^{VP} Yassin et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700082. High-quality 16S rRNA sequence S000375753 (RDP), X85955 (Genbank). N4Lid DOI: 10.1601/nm.6507

Tsukamurella pseudospumae^{VP} Nam et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44118. N4Lid 10.1601/nm.8896

Tsukamurella pulmonis^{VP} Yassin et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700081. High-quality 16S rRNA sequence S000375754 (RDP), X92981 (Genbank). N4Lid DOI: 10.1601/nm.6508

Tsukamurella spumae^{VP} Nam et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44113. High-quality 16S rRNA sequence S000001349 (RDP), Z37150 (Genbank). N4Lid DOI: 10.1601/nm.6509

Tsukamurella strandjordii^{VP} corrig. Kattar et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-173. High-quality 16S rRNA sequence S000390578 (RDP), AF283283 (Genbank). N4Lid DOI: 10.1601/nm.6510

Tsukamurella tyrosinosolvans^{VP} Yassin et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44234. High-quality 16S rRNA sequence S000381467 (RDP), Y12246 (Genbank). N4Lid DOI: 10.1601/nm.6511

Family "Williamsiaceae" N4Lid DOI: 10.1601/nm.6513

Genus Williamsia^{VP} Kämpfer et al. 1999. N4Lid DOI: 10.1601/nm.6514

Williamsia muralis^{VP} Kämpfer et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44343. N4Lid DOI: 10.1601/nm.6515

Williamsia deligens^{VP} Yassin and Hupfer 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44902. High-quality 16S rRNA sequence S000539928 (RDP), AJ920290 (Genbank). N4Lid 10.1601/nm.9821

Williamsia marianensis^{VP} Pathom-aree et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44944. High-quality 16S rRNA sequence S000576763 (RDP), AY894336 (Genbank). N4Lid DOI: 10.1601/nm.10034

Williamsia maris^{VP} Stach et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44693. High-quality 16S rRNA sequence S000382039 (RDP), AB010909 (Genbank). N4Lid DOI: 10.1601/nm.6516

Suborder Micromonosporineae^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.6517

Family Micromonosporaceae^{AL} Krasil'nikov 1938. N4Lid DOI: 10.1601/nm.6518

Genus Micromonospora^{AL} Ørskov 1923. N4Lid DOI: 10.1601/nm.6519

Micromonospora chalcea^{AL} (Foulerton 1905) Ørskov 1923. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12452. High-quality 16S rRNA sequence S000437942 (RDP), U58531 (Genbank). N4Lid DOI: 10.1601/nm.6520

- Micromonospora aurantiaca*^{AL} Sveshnikova et al. 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27029. High-quality 16S rRNA sequence S000001602 (RDP), X92604 (Genbank). N4Lid DOI: 10.1601/nm.6521
- Micromonospora auratinigra*^{VP} corrig. Thawai et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44815. High-quality 16S rRNA sequence S000457896 (RDP), AB159779 (Genbank). N4Lid 10.1601/nm.8705
- Micromonospora carbonacea* subsp. *aurantiaca*^{AL} Luedemann and Brodsky 1965. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27115. N4Lid DOI: 10.1601/nm.6524
- Micromonospora carbonacea* subsp. *carbonacea*^{AL} Luedemann and Brodsky 1965. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27114. High-quality 16S rRNA sequence S000000020 (RDP), X92606 (Genbank). N4Lid DOI: 10.1601/nm.6523
- Micromonospora chersina*^{VP} Tomita et al. 1992. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 53710. High-quality 16S rRNA sequence S000000434 (RDP), X92628 (Genbank). N4Lid DOI: 10.1601/nm.6525
- Micromonospora citrea*^{VP} Kroppenstedt et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35571. High-quality 16S rRNA sequence S000008156 (RDP), X92617 (Genbank). N4Lid 10.1601/nm.9655
- Micromonospora coerulea*^{AL} Jensen 1932. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27008. High-quality 16S rRNA sequence S000008157 (RDP), X92598 (Genbank). N4Lid DOI: 10.1601/nm.6526
- Micromonospora eburnea*^{VP} Thawai et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44814. High-quality 16S rRNA sequence S000563773 (RDP), AB107231 (Genbank). N4Lid 10.1601/nm.8706
- Micromonospora echinaurantiaca*^{VP} Kroppenstedt et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35572. High-quality 16S rRNA sequence S000003128 (RDP), X92618 (Genbank). N4Lid 10.1601/nm.9656
- Micromonospora echinofusca*^{VP} Kroppenstedt et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 43913. High-quality 16S rRNA sequence S000000815 (RDP), X92625 (Genbank). N4Lid 10.1601/nm.9657
- Micromonospora echinospora* subsp. *echinospora*^{AL} Luedemann and Brodsky 1964. ≈ [10.1601/nm.6527](https://doi.org/10.1601/nm.6527). Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15835. High-quality 16S rRNA sequence S000437943 (RDP), U58532 (Genbank). N4Lid DOI: 10.1601/nm.6527
- † *Micromonospora purpurea*^{AL} Luedemann and Brodsky 1964. ≈ [10.1601/nm.6527](https://doi.org/10.1601/nm.6527). Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15835. N4Lid DOI: 10.1601/nm.6536
- † *Micromonospora rhodorangea*^{AL} Wagman et al. 1974. ≈ [10.1601/nm.6527](https://doi.org/10.1601/nm.6527). Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27932. N4Lid DOI: 10.1601/nm.6538
- Micromonospora echinospora* subsp. *ferruginea*^{AL} Luedemann and Brodsky 1964. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15836. N4Lid DOI: 10.1601/nm.6528
- Micromonospora endolithica*^{VP} Hirsch et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24248. High-quality 16S rRNA sequence S000124253 (RDP), AJ560635 (Genbank). N4Lid 10.1601/nm.8707
- Micromonospora fulviviridis*^{VP} Kroppenstedt et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35574. High-quality 16S rRNA sequence S000005120 (RDP), X92620 (Genbank). N4Lid 10.1601/nm.9658
- Micromonospora gallica*^{AL} (Erikson 1935) Waksman 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NCTC 4582. N4Lid DOI: 10.1601/nm.6530

Micromonospora halophytica subsp. *halophytica*^{AL} Weinstein et al. 1968. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27596. High-quality 16S rRNA sequence S000006993 (RDP), X92601 (Genbank). N4Lid DOI: 10.1601/nm.6531

Micromonospora inositola^{AL} Kawamoto et al. 1974. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21773. High-quality 16S rRNA sequence S000001165 (RDP), X92610 (Genbank). N4Lid DOI: 10.1601/nm.6533

Micromonospora inyonensis^{VP} Kroppenstedt et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27600. High-quality 16S rRNA sequence S000011227 (RDP), X92629 (Genbank). N4Lid 10.1601/nm.9659

Micromonospora matsumotoense^{VP} (Asano et al. 1989) Lee et al. 2000. <== *Catellatospora matsumotoense* (basonym). Synonym links through N4Lid: 10.1601/ex.6574. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16490. High-quality 16S rRNA sequence S000388244 (RDP), AF152109 (Genbank). N4Lid DOI: 10.1601/nm.6534

† *Catellatospora matsumotoense*^{VP} Asano et al. 1989. ==> *Micromonospora matsumotoense* (new combination). Synonym links through N4Lid: 10.1601/ex.6574. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16490. High-quality 16S rRNA sequence S000388244 (RDP), AF152109 (Genbank). N4Lid DOI: 10.1601/nm.6574

Micromonospora mirobrigensis^{VP} Trujillo et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44830. High-quality 16S rRNA sequence S000539473 (RDP), AJ626950 (Genbank). N4Lid 10.1601/nm.9331

Micromonospora nigra^{VP} (Weinstein et al. 1968) Kasai et al. 2000. <== *Micromonospora halophytica* subsp. *nigra* (basonym). Synonym links through N4Lid: 10.1601/ex.6532. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33088. N4Lid 10.1601/nm.9202

† *Micromonospora halophytica* subsp. *nigra*^{AL} Weinstein et al. 1968. ==> *Micromonospora nigra* (new combination). Synonym links through N4Lid: 10.1601/ex.6532. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33088. N4Lid DOI: 10.1601/nm.6532

Micromonospora olivasterospora^{VP} Kawamoto et al. 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21819. N4Lid DOI: 10.1601/nm.6535

Micromonospora pallida^{VP} (Luedemann and Brodsky 1964) Kasai et al. 2000. <== *Micromonospora echinospora* subsp. *pallida* (basonym). Synonym links through N4Lid: 10.1601/ex.6529. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15838. N4Lid 10.1601/nm.9201

† *Micromonospora echinospora* subsp. *pallida*^{AL} Luedemann and Brodsky 1964. ==> *Micromonospora pallida* (new combination). Synonym links through N4Lid: 10.1601/ex.6529. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 2996. N4Lid DOI: 10.1601/nm.6529

Micromonospora peucetia^{VP} Kroppenstedt et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 43363. High-quality 16S rRNA sequence S000012379 (RDP), X92603 (Genbank). N4Lid 10.1601/nm.9660

Micromonospora purpureochromogenes^{AL} (Waksman and Curtis 1916) Luedemann 1971. ≈ *Micromonospora brunnea* (later heterotypic synonym), links through 10.1601/nm.6537. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27007. High-quality 16S rRNA sequence S000003519 (RDP), X92605 (Genbank). N4Lid DOI: 10.1601/nm.6537

† *Micromonospora brunnea*^{AL} Sveshnikova et al. 1969. ≈ *Micromonospora purpureochromogenes* (earlier heterotypic synonym), links through 10.1601/nm.6537. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27334. N4Lid DOI: 10.1601/nm.6522

Micromonospora rosaria^{VP} (ex Wagman et al. 1972) Horan and Brodsky 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29337. High-quality 16S rRNA sequence S000001168 (RDP), X92631 (Genbank). N4Lid DOI: 10.1601/nm.6539

Micromonospora sagamiensis^{VP} Kroppenstedt et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21826. High-quality 16S rRNA sequence S000015368 (RDP), X92624 (Genbank). N4Lid 10.1601/nm.9661

Micromonospora siamensis^{VP} Thawai et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12769. High-quality 16S rRNA sequence S000439751 (RDP), AB193565 (Genbank). N4Lid 10.1601/nm.9814

Micromonospora viridifaciens^{VP} Kroppenstedt et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31146. High-quality 16S rRNA sequence S000014660 (RDP), X92623 (Genbank). N4Lid 10.1601/nm.9662

Genus *Actinocatenispora*^{VP} Thawai et al. 2006. N4Lid DOI: 10.1601/nm.10213

Actinocatenispora thailandica^{VP} Thawai et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44816. High-quality 16S rRNA sequence S000385939 (RDP), AB107233 (Genbank). N4Lid DOI: 10.1601/nm.10212

Genus *Actinoplanes*^{AL} Couch 1950. N4Lid DOI: 10.1601/nm.6540

Actinoplanes philippinensis^{AL} Couch 1950. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12427. High-quality 16S rRNA sequence S000437936 (RDP), U58525 (Genbank). N4Lid DOI: 10.1601/nm.6541

Actinoplanes auranticolor^{VP} (Couch 1963) Stackebrandt and Kroppenstedt 1988. <== *Amorphosporangium auranticolor* (basonym). Synonym links through N4Lid: 10.1601/ex.6543. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15330. High-quality 16S rRNA sequence S000437937 (RDP), U58526 (Genbank). N4Lid DOI: 10.1601/nm.6543

† *Amorphosporangium auranticolor*^{AL} Couch 1963. ==> *Actinoplanes auranticolor* (new combination). Synonym links through N4Lid: 10.1601/ex.6543. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15330. High-quality 16S rRNA sequence S000437937 (RDP), U58526 (Genbank). N4Lid 10.1601/nm.9015

Actinoplanes brasiliensis^{AL} Thiemann et al. 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25844. High-quality 16S rRNA sequence S000381375 (RDP), X93185 (Genbank). N4Lid DOI: 10.1601/nm.6544

Actinoplanes campanulatus^{VP} (Couch 1963) Stackebrandt and Kroppenstedt 1988. <== *Ampullariella campanulata* (basonym). Synonym links through N4Lid: 10.1601/ex.6546. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-3344. High-quality 16S rRNA sequence S000383145 (RDP), AB036995 (Genbank). N4Lid DOI: 10.1601/nm.6546

† *Ampullariella campanulata*^{AL} (Couch 1963) Couch 1964. ==> *Actinoplanes campanulatus* (new combination). Synonym links through N4Lid: 10.1601/ex.6546. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-3344. High-quality 16S rRNA sequence S000383145 (RDP), AB036995 (Genbank). N4Lid 10.1601/nm.9020

Actinoplanes capillaceus^{VP} Matsumoto et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 16408. High-quality 16S rRNA sequence S000482890 (RDP), AB013495 (Genbank). N4Lid DOI: 10.1601/nm.6547

Actinoplanes consettensis^{VP} Goodfellow et al. 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49799. High-quality 16S rRNA sequence S000383146 (RDP), AB036996 (Genbank). N4Lid DOI: 10.1601/nm.6548

Actinoplanes cyaneus^{VP} Terekhova et al. 1987. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 46137. High-quality 16S rRNA sequence S000381376 (RDP), X93186 (Genbank). N4Lid DOI: 10.1601/nm.6549

Actinoplanes deccanensis^{AL} Parenti et al. 1975. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21983. N4Lid DOI: 10.1601/nm.6550

Actinoplanes derwentensis^{VP} Goodfellow et al. 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49798. High-quality 16S rRNA sequence S000383149 (RDP), AB036999 (Genbank). N4Lid DOI: 10.1601/nm.6551

Actinoplanes digitatis^{VP} (Couch 1963) Stackebrandt and Kroppenstedt 1988. <== *Ampullariella digitata* (basonym). Synonym links through N4Lid: 10.1601/ex.6552. Source of type material

recommended for DOE sponsored genome sequencing by the JGI: ATCC 15349. High-quality 16S rRNA sequence S000383150 (RDP), AB037000 (Genbank). N4Lid DOI: 10.1601/nm.6552

† *Ampullariella digitata*^{AL} (Couch 1963) Couch 1964. ==> *Actinoplanes digitatis* (new combination). Synonym links through N4Lid: 10.1601/ex.6552. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15349. High-quality 16S rRNA sequence S000383150 (RDP), AB037000 (Genbank). N4Lid 10.1601/nm.9021

Actinoplanes durhamensis^{VP} Goodfellow et al. 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49800. High-quality 16S rRNA sequence S000383151 (RDP), AB037001 (Genbank). N4Lid DOI: 10.1601/nm.6553

Actinoplanes ferrugineus^{AL} Palleroni 1979. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29868. High-quality 16S rRNA sequence S000383152 (RDP), AB037002 (Genbank). N4Lid DOI: 10.1601/nm.6554

Actinoplanes friuliensis^{VP} Aretz et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 7358. N4Lid DOI: 10.1601/nm.6555

Actinoplanes globisporus^{VP} (Thiemann 1967) Stackebrandt and Kroppenstedt 1988. <== *Amorphosporangium globisporum* (basonym). Synonym links through N4Lid: 10.1601/ex.6556. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23056. High-quality 16S rRNA sequence S000383153 (RDP), AB037003 (Genbank). N4Lid DOI: 10.1601/nm.6556

† *Amorphosporangium globisporum*^{AL} Thiemann 1967. ==> *Actinoplanes globisporus* (new combination). Synonym links through N4Lid: 10.1601/ex.6556. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23056. High-quality 16S rRNA sequence S000383153 (RDP), AB037003 (Genbank). N4Lid 10.1601/nm.9032

Actinoplanes humidus^{VP} Goodfellow et al. 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49801. High-quality 16S rRNA sequence S000383154 (RDP), AB037004 (Genbank). N4Lid DOI: 10.1601/nm.6557

Actinoplanes italicus^{AL} Beretta 1973. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27366. High-quality 16S rRNA sequence S000383155 (RDP), AB037005 (Genbank). N4Lid DOI: 10.1601/nm.6558

Actinoplanes liguriensis^{VP} Wink et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31048. N4Lid DOI: 10.1601/nm.10272

Actinoplanes lobatus^{VP} (Couch 1963) Stackebrandt and Kroppenstedt 1988. <== *Ampullariella lobata* (basonym). Synonym links through N4Lid: 10.1601/ex.6559. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15350. High-quality 16S rRNA sequence S000383156 (RDP), AB037006 (Genbank). N4Lid DOI: 10.1601/nm.6559

† *Ampullariella lobata*^{AL} (Couch 1963) Couch 1964. ==> *Actinoplanes lobatus* (new combination). Synonym links through N4Lid: 10.1601/ex.6559. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15350. High-quality 16S rRNA sequence S000383156 (RDP), AB037006 (Genbank). N4Lid 10.1601/nm.9022

Actinoplanes missouriensis^{AL} Couch 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14538. High-quality 16S rRNA sequence S000383158 (RDP), AB037008 (Genbank). GOLD ID: Gi01852. GCAT ID: 000846_GCAT. Sequenced strain: NBRC 13243 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.6561

Actinoplanes palleronii^{VP} Goodfellow et al. 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49797. High-quality 16S rRNA sequence S000383159 (RDP), AB037009 (Genbank). N4Lid DOI: 10.1601/nm.6562

Actinoplanes rectilineatus^{AL} Lechevalier and Lechevalier 1975. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29234. High-quality 16S rRNA sequence S000383160 (RDP), AB037010 (Genbank). N4Lid DOI: 10.1601/nm.6563

Actinoplanes regularis^{VP} (Couch 1963) Stackebrandt and Kroppenstedt 1988. <== *Ampullariella regularis* (basonym). Synonym links through N4Lid: 10.1601/ex.6564. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-3347. High-quality 16S rRNA sequence S000381378 (RDP), X93188 (Genbank). N4Lid DOI: 10.1601/nm.6564

- † *Ampullariella regularis*^{AL} (Couch 1963) Couch 1964. ==> *Actinoplanes regularis* (new combination). Synonym links through N4Lid: 10.1601/ex.6564. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-3347. High-quality 16S rRNA sequence S000381378 (RDP), X93188 (Genbank). N4Lid 10.1601/nm.9023
- Actinoplanes teichomyceticus*^{VP} Wink et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16726. High-quality 16S rRNA sequence S000440857 (RDP), AJ865472 (Genbank). N4Lid DOI: 10.1601/nm.10273
- Actinoplanes utahensis*^{AL} Couch 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14539. High-quality 16S rRNA sequence S000383162 (RDP), AB037012 (Genbank). N4Lid DOI: 10.1601/nm.6565
- Genus † *Amorphosporangium*^{AL} Couch 1963. Unified with *Actinoplanes*, links through 10.1601/nm.5808. N4Lid 10.1601/nm.9014
- Genus † *Ampullariella*^{AL} Couch 1964. Unified with *Actinoplanes*, links through 10.1601/nm.5808. N4Lid 10.1601/nm.9019
- Genus *Asanoa*^{VP} Lee and Hah 2002. N4Lid DOI: 10.1601/nm.6566
- Asanoa ferruginea*^{VP} (Asano and Kawamoto 1986) Lee and Hah 2002. <== *Catellatospora ferruginea* (basonym). Synonym links through N4Lid: 10.1601/ex.6572. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49966. High-quality 16S rRNA sequence S000381389 (RDP), X93199 (Genbank). N4Lid DOI: 10.1601/nm.6567
- † *Catellatospora ferruginea*^{VP} Asano and Kawamoto 1986. ==> *Asanoa ferruginea* (new combination). Synonym links through N4Lid: 10.1601/ex.6572. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16430. N4Lid DOI: 10.1601/nm.6572
- Asanoa iriomotensis*^{VP} Tamura and Sakane 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44745. High-quality 16S rRNA sequence S000495940 (RDP), AB112081 (Genbank). N4Lid 10.1601/nm.9317
- Asanoa ishikariensis*^{VP} Lee and Hah 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 14551. High-quality 16S rRNA sequence S000245823 (RDP), AJ294715 (Genbank). N4Lid DOI: 10.1601/nm.6568
- Genus *Catellatospora*^{VP} Asano and Kawamoto 1986. N4Lid DOI: 10.1601/nm.6569
- Catellatospora citrea subsp. citrea*^{VP} Asano and Kawamoto 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49964. High-quality 16S rRNA sequence S000381387 (RDP), X93197 (Genbank). N4Lid DOI: 10.1601/nm.6570
- Catellatospora chokoriensis*^{VP} Ara and Kudo 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44900. High-quality 16S rRNA sequence S000470086 (RDP), AB200231 (Genbank). N4Lid 10.1601/nm.9869
- Catellatospora bangladeshensis*^{VP} Ara and Kudo 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44899. High-quality 16S rRNA sequence S000470088 (RDP), AB200233 (Genbank). N4Lid 10.1601/nm.9871
- Catellatospora coxensis*^{VP} Ara and Kudo 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44901. High-quality 16S rRNA sequence S000470087 (RDP), AB200232 (Genbank). N4Lid 10.1601/nm.9870
- Catellatospora koreensis*^{VP} Lee et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44566. High-quality 16S rRNA sequence S000388556 (RDP), AF171700 (Genbank). N4Lid DOI: 10.1601/nm.6573
- Catellatospora methionotrophica*^{VP} (Asano and Kawamoto 1988) Ara and Kudo 2006. <== *Catellatospora citrea subsp. methionotrophica* (basonym). Synonym links through N4Lid: 10.1601/ex.6571. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44098. High-quality 16S rRNA sequence S000388242 (RDP), AF152107 (Genbank). N4Lid 10.1601/nm.9778
- † *Catellatospora citrea subsp. methionotrophica*^{VP} Asano and Kawamoto 1988. ==> *Catellatospora methionotrophica* (new combination). Synonym links through N4Lid: 10.1601/ex.6571. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16431. High-quality 16S rRNA sequence S000388242 (RDP), AF152107 (Genbank). N4Lid DOI: 10.1601/nm.6571

Catellatospora tsunoense^{VP} Asano et al. 1989. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49365. High-quality 16S rRNA sequence S000381390 (RDP), X93200 (Genbank). N4Lid DOI: 10.1601/nm.6575

Genus *Catenuloplanes*^{VP} Yokota et al. 1993. N4Lid DOI: 10.1601/nm.6576

Catenuloplanes japonicus^{VP} Yokota et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31637. High-quality 16S rRNA sequence S000440855 (RDP), AJ865470 (Genbank). N4Lid DOI: 10.1601/nm.6577

Catenuloplanes atrovinosus^{VP} Tamura et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700015. N4Lid DOI: 10.1601/nm.6578

Catenuloplanes castaneus^{VP} Tamura et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700016. N4Lid DOI: 10.1601/nm.6579

Catenuloplanes crispus^{VP} (Petrolini et al. 1993) Kudo et al. 1999. <== *Planopolyspora crispata* (basonym). Synonym links through N4Lid: 10.1601/ex.7522. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51431. High-quality 16S rRNA sequence S000382724 (RDP), AB024701 (Genbank). N4Lid DOI: 10.1601/nm.6580

† *Planopolyspora crispata*^{VP} Petrolini et al. 1993. ==> *Catenuloplanes crispus* (new combination). Synonym links through N4Lid: 10.1601/ex.7522. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51431. High-quality 16S rRNA sequence S000382724 (RDP), AB024701 (Genbank). N4Lid DOI: 10.1601/nm.7522

Catenuloplanes indicus^{VP} Tamura et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700014. N4Lid DOI: 10.1601/nm.6581

Catenuloplanes nepalensis^{VP} Tamura et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700017. N4Lid DOI: 10.1601/nm.6582

Catenuloplanes niger^{VP} Tamura et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31638. N4Lid DOI: 10.1601/nm.6583

Genus *Couchioplanes*^{VP} Tamura et al. 1994. N4Lid DOI: 10.1601/nm.6584

Couchioplanes caeruleus subsp. caeruleus^{VP} (Horan and Brodsky 1986) Tamura et al. 1994. <== *Actinoplanes caeruleus* (basonym). Synonym links through N4Lid: 10.1601/ex.6545. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31157. High-quality 16S rRNA sequence S000381392 (RDP), X93202 (Genbank). N4Lid DOI: 10.1601/nm.6585

† *Actinoplanes caeruleus*^{VP} Horan and Brodsky 1986. ==> *Couchioplanes caeruleus subsp. caeruleus* (new combination). Synonym links through N4Lid: 10.1601/ex.6545. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33937. High-quality 16S rRNA sequence S000381392 (RDP), X93202 (Genbank). N4Lid DOI: 10.1601/nm.6545

Couchioplanes caeruleus subsp. azureus^{VP} Tamura et al. 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31157. N4Lid DOI: 10.1601/nm.6586

Genus *Dactylosporangium*^{VP} Thiemann et al. 1967. N4Lid DOI: 10.1601/nm.6587

Dactylosporangium aurantiacum^{AL} Thiemann et al. 1967. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23491. High-quality 16S rRNA sequence S000437939 (RDP), U58528 (Genbank). N4Lid DOI: 10.1601/nm.6588

Dactylosporangium fulvum^{VP} Shomura et al. 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43301. High-quality 16S rRNA sequence S000381382 (RDP), X93192 (Genbank). N4Lid DOI: 10.1601/nm.6589

Dactylosporangium matsuzakiense^{VP} Shomura and Niida 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31570. High-quality 16S rRNA sequence S000381383 (RDP), X93193 (Genbank). N4Lid DOI: 10.1601/nm.6590

Dactylosporangium roseum^{VP} Shomura et al. 1985. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16295. High-quality 16S rRNA sequence S000381384 (RDP), X93194 (Genbank). N4Lid DOI: 10.1601/nm.6591

Dactylosporangium thailandense^{AL} Thiemann et al. 1967. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23490. High-quality 16S rRNA sequence S000001974 (RDP), X92630 (Genbank). N4Lid DOI: 10.1601/nm.6592

Dactylosporangium vinaceum^{VP} Shomura et al. 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35207. High-quality 16S rRNA sequence S000381386 (RDP), X93196 (Genbank). N4Lid DOI: 10.1601/nm.6593

Genus *Longispora*^{VP} Matsumoto et al. 2003. N4Lid DOI: 10.1601/nm.6594

Longispora albida^{VP} Matsumoto et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24201. High-quality 16S rRNA sequence S000439485 (RDP), AB089241 (Genbank). N4Lid DOI: 10.1601/nm.6595

Genus *Polymorphospora*^{VP} Tamura et al. 2006. N4Lid DOI: 10.1601/nm.10220

Polymorphospora rubra^{VP} Tamura et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44947. High-quality 16S rRNA sequence S000652639 (RDP), AB223089 (Genbank). N4Lid DOI: 10.1601/nm.10219

Genus *Pilimelia*^{AL} Kane 1966. N4Lid DOI: 10.1601/nm.6596

Pilimelia terevasa^{AL} Kane 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25603. High-quality 16S rRNA sequence S000381380 (RDP), X93190 (Genbank). N4Lid DOI: 10.1601/nm.6597

Pilimelia anulata^{AL} Kane 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25604. High-quality 16S rRNA sequence S000381379 (RDP), X93189 (Genbank). N4Lid DOI: 10.1601/nm.6598

Pilimelia columellifera subsp. *pallida*^{VP} (ex Schäfer 1973) Vobis et al. 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43729. N4Lid DOI: 10.1601/nm.6599

Pilimelia columellifera subsp. *columellifera*^{VP} (ex Schäfer 1973) Vobis et al. 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43728. N4Lid DOI: 10.1601/nm.6600

Genus *Salinispora*^{VP} Maldonado et al. 2005. N4Lid 10.1601/nm.9671

Salinispora arenicola^{VP} Maldonado et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-917. High-quality 16S rRNA sequence AY371897 (RDP), AY371897 (Genbank). GOLD ID: Gi01033. GCAT ID: 001440_GCAT. Entrez genome id: 15700. Sequenced strain: ATCC BAA-917 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 2 (GOLD) 2 (NCBI). N4Lid 10.1601/nm.9567

Salinispora tropica^{VP} Maldonado et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-916. High-quality 16S rRNA sequence S000644984 (RDP), AY371895 (Genbank). GOLD ID: Gi01034. GCAT ID: 001442_GCAT. Entrez genome id: 16342. Sequenced strain: ATCC BAA-916 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 2 (GOLD) 2 (NCBI). N4Lid 10.1601/nm.9670

Genus *Spirilliplanes*^{VP} Tamura et al. 1997. N4Lid DOI: 10.1601/nm.6601

Spirilliplanes yamanashiensis^{VP} Tamura et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44325. High-quality 16S rRNA sequence S000435821 (RDP), D63912 (Genbank). N4Lid DOI: 10.1601/nm.6602

Genus *Verrucosipora*^{VP} Rheims et al. 1998. N4Lid DOI: 10.1601/nm.6603

Verrucosipora gifhornensis^{VP} Rheims et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44337. High-quality 16S rRNA sequence S000014990 (RDP), Y15523 (Genbank). N4Lid DOI: 10.1601/nm.6604

Genus *Virgisporangium*^{VP} corrig. Tamura et al. 2001. N4Lid DOI: 10.1601/nm.6605

Virgisporangium ochraceum^{VP} corrig. Tamura et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-484. High-quality 16S rRNA sequence S000007128 (RDP), AB006167 (Genbank). N4Lid DOI: 10.1601/nm.6606

Virgisporangium aurantiacum^{VP} corrig. Tamura et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CIP 107212. High-quality 16S rRNA sequence S000007486 (RDP), AB006169 (Genbank). N4Lid DOI: 10.1601/nm.6607

Suborder *Propionibacterineae*^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.6608

Family *Propionibacteriaceae*^{AL} Delwiche 1957. N4Lid DOI: 10.1601/nm.6609

Genus *Propionibacterium*^{AL} Orla-Jensen 1909. N4Lid DOI: 10.1601/nm.6610

Propionibacterium freudenreichii subsp. *freudenreichii*^{AL} (van Niel 1928) Moore and Holdeman 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6207. High-quality 16S rRNA sequence S000127765 (RDP), X53217 (Genbank). GOLD ID: Gi00483. GCAT ID: 001374_GCAT. Genome sequence is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.6611

Propionibacterium freudenreichii subsp. *shermanii*^{AL} (van Niel 1928) Holdeman and Moore 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 9614. GOLD ID: Gi00772. GCAT ID: 001375_GCAT. Entrez genome id: 16705. Sequenced strain: CIP 103027 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6612

Propionibacterium acidipropionici^{AL} corrig. Orla-Jensen 1909. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25562. High-quality 16S rRNA sequence S000352749 (RDP), AJ704569 (Genbank). N4Lid DOI: 10.1601/nm.6613

Propionibacterium acnes^{AL} (sic) (Gilchrist 1900) Douglas and Gunter 1946. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6919. High-quality 16S rRNA sequence S000129985 (RDP), X53218 (Genbank). GOLD ID: Gc00204. GCAT ID: 000406_GCAT. Entrez genome id: 12460. Sequenced strain: DSM 16379 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 2 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6614

Propionibacterium australiense^{VP} Bernard et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-264. High-quality 16S rRNA sequence S000389478 (RDP), AF225962 (Genbank). N4Lid DOI: 10.1601/nm.6615

Propionibacterium avidum^{AL} (Eggerth 1935) Moore and Holdeman 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25577. High-quality 16S rRNA sequence S000011985 (RDP), AJ003055 (Genbank). N4Lid DOI: 10.1601/nm.6616

Propionibacterium cyclohexanicum^{VP} Kusano et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700429. High-quality 16S rRNA sequence S000413950 (RDP), D82046 (Genbank). N4Lid DOI: 10.1601/nm.6617

Propionibacterium granulosum^{AL} (Prévot 1938) Moore and Holdeman 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25564. High-quality 16S rRNA sequence S000008182 (RDP), AJ003057 (Genbank). N4Lid DOI: 10.1601/nm.6618

Propionibacterium jensenii^{AL} van Niel 1928. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 4868. High-quality 16S rRNA sequence S000352751 (RDP), AJ704571 (Genbank). N4Lid DOI: 10.1601/nm.6620

Propionibacterium microaerophilum^{VP} Koussémon et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 13435. High-quality 16S rRNA sequence S000389739 (RDP), AF234623 (Genbank). N4Lid DOI: 10.1601/nm.6622

Propionibacterium propionicum^{VP} corrig. (Buchanan and Pine 1962) Charfreitag et al. 1988. <=> *Arachnia propionica* (basonym). Synonym links through N4Lid: 10.1601/ex.6623. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14157. High-quality 16S rRNA sequence S000008544 (RDP), AJ003058 (Genbank). N4Lid DOI: 10.1601/nm.6623

† *Arachnia propionica*^{AL} (Buchanan and Pine 1962) Pine and Georg 1969. ==> *Propionibacterium propionicum* (new combination). Synonym links through N4Lid: 10.1601/ex.6623. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14157. High-quality 16S rRNA sequence S000008544 (RDP), AJ003058 (Genbank). N4Lid 10.1601/nm.9042

Propionibacterium thoenii^{AL} van Niel 1928. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 4874. High-quality 16S rRNA sequence S000128363 (RDP), X53220 (Genbank). N4Lid DOI: 10.1601/nm.6624

Genus † *Arachnia*^{AL} Pine and Georg 1969. Unified with *Propionibacterium*, links through 10.1601/nm.2043. N4Lid 10.1601/nm.9041

Genus *Brooklawnia*^{VP} Rainey et al. 2006. N4Lid DOI: 10.1601/nm.10224

Brooklawnia cerclae^{VP} Rainey et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-41418. High-quality 16S rRNA sequence S000721563 (RDP), DQ196625 (Genbank). N4Lid DOI: 10.1601/nm.10223

Genus *Jiangella*^{VP} Song et al. 2005. N4Lid 10.1601/nm.9333

Jiangella gansuensis^{VP} Song et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44835. High-quality 16S rRNA sequence S000504628 (RDP), AY631071 (Genbank). N4Lid 10.1601/nm.9332

Genus *Luteococcus*^{VP} Tamura et al. 1994. N4Lid DOI: 10.1601/nm.6625

Luteococcus japonicus^{VP} Tamura et al. 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51526. High-quality 16S rRNA sequence S000012735 (RDP), Z78208 (Genbank). N4Lid DOI: 10.1601/nm.6626

Luteococcus peritonei^{VP} Collins et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-60. High-quality 16S rRNA sequence S000009652 (RDP), AJ132334 (Genbank). N4Lid DOI: 10.1601/nm.6627

Luteococcus sanguinis^{VP} Collins et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCUG 33897. High-quality 16S rRNA sequence S000251745 (RDP), AJ416758 (Genbank). N4Lid DOI: 10.1601/nm.6628

Genus *Micrococcus*^{VP} Nakamura et al. 1995. N4Lid DOI: 10.1601/nm.6629

Micrococcus phosphovorus^{VP} Nakamura et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700054. High-quality 16S rRNA sequence S000005880 (RDP), Z78207 (Genbank). GOLD ID: Gi01850. GCAT ID: 000844_GCAT. Sequenced strain: NM-1 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.6630

Genus *Propioniferax*^{VP} Yokota et al. 1994. N4Lid DOI: 10.1601/nm.6631

Propioniferax innocua^{VP} (Pitcher and Collins 1992) Yokota et al. 1994. <== *Propionibacterium innocuum* (basonym). Synonym links through N4Lid: 10.1601/ex.6619. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49929. High-quality 16S rRNA sequence S000389523 (RDP), AF227165 (Genbank). N4Lid DOI: 10.1601/nm.6632

† *Propionibacterium innocuum*^{VP} Pitcher and Collins 1992. ==> *Propioniferax innocua* (new combination). Synonym links through N4Lid: 10.1601/ex.6619. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49929. High-quality 16S rRNA sequence S000389523 (RDP), AF227165 (Genbank). N4Lid DOI: 10.1601/nm.6619

Genus *Propionimicrobium*^{VP} Stackebrandt et al. 2002. N4Lid DOI: 10.1601/nm.6633

Propionimicrobium lymphophilum^{VP} (Torrey 1916) Stackebrandt et al. 2002. <== *Propionibacterium lymphophilum* (basonym). Synonym links through N4Lid: 10.1601/ex.6621. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27520. High-quality 16S rRNA sequence S000009280 (RDP), AJ003056 (Genbank). N4Lid DOI: 10.1601/nm.6634

† *Propionibacterium lymphophilum*^{AL} (Torrey 1916) Johnson and Cummins 1972. ==> *Propionimicrobium lymphophilum* (new combination). Synonym links through N4Lid: 10.1601/ex.6621. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27520. High-quality 16S rRNA sequence S000009280 (RDP), AJ003056 (Genbank). N4Lid DOI: 10.1601/nm.6621

Genus *Tessaracoccus*^{VP} Maszenan et al. 1999. N4Lid DOI: 10.1601/nm.6635

Tessaracoccus bendigoensis^{VP} Maszenan et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 12906. High-quality 16S rRNA sequence S000427955 (RDP), AF038504 (Genbank). N4Lid DOI: 10.1601/nm.6636

Family *Nocardioidaceae*^{VP} Nesterenko et al. 1990. N4Lid DOI: 10.1601/nm.6637

Genus *Nocardioides*^{AL} Prauser 1976. GOLD ID: Gc00474. GCAT ID: 000135_GCAT. Entrez genome id: 12738. Sequenced strain: JS614 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6638

Nocardioides albus^{AL} Prauser 1976. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27980. High-quality 16S rRNA sequence S000128778 (RDP), X53211 (Genbank). N4Lid DOI: 10.1601/nm.6639

- Nocardioides aestuarii*^{VP} Yi and Chun 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12125. High-quality 16S rRNA sequence S000485111 (RDP), AY423719 (Genbank). N4Lid 10.1601/nm.8743
- Nocardioides alkalitolerans*^{VP} Yoon et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16699. High-quality 16S rRNA sequence S000504666 (RDP), AY633969 (Genbank). N4Lid 10.1601/nm.9324
- Nocardioides aquaticus*^{VP} Lawson et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-164. N4Lid DOI: 10.1601/nm.6640
- Nocardioides aquiterrae*^{VP} Yoon et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 11813. High-quality 16S rRNA sequence S000431608 (RDP), AF529063 (Genbank). N4Lid DOI: 10.1601/nm.6641
- Nocardioides aromaticivorans*^{VP} Kubota et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15131. High-quality 16S rRNA sequence S000495764 (RDP), AB087721 (Genbank). N4Lid 10.1601/nm.9400
- Nocardioides dubius*^{VP} Yoon et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 13008. High-quality 16S rRNA sequence S000511617 (RDP), AY928902 (Genbank). N4Lid 10.1601/nm.9610
- Nocardioides ganghwensis*^{VP} Yi and Chun 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12124. High-quality 16S rRNA sequence S000368741 (RDP), AY423718 (Genbank). N4Lid 10.1601/nm.8744
- Nocardioides jensenii*^{VP} (Suzuki and Komagata 1983) Collins et al. 1989. <== *Pimelobacter jensenii* (basonym). Synonym links through N4Lid: 10.1601/ex.6643. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49810. High-quality 16S rRNA sequence S000005888 (RDP), Z78210 (Genbank). N4Lid DOI: 10.1601/nm.6643
- † *Pimelobacter jensenii*^{VP} Suzuki and Komagata 1983. ==> *Nocardioides jensenii* (new combination). Synonym links through N4Lid: 10.1601/ex.6643. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49810. High-quality 16S rRNA sequence S000005888 (RDP), Z78210 (Genbank). N4Lid 10.1601/nm.9112
- Nocardioides kongjuensis*^{VP} Yoon et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12609. High-quality 16S rRNA sequence S000614517 (RDP), DQ218275 (Genbank). N4Lid DOI: 10.1601/nm.10211
- Nocardioides kribbensis*^{VP} Yoon et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16314. High-quality 16S rRNA sequence S000550079 (RDP), AY835924 (Genbank). N4Lid 10.1601/nm.9500
- Nocardioides lentus*^{VP} Yoon et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16315. High-quality 16S rRNA sequence S000584768 (RDP), DQ121389 (Genbank). N4Lid 10.1601/nm.9825
- Nocardioides luteus*^{VP} Prauser 1985. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43052. High-quality 16S rRNA sequence S000129425 (RDP), X53212 (Genbank). N4Lid DOI: 10.1601/nm.6644
- Nocardioides nitrophenolicus*^{VP} Yoon et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CIP 107017. High-quality 16S rRNA sequence S000386949 (RDP), AF005024 (Genbank). N4Lid DOI: 10.1601/nm.6645
- Nocardioides oleivorans*^{VP} Schippers et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16090. High-quality 16S rRNA sequence S000570460 (RDP), AJ698724 (Genbank). N4Lid 10.1601/nm.9494
- Nocardioides plantarum*^{VP} Collins et al. 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51889. High-quality 16S rRNA sequence S000007350 (RDP), Z78211 (Genbank). N4Lid DOI: 10.1601/nm.6646
- Nocardioides pyridinolyticus*^{VP} Yoon et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CIP 106800. N4Lid DOI: 10.1601/nm.6647
- Pimelobacter simplex*^{VP} (Jensen 1934) Suzuki and Komagata 1983. <== *Arthrobacter simplex* (basonym). Synonym links through N4Lid: 10.1601/ex.5874. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6946. N4Lid 10.1601/nm.9113

Nocardioides simplex^{VP} (Jensen 1934) O'Donnell et al. 1983. == *Arthrobacter simplex* (earlier homotypic synonym), links through 10.1601/ex.5874. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6946. N4Lid DOI: 10.1601/nm.6648

† *Arthrobacter simplex*^{AL} (Jensen 1934) Lochhead 1957. ==> *Pimelobacter simplex* (new combination). Synonym links through N4Lid: 10.1601/ex.5874. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6946. N4Lid DOI: 10.1601/nm.5874

Genus † *Pimelobacter*^{VP} Suzuki and Komagata 1983. Homotype. *Pimelobacter*. Synonym links through N4Lid: 10.1601/nm.9111. N4Lid 10.1601/nm.9111

Genus *Aeromicrobium*^{VP} Miller et al. 1991. N4Lid DOI: 10.1601/nm.6649

Aeromicrobium erythreum^{VP} Miller et al. 1991. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51598. High-quality 16S rRNA sequence S000386946 (RDP), AF005021 (Genbank). N4Lid DOI: 10.1601/nm.6650

Aeromicrobium alkaliterrae^{VP} Yoon et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16824. High-quality 16S rRNA sequence S000456451 (RDP), AY822044 (Genbank). N4Lid 10.1601/nm.9606

Aeromicrobium fastidiosum^{VP} (Collins and Stackebrandt 1989) Tamura and Yokota 1994. <== *Nocardioides fastidiosus* (basonym). Synonym links through N4Lid: 10.1601/ex.6642. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49363. High-quality 16S rRNA sequence S000000010 (RDP), Z78209 (Genbank). N4Lid DOI: 10.1601/nm.6651

† *Nocardioides fastidiosus*^{VP} corrig. Collins and Stackebrandt 1989. ==> *Aeromicrobium fastidiosum* (new combination). Synonym links through N4Lid: 10.1601/ex.6642. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49363. High-quality 16S rRNA sequence S000000010 (RDP), Z78209 (Genbank). N4Lid DOI: 10.1601/nm.6642

Aeromicrobium marinum^{VP} Bruns et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15272. High-quality 16S rRNA sequence S000399365 (RDP), AY166703 (Genbank). N4Lid DOI: 10.1601/nm.6652

Genus *Actinopolymorpha*^{VP} Wang et al. 2001. N4Lid DOI: 10.1601/nm.6653

Actinopolymorpha singaporensis^{VP} Wang et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24113. High-quality 16S rRNA sequence S000389812 (RDP), AF237815 (Genbank). N4Lid DOI: 10.1601/nm.6654

Genus *Friedmanniella*^{VP} Schumann et al. 1997. N4Lid DOI: 10.1601/nm.6655

Friedmanniella antarctica^{VP} Schumann et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 11053. High-quality 16S rRNA sequence S000016909 (RDP), Z78206 (Genbank). N4Lid DOI: 10.1601/nm.6656

Friedmanniella capsulata^{VP} Maszenan et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 12936. High-quality 16S rRNA sequence S000428654 (RDP), AF084529 (Genbank). N4Lid DOI: 10.1601/nm.6657

Friedmanniella lacustris^{VP} Lawson et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-165. High-quality 16S rRNA sequence S000128260 (RDP), AJ132943 (Genbank). N4Lid DOI: 10.1601/nm.6658

Friedmanniella spumicola^{VP} Maszenan et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ACM 5121. High-quality 16S rRNA sequence S000428263 (RDP), AF062535 (Genbank). N4Lid DOI: 10.1601/nm.6659

Genus † *Hongia*^{VP} Lee et al. 2000. ≈ *Kribbella* (earlier heterotypic synonym), links through 10.1601/nm.6662. N4Lid DOI: 10.1601/nm.6660

Genus *Kribbella*^{VP} Park et al. 1999. ≈ *Kribbella* (later heterotypic synonym), links through 10.1601/nm.6662. N4Lid DOI: 10.1601/nm.6662

Kribbella flavida^{VP} Park et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16233. N4Lid DOI: 10.1601/nm.6663

Kribbella alba^{VP} Li et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15500. High-quality 16S rRNA sequence S000435092 (RDP), AY082062 (Genbank). N4Lid DOI: 10.1601/nm.10195

Kribbella antibiotica^{VP} Li et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15501. High-quality 16S rRNA sequence S000435093 (RDP), AY082063 (Genbank). N4Lid 10.1601/nm.8650

Kribbella jejuensis^{VP} Song et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12204. High-quality 16S rRNA sequence S000368133 (RDP), AY253866 (Genbank). N4Lid 10.1601/nm.8651

Kribbella karonensis^{VP} Kirby et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24425. High-quality 16S rRNA sequence S000528091 (RDP), AY995146 (Genbank). N4Lid DOI: 10.1601/nm.10029

Kribbella koreensis^{VP} (Lee et al. 2000) Sohn et al. 2003. <== *Hongia koreensis* (basonym). Synonym links through N4Lid: 10.1601/ex.6661. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 10977. High-quality 16S rRNA sequence S000006178 (RDP), Y09159 (Genbank). N4Lid DOI: 10.1601/nm.6664

† *Hongia koreensis*^{VP} Lee et al. 2000. ==> *Kribbella koreensis* (new combination). Synonym links through N4Lid: 10.1601/ex.6661. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 10977. High-quality 16S rRNA sequence S000006178 (RDP), Y09159 (Genbank). N4Lid DOI: 10.1601/nm.6661

Kribbella lupini^{VP} Trujillo et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 16683. High-quality 16S rRNA sequence S000459607 (RDP), AJ811962 (Genbank). N4Lid 10.1601/nm.9874

Kribbella sandramycini^{VP} Park et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 39419. High-quality 16S rRNA sequence S000386945 (RDP), AF005020 (Genbank). N4Lid DOI: 10.1601/nm.6665

Kribbella solani^{VP} Song et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12205. High-quality 16S rRNA sequence S000368129 (RDP), AY253862 (Genbank). N4Lid 10.1601/nm.8652

Kribbella swartbergensis^{VP} Kirby et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24426. High-quality 16S rRNA sequence S000528092 (RDP), AY995147 (Genbank). N4Lid DOI: 10.1601/nm.10028

Kribbella yunnanensis^{VP} Li et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15499. High-quality 16S rRNA sequence S000435091 (RDP), AY082061 (Genbank). N4Lid DOI: 10.1601/nm.10196

Genus *Micropruina*^{VP} Shintani et al. 2000. N4Lid DOI: 10.1601/nm.6666

Micropruina glycogenica^{VP} Shintani et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 10248. High-quality 16S rRNA sequence S000382143 (RDP), AB012607 (Genbank). N4Lid DOI: 10.1601/nm.6667

Genus *Marmoricola*^{VP} Urzi et al. 2000. N4Lid DOI: 10.1601/nm.6668

Marmoricola aurantiacus^{VP} Urzi et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 12652. High-quality 16S rRNA sequence S000021172 (RDP), Y18629 (Genbank). N4Lid DOI: 10.1601/nm.6669

Genus *Propionicimonas*^{VP} Akasaka et al. 2003. N4Lid DOI: 10.1601/nm.6670

Propionicimonas paludicola^{VP} Akasaka et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 15597. High-quality 16S rRNA sequence S000384783 (RDP), AB078858 (Genbank). N4Lid DOI: 10.1601/nm.6671

Genus *Propionicicella*^{VP} Bae et al. 2006. N4Lid DOI: 10.1601/nm.10327

Propionicicella superfundia^{VP} Bae et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-1218. High-quality 16S rRNA sequence S000711767 (RDP), DQ176646 (Genbank). N4Lid DOI: 10.1601/nm.10326

Suborder *Pseudonocardineae*^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.6672

Family *Pseudonocardiaceae*^{VP} Embley et al 1989. N4Lid DOI: 10.1601/nm.6673

Genus *Pseudonocardia*^{AL} Henssen 1957. N4Lid DOI: 10.1601/nm.6674

- Pseudonocardia thermophila*^{AL} Henssen 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19285. High-quality 16S rRNA sequence S000133640 (RDP), X53195 (Genbank). N4Lid DOI: 10.1601/nm.6675
- Pseudonocardia alaniniphila*^{VP} (Xu et al. 1999) Huang et al. 2002. <== *Actinobispora alaniniphila* (basonym). Synonym links through N4Lid: 10.1601/ex.7729. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44660. High-quality 16S rRNA sequence S000428176 (RDP), AF056708 (Genbank). N4Lid DOI: 10.1601/nm.6676
- † *Actinobispora alaniniphila*^{VP} Xu et al. 1999. ==> *Pseudonocardia alaniniphila* (new combination). Synonym links through N4Lid: 10.1601/ex.7729. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44660. High-quality 16S rRNA sequence S000428176 (RDP), AF056708 (Genbank). N4Lid DOI: 10.1601/nm.7729
- Pseudonocardia alni*^{VP} (Evtushenko et al. 1989) Warwick et al. 1994. <== *Amycolata alni* (basonym). Synonym links through N4Lid: 10.1601/ex.6677. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44104. High-quality 16S rRNA sequence S000128874 (RDP), X76954 (Genbank). N4Lid DOI: 10.1601/nm.6677
- † *Amycolata alni*^{VP} Evtushenko et al. 1989. ==> *Pseudonocardia alni* (new combination). Synonym links through N4Lid: 10.1601/ex.6677. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44104. High-quality 16S rRNA sequence S000128874 (RDP), X76954 (Genbank). N4Lid 10.1601/nm.9156
- Pseudonocardia ammonioxydans*^{VP} Liu et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12462. High-quality 16S rRNA sequence S000261879 (RDP), AY500143 (Genbank). N4Lid 10.1601/nm.9924
- Pseudonocardia antarctica*^{VP} Prabaha et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44749. High-quality 16S rRNA sequence S000323576 (RDP), AJ576010 (Genbank). N4Lid 10.1601/nm.8798
- Pseudonocardia asaccharolytica*^{VP} Reichert et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44247. High-quality 16S rRNA sequence S000008537 (RDP), Y08536 (Genbank). N4Lid DOI: 10.1601/nm.6678
- Pseudonocardia aurantiaca*^{VP} (Xu et al. 1999) Huang et al. 2002. <== *Actinobispora aurantiaca* (basonym). Synonym links through N4Lid: 10.1601/ex.7730. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 11838. High-quality 16S rRNA sequence S000428175 (RDP), AF056707 (Genbank). N4Lid DOI: 10.1601/nm.6679
- † *Actinobispora aurantiaca*^{VP} Xu et al. 1999. ==> *Pseudonocardia aurantiaca* (new combination). Synonym links through N4Lid: 10.1601/ex.7730. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 11838. High-quality 16S rRNA sequence S000428175 (RDP), AF056707 (Genbank). N4Lid DOI: 10.1601/nm.7730
- Pseudonocardia autotrophica*^{VP} (Takamiya and Tubaki 1956) Warwick et al. 1994. <== *Nocardia autotrophica* (basonym). Synonym links through N4Lid: 10.1601/ex.6424. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19727. High-quality 16S rRNA sequence S000129514 (RDP), X54288 (Genbank). N4Lid DOI: 10.1601/nm.6680
- Amycolata autotrophica*^{VP} (Takamiya and Tubaki 1956) Lechevalier et al. 1986. <== *Nocardia autotrophica* (basonym). *Pseudonocardia autotrophica* (new combination). Synonym links through N4Lid: 10.1601/ex.6424. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19727. High-quality 16S rRNA sequence S000129514 (RDP), X54288 (Genbank). N4Lid 10.1601/nm.9139
- † *Nocardia autotrophica*^{AL} (Takamiya and Tubaki 1956) Hirsch 1961. ==> *Amycolata autotrophica* (new combination). Synonym links through N4Lid: 10.1601/ex.6424. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19727. High-quality 16S rRNA sequence S000129514 (RDP), X54288 (Genbank). N4Lid DOI: 10.1601/nm.6424
- Pseudonocardia benzenivorans*^{VP} Kämpfer and Kroppenstedt 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44703. High-quality 16S rRNA sequence S000366468 (RDP), AJ556156 (Genbank). N4Lid 10.1601/nm.8942

Pseudonocardia chloroethenivorans^{VP} Lee et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-742. High-quality 16S rRNA sequence S000394405 (RDP), AF454510 (Genbank). N4Lid DOI: 10.1601/nm.6682

Pseudonocardia compacta^{VP} Henssen et al. 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35407. High-quality 16S rRNA sequence S000126975 (RDP), X76959 (Genbank). N4Lid DOI: 10.1601/nm.6683

Pseudonocardia dioxanivorans^{VP} Mahendra and Alvarez-Cohen 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 55486. High-quality 16S rRNA sequence S000501392 (RDP), AY340622 (Genbank). N4Lid 10.1601/nm.9304

Pseudonocardia halophobica^{VP} (Akimov et al. 1989) McVeigh et al. 1994. <==
Pseudoamycolata halophobica (basonym). Synonym links through N4Lid: 10.1601/ex.6684.
Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51535. High-quality 16S rRNA sequence S000011621 (RDP), Y08534 (Genbank). N4Lid DOI: 10.1601/nm.6684

† *Pseudoamycolata halophobica*^{VP} Akimov et al. 1989. ==> *Pseudonocardia halophobica* (new combination). Synonym links through N4Lid: 10.1601/ex.6684. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51535. High-quality 16S rRNA sequence S000011621 (RDP), Y08534 (Genbank). N4Lid 10.1601/nm.9155

Pseudonocardia hydrocarbonoxydans^{VP} (Nolof and Hirsch 1962) Warwick et al. 1994. <==
Nocardia hydrocarbonoxydans (basonym). Synonym links through N4Lid: 10.1601/ex.6685.
Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15104. High-quality 16S rRNA sequence S000128875 (RDP), X76955 (Genbank). N4Lid DOI: 10.1601/nm.6685

† *Amycolata hydrocarbonoxydans*^{VP} (Nolof and Hirsch 1962) Lechevalier et al. 1986. <==
Nocardia hydrocarbonoxydans (basonym). *Pseudonocardia hydrocarbonoxydans* (new combination). Synonym links through N4Lid: 10.1601/ex.6685. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15104. High-quality 16S rRNA sequence S000128875 (RDP), X76955 (Genbank). N4Lid 10.1601/nm.9140

† *Nocardia hydrocarbonoxydans*^{AL} Nolof and Hirsch 1962. ==> *Amycolata hydrocarbonoxydans* (new combination). Synonym links through N4Lid: 10.1601/ex.6685. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15104. N4Lid DOI: 10.1601/nm.6442

Pseudonocardia kongjuensis^{VP} Lee et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44525. High-quality 16S rRNA sequence S000011357 (RDP), AJ252833 (Genbank). N4Lid DOI: 10.1601/nm.6686

Pseudonocardia nitrificans^{VP} (ex Schatz et al. 1954) Warwick et al. 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFAM 379. N4Lid DOI: 10.1601/nm.6687

Pseudonocardia oroxyli^{VP} Gu et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44984. High-quality 16S rRNA sequence S000640728 (RDP), DQ343154 (Genbank). N4Lid DOI: 10.1601/nm.10274

Pseudonocardia petroleophila^{VP} (Hirsch and Engel 1956) Warwick et al. 1994. <== *Nocardia petroleophila* (basonym). Synonym links through N4Lid: 10.1601/ex.6452. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15777. High-quality 16S rRNA sequence S000364352 (RDP), X80596 (Genbank). N4Lid DOI: 10.1601/nm.6688

† *Nocardia petroleophila*^{AL} Hirsch and Engel 1956. ==> *Pseudonocardia petroleophila* (new combination). Synonym links through N4Lid: 10.1601/ex.6452. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15777. High-quality 16S rRNA sequence S000364352 (RDP), X80596 (Genbank). N4Lid DOI: 10.1601/nm.6452

Pseudonocardia saturnea^{VP} (Hirsch 1960) Warwick et al. 1994. <== *Nocardia saturnea* (basonym). Synonym links through N4Lid: 10.1601/ex.6460. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15809. High-quality 16S rRNA sequence S000130092 (RDP), X76956 (Genbank). N4Lid DOI: 10.1601/nm.6689

† *Amycolata saturnea*^{VP} (Hirsch 1960) Lechevalier et al. 1986. <== *Nocardia saturnea* (basonym). *Pseudonocardia saturnea* (new combination). Synonym links through N4Lid:

10.1601/ex.6460. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15809. High-quality 16S rRNA sequence S000130092 (RDP), X76956 (Genbank). N4Lid 10.1601/nm.9141

† *Nocardia saturnea*^{AL} Hirsch 1960. ==> *Amycolata saturnea* (new combination). Synonym links through N4Lid: 10.1601/ex.6460. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15809. High-quality 16S rRNA sequence S000130092 (RDP), X76956 (Genbank). N4Lid DOI: 10.1601/nm.6460

Pseudonocardia spinosa^{AL} Schäfer 1971. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25924. N4Lid DOI: 10.1601/nm.6690

Pseudonocardia spinosipora^{VP} Lee et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24156. High-quality 16S rRNA sequence S000130978 (RDP), AJ249206 (Genbank). N4Lid DOI: 10.1601/nm.6691

Pseudonocardia sulfidoxydans^{VP} Reichert et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44248. High-quality 16S rRNA sequence S000007364 (RDP), Y08537 (Genbank). N4Lid DOI: 10.1601/nm.6692

Pseudonocardia tetrahydrofuranoxydans^{VP} Kämpfer et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44239. High-quality 16S rRNA sequence S000021741 (RDP), AJ249200 (Genbank). N4Lid DOI: 10.1601/nm.10141

Pseudonocardia xinjiangensis^{VP} (Xu et al. 1999) Huang et al. 2002. <== *Actinobispora xinjiangensis* (basonym). Synonym links through N4Lid: 10.1601/ex.7731. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44661. High-quality 16S rRNA sequence S000428177 (RDP), AF056709 (Genbank). N4Lid DOI: 10.1601/nm.6693

† *Actinobispora xinjiangensis*^{VP} Xu et al. 1999. ==> *Pseudonocardia xinjiangensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7731. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44661. High-quality 16S rRNA sequence S000428177 (RDP), AF056709 (Genbank). N4Lid DOI: 10.1601/nm.7731

Pseudonocardia yunnanensis^{VP} (Jiang et al. 1991) Huang et al. 2002. <== *Actinobispora yunnanensis* (basonym). Synonym links through N4Lid: 10.1601/ex.7728. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44253. High-quality 16S rRNA sequence S000428174 (RDP), AF056706 (Genbank). N4Lid DOI: 10.1601/nm.6694

† *Actinobispora yunnanensis*^{VP} Jiang et al. 1991. ==> *Pseudonocardia yunnanensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7728. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44253. High-quality 16S rRNA sequence S000428174 (RDP), AF056706 (Genbank). N4Lid DOI: 10.1601/nm.7728

Pseudonocardia zijingensis^{VP} Huang et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 11117. High-quality 16S rRNA sequence S000391616 (RDP), AF325725 (Genbank). N4Lid DOI: 10.1601/nm.6695

Genus † *Actinobispora*^{VP} Jiang et al. 1991. Unified with *Pseudonocardia*, links through 10.1601/nm.9688. N4Lid DOI: 10.1601/nm.7727

Genus † *Pseudoamycolata*^{VP} Akimov et al. 1989. Unified with *Pseudonocardia*, links through 10.1601/nm.9688. N4Lid 10.1601/nm.9152

Genus *Actinoalloteichus*^{VP} Tamura et al. 2000. N4Lid DOI: 10.1601/nm.6696

Actinoalloteichus cyanogriseus^{VP} Tamura et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16252. High-quality 16S rRNA sequence S000014502 (RDP), AB006178 (Genbank). N4Lid DOI: 10.1601/nm.6697

Actinoalloteichus spitiensis^{VP} Singla et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44848. High-quality 16S rRNA sequence S000419479 (RDP), AY426714 (Genbank). N4Lid 10.1601/nm.9714

Genus *Actinopolyspora*^{AL} Gochnauer et al. 1975. N4Lid DOI: 10.1601/nm.6698

Actinopolyspora halophila^{AL} Gochnauer et al. 1975. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27976. High-quality 16S rRNA sequence S000016009 (RDP), X54287 (Genbank). N4Lid DOI: 10.1601/nm.6699

Actinopolyspora iraqiensis^{VP} Ruan et al. 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44640. N4Lid DOI: 10.1601/nm.6700

Actinopolyspora mortivallis^{VP} Yoshida et al. 1991. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49777. High-quality 16S rRNA sequence S000127044 (RDP), Z22730 (Genbank). N4Lid DOI: 10.1601/nm.6701

Genus † *Amycolata*^{VP} Lechevalier et al. 1986. Unified with *Pseudonocardia*, links through 10.1601/nm.9688. N4Lid 10.1601/nm.9138

Genus *Amycolatopsis*^{VP} Lechevalier et al. 1986. N4Lid DOI: 10.1601/nm.6702

Amycolatopsis orientalis subsp. *orientalis*^{VP} (Pittenger and Brigham 1956) Lechevalier et al. 1986. <== *Nocardia orientalis* (basonym). Synonym links through N4Lid: 10.1601/ex.6449. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19795. High-quality 16S rRNA sequence S000128274 (RDP), X76958 (Genbank). N4Lid DOI: 10.1601/nm.6703

† *Nocardia orientalis*^{AL} (Pittenger and Brigham 1956) Pridham and Lyons 1969. ==> *Amycolatopsis orientalis* subsp. *orientalis* (new combination). Synonym links through N4Lid: 10.1601/ex.6449. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19795. High-quality 16S rRNA sequence S000128274 (RDP), X76958 (Genbank). N4Lid DOI: 10.1601/nm.6449

Amycolatopsis alba^{VP} Mertz and Yao 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51368. High-quality 16S rRNA sequence S000428086 (RDP), AF051340 (Genbank). N4Lid DOI: 10.1601/nm.6705

Amycolatopsis albidoflavus^{VP} Lee and Hah 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 53205. High-quality 16S rRNA sequence S000016191 (RDP), AJ252832 (Genbank). N4Lid DOI: 10.1601/nm.6706

Amycolatopsis azurea^{VP} (Omura et al. 1983) Henssen et al. 1987. <== *Pseudonocardia azurea* (basonym). Synonym links through N4Lid: 10.1601/ex.6681. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51273. High-quality 16S rRNA sequence S000130089 (RDP), X53199 (Genbank). N4Lid DOI: 10.1601/nm.6707

† *Pseudonocardia azurea*^{VP} Omura et al. 1983. ==> *Amycolatopsis azurea* (new combination). Synonym links through N4Lid: 10.1601/ex.6681. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51273. High-quality 16S rRNA sequence S000130089 (RDP), X53199 (Genbank). N4Lid DOI: 10.1601/nm.6681

Amycolatopsis balhimycina^{VP} Wink et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24207. High-quality 16S rRNA sequence S000141304 (RDP), AJ508239 (Genbank). N4Lid DOI: 10.1601/nm.6708

Amycolatopsis benzoatilytica^{VP} Majumdar et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 55165. High-quality 16S rRNA sequence S000515243 (RDP), AY957506 (Genbank). N4Lid 10.1601/nm.9822

Amycolatopsis coloradensis^{VP} Labeda 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 53629. High-quality 16S rRNA sequence S000428087 (RDP), AF051341 (Genbank). N4Lid DOI: 10.1601/nm.6709

Amycolatopsis decaplanina^{VP} Wink et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24209. High-quality 16S rRNA sequence S000263624 (RDP), AJ508237 (Genbank). N4Lid DOI: 10.1601/nm.6711

Amycolatopsis eurytherma^{VP} Kim et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44348. N4Lid DOI: 10.1601/nm.6710

Amycolatopsis fastidiosa^{VP} (ex Celmer et al. 1977) Henssen et al. 1987. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31181. High-quality 16S rRNA sequence S000127664 (RDP), X53200 (Genbank). N4Lid DOI: 10.1601/nm.6712

Amycolatopsis halotolerans^{VP} Lee 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24428. High-quality 16S rRNA sequence S000624677 (RDP), DQ000200 (Genbank). N4Lid 10.1601/nm.9923

Amycolatopsis japonica^{VP} corrig. Goodfellow et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24138. High-quality 16S rRNA sequence S000263623 (RDP), AJ508236 (Genbank). N4Lid DOI: 10.1601/nm.6713

- Amycolatopsis jejuensis*^{VP} Lee 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24427. High-quality 16S rRNA sequence S000624673 (RDP), DQ000196 (Genbank). N4Lid 10.1601/nm.9922
- Amycolatopsis kentuckyensis*^{VP} Labeda et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24129. High-quality 16S rRNA sequence S000400314 (RDP), AY183357 (Genbank). N4Lid DOI: 10.1601/nm.6714
- Amycolatopsis keratiniphila*^{VP} Al-Musallam et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24117. N4Lid DOI: 10.1601/nm.6715
- Amycolatopsis keratiniphila subsp. keratiniphila*^{VP} Al-Musallam et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24117. N4Lid DOI: 10.1601/nm.6716
- Amycolatopsis keratiniphila subsp. nogabecina*^{VP} Wink et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24206. High-quality 16S rRNA sequence S000141303 (RDP), AJ508238 (Genbank). N4Lid DOI: 10.1601/nm.6717
- Amycolatopsis lexingtonensis*^{VP} Labeda et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24131. High-quality 16S rRNA sequence S000400315 (RDP), AY183358 (Genbank). N4Lid 10.1601/nm.9239
- Amycolatopsis lurida*^{VP} (Lechevalier et al. 1986) Stackebrandt et al. 2004. <== *Amycolatopsis orientalis subsp. lurida* (basonym). Synonym links through N4Lid: 10.1601/ex.6704. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14930. High-quality 16S rRNA sequence S000264157 (RDP), AJ577997 (Genbank). N4Lid DOI: 10.1601/nm.6718
- † *Amycolatopsis orientalis subsp. lurida*^{VP} (ex Grundy et al. 1957) Lechevalier et al. 1986. ==> *Amycolatopsis lurida* (new combination). Synonym links through N4Lid: 10.1601/ex.6704. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14930. High-quality 16S rRNA sequence S000264157 (RDP), AJ577997 (Genbank). N4Lid DOI: 10.1601/nm.6704
- Amycolatopsis mediterranei*^{VP} (Margalith and Beretta 1960) Lechevalier et al. 1986. <== *Nocardia mediterranei* (basonym). Synonym links through N4Lid: 10.1601/ex.6445. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13685. High-quality 16S rRNA sequence S000131287 (RDP), X76957 (Genbank). N4Lid DOI: 10.1601/nm.6719
- † *Nocardia mediterranei*^{AL} (Margalith and Beretta 1960) Thiemann et al. 1969. ==> *Amycolatopsis mediterranei* (new combination). Synonym links through N4Lid: 10.1601/ex.6445. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13685. High-quality 16S rRNA sequence S000131287 (RDP), X76957 (Genbank). N4Lid DOI: 10.1601/nm.6445
- Amycolatopsis methanolica*^{VP} de Boer et al. 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24139. High-quality 16S rRNA sequence S000127043 (RDP), X54274 (Genbank). N4Lid DOI: 10.1601/nm.6720
- Amycolatopsis minnesotensis*^{VP} Lee et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24435. High-quality 16S rRNA sequence S000633542 (RDP), DQ076482 (Genbank). N4Lid 10.1601/nm.9824
- Amycolatopsis palatopharyngis*^{VP} Huang et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12460. High-quality 16S rRNA sequence S000395205 (RDP), AF479268 (Genbank). N4Lid DOI: 10.1601/nm.6721
- Amycolatopsis plumensis*^{VP} Saintpierre-Bonaccio et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24324. High-quality 16S rRNA sequence S000134977 (RDP), AY262825 (Genbank). N4Lid 10.1601/nm.9591
- Amycolatopsis pretoriensis*^{VP} Labeda et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24133. High-quality 16S rRNA sequence S000400313 (RDP), AY183356 (Genbank). N4Lid DOI: 10.1601/nm.6722
- Amycolatopsis rifamycinica*^{VP} Bala et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27643. High-quality 16S rRNA sequence S000367551 (RDP), AY083603 (Genbank). N4Lid DOI: 10.1601/nm.8460

Amycolatopsis rubida^{VP} Huang et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-726. High-quality 16S rRNA sequence S000389417 (RDP), AF222022 (Genbank). N4Lid DOI: 10.1601/nm.6723

Amycolatopsis sacchari^{VP} Goodfellow et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44468. High-quality 16S rRNA sequence S000389423 (RDP), AF223354 (Genbank). N4Lid DOI: 10.1601/nm.6725

Amycolatopsis sulphurea^{VP} Lechevalier et al. 1986. == *Nocardia sulphurea* (later homotypic synonym), links through 10.1601/ex.6726. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27624. High-quality 16S rRNA sequence S000428089 (RDP), AF051343 (Genbank). N4Lid DOI: 10.1601/nm.6726

† *Nocardia sulphurea*^{VP} Goodfellow and Lechevalier 1988. == *Amycolatopsis sulphurea* (earlier homotypic synonym), links through 10.1601/ex.6726. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 46092. High-quality 16S rRNA sequence S000428089 (RDP), AF051343 (Genbank). N4Lid DOI: 10.1601/nm.6463

Amycolatopsis taiwanensis^{VP} Tseng et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: KCTC 19116. High-quality 16S rRNA sequence S000600152 (RDP), DQ160215 (Genbank). N4Lid DOI: 10.1601/nm.10215

Amycolatopsis thermoflava^{VP} Chun et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24140. High-quality 16S rRNA sequence S000428093 (RDP), AF052390 (Genbank). N4Lid DOI: 10.1601/nm.6727

Amycolatopsis tolypomycina^{VP} Wink et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24205. High-quality 16S rRNA sequence S000141671 (RDP), AJ508241 (Genbank). N4Lid DOI: 10.1601/nm.6728

Amycolatopsis vancoresmycina^{VP} Wink et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24208. High-quality 16S rRNA sequence S000142184 (RDP), AJ508240 (Genbank). N4Lid DOI: 10.1601/nm.6729

Genus *Crossiella*^{VP} Labeda 2001. N4Lid DOI: 10.1601/nm.6730

Crossiella cryophila^{VP} (Labeda and Lechevalier 1989) Labeda 2001. <== *Saccharothrix cryophilis* (basonym). Synonym links through N4Lid: 10.1601/ex.6804. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51143. High-quality 16S rRNA sequence S000429095 (RDP), AF114806 (Genbank). N4Lid DOI: 10.1601/nm.6731

† *Saccharothrix cryophilis*^{VP} Labeda and Lechevalier 1989. ==> *Crossiella cryophila* (new combination). Synonym links through N4Lid: 10.1601/ex.6804. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51143. High-quality 16S rRNA sequence S000429095 (RDP), AF114806 (Genbank). N4Lid DOI: 10.1601/nm.6804

Crossiella equi^{VP} Donahue et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24104. High-quality 16S rRNA sequence S000498898 (RDP), AF245017 (Genbank). N4Lid DOI: 10.1601/nm.6732

Genus *Kibdelosporangium*^{VP} Shearer et al. 1986. N4Lid DOI: 10.1601/nm.6733

Kibdelosporangium aridum subsp. aridum^{VP} Shearer et al. 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 39323. High-quality 16S rRNA sequence S000011696 (RDP), AJ311174 (Genbank). N4Lid DOI: 10.1601/nm.6734

Kibdelosporangium aridum subsp. largum^{VP} Shearer et al. 1988. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 39922. High-quality 16S rRNA sequence S000095676 (RDP), AJ512463 (Genbank). N4Lid DOI: 10.1601/nm.6735

Kibdelosporangium albatum^{VP} Tomita et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 55061. High-quality 16S rRNA sequence S000091708 (RDP), AJ512462 (Genbank). N4Lid DOI: 10.1601/nm.6736

Kibdelosporangium philippinense^{VP} Mertz and Yao 1988. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49844. High-quality 16S rRNA sequence S000095677 (RDP), AJ512464 (Genbank). N4Lid DOI: 10.1601/nm.6737

Genus *Kutzneria*^{VP} Stackebrandt et al. 1994. N4Lid DOI: 10.1601/nm.6738

Kutzneria viridogrisea^{VP} (Okuda et al. 1966) Stackebrandt et al. 1994. <== *Streptosporangium viridogriseum* (new combination). Synonym links through N4Lid: 10.1601/ex.7445. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25242.

High-quality 16S rRNA sequence S000004582 (RDP), X70429 (Genbank). N4Lid DOI: 10.1601/nm.6739

† *Streptosporangium viridogriseum* subsp. *viridogriseum*^{AL} Okuda et al. 1966. ==> *Kutzneria viridogrisea* (new combination). Synonym links through N4Lid: 10.1601/ex.7445. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25242. High-quality 16S rRNA sequence S000004582 (RDP), X70429 (Genbank). N4Lid DOI: 10.1601/nm.7445

Kutzneria albida^{VP} (Furumai et al. 1968) Stackebrandt et al. 1994. <== *Streptosporangium albidum* (basonym). Synonym links through N4Lid: 10.1601/ex.7430. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25243. N4Lid DOI: 10.1601/nm.6740

† *Streptosporangium albidum*^{AL} Furumai et al. 1968. ==> *Kutzneria albida* (new combination). Synonym links through N4Lid: 10.1601/ex.7430. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25243. N4Lid DOI: 10.1601/nm.7430

Kutzneria kofuensis^{VP} (Nonomura and Ohara 1969) Stackebrandt et al. 1994. <== *Streptosporangium viridogriseum* subsp. *kofuense* (basonym). Synonym links through N4Lid: 10.1601/ex.7446. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27102. N4Lid DOI: 10.1601/nm.6741

† *Streptosporangium viridogriseum* subsp. *kofuense*^{AL} Nonomura and Ohara 1969. ==> *Kutzneria kofuensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7446. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27102. N4Lid DOI: 10.1601/nm.7446

Genus *Prauserella*^{VP} Kim and Goodfellow 1999. N4Lid DOI: 10.1601/nm.6742

Prauserella rugosa^{VP} (Lechevalier et al. 1986) Kim and Goodfellow 1999. <== *Amycolatopsis rugosa* (basonym). Synonym links through N4Lid: 10.1601/ex.6724. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43014. High-quality 16S rRNA sequence S000428088 (RDP), AF051342 (Genbank). N4Lid DOI: 10.1601/nm.6743

† *Nocardia rugosa*^{VP} (ex di Marco and Spalla 1957) Goodfellow and Lechevalier 1988. ≈ *Prauserella rugosa* (earlier heterotypic synonym), links through 10.1601/nm.6743. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43014. N4Lid DOI: 10.1601/nm.6458

† *Amycolatopsis rugosa*^{VP} (ex di Marco and Spalla 1957) Lechevalier et al. 1986. ==> *Prauserella rugosa* (new combination). Synonym links through N4Lid: 10.1601/ex.6724. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43014. High-quality 16S rRNA sequence S000428088 (RDP), AF051342 (Genbank). N4Lid DOI: 10.1601/nm.6724

Prauserella alba^{VP} Li et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44590. High-quality 16S rRNA sequence S000394148 (RDP), AF435077 (Genbank). N4Lid DOI: 10.1601/nm.6744

Prauserella halophila^{VP} Li et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44617. High-quality 16S rRNA sequence S000394593 (RDP), AF466190 (Genbank). N4Lid DOI: 10.1601/nm.6745

Genus *Saccharomonospora*^{AL} Nonomura and Ohara 1971. N4Lid DOI: 10.1601/nm.6746

Saccharomonospora viridis^{AL} (Schuurmans et al. 1956) Nonomura and Ohara 1971. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15386. High-quality 16S rRNA sequence S000127960 (RDP), X54286 (Genbank). N4Lid DOI: 10.1601/nm.6747

Saccharomonospora azurea^{VP} Runmao 1987. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43670. High-quality 16S rRNA sequence S000001340 (RDP), Z38017 (Genbank). N4Lid DOI: 10.1601/nm.6748

Saccharomonospora cyanea^{VP} Runmao et al. 1988. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43724. High-quality 16S rRNA sequence S000002033 (RDP), Z38018 (Genbank). N4Lid DOI: 10.1601/nm.6749

Saccharomonospora glauca^{VP} Greiner-Mai et al. 1988. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 43769. High-quality 16S rRNA sequence S000010446 (RDP), Z38003 (Genbank). N4Lid DOI: 10.1601/nm.6750

Saccharomonospora halophila^{VP} Al-Zarban et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24125. High-quality 16S rRNA sequence S000006698 (RDP), AJ278497 (Genbank). N4Lid DOI: 10.1601/nm.6751

Saccharomonospora paurometabolica^{VP} Li et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44619. High-quality 16S rRNA sequence S000432288 (RDP), AF540959 (Genbank). N4Lid DOI: 10.1601/nm.6752

Saccharomonospora xinjiangensis^{VP} Jin et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44391. High-quality 16S rRNA sequence S000428178 (RDP), AF056710 (Genbank). N4Lid DOI: 10.1601/nm.6753

Genus *Saccharopolyspora*^{AL} Lacey and Goodfellow 1975. N4Lid DOI: 10.1601/nm.6754

Saccharopolyspora hirsuta subsp. *hirsuta*^{VP} Lacey and Goodfellow 1975. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 20501. High-quality 16S rRNA sequence S000438868 (RDP), U93341 (Genbank). N4Lid DOI: 10.1601/nm.6755

Saccharopolyspora hirsuta subsp. *kobensis*^{VP} (ex Iwasake and Mori 1979) Lacey 1989. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 20501. N4Lid DOI: 10.1601/nm.6756

Saccharopolyspora erythraea^{VP} (Waksman 1923) Labeda 1987. <== *Streptomyces erythraeus* (basonym). Synonym links through N4Lid: 10.1601/ex.6981. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 11635. High-quality 16S rRNA sequence S000126948 (RDP), X53198 (Genbank). GOLD ID: Gi00714. GCAT ID: 001438_GCAT. Entrez genome id: 17885. Sequenced strain: NRRL 2338 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 2 (NCBI). N4Lid DOI: 10.1601/nm.6758

† *Streptomyces erythraeus*^{AL} (Waksman 1923) Waksman and Henrici 1948. ==>

Saccharopolyspora erythraea (new combination). Synonym links through N4Lid: 10.1601/ex.6981. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 11635. High-quality 16S rRNA sequence S000126948 (RDP), X53198 (Genbank). GOLD ID: Gi00714. GCAT ID: 001438_GCAT. Entrez genome id: 17885. Sequenced strain: NRRL 2338 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 2 (NCBI). N4Lid DOI: 10.1601/nm.6981

Saccharopolyspora flava^{VP} Lu et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 16345. High-quality 16S rRNA sequence S000388261 (RDP), AF154128 (Genbank). N4Lid DOI: 10.1601/nm.6759

Saccharopolyspora gregorii^{VP} Goodfellow et al. 1989. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51265. High-quality 16S rRNA sequence S000127580 (RDP), X76962 (Genbank). N4Lid DOI: 10.1601/nm.6760

Saccharopolyspora hordei^{VP} Goodfellow et al. 1989. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49856. High-quality 16S rRNA sequence S000130335 (RDP), X53197 (Genbank). N4Lid DOI: 10.1601/nm.6761

Faenia rectivirgula^{VP} (Krasil'nikov and Agre 1964) Kurup and Agre 1983. <== *Micropolyspora rectivirgula* (basonym). *Saccharopolyspora rectivirgula* (new combination). Synonym links through N4Lid: 10.1601/ex.6762. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33515. High-quality 16S rRNA sequence S000436043 (RDP), M20387 (Genbank). N4Lid 10.1601/nm.9108

† *Micropolyspora faeni*^{AL} Cross et al. 1968. == *Micropolyspora rectivirgula* (earlier homotypic synonym), links through 10.1601/ex.6762. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33515. High-quality 16S rRNA sequence S000436043 (RDP), M20387 (Genbank). N4Lid 10.1601/nm.9040

† *Micropolyspora rectivirgula*^{AL} (Krasil'nikov and Agre 1964) Prauser and Momirova 1970. ==> *Faenia rectivirgula* (new combination). Synonym links through N4Lid: 10.1601/ex.6762. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33515. High-quality 16S rRNA sequence S000436043 (RDP), M20387 (Genbank). N4Lid 10.1601/nm.9050

Saccharopolyspora rectivirgula^{VP} (Krasil'nikov and Agre 1964) Korn-Wendisch et al. 1989. <== *Micropolyspora rectivirgula* (basonym). Synonym links through N4Lid: 10.1601/ex.6762. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33515. High-quality 16S rRNA sequence S000436043 (RDP), M20387 (Genbank). N4Lid DOI: 10.1601/nm.6762

Saccharopolyspora spinosa^{VP} Mertz and Yao 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49460. High-quality 16S rRNA sequence S000386892 (RDP), AF002818 (Genbank). N4Lid DOI: 10.1601/nm.6763

Saccharopolyspora spinosporotrichia^{VP} Zhou et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44350. High-quality 16S rRNA sequence S000002788 (RDP), Y09571 (Genbank). N4Lid DOI: 10.1601/nm.6764

† *Saccharopolyspora hirsuta subsp. taberi*^{VP} Labeda 1987. ==> *Saccharopolyspora taberi* (new combination). Synonym links through N4Lid: 10.1601/ex.6757. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49842. High-quality 16S rRNA sequence S000386893 (RDP), AF002819 (Genbank). N4Lid DOI: 10.1601/nm.6757

Saccharopolyspora taberi^{VP} (Labeda 1987) Korn-Wendisch et al. 1989. <== *Saccharopolyspora hirsuta subsp. taberi* (basonym). Synonym links through N4Lid: 10.1601/ex.6757. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49842. High-quality 16S rRNA sequence S000386893 (RDP), AF002819 (Genbank). N4Lid DOI: 10.1601/nm.6765

Saccharopolyspora thermophila^{VP} Lu et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44575. N4Lid DOI: 10.1601/nm.6766

Genus † *Faenia*^{VP} Kurup and Agre 1983. Unified with *Saccharopolyspora*, links through 10.1601/nm.9527. N4Lid 10.1601/nm.9107

Genus *Streptoalloteichus*^{VP} (ex Tomita et al. 1978) Tomita et al. 1987. N4Lid DOI: 10.1601/nm.6767

Streptoalloteichus hindustanus^{VP} (ex Tomita et al. 1978) Tomita et al. 1987. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31217. N4Lid DOI: 10.1601/nm.6768

Genus *Thermobispora*^{VP} Wang et al. 1996. N4Lid DOI: 10.1601/nm.6769

Thermobispora bispora^{VP} (Henssen 1957) Wang et al. 1996. <== *Microbispora bispora* (basonym). Synonym links through N4Lid: 10.1601/ex.7459. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19993. High-quality 16S rRNA sequence S000437934 (RDP), U58523 (Genbank). N4Lid DOI: 10.1601/nm.6770

† *Microbispora bispora*^{AL} (Henssen 1957) Lechevalier 1965. ==> *Thermobispora bispora* (new combination). Synonym links through N4Lid: 10.1601/ex.7459. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19993. High-quality 16S rRNA sequence S000437934 (RDP), U58523 (Genbank). N4Lid DOI: 10.1601/nm.7459

Genus *Thermocrispum*^{VP} Korn-Wendisch et al. 1995. N4Lid DOI: 10.1601/nm.6771

Thermocrispum municipale^{VP} Korn-Wendisch et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51796. High-quality 16S rRNA sequence S000000057 (RDP), X79184 (Genbank). N4Lid DOI: 10.1601/nm.6772

Thermocrispum agreste^{VP} Korn-Wendisch et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51797. High-quality 16S rRNA sequence S000007039 (RDP), X79183 (Genbank). N4Lid DOI: 10.1601/nm.6773

Family *Actinosynnemataceae*^{VP} Labeda and Kroppenstedt 2000. N4Lid DOI: 10.1601/nm.6774

Genus *Actinosynnema*^{AL} Hasegawa et al. 1978. N4Lid DOI: 10.1601/nm.6775

Actinosynnema mirum^{AL} Hasegawa et al. 1978. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29888. High-quality 16S rRNA sequence S000375752 (RDP), X84447 (Genbank). N4Lid DOI: 10.1601/nm.6776

Actinosynnema pretiosum subsp. pretiosum^{VP} Hasegawa et al. 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31281. High-quality 16S rRNA sequence S000429089 (RDP), AF114800 (Genbank). N4Lid DOI: 10.1601/nm.6777

Actinosynnema pretiosum subsp. *auranticum*^{VP} Hasegawa et al. 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31309. N4Lid DOI: 10.1601/nm.6778

Genus *Actinokineospora*^{VP} Hasegawa 1988. N4Lid DOI: 10.1601/nm.6779

Actinokineospora riparia^{VP} Hasegawa 1988. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16432. High-quality 16S rRNA sequence S000127670 (RDP), X76953 (Genbank). N4Lid DOI: 10.1601/nm.6780

Actinokineospora auranticolor^{VP} Otoguro et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44650. N4Lid DOI: 10.1601/nm.6781

Actinokineospora diospyrosa^{VP} Tamura et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24047. High-quality 16S rRNA sequence S000429086 (RDP), AF114797 (Genbank). N4Lid DOI: 10.1601/nm.6782

Actinokineospora enzanensis^{VP} Otoguro et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44649. N4Lid DOI: 10.1601/nm.6783

Actinokineospora globicatena^{VP} Tamura et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24048. High-quality 16S rRNA sequence S000429087 (RDP), AF114798 (Genbank). N4Lid DOI: 10.1601/nm.6784

Actinokineospora inagensis^{VP} Tamura et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24050. N4Lid DOI: 10.1601/nm.6785

Actinokineospora terrae^{VP} Tamura et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24049. High-quality 16S rRNA sequence S000002952 (RDP), AB058394 (Genbank). N4Lid DOI: 10.1601/nm.6786

Genus *Lechevalieria*^{VP} Labeda et al. 2001. N4Lid DOI: 10.1601/nm.6787

Lechevalieria aerocolonigenes^{VP} (Labeda 1986) Labeda et al. 2001. <== *Saccharothrix aerocolonigenes* subsp. *aerocolonigenes* (basonym). Synonym links through N4Lid: 10.1601/ex.6800. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23870. High-quality 16S rRNA sequence S000382509 (RDP), AB020030 (Genbank). N4Lid DOI: 10.1601/nm.6788

† *Saccharothrix aerocolonigenes* subsp. *aerocolonigenes*^{VP} (ex Shinobu and Kawato 1960) Labeda 1986. ==> *Lechevalieria aerocolonigenes* (new combination). Synonym links through N4Lid: 10.1601/ex.6800. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23870. High-quality 16S rRNA sequence S000382509 (RDP), AB020030 (Genbank). N4Lid DOI: 10.1601/nm.6800

Lechevalieria flava^{VP} (Gauze et al. 1974) Labeda et al. 2001. <== *Actinomadura flava* (basonym). Synonym links through N4Lid: 10.1601/ex.7589. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29533. N4Lid DOI: 10.1601/nm.6789

† *Actinomadura flava*^{AL} Gauze et al. 1974. ==> *Nocardioopsis flava* (new combination). Synonym links through N4Lid: 10.1601/ex.7589. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29533. N4Lid DOI: 10.1601/nm.7589

† *Nocardioopsis flava*^{VP} (Gauze et al. 1974) Gauze and Sveshnikova 1985. <== *Actinomadura flava* (basonym). *Saccharothrix flava* (new combination). Synonym links through N4Lid: 10.1601/ex.7589. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29533. N4Lid DOI: 10.1601/nm.7540

† *Saccharothrix flava*^{VP} (Gauze et al. 1974) Grund and Kroppenstedt 1990. <== *Actinomadura flava* (basonym). *Lechevalieria flava* (new combination). Synonym links through N4Lid: 10.1601/ex.7589. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29533. N4Lid DOI: 10.1601/nm.6806

Genus *Lentzea*^{VP} Yassin et al. 1995. N4Lid DOI: 10.1601/nm.6790

Lentzea albida^{VP} Labeda et al. 2001. ≈ *Saccharothrix aerocolonigenes* subsp. *staurosporea* (later heterotypic synonym), links through 10.1601/nm.6792. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24073. High-quality 16S rRNA sequence S000000546 (RDP), AB006176 (Genbank). N4Lid DOI: 10.1601/nm.6792

† *Saccharothrix aerocolonigenes* subsp. *staurosporea*^{VP} corrig. (ex Omura et al. 1977) Takahashi et al. 1996. ≈ *Lentzea albida* (earlier heterotypic synonym), links through

10.1601/nm.6792. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 55006. N4Lid DOI: 10.1601/nm.6801

Lentzea californiensis^{VP} Labeda et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16137. High-quality 16S rRNA sequence S000388582 (RDP), AF174435 (Genbank). N4Lid DOI: 10.1601/nm.6793

Lentzea flaviverrucosa^{VP} (ex Yan and Deng 1966) Xie et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44664. High-quality 16S rRNA sequence S000388804 (RDP), AF183957 (Genbank). N4Lid DOI: 10.1601/nm.6794

Lentzea violacea^{VP} (Lee et al. 2000) Labeda et al. 2001. <==Synonym links through N4Lid: 10.1601/ex.6813. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 10975. High-quality 16S rRNA sequence S000006985 (RDP), AJ242633 (Genbank). N4Lid DOI: 10.1601/nm.6795

† *Saccharothrix violacea*^{VP} Lee et al. 2000. ==> *Lentzea violacea* (new combination). Synonym links through N4Lid: 10.1601/ex.6813. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 10975. High-quality 16S rRNA sequence S000006985 (RDP), AJ242633 (Genbank). N4Lid DOI: 10.1601/nm.6813

Lentzea waywayandensis^{VP} (Labeda and Lyons 1989) Labeda et al. 2001. <== *Saccharothrix waywayandensis* (basonym). Synonym links through N4Lid: 10.1601/ex.6814. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51594. High-quality 16S rRNA sequence S000382508 (RDP), AB020029 (Genbank). N4Lid DOI: 10.1601/nm.6796

† *Saccharothrix waywayandensis*^{VP} Labeda and Lyons 1989. ==> *Lentzea waywayandensis* (new combination). Synonym links through N4Lid: 10.1601/ex.6814. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51594. High-quality 16S rRNA sequence S000382508 (RDP), AB020029 (Genbank). N4Lid DOI: 10.1601/nm.6814

Genus *Saccharothrix*^{VP} Labeda et al. 1984. N4Lid DOI: 10.1601/nm.6797

Saccharothrix australiensis^{VP} Labeda et al. 1984. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31497. High-quality 16S rRNA sequence S000138432 (RDP), X53193 (Genbank). N4Lid DOI: 10.1601/nm.6798

† *Lentzea albidocapillata*^{VP} Yassin et al. 1995. ==> *Saccharothrix albidocapillata* (new combination). Synonym links through N4Lid: 10.1601/ex.6791. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51859. High-quality 16S rRNA sequence S000375751 (RDP), X84321 (Genbank). N4Lid DOI: 10.1601/nm.6791

Saccharothrix albidocapillata^{VP} (Yassin et al. 1995) Lee et al. 2000. <== *Lentzea albidocapillata* (basonym). Synonym links through N4Lid: 10.1601/ex.6791. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51859. High-quality 16S rRNA sequence S000375751 (RDP), X84321 (Genbank). N4Lid DOI: 10.1601/nm.6799

Saccharothrix algeriensis^{VP} Zitouni et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24137. High-quality 16S rRNA sequence S000367524 (RDP), AY054972 (Genbank). N4Lid DOI: 10.1601/nm.8826

Saccharothrix coeruleofusca^{VP} (Preobrazhenskaya and Sveshnikova 1974) Grund and Kroppenstedt 1990. <== *Actinomadura coeruleofusca* (basonym). Synonym links through N4Lid: 10.1601/ex.7581. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35108. High-quality 16S rRNA sequence S000129972 (RDP), X76963 (Genbank). N4Lid DOI: 10.1601/nm.6802

† *Actinomadura coeruleofusca*^{AL} Preobrazhenskaya and Sveshnikova 1974. ==> *Nocardioopsis coeruleofusca* (new combination). Synonym links through N4Lid: 10.1601/ex.7581. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35108. High-quality 16S rRNA sequence S000129972 (RDP), X76963 (Genbank). N4Lid DOI: 10.1601/nm.7581

† *Nocardioopsis coeruleofusca*^{VP} (Preobrazhenskaya and Sveshnikova 1974) Preobrazhenskaya and Sveshnikova 1985. <== *Actinomadura coeruleofusca* (basonym). *Saccharothrix coeruleofusca* (new combination). Synonym links through N4Lid: 10.1601/ex.7581. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35108.

High-quality 16S rRNA sequence S000129972 (RDP), X76963 (Genbank). N4Lid DOI: 10.1601/nm.7538

Saccharothrix espanaensis^{VP} Labeda and Lechevalier 1989. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51144. High-quality 16S rRNA sequence S000429096 (RDP), AF114807 (Genbank). N4Lid DOI: 10.1601/nm.6805

Saccharothrix longispora^{VP} (Preobrazhenskaya and Sveshnikova 1974) Grund and Kroppenstedt 1990. <== *Actinomadura longispora* (basonym). Synonym links through N4Lid: 10.1601/ex.7602. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35109. High-quality 16S rRNA sequence S000129397 (RDP), X76964 (Genbank). N4Lid DOI: 10.1601/nm.6807

† *Actinomadura longispora*^{AL} Preobrazhenskaya and Sveshnikova 1974. ==> *Nocardiopsis longispora* (new combination). Synonym links through N4Lid: 10.1601/ex.7602. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35109. High-quality 16S rRNA sequence S000129397 (RDP), X76964 (Genbank). N4Lid DOI: 10.1601/nm.7602

† *Nocardiopsis longispora*^{VP} (Preobrazhenskaya and Sveshnikova 1974) Preobrazhenskaya and Sveshnikova 1985. <== *Actinomadura longispora* (basonym). *Saccharothrix longispora* (new combination). Synonym links through N4Lid: 10.1601/ex.7602. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35109. High-quality 16S rRNA sequence S000129397 (RDP), X76964 (Genbank). N4Lid DOI: 10.1601/nm.7545

Saccharothrix mutabilis subsp. mutabilis^{VP} (Shearer et al. 1983) Labeda and Lechevalier 1989. <== *Nocardiopsis mutabilis* (basonym). Synonym links through N4Lid: 10.1601/ex.7548. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31520. N4Lid DOI: 10.1601/nm.6808

† *Nocardiopsis mutabilis*^{VP} Shearer et al. 1983. ==> *Saccharothrix mutabilis subsp. mutabilis* (new combination). Synonym links through N4Lid: 10.1601/ex.7548. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31520. N4Lid DOI: 10.1601/nm.7548

Saccharothrix mutabilis subsp. capreolus^{VP} (ex Stark et al. 1963) Grund and Kroppenstedt 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23892. High-quality 16S rRNA sequence S000127584 (RDP), X76965 (Genbank). N4Lid DOI: 10.1601/nm.6809

Saccharothrix syringae^{VP} (Gauze and Sveshnikova 1985) Grund and Kroppenstedt 1990. <== *Nocardiopsis syringae* (basonym). Synonym links through N4Lid: 10.1601/ex.7551. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51364. N4Lid DOI: 10.1601/nm.6810

† *Nocardiopsis syringae*^{VP} Gauze and Sveshnikova 1985. ==> *Saccharothrix syringae* (new combination). Synonym links through N4Lid: 10.1601/ex.7551. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51364. N4Lid DOI: 10.1601/nm.7551

Saccharothrix tangerinus^{VP} Kinoshita et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-481. High-quality 16S rRNA sequence S000382510 (RDP), AB020031 (Genbank). N4Lid DOI: 10.1601/nm.6811

Saccharothrix texasensis^{VP} Labeda and Lyons 1989. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51593. High-quality 16S rRNA sequence S000429103 (RDP), AF114814 (Genbank). N4Lid DOI: 10.1601/nm.6812

Saccharothrix xinjiangensis^{VP} Hu et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24321. High-quality 16S rRNA sequence S000440923 (RDP), AY135693 (Genbank). N4Lid DOI: 10.1601/nm.8827

Suborder Streptomycineae^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.6815

Family Streptomycetaceae^{AL} Waksman and Henrici 1943. N4Lid DOI: 10.1601/nm.6816

Genus Streptomyces^{AL} Waksman and Henrici 1943. N4Lid DOI: 10.1601/nm.6817

Streptomyces albus subsp. albus^{AL} (Rossi Doria 1891) Waksman and Henrici 1943. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14510.

- High-quality 16S rRNA sequence S000270582 (RDP), AJ621602 (Genbank). N4Lid DOI: 10.1601/nm.6818
- Streptomyces albus subsp. pathocidicus*^{AL} Nagatsu et al. 1962. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14510. N4Lid DOI: 10.1601/nm.6819
- Streptomyces abikoensis*^{VP} (Umezawa et al. 1951) Witt and Stackebrandt 1991. <== *Streptovercillium abikoense* (basonym). Synonym links through N4Lid: 10.1601/ex.7376. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12766. High-quality 16S rRNA sequence S000127310 (RDP), X53168 (Genbank). N4Lid DOI: 10.1601/nm.6820
- † *Streptovercillium abikoense*^{AL} (Umezawa et al. 1951) Locci et al. 1969. ==> *Streptomyces abikoensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7376. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12766. High-quality 16S rRNA sequence S000127310 (RDP), X53168 (Genbank). N4Lid DOI: 10.1601/nm.7376
- Streptomyces aburaviensis*^{AL} Nishimura et al. 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23869. N4Lid DOI: 10.1601/nm.6821
- Streptomyces achromogenes subsp. achromogenes*^{AL} Okami and Umezawa 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12767. N4Lid DOI: 10.1601/nm.6822
- Streptomyces achromogenes subsp. rubradiris*^{AL} Bhuyan et al. 1965. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 3061. N4Lid DOI: 10.1601/nm.6823
- Streptomyces acidiscabies*^{VP} Lambert and Loria 1989. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49003. High-quality 16S rRNA sequence S000439343 (RDP), D63865 (Genbank). N4Lid DOI: 10.1601/nm.6824
- Streptomyces acrimycini*^{AL} (Preobrazhenskaya et al. 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19885. N4Lid DOI: 10.1601/nm.6825
- Streptomyces aculeolatus*^{VP} Shomura et al. 1988. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41644. N4Lid DOI: 10.1601/nm.6826
- Streptomyces afghaniensis*^{AL} Shimo et al. 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23871. High-quality 16S rRNA sequence S000005538 (RDP), AJ399483 (Genbank). N4Lid DOI: 10.1601/nm.6827
- Streptomyces africanus*^{VP} Meyers et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24143. High-quality 16S rRNA sequence S000417792 (RDP), AY208912 (Genbank). N4Lid DOI: 10.1601/nm.8863
- Streptomyces alanosinicus*^{AL} Thiemann and Beretta 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15710. N4Lid DOI: 10.1601/nm.6828
- Streptomyces albaduncus*^{AL} Tsukiura et al. 1964. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14698. N4Lid DOI: 10.1601/nm.6829
- Streptomyces albiacialis*^{VP} Kuznetsov et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24327. N4Lid DOI: 10.1601/nm.6830
- Streptomyces albidochromogenes*^{VP} Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41800. N4Lid DOI: 10.1601/nm.6831
- Streptomyces albidoflavus*^{AL} (Rossi Doria 1891) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25422. High-quality 16S rRNA sequence S000005539 (RDP), Z76676 (Genbank). N4Lid DOI: 10.1601/nm.6832
- Streptomyces albireticuli*^{VP} (Nakazawa 1955) Witt and Stackebrandt 1991. <== *Streptovercillium albireticuli* (basonym). Synonym links through N4Lid: 10.1601/ex.7377. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19721. N4Lid DOI: 10.1601/nm.6833

† *Streptovercillium albireticuli*^{AL} (Nakazawa 1955) Locci et al. 1969. ==> *Streptomyces albireticuli* (new combination). Synonym links through N4Lid: 10.1601/ex.7377. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19721. N4Lid DOI: 10.1601/nm.7377

Streptomyces albofaciens^{AL} Thirumalachar and Bhatt 1960. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25184. High-quality 16S rRNA sequence S000021803 (RDP), AB045880 (Genbank). N4Lid DOI: 10.1601/nm.6834

Streptomyces alboflavus^{AL} (Waksman and Curtis 1916) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12626. N4Lid DOI: 10.1601/nm.6835

Streptomyces albogriseolus^{AL} Benedict et al. 1954. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23875. High-quality 16S rRNA sequence S000084736 (RDP), AJ494865 (Genbank). N4Lid DOI: 10.1601/nm.6836

Streptomyces albolongus^{AL} Tsukiura et al. 1964. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27414. N4Lid DOI: 10.1601/nm.6837

Streptomyces alboniger^{AL} Porter et al. 1952. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12461. N4Lid DOI: 10.1601/nm.6838

Streptomyces albospinus^{AL} Wang et al. 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29808. N4Lid DOI: 10.1601/nm.6839

Streptomyces albosporeus subsp. labilomyceticus^{AL} Okami et al. 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41672. N4Lid DOI: 10.1601/nm.6841

Streptomyces alboverticillatus^{VP} (Locci and Schofield 1989) Witt and Stackebrandt 1991. <== *Streptovercillium alboverticillatum* (basonym). Synonym links through N4Lid: 10.1601/ex.7378. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29818. N4Lid DOI: 10.1601/nm.6842

† *Streptovercillium alboverticillatum*^{VP} (ex Arai 1976) Locci and Schofield 1989. ==> *Streptomyces alboverticillatus* (new combination). Synonym links through N4Lid: 10.1601/ex.7378. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29818. N4Lid DOI: 10.1601/nm.7378

Streptomyces albovinaceus^{AL} (Kudrina 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15823. N4Lid DOI: 10.1601/nm.6843

Streptomyces alboviridis^{AL} (Duché 1934) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25425. N4Lid DOI: 10.1601/nm.6844

Streptomyces albulus^{AL} Routien 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12757. High-quality 16S rRNA sequence S000015944 (RDP), AB024440 (Genbank). N4Lid DOI: 10.1601/nm.6845

Streptomyces almquistii^{AL} (Duché 1934) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 618. N4Lid DOI: 10.1601/nm.6846

Streptomyces althioticus^{AL} Yamaguchi et al. 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19724. N4Lid DOI: 10.1601/nm.6847

Streptomyces amakusaensis^{AL} Nagatsu et al. 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23876. N4Lid DOI: 10.1601/nm.6848

Streptomyces ambofaciens^{AL} Pinnert-Sindico 1954. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23877. High-quality 16S rRNA sequence S000436160 (RDP), M27245 (Genbank). GOLD ID: Gi00626. GCAT ID: 001573_GCAT. Entrez genome id: 93. Sequenced strain: ATCC 23877 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6849

Streptomyces anandii^{AL} Batra and Bajaj 1965. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19388. N4Lid DOI: 10.1601/nm.6851

- Streptomyces anthocyanicus*^{AL} (Krasil'nikov et al. 1965) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19821. N4Lid DOI: 10.1601/nm.6852
- Streptomyces antibioticus*^{AL} (Waksman and Woodruff 1941) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 8663. N4Lid DOI: 10.1601/nm.6853
- Streptomyces antimycoticus*^{AL} Waksman 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23880. N4Lid DOI: 10.1601/nm.6854
- Streptomyces anulatus*^{AL} (Beijerinck 1912) Waksman 1953. ≈ *Streptomyces chrysomallus subsp. chrysomallus* (later heterotypic synonym), links through 10.1601/nm.6855. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27416. N4Lid DOI: 10.1601/nm.6855
- † *Streptomyces chrysomallus subsp. chrysomallus*^{AL} Lindenbein 1952. ≈ *Streptomyces anulatus* (earlier heterotypic synonym), links through 10.1601/nm.6855. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 11523. N4Lid DOI: 10.1601/nm.6927
- † *Streptomyces citreofluorescens*^{AL} (Korenyako et al. 1960) Pridham 1970. ≈ *Streptomyces anulatus* (earlier heterotypic synonym), links through 10.1601/nm.6855. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15858. N4Lid DOI: 10.1601/nm.6943
- † *Streptomyces fluorescens*^{AL} (Krasil'nikov 1958) Pridham 1970. ≈ *Streptomyces anulatus* (earlier heterotypic synonym), links through 10.1601/nm.6855. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15860. N4Lid DOI: 10.1601/nm.7010
- Streptomyces ardens*^{VP} (de Boer et al. 1961) Witt and Stackebrandt 1991. <== *Streptovorticillium ardens* (basonym). Synonym links through N4Lid: 10.1601/ex.7380. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27417. N4Lid DOI: 10.1601/nm.6857
- † *Streptovorticillium ardens*^{AL} (de Boer et al. 1961) Locci et al. 1969. ==> *Streptomyces ardens* (new combination). Synonym links through N4Lid: 10.1601/ex.7380. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27417. N4Lid DOI: 10.1601/nm.7380
- Streptomyces arenae*^{AL} Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25428. High-quality 16S rRNA sequence S000000827 (RDP), AJ399485 (Genbank). N4Lid DOI: 10.1601/nm.6858
- Streptomyces armeniacus*^{VP} (Kalakoutsii and Kusnetsov 1964) Wellington and Williams 1981. <== *Actinoplanes armeniacus* (basonym). Synonym links through N4Lid: 10.1601/ex.6542. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15676. High-quality 16S rRNA sequence S000006100 (RDP), AB018092 (Genbank). N4Lid DOI: 10.1601/nm.6860
- † *Actinoplanes armeniacus*^{AL} Kalakoutsii and Kusnetsov 1964. ==> *Streptomyces armeniacus* (new combination). Synonym links through N4Lid: 10.1601/ex.6542. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15676. High-quality 16S rRNA sequence S000006100 (RDP), AB018092 (Genbank). N4Lid DOI: 10.1601/nm.6542
- Streptomyces asiaticus*^{VP} Sembiring et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41761. High-quality 16S rRNA sequence S000010499 (RDP), AJ391830 (Genbank). N4Lid DOI: 10.1601/nm.6861
- Streptomyces asterosporus*^{VP} (ex Krasil'nikov 1970) Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24328. N4Lid DOI: 10.1601/nm.6862
- Streptomyces atratus*^{AL} Shibata et al. 1962. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14046. N4Lid DOI: 10.1601/nm.6863
- Streptomyces atroaurantiacus*^{VP} Nakagaito et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51343. N4Lid DOI: 10.1601/nm.6864

Streptomyces atroolivaceus^{AL} (Preobrazhenskaya et al. 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19725. High-quality 16S rRNA sequence S000544199 (RDP), AJ781320 (Genbank). N4Lid DOI: 10.1601/nm.6865

Streptomyces atrovirens^{VP} (ex Preobrazhenskaya et al. 1971) Preobrazhenskaya and Terekhova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16357. N4Lid DOI: 10.1601/nm.6866

Streptomyces aurantiacus^{AL} (Rossi Doria 1891) Waksman 1953. ≈ *Streptomyces albosporeus* subsp. *albosporeus* (later heterotypic synonym), links through 10.1601/nm.6867. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19822. High-quality 16S rRNA sequence S000544262 (RDP), AJ781383 (Genbank). N4Lid DOI: 10.1601/nm.6867

† *Streptomyces albosporeus* subsp. *albosporeus*^{AL} (Krainsky 1914) Waksman and Henrici 1948. ≈ *Streptomyces aurantiacus* (earlier heterotypic synonym), links through 10.1601/nm.6867. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15394. N4Lid DOI: 10.1601/nm.6840

Streptomyces aurantiogriseus^{AL} (Preobrazhenskaya 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19887. N4Lid DOI: 10.1601/nm.6868

Streptomyces aureocirculatus^{AL} (Krasil'nikov and Yuan 1965) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19823. N4Lid DOI: 10.1601/nm.6869

Streptomyces aureofaciens^{AL} Duggar 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 10762. High-quality 16S rRNA sequence S000405816 (RDP), AY289116 (Genbank). N4Lid DOI: 10.1601/nm.6870

Streptomyces aureorectus^{VP} (ex Taig et al. 1969) Taig and Solovieva 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24301. N4Lid DOI: 10.1601/nm.6871

Streptomyces aureoversilis^{VP} corrig. (Locci et al. 1969) Witt and Stackebrandt 1991. <== *Streptovercillium aureoversile* (basonym). Synonym links through N4Lid: 10.1601/ex.7381. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15853. N4Lid DOI: 10.1601/nm.6872

† *Streptovercillium aureoversile*^{AL} corrig. Locci et al. 1969. ==> *Streptomyces aureoversilis* (new combination). Synonym links through N4Lid: 10.1601/ex.7381. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15853. N4Lid DOI: 10.1601/nm.7381

Streptomyces aureovercillatus^{AL} (Krasil'nikov and Yuan 1960) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15854. N4Lid DOI: 10.1601/nm.6873

Streptomyces aureus^{VP} Manfio et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41785. High-quality 16S rRNA sequence S000395649 (RDP), AY094368 (Genbank). N4Lid DOI: 10.1601/nm.6874

Streptomyces avellaneus^{AL} Baldacci and Grein 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23730. N4Lid DOI: 10.1601/nm.6875

Streptomyces avermectinius^{VP} Takahashi et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: MA-4680. High-quality 16S rRNA sequence S000469461 (RDP), AB078897 (Genbank). N4Lid DOI: 10.1601/nm.6876

Streptomyces avermitilis^{VP} (ex Burg et al. 1979) Kim and Goodfellow 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 8165. High-quality 16S rRNA sequence S000469461 (RDP), AB078897 (Genbank). GOLD ID: Gc00128. GCAT ID: 000482_GCAT. Entrez genome id: 189. Sequenced strain: ATCC 31267 is type material. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6877

Streptomyces avidinii^{AL} Stapley et al. 1964. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27419. N4Lid DOI: 10.1601/nm.6878

- Streptomyces azureus*^{AL} Kelly et al. 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14921. N4Lid DOI: 10.1601/nm.6880
- Streptomyces baarnensis*^{AL} Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23885. N4Lid DOI: 10.1601/nm.6881
- Streptomyces bacillaris*^{AL} (Krasil'nikov 1958) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15855. N4Lid DOI: 10.1601/nm.6882
- Streptomyces badius*^{AL} (Kudrina 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19888. N4Lid DOI: 10.1601/nm.6883
- Streptomyces baldaccii*^{VP} corrig. (Farina and Locci 1966) Witt and Stackebrandt 1991. <==> *Streptovercillium baldaccii* (basonym). Synonym links through N4Lid: 10.1601/ex.7375. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-3500. N4Lid DOI: 10.1601/nm.6884
- † *Streptovercillium baldaccii*^{AL} Farina and Locci 1966. ==> *Streptomyces baldaccii* (new combination). Synonym links through N4Lid: 10.1601/ex.7375. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-3500. N4Lid DOI: 10.1601/nm.7375
- Streptomyces bambergensis*^{AL} Wallhäuser et al. 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13879. N4Lid DOI: 10.1601/nm.6885
- Streptomyces bangladeshensis*^{VP} Al-Bari et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24326. High-quality 16S rRNA sequence S000426477 (RDP), AY750056 (Genbank). N4Lid 10.1601/nm.9587
- Streptomyces beijiagensis*^{VP} Li et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41794. High-quality 16S rRNA sequence S000392846 (RDP), AF385681 (Genbank). N4Lid DOI: 10.1601/nm.6886
- Streptomyces bellus*^{AL} Margalith and Beretta 1960. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13385. N4Lid DOI: 10.1601/nm.6887
- Streptomyces bikiniensis*^{AL} Johnstone and Waksman 1947. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 11062. High-quality 16S rRNA sequence S000381283 (RDP), X79851 (Genbank). N4Lid DOI: 10.1601/nm.6888
- Streptomyces biverticillatus*^{VP} (Preobrazhenskaya 1957) Witt and Stackebrandt 1991. <==> *Streptovercillium biverticillatum* (basonym). Synonym links through N4Lid: 10.1601/ex.7382. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL ISP-5272. N4Lid DOI: 10.1601/nm.6889
- † *Streptovercillium biverticillatum*^{AL} (Preobrazhenskaya 1957) Farina and Locci 1966. ==> *Streptomyces biverticillatus* (new combination). Synonym links through N4Lid: 10.1601/ex.7382. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL ISP-5272. N4Lid DOI: 10.1601/nm.7382
- Streptomyces blastmyceticus*^{VP} (Watanabe et al. 1957) Witt and Stackebrandt 1991. <==> *Streptovercillium blastmyceticum* (basonym). Synonym links through N4Lid: 10.1601/ex.7383. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19731. N4Lid DOI: 10.1601/nm.6890
- † *Streptovercillium blastmyceticum*^{AL} (Watanabe et al. 1957) Locci et al. 1969. ==> *Streptomyces blastmyceticus* (new combination). Synonym links through N4Lid: 10.1601/ex.7383. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19731. N4Lid DOI: 10.1601/nm.7383
- Streptomyces bluensis*^{AL} Mason et al. 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27420. High-quality 16S rRNA sequence S000381276 (RDP), X79324 (Genbank). N4Lid DOI: 10.1601/nm.6891
- Streptomyces bobili*^{AL} (Waksman and Curtis 1916) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 3310. N4Lid DOI: 10.1601/nm.6892

- Streptomyces bottropensis*^{AL} Waksman 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25435. High-quality 16S rRNA sequence S000439346 (RDP), D63868 (Genbank). N4Lid DOI: 10.1601/nm.6893
- Streptomyces brasiliensis*^{VP} (Falcão de Morais et al. 1966) Goodfellow et al. 1986. <=> *Elytrosporangium brasiliense* (basonym). Synonym links through N4Lid: 10.1601/ex.6894. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23727. High-quality 16S rRNA sequence S000129166 (RDP), X53162 (Genbank). N4Lid DOI: 10.1601/nm.6894
- † *Elytrosporangium brasiliense*^{AL} corrig. Falcão de Morais et al. 1966. ==> *Streptomyces brasiliensis* (new combination). Synonym links through N4Lid: 10.1601/ex.6894. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23727. High-quality 16S rRNA sequence S000129166 (RDP), X53162 (Genbank). N4Lid 10.1601/nm.9031
- Streptomyces bungoensis*^{VP} Eguchi et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41781. N4Lid DOI: 10.1601/nm.6895
- Streptomyces cacaoi subsp. asoensis*^{AL} Isono et al. 1965. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19093. N4Lid DOI: 10.1601/nm.6897
- Streptomyces cacaoi subsp. cacaoi*^{AL} (Waksman 1932) Waksman and Henrici 1948. ≈ *Streptomyces aminophilus* (later heterotypic synonym), links through 10.1601/nm.6896. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 3082. N4Lid DOI: 10.1601/nm.6896
- † *Streptomyces aminophilus*^{AL} Foster 1961. ≈ *Streptomyces cacaoi subsp. cacaoi* (earlier heterotypic synonym), links through 10.1601/nm.6896. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14961. N4Lid DOI: 10.1601/nm.6850
- Streptomyces caelestis*^{AL} de Boer et al. 1955. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15084. High-quality 16S rRNA sequence S000381288 (RDP), X80824 (Genbank). N4Lid DOI: 10.1601/nm.6898
- Streptomyces caeruleus*^{AL} (Baldacci 1944) Pridham et al. 1958. ≈ *Streptomyces niveus* (later heterotypic synonym), links through 10.1601/nm.6899. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27421. N4Lid DOI: 10.1601/nm.6899
- † *Streptomyces niveus*^{AL} Smith et al. 1956. ≈ *Streptomyces caeruleus* (earlier heterotypic synonym), links through 10.1601/nm.6899. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19793. N4Lid DOI: 10.1601/nm.7169
- † *Streptomyces spheroides*^{AL} Wallick et al. 1956. ≈ *Streptomyces caeruleus* (earlier heterotypic synonym), links through 10.1601/nm.6899. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23965. N4Lid DOI: 10.1601/nm.7275
- Streptomyces californicus*^{AL} (Waksman and Curtis 1916) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 3312. N4Lid DOI: 10.1601/nm.6900
- Streptomyces calvus*^{AL} Backus et al. 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13382. N4Lid DOI: 10.1601/nm.6901
- Streptomyces canarius*^{AL} Vavra and Dietz 1965. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27423. N4Lid DOI: 10.1601/nm.6902
- Streptomyces candidus*^{VP} (ex Krasil'nikov 1941) Sveshnikova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19891. N4Lid DOI: 10.1601/nm.6903
- Streptomyces canescens*^{AL} Waksman 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19736. High-quality 16S rRNA sequence S000008561 (RDP), Z76684 (Genbank). N4Lid DOI: 10.1601/nm.6904
- Streptomyces cangkringensis*^{VP} Sembiring et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41769. High-quality 16S rRNA sequence S000004852 (RDP), AJ391831 (Genbank). N4Lid DOI: 10.1601/nm.6905
- Streptomyces caniferus*^{VP} (ex Krasil'nikov 1970) Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43699. N4Lid DOI: 10.1601/nm.6906

- Streptomyces canus*^{AL} Heinemann et al. 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12237. N4Lid DOI: 10.1601/nm.6907
- Streptomyces capillspiralis*^{VP} Mertz and Higgins 1982. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 12279. N4Lid DOI: 10.1601/nm.6908
- Streptomyces capoamus*^{AL} Gonçalves de Lima et al. 1964. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19006. N4Lid DOI: 10.1601/nm.6909
- Streptomyces carpaticus*^{VP} Maximova and Terekhova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43678. N4Lid DOI: 10.1601/nm.6910
- † *Elytrosporangium carpinense*^{AL} Falcão de Morais et al. 1971. ==> *Streptomyces carpinensis* (new combination). Synonym links through N4Lid: 10.1601/ex.6911. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27116. N4Lid DOI: 10.1601/nm.9058
- Streptomyces carpinensis*^{VP} (Falcão de Morais et al. 1971) Goodfellow et al. 1986. <== *Elytrosporangium carpinense* (basonym). Synonym links through N4Lid: 10.1601/ex.6911. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27116. N4Lid DOI: 10.1601/nm.6911
- Streptomyces catenulae*^{AL} Davisson and Finlay 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12476. High-quality 16S rRNA sequence S000271820 (RDP), AJ621613 (Genbank). N4Lid DOI: 10.1601/nm.6912
- Streptomyces cavourensis subsp. cavourensis*^{AL} Skarbek and Brady 1978. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14889. N4Lid DOI: 10.1601/nm.6914
- Streptomyces cavourensis subsp. washingtonensis*^{AL} Skarbek and Brady 1978. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27732. N4Lid DOI: 10.1601/nm.6915
- Streptomyces cellostaticus*^{AL} Hamada 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23894. N4Lid DOI: 10.1601/nm.6916
- Streptomyces celluloflavus*^{AL} Nishimura et al. 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29806. N4Lid DOI: 10.1601/nm.6917
- Streptomyces cellulolyticus*^{VP} Li 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: AS. 41332. N4Lid DOI: 10.1601/nm.6918
- Streptomyces cellulosa*^{AL} (Krainsky 1914) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25439. N4Lid DOI: 10.1601/nm.6919
- Streptomyces champavatii*^{AL} Uma and Narasimha Rao 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-5682. N4Lid DOI: 10.1601/nm.6920
- Streptomyces chartreusis*^{AL} Leach et al. 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14922. High-quality 16S rRNA sequence S000002035 (RDP), AJ399468 (Genbank). N4Lid DOI: 10.1601/nm.6921
- Streptomyces chattanoogensis*^{AL} Burns and Holtman 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13358. High-quality 16S rRNA sequence S000271215 (RDP), AJ621611 (Genbank). N4Lid DOI: 10.1601/nm.6922
- Streptomyces cheonanensis*^{VP} Kim et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41865. High-quality 16S rRNA sequence S000627041 (RDP), AY822606 (Genbank). N4Lid DOI: 10.1601/nm.9878
- Streptomyces chrestomyceticus*^{AL} Canevazzi and Scotti 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14947. High-quality 16S rRNA sequence S000270388 (RDP), AJ621609 (Genbank). N4Lid DOI: 10.1601/nm.6924
- Streptomyces chromofuscus*^{AL} (Preobrazhenskaya et al. 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23896. N4Lid DOI: 10.1601/nm.6925

- Streptomyces chryseus*^{AL} (Krasil'nikov et al. 1965) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19829. N4Lid DOI: 10.1601/nm.6926
- Streptomyces chrysmallus subsp. fumigatus*^{AL} Frommer 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-2289. N4Lid DOI: 10.1601/nm.6928
- Streptomyces cinereorectus*^{VP} Terekhova and Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43679. N4Lid DOI: 10.1601/nm.6929
- Streptomyces cinereoruber subsp. cinereoruber*^{AL} Corbaz et al. 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19740. N4Lid DOI: 10.1601/nm.6930
- Streptomyces cinereoruber subsp. fructofermentans*^{AL} Corbaz et al. 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 2588. N4Lid DOI: 10.1601/nm.6931
- Streptomyces cinereospinus*^{VP} Terekhova et al. 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43680. N4Lid DOI: 10.1601/nm.6932
- Streptomyces cinereus*^{VP} (Cross et al. 1963) Goodfellow et al. 1986. <== *Microellobosporia cinerea* (basonym). Synonym links through N4Lid: 10.1601/ex.6933. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15840. N4Lid DOI: 10.1601/nm.6933
- † *Microellobosporia cinerea*^{AL} Cross et al. 1963. ==> *Streptomyces cinereus* (new combination). Synonym links through N4Lid: 10.1601/ex.6933. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15840. N4Lid DOI: 10.1601/nm.9017
- Streptomyces cinerochromogenes*^{AL} Miyairi et al. 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33339. N4Lid DOI: 10.1601/nm.6934
- Streptomyces cinnabarinus*^{AL} (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23617. High-quality 16S rRNA sequence S000005908 (RDP), AJ399487 (Genbank). N4Lid DOI: 10.1601/nm.6935
- Streptomyces cinnamoneus*^{AL} Okami 1952. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12308. N4Lid DOI: 10.1601/nm.6936
- "*Streptomyces cinnamoneus subsp. albosporus*" *Streptovercillium cinnamoneum subsp. albosporum* (illegitimate name), links through 10.1601./<link>. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25186. N4Lid DOI: 10.1601/nm.6938
- † *Streptovercillium cinnamoneum subsp. albosporum*^{AL} Thirumalachar 1968 ==> *Streptomyces cinnamoneus subsp. albosporus* (new combination, illegitimate). Synonym links through N4Lid: 10.1601/ex.7385. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25186. N4Lid DOI: 10.1601/nm.7385
- Streptomyces cinnamoneus subsp. cinnamoneus*^{VP} (Benedict et al. 1952) Witt and Stackebrandt 1991. <== *Streptovercillium cinnamoneum subsp. cinnamoneum* (basonym). Synonym links through N4Lid: 10.1601/ex.7384. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 11874. N4Lid DOI: 10.1601/nm.6937
- † *Streptovercillium cinnamoneum subsp. cinnamoneum*^{AL} (Benedict et al. 1952) Baldacci et al. 1966. ==> *Streptomyces cinnamoneus subsp. cinnamoneus* (new combination). Synonym links through N4Lid: 10.1601/ex.7384. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 11874. N4Lid DOI: 10.1601/nm.7384
- "*Streptomyces cinnamoneus subsp. lanosus*" *Streptovercillium cinnamoneum subsp. lanosum* (illegitimate name), links through 10.1601./<link>. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25187. N4Lid DOI: 10.1601/nm.6939
- † *Streptovercillium cinnamoneum subsp. lanosum*^{AL} Thirumalachar 1968. ==> *Streptomyces cinnamoneus subsp. lanosus* (new combination, illegitimate). Synonym links through N4Lid:

10.1601/ex.7386. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25187. N4Lid DOI: 10.1601/nm.7386

"*Streptomyces cinnamoneus subsp. sparsus*" *Streptovercillium cinnamoneum subsp. sparsum* (illegitimate name), links through 10.1601./<link>. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25185. N4Lid DOI: 10.1601/nm.6940

† *Streptovercillium cinnamoneum subsp. sparsum*^{AL} Thirumalachar 1968. ==> *Streptomyces cinnamoneus subsp. sparsus* (new combination, illegitimate). Synonym links through N4Lid: 10.1601/ex.7387. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25185. N4Lid DOI: 10.1601/nm.7387

Streptomyces cirratus^{AL} Koshiyama et al. 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14699. N4Lid DOI: 10.1601/nm.6941

Streptomyces ciscaucasicus^{VP} Sveshnikova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL ISP-5275. High-quality 16S rRNA sequence S000269433 (RDP), AY508512 (Genbank). N4Lid DOI: 10.1601/nm.6942

Streptomyces clavifer^{AL} (Millard and Burr 1926) Waksman 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-2557. N4Lid DOI: 10.1601/nm.6944

Streptomyces clavuligerus^{AL} Higgins and Kastner 1971. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27064. High-quality 16S rRNA sequence S000004208 (RDP), AB045869 (Genbank). N4Lid DOI: 10.1601/nm.6945

Streptomyces coelestis^{AL} (Krasil'nikov et al. 1965) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19830. High-quality 16S rRNA sequence S000143178 (RDP), AF503496 (Genbank). N4Lid DOI: 10.1601/nm.6947

Streptomyces coelicoflavus^{VP} (ex Ryabova and Preobrazhenskaya) Terekhova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16363. N4Lid DOI: 10.1601/nm.6948

Streptomyces coelicolor^{AL} (Müller 1908) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23899. High-quality 16S rRNA sequence S000011639 (RDP), Z76678 (Genbank). GOLD ID: Gc00087. GCAT ID: 000523_GCAT. Entrez genome id: 242. Sequenced strain: A3(2) M145 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.6949

Streptomyces coeruleoflavus^{VP} Preobrazhenskaya and Maximova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: INA 2206. N4Lid DOI: 10.1601/nm.6950

Streptomyces coeruleofuscus^{AL} (Preobrazhenskaya 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23618. High-quality 16S rRNA sequence S000012014 (RDP), AJ399473 (Genbank). N4Lid DOI: 10.1601/nm.6951

Streptomyces coeruleoprunus^{VP} Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43681. N4Lid DOI: 10.1601/nm.6952

Streptomyces coeruleorubidus^{AL} (Preobrazhenskaya 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-2569. High-quality 16S rRNA sequence S000129856 (RDP), AJ306622 (Genbank). N4Lid DOI: 10.1601/nm.6953

Streptomyces coeruleus^{AL} (Preobrazhenskaya 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19896. High-quality 16S rRNA sequence S000003965 (RDP), AJ399462 (Genbank). N4Lid DOI: 10.1601/nm.6954

Streptomyces collinus^{AL} Lindenbein 1952. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19743. N4Lid DOI: 10.1601/nm.6955

Streptomyces corchorusii^{AL} Ahmad and Bhuiyan 1958. ≈ *Streptomyces chibaensis* (later heterotypic synonym), links through 10.1601./nm.6957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25444. N4Lid DOI: 10.1601/nm.6957

- † *Streptomyces chibaensis*^{AL} Suzuki et al. 1958. ≈ *Streptomyces corchorusii* (earlier heterotypic synonym), links through 10.1601/nm.6957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23895. N4Lid DOI: 10.1601/nm.6923
- Streptomyces costaricanus*^{VP} Esnard et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 55274. N4Lid DOI: 10.1601/nm.6958
- Streptomyces cremeus*^{AL} (Kudrina 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19897. N4Lid DOI: 10.1601/nm.6959
- Streptomyces crystallinus*^{AL} Tresner et al. 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-3629. N4Lid DOI: 10.1601/nm.6960
- Streptomyces curacoi*^{AL} Cataldi 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-2901. N4Lid DOI: 10.1601/nm.6961
- Streptomyces cuspidosporus*^{AL} Higashide et al. 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33340. N4Lid DOI: 10.1601/nm.6962
- Streptomyces cyaneofuscatus*^{AL} (Kudrina 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23619. N4Lid DOI: 10.1601/nm.6963
- Streptomyces cyaneus*^{AL} (Krasil'nikov 1941) Waksman 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14923. High-quality 16S rRNA sequence S000128654 (RDP), AJ310927 (Genbank). N4Lid DOI: 10.1601/nm.6964
- Streptomyces cyanoalbus*^{AL} (Krasil'nikov and Agre 1960) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15859. N4Lid DOI: 10.1601/nm.6965
- Streptomyces cystargineus*^{VP} (Kusakabe and Isono 1992) Nakagaito et al. 1993. <== *Kitasatospora cystarginea* (basonym). Synonym links through N4Lid: 10.1601/ex.7362. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49931. High-quality 16S rRNA sequence S000438856 (RDP), U93318 (Genbank). N4Lid DOI: 10.1601/nm.6966
- † *Kitasatospora cystarginea*^{VP} corrig. Kusakabe and Isono 1992. ==> *Streptomyces cystargineus* (new combination). Synonym links through N4Lid: 10.1601/ex.7362. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49931. High-quality 16S rRNA sequence S000438856 (RDP), U93318 (Genbank). N4Lid DOI: 10.1601/nm.7362
- Streptomyces daghestanicus*^{AL} (Sveshnikova 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23620. N4Lid DOI: 10.1601/nm.6967
- Streptomyces diastaticus* subsp. *ardesiacus*^{AL} (Baldacci et al. 1955) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-1773. N4Lid DOI: 10.1601/nm.6969
- Streptomyces diastaticus* subsp. *diastaticus*^{AL} (Krainsky 1914) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 3315. High-quality 16S rRNA sequence S000129749 (RDP), X53161 (Genbank). N4Lid DOI: 10.1601/nm.6968
- Streptomyces diastatochromogenes*^{AL} (Krainsky 1914) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12309. High-quality 16S rRNA sequence S000439345 (RDP), D63867 (Genbank). N4Lid DOI: 10.1601/nm.6970
- Streptomyces distallicus*^{VP} (Locci et al. 1969) Witt and Stackebrandt 1991. <== *Streptovercillium distallicum* (basonym). Synonym links through N4Lid: 10.1601/ex.7388. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 2886. N4Lid DOI: 10.1601/nm.6971
- † *Streptomyces colombiensis*^{AL} Pridham et al. 1958. ≈ *Streptomyces distallicus* (earlier heterotypic synonym), links through 10.1601/nm.6971. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27425. N4Lid DOI: 10.1601/nm.6956

- † *Streptovercillium distallicum*^{AL} Locci et al. 1969. ==><synonym>Streptomyces colombiensis</synonym> *Streptomyces distallicus* (new combination). Synonym links through N4Lid: 10.1601/ex.7388. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 2886. N4Lid DOI: 10.1601/nm.7388
- † *Streptomyces netropsis*^{VP} (Finlay et al. 1951) Witt and Stackebrandt 1991. <==<synonym>Streptomyces distallicus</synonym> *Streptovercillium netropsis* (basonym). Synonym links through N4Lid: 10.1601/ex.7408. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-1831. N4Lid DOI: 10.1601/nm.7161
- † *Streptovercillium netropsis*^{AL} (Finlay et al. 1951) Baldacci et al. 1966. ==> *Streptomyces netropsis* (new combination). Synonym links through N4Lid: 10.1601/ex.7408. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23940. N4Lid DOI: 10.1601/nm.7408
- Streptomyces djakartensis*^{AL} Huber et al. 1962. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13441. N4Lid DOI: 10.1601/nm.6972
- Streptomyces drozdowiczii*^{VP} Semêdo et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24297. N4Lid 10.1601/nm.8864
- Streptomyces durhamensis*^{AL} Gordon and Lapa 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23194. N4Lid DOI: 10.1601/nm.6973
- Streptomyces echinatus*^{AL} Corbaz et al. 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19748. High-quality 16S rRNA sequence S000000638 (RDP), AJ399465 (Genbank). N4Lid DOI: 10.1601/nm.6974
- Streptomyces echinoruber*^{VP} Palleroni et al. 1981. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 8144. N4Lid DOI: 10.1601/nm.6975
- Streptomyces ederensis*^{AL} Wallhäuser et al. 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15304. N4Lid DOI: 10.1601/nm.6976
- Streptomyces ehimensis*^{VP} corrig. (Shibata et al. 1954) Witt and Stackebrandt 1991. <== *Streptovercillium ehimense* (basonym). Synonym links through N4Lid: 10.1601/ex.7389. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23903. N4Lid DOI: 10.1601/nm.6977
- † *Streptovercillium ehimense*^{AL} (Shibata et al. 1954) Locci et al. 1969. ==> *Streptomyces ehimensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7389. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23903. N4Lid DOI: 10.1601/nm.7389
- Streptomyces endus*^{AL} Anderson and Gottlieb 1952. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23904. N4Lid DOI: 10.1601/nm.6978
- Streptomyces enissocaesilis*^{VP} (ex Krasil'nikov 1970) Sveshnikova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43682. N4Lid DOI: 10.1601/nm.6979
- Streptomyces erumpens*^{AL} Calot and Cercos 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23266. High-quality 16S rRNA sequence S000270583 (RDP), AJ621603 (Genbank). N4Lid DOI: 10.1601/nm.6980
- Streptomyces erythrogriseus*^{AL} Falcão de Moraes and Dália Maia 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27427. High-quality 16S rRNA sequence S000544207 (RDP), AJ781328 (Genbank). N4Lid DOI: 10.1601/nm.6982
- Streptomyces eurocidicus*^{VP} (Okami et al. 1954) Witt and Stackebrandt 1991. <== *Streptovercillium eurocidicum* (basonym). Synonym links through N4Lid: 10.1601/ex.7390. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27428. N4Lid DOI: 10.1601/nm.6983
- † *Streptovercillium eurocidicum*^{AL} (Okami et al. 1954) Locci et al. 1969. ==> *Streptomyces eurocidicus* (new combination). Synonym links through N4Lid: 10.1601/ex.7390. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27428. N4Lid DOI: 10.1601/nm.7390
- Streptomyces europaeiscabiei*^{VP} Bouček-Mechiche et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41802. High-quality 16S rRNA sequence S000005595 (RDP), AJ007423 (Genbank). N4Lid DOI: 10.1601/nm.6984

Streptomyces eurythermus^{AL} Corbaz et al. 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14975. High-quality 16S rRNA sequence S000439348 (RDP), D63870 (Genbank). N4Lid DOI: 10.1601/nm.6985

Streptomyces exfoliatus^{AL} (Waksman and Curtis 1916) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12627. N4Lid DOI: 10.1601/nm.6986

Streptomyces felleus^{AL} Lindenbein 1952. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19752. High-quality 16S rRNA sequence S000002402 (RDP), Z76681 (Genbank). N4Lid DOI: 10.1601/nm.6987

Streptomyces fervens subsp. fervens^{VP} (de Boer et al. 1960) Witt and Stackebrandt 1991. <== *Streptovercillium fervens subsp. fervens* (basonym). Synonym links through N4Lid: 10.1601/ex.7391. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27429. N4Lid DOI: 10.1601/nm.6988

† *Streptovercillium fervens subsp. fervens*^{AL} Baldacci and Locci 1974. ==> *Streptomyces fervens subsp. fervens* (new combination). Synonym links through N4Lid: 10.1601/ex.7391. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27429. N4Lid DOI: 10.1601/nm.7391

"*Streptomyces fervens subsp. melrosporus*" † *Streptovercillium fervens subsp. melrosporus* (illegitimate name), links through 10.1601./<link>. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 3117. N4Lid DOI: 10.1601/nm.6989

† *Streptovercillium fervens subsp. melrosporus*^{AL} Mason et al. 1965. ==> *Streptomyces fervens subsp. melrosporus* (new combination, illegitimate). Synonym links through N4Lid: 10.1601/ex.7392. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 3117. N4Lid DOI: 10.1601/nm.7392

Streptomyces filamentosus^{AL} Okami and Umezawa 1953. ≈ *Streptomyces roseosporus* (later heterotypic synonym), links through 10.1601./nm.6990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19753. N4Lid DOI: 10.1601/nm.6990

† *Streptomyces roseosporus*^{AL} Falcão de Morais and Dália Maia 1961. ≈ *Streptomyces filamentosus* (earlier heterotypic synonym), links through 10.1601./nm.6990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23958. N4Lid DOI: 10.1601/nm.7244

Streptomyces filipinensis^{AL} Ammann et al. 1955. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23905. N4Lid DOI: 10.1601/nm.6991

Streptomyces fimbriatus^{AL} (Millard and Burr 1926) Waksman and Lechevalier 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15051. N4Lid DOI: 10.1601/nm.6992

Streptomyces fimicarius^{AL} (Duché 1934) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25449. N4Lid DOI: 10.1601/nm.6993

Streptomyces finlayi^{AL} (Szabó et al. 1963) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23340. N4Lid DOI: 10.1601/nm.6994

Streptomyces flaveolus^{AL} (Waksman 1923) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 3319. N4Lid DOI: 10.1601/nm.6995

† *Microellobosporia flavea*^{AL} Cross et al. 1963. ==> *Streptomyces flaveus* (new combination). Synonym links through N4Lid: 10.1601/ex.6996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15332. N4Lid DOI: 10.1601/nm.9018

Streptomyces flaveus^{VP} (Cross et al. 1963) Goodfellow et al. 1986. <== *Microellobosporia flavea* (basonym). Synonym links through N4Lid: 10.1601/ex.6996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15332. N4Lid DOI: 10.1601/nm.6996

Streptomyces flavidofuscus^{VP} Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43683. N4Lid DOI: 10.1601/nm.6997

- Streptomyces flavidovirens*^{AL} (Kudrina 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19900. N4Lid DOI: 10.1601/nm.6998
- Streptomyces flaviscleroticus*^{VP} *Chainia flava* (illegitimate name), links through 10.1601./<link>. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19347. N4Lid DOI: 10.1601/nm.6999
- † *Streptomyces minutiscleroticus*^{AL} (Thirumalachar 1965) Pridham 1970. ≈ *Streptomyces flaviscleroticus* (later heterotypic synonym), links through 10.1601./nm.7148. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19347. N4Lid DOI: 10.1601/nm.7148
- † *Chainia flava*^{AL} Thirumalachar and Sukapure 1964. ≈ *Chainia minutisclerotica* (earlier heterotypic synonym), links through 10.1601./nm.9027. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19347. N4Lid 10.1601/nm.9024
- † *Chainia minutisclerotica*^{AL} Thirumalachar et al. 1965. == *Chainia flava* (later homotypic synonym), links through 10.1601./ex.7148. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 17757. N4Lid 10.1601/nm.9027
- Streptomyces flavofungini*^{VP} (ex Uri and Bekesi) Szabó and Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27430. N4Lid DOI: 10.1601/nm.7000
- Streptomyces flavofuscus*^{VP} (Kudrina 1957) Preobrazhenskaya 1986. <== *Streptomyces globisporus subsp. flavofuscus* (basonym). Synonym links through N4Lid: 10.1601/ex.7030. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19908. N4Lid DOI: 10.1601/nm.7001
- † *Streptomyces globisporus subsp. flavofuscus*^{AL} (Kudrina 1957) Pridham et al. 1958. ==> *Streptomyces flavofuscus* (new combination). Synonym links through N4Lid: 10.1601/ex.7030. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19908. N4Lid DOI: 10.1601/nm.7030
- Streptomyces flavogriseus*^{AL} (Duché 1934) Waksman and Lechevalier 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25452. High-quality 16S rRNA sequence S000085577 (RDP), AJ494864 (Genbank). N4Lid DOI: 10.1601/nm.7002
- Streptomyces flavopersicus*^{VP} (Oliver et al. 1961) Witt and Stackebrandt 1991. <== *Streptoverticillium flavopersicum* (basonym). Synonym links through N4Lid: 10.1601/ex.7393. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 2820. N4Lid DOI: 10.1601/nm.7003
- † *Streptoverticillium flavopersicum*^{AL} (Oliver et al. 1961) Locci et al. 1969. ==> *Streptomyces flavopersicus* (new combination). Synonym links through N4Lid: 10.1601/ex.7393. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 2820. N4Lid DOI: 10.1601/nm.7393
- Streptomyces flavotricini*^{AL} (Preobrazhenskaya and Sveshnikova 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23621. N4Lid DOI: 10.1601/nm.7004
- Streptomyces flavovariabilis*^{VP} (ex Korenyako and Nikitina) Sveshnikova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43684. High-quality 16S rRNA sequence S000544213 (RDP), AJ781334 (Genbank). N4Lid DOI: 10.1601/nm.7005
- Streptomyces flavovirens*^{AL} (Waksman 1923) Waksman and Henrici 1948. ≈ *Streptomyces nigrifaciens* (later heterotypic synonym), links through 10.1601./nm.7006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 3320. N4Lid DOI: 10.1601/nm.7006
- † *Streptomyces nigrifaciens*^{AL} Waksman 1961. ≈ *Streptomyces flavovirens* (earlier heterotypic synonym), links through 10.1601./nm.7006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19791. N4Lid DOI: 10.1601/nm.7165
- Streptomyces flavoviridis*^{VP} (ex Preobrazhenskaya et al.) Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19903. N4Lid DOI: 10.1601/nm.7007

- Streptomyces flocculus*^{AL} (Duché 1934) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25453. N4Lid DOI: 10.1601/nm.7008
- Streptomyces floridae*^{AL} Bartz et al. 1951. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 2423. N4Lid DOI: 10.1601/nm.7009
- Streptomyces fradiae*^{AL} (Waksman and Curtis 1916) Waksman and Henrici 1948. ≈ *Streptomyces roseoflavus* (later heterotypic synonym), links through 10.1601./nm.7011. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 10745. N4Lid DOI: 10.1601/nm.7011
- † *Streptomyces roseoflavus*^{AL} Arai 1951. ≈ *Streptomyces fradiae* (earlier heterotypic synonym), links through 10.1601./nm.7011. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13167. N4Lid DOI: 10.1601/nm.7240
- Streptomyces fragilis*^{AL} Anderson et al. 1956. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23908. N4Lid DOI: 10.1601/nm.7012
- Streptomyces fulvissimus*^{AL} (Jensen 1930) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27431. N4Lid DOI: 10.1601/nm.7013
- Streptomyces fulvoroebus*^{VP} Vinogradova and Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24329. High-quality 16S rRNA sequence S000544210 (RDP), AJ781331 (Genbank). N4Lid DOI: 10.1601/nm.7014
- Streptomyces fumanus*^{AL} (Sveshnikova 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19904. High-quality 16S rRNA sequence S000015759 (RDP), AJ399463 (Genbank). N4Lid DOI: 10.1601/nm.7015
- † *Streptomyces fumigatiscleroticus*^{VP} (ex Pridham 1970) Goodfellow et al. 1986. *Chainia fumigata* (illegitimate name), links through 10.1601./<link>. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19345. N4Lid DOI: 10.1601/nm.7016
- † *Chainia fumigata*^{AL} Thirumalachar et al. 1966. ≈ *Streptomyces fumigatiscleroticus* (earlier heterotypic synonym), links through 10.1601./nm.7016. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19345. N4Lid 10.1601/nm.9028
- Streptomyces galbus*^{AL} Frommer 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23910. High-quality 16S rRNA sequence S000381284 (RDP), X79852 (Genbank). N4Lid DOI: 10.1601/nm.7017
- Streptomyces galilaeus*^{AL} Ettlinger et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14969. N4Lid DOI: 10.1601/nm.7018
- Streptomyces gancidicus*^{AL} Suzuki 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-1872. N4Lid DOI: 10.1601/nm.7019
- Streptomyces gardneri*^{AL} (Waksman 1942) Waksman 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 9604. N4Lid DOI: 10.1601/nm.7020
- Streptomyces gelaticus*^{AL} (Waksman 1923) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 3323. N4Lid DOI: 10.1601/nm.7021
- Streptomyces geysiriensis*^{AL} Wallhäusser et al. 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15303. N4Lid DOI: 10.1601/nm.7022
- Streptomyces ghanaensis*^{AL} Wallhäusser et al. 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14672. N4Lid DOI: 10.1601/nm.7023
- Streptomyces gibsonii*^{AL} (Erikson 1935) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6852. N4Lid DOI: 10.1601/nm.7024
- Streptomyces glaucescens*^{AL} (Preobrazhenskaya 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23622. N4Lid DOI: 10.1601/nm.7025

- Streptomyces glauciniger*^{VP} Huang et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24320. High-quality 16S rRNA sequence S000484976 (RDP), AY314782 (Genbank). N4Lid 10.1601/nm.8866
- Streptomyces glaucosporus*^{VP} (ex Krasil'nikov et al. 1968) Agre 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25183. N4Lid DOI: 10.1601/nm.7026
- Streptomyces glaucus*^{VP} (ex Lehmann and Schutze 1912) Agre and Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43685. High-quality 16S rRNA sequence S000544211 (RDP), AJ781332 (Genbank). N4Lid DOI: 10.1601/nm.7027
- Streptomyces globisporus subsp. caucasicus*^{AL} (Kudrina 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19907. N4Lid DOI: 10.1601/nm.7029
- Streptomyces globisporus subsp. globisporus*^{AL} (Krasil'nikov 1941) Waksman 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15864. N4Lid DOI: 10.1601/nm.7028
- Streptomyces globosus*^{AL} (Krasil'nikov 1941) Waksman 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14979. High-quality 16S rRNA sequence S000544209 (RDP), AJ781330 (Genbank). N4Lid DOI: 10.1601/nm.7031
- Streptomyces glomeratus*^{VP} (ex Gauze and Sveshnikova) Gause and Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41457. High-quality 16S rRNA sequence S000544264 (RDP), AJ781754 (Genbank). N4Lid DOI: 10.1601/nm.7032
- Streptomyces glomeroaurantiacus*^{AL} (Krasil'nikov and Yuan 1965) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15866. N4Lid DOI: 10.1601/nm.7033
- Streptomyces gobitricini*^{AL} (Preobrazhenskaya and Sveshnikova 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-2596. High-quality 16S rRNA sequence S000544214 (RDP), AJ781335 (Genbank). N4Lid DOI: 10.1601/nm.7034
- Streptomyces goshikiensis*^{AL} Niida 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23914. N4Lid DOI: 10.1601/nm.7035
- Streptomyces gougerotii*^{AL} (Duché 1934) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 10975. High-quality 16S rRNA sequence S000012018 (RDP), Z76687 (Genbank). N4Lid DOI: 10.1601/nm.7036
- Streptomyces graminearus*^{VP} Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16369. High-quality 16S rRNA sequence S000544212 (RDP), AJ781333 (Genbank). N4Lid DOI: 10.1601/nm.7037
- Streptomyces graminofaciens*^{AL} Charney et al. 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12705. High-quality 16S rRNA sequence S000544208 (RDP), AJ781329 (Genbank). N4Lid DOI: 10.1601/nm.7038
- Streptomyces griseinus*^{AL} Waksman 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23915. N4Lid DOI: 10.1601/nm.7039
- Streptomyces griseoaurantiacus*^{AL} (Krasil'nikov and Yuan 1965) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19840. N4Lid DOI: 10.1601/nm.7040
- Streptomyces griseobrunneus*^{AL} Waksman 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19762. N4Lid DOI: 10.1601/nm.7041
- Streptomyces griseocarneus*^{VP} (Benedict et al. 1950) Witt and Stackebrandt 1991. <==
Streptovercillium griseocarneum (basonym). Synonym links through N4Lid: 10.1601/ex.7394. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12628. High-quality 16S rRNA sequence S000270574 (RDP), X99943 (Genbank). N4Lid DOI: 10.1601/nm.7042
- † *Streptovercillium griseocarneum*^{AL} (Benedict et al. 1950) Baldacci et al. 1966. ==>
Streptomyces griseocarneus (new combination). Synonym links through N4Lid: 10.1601/ex.7394.

Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12628. High-quality 16S rRNA sequence S000270574 (RDP), X99943 (Genbank). N4Lid DOI: 10.1601/nm.7394

Streptomyces griseochromogenes^{AL} Fukunaga 1955. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14511. High-quality 16S rRNA sequence S000131089 (RDP), AJ310923 (Genbank). N4Lid DOI: 10.1601/nm.7043

Streptomyces griseoflavus^{AL} (Krainsky 1914) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25456. High-quality 16S rRNA sequence S000544201 (RDP), AJ781322 (Genbank). N4Lid DOI: 10.1601/nm.7044

Streptomyces griseofuscus^{AL} Sakamoto et al. 1962. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23916. N4Lid DOI: 10.1601/nm.7045

Streptomyces griseoincarnatus^{AL} (Preobrazhenskaya et al. 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23623. High-quality 16S rRNA sequence S000544200 (RDP), AJ781321 (Genbank). N4Lid DOI: 10.1601/nm.7046

Streptomyces griseoloalbus^{AL} (Kudrina 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23624. N4Lid DOI: 10.1601/nm.7047

Streptomyces griseolosporeus^{VP} Wellington et al. 1992. <== *Kitasatospora griseola* (basonym). Synonym links through N4Lid: 10.1601/ex.7048. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16229. High-quality 16S rRNA sequence S000436291 (RDP), M55221 (Genbank). N4Lid DOI: 10.1601/nm.7048

† *Kitasatospora griseola*^{VP} corrig. Takahashi et al. 1985. ==> *Streptomyces griseolosporeus* (new combination). Synonym links through N4Lid: 10.1601/ex.7048. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16229. High-quality 16S rRNA sequence S000436291 (RDP), M55221 (Genbank). N4Lid DOI: 10.1601/nm.7363

Streptomyces griseolus^{AL} (Waksman 1923) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 3325. N4Lid DOI: 10.1601/nm.7049

Streptomyces griseoluteus^{AL} Umezawa et al. 1950. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12768. N4Lid DOI: 10.1601/nm.7050

Streptomyces griseomycini^{AL} (Preobrazhenskaya et al. 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23625. N4Lid DOI: 10.1601/nm.7051

Streptomyces griseoplanus^{AL} Backus et al. 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19766. N4Lid DOI: 10.1601/nm.7052

Streptomyces griseorubens^{AL} (Preobrazhenskaya et al. 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19909. N4Lid DOI: 10.1601/nm.7053

Streptomyces griseoruber^{AL} Yamaguchi and Saburi 1955. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23919. N4Lid DOI: 10.1601/nm.7054

Streptomyces griseorubiginosus^{AL} (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23627. High-quality 16S rRNA sequence S000005155 (RDP), AJ399488 (Genbank). N4Lid DOI: 10.1601/nm.7055

Streptomyces griseosporus^{AL} Niida and Ogasawara 1960. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27435. N4Lid DOI: 10.1601/nm.7056

Streptomyces griseostramineus^{AL} (Preobrazhenskaya et al. 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23628. N4Lid DOI: 10.1601/nm.7057

Streptomyces griseovorticillatus^{VP} (Shinobu and Shimada 1962) Witt and Stackebrandt 1991. <== *Streptovorticillium griseovorticillatum* (basonym). Synonym links through N4Lid: 10.1601/ex.7395. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27436. N4Lid DOI: 10.1601/nm.7058

† *Streptovercillium griseovercillatum*^{AL} (Shinobu and Shimada 1962) Locci et al. 1969. ==> *Streptomyces griseovercillatus* (new combination). Synonym links through N4Lid: 10.1601/ex.7395. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27436. N4Lid DOI: 10.1601/nm.7395

† *Streptomyces griseoviridis*^{AL} Anderson et al. 1956. ≈ *Streptomyces argenteolus* (later heterotypic synonym), links through 10.1601./nm.7059. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23920. N4Lid DOI: 10.1601/nm.7059

Streptomyces griseus subsp. griseus^{AL} (Krainsky 1914) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23345. High-quality 16S rRNA sequence S000428179 (RDP), AF056711 (Genbank). N4Lid DOI: 10.1601/nm.7060

† *Streptomyces argenteolus*^{AL} Tresner et al. 1961. ≈ *Streptomyces griseus subsp. griseus* (earlier heterotypic synonym), links through 10.1601./nm.7059. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 11009. High-quality 16S rRNA sequence S000011833 (RDP), AB045872 (Genbank). N4Lid DOI: 10.1601/nm.6859

† *Streptomyces caviscabies*^{VP} Goyer et al. 1996. ≈ *Streptomyces griseus subsp. griseus* (earlier heterotypic synonym), links through 10.1601./nm.7060. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51928. High-quality 16S rRNA sequence S000014552 (RDP), AF112160 (Genbank). N4Lid DOI: 10.1601/nm.6913

† *Streptomyces setonii*^{AL} (Millard and Burr 1926) Waksman 1953. ≈ *Streptomyces griseus subsp. griseus* (earlier heterotypic synonym), links through 10.1601./nm.7060. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25497. High-quality 16S rRNA sequence S000439350 (RDP), D63872 (Genbank). N4Lid DOI: 10.1601/nm.7266

Streptomyces griseus subsp. solvifaciens^{AL} Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-1561. N4Lid DOI: 10.1601/nm.7063

Streptomyces guanduensis^{VP} Xu et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 13274. High-quality 16S rRNA sequence S000481158 (RDP), AY876942 (Genbank). N4Lid DOI: 10.1601/nm.10030

Streptomyces hachijoensis^{VP} (Hosoya et al. 1952) Witt and Stackebrandt 1991. <== *Streptovercillium hachijoense* (basonym). Synonym links through N4Lid: 10.1601/ex.7396. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL ISP-5114. N4Lid DOI: 10.1601/nm.7064

† *Streptovercillium hachijoense*^{AL} (Hosoya et al. 1952) Locci et al. 1969. ==> *Streptomyces hachijoensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7396. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL ISP-5114. N4Lid DOI: 10.1601/nm.7396

Streptomyces halstedii^{AL} (Waksman and Curtis 1916) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 10897. N4Lid DOI: 10.1601/nm.7065

Streptomyces hawaiiensis^{AL} Cron et al. 1956. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12236. High-quality 16S rRNA sequence S000010871 (RDP), AJ399466 (Genbank). N4Lid DOI: 10.1601/nm.7066

Streptomyces hebeiensis^{VP} Xu et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41837. High-quality 16S rRNA sequence S000357416 (RDP), AY277529 (Genbank). N4Lid 10.1601/nm.8867

Streptomyces heliomycini^{VP} (ex Braznikova et al. 1958) Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41690. High-quality 16S rRNA sequence S000544222 (RDP), AJ781343 (Genbank). N4Lid DOI: 10.1601/nm.7067

Streptomyces helveticus^{AL} (Krasil'nikov et al. 1965) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19841. N4Lid DOI: 10.1601/nm.7068

Streptomyces herbaricolor^{AL} Kawato and Shinobu 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23922. N4Lid DOI: 10.1601/nm.7069

- Streptomyces hirosheimensis*^{VP} (Shinobu 1955) Witt and Stackebrandt 1991. <== *Streptovercillium hirosheimense* (basonym). Synonym links through N4Lid: 10.1601/ex.7397. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19772. N4Lid DOI: 10.1601/nm.7070
- † *Streptomyces ferraliitis*^{VP} Saintpierre-Bonaccio et al. 2004. ≈ *Streptomyces hirosheimensis* (earlier heterotypic synonym), links through 10.1601/nm.7070. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41836. High-quality 16S rRNA sequence S000484619 (RDP), AY262826 (Genbank). N4Lid 10.1601/nm.8865
- † *Streptovercillium hirosheimense*^{AL} (Shinobu 1955) Farina and Locci 1966. ==> *Streptomyces hirosheimensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7397. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19772. N4Lid DOI: 10.1601/nm.7397
- † *Streptomyces spitsbergensis*^{VP} Wieczorek et al. 1993. ≈ *Streptomyces hirosheimensis* (earlier heterotypic synonym), links through 10.1601/nm.7070. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51269. N4Lid DOI: 10.1601/nm.7279
- Streptomyces hirsutus*^{AL} Ettlinger et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19773. N4Lid DOI: 10.1601/nm.7071
- Streptomyces humidus*^{AL} Nakazawa and Shibata 1956. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12760. N4Lid DOI: 10.1601/nm.7072
- Streptomyces humiferus*^{VP} Goodfellow et al. 1986. <== *Actinopycnidium caeruleum* (basonym). Synonym links through N4Lid: 10.1601/ex.7073. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15719. High-quality 16S rRNA sequence S000143381 (RDP), AF503491 (Genbank). N4Lid DOI: 10.1601/nm.7073
- † *Actinopycnidium caeruleum*^{AL} Krasil'nikov 1962. ==> *Streptomyces humiferus* (new combination). Synonym links through N4Lid: 10.1601/ex.7073. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15719. High-quality 16S rRNA sequence S000143381 (RDP), AF503491 (Genbank). N4Lid 10.1601/nm.9012
- Streptomyces hydrogenans*^{AL} Lindner et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19631. N4Lid DOI: 10.1601/nm.7074
- Streptomyces hygrosopicus subsp. angustmyceticus*^{AL} Yüntsen et al. 1956. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15484. N4Lid DOI: 10.1601/nm.7076
- Streptomyces hygrosopicus subsp. decoyicus*^{AL} Vavra et al. 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL ISP-5087. N4Lid DOI: 10.1601/nm.7077
- Streptomyces hygrosopicus subsp. glebosus*^{AL} Ohmori et al. 1962. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14607. N4Lid DOI: 10.1601/nm.7078
- Streptomyces hygrosopicus subsp. hygrosopicus*^{AL} (Jensen 1931) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27438. High-quality 16S rRNA sequence S000129979 (RDP), AJ391820 (Genbank). N4Lid DOI: 10.1601/nm.7075
- Streptomyces hygrosopicus subsp. ossamyceticus*^{AL} Schmitz et al. 1965. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15420. N4Lid DOI: 10.1601/nm.7079
- Streptomyces iakyrus*^{AL} de Querioz and Albert 1962. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15375. High-quality 16S rRNA sequence S000003569 (RDP), AJ399489 (Genbank). N4Lid DOI: 10.1601/nm.7080
- Streptomyces indiaensis*^{VP} (Gupta 1965) Kudo and Seino 1987. <== *Streptosporangium indianense* (basonym). Synonym links through N4Lid: 10.1601/ex.7438. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33330. High-quality 16S rRNA sequence S000544223 (RDP), AJ781344 (Genbank). N4Lid DOI: 10.1601/nm.7081
- † *Streptosporangium indianense*^{AL} corrig. Gupta 1965. ==> *Streptomyces indiaensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7438. Source of type material

recommended for DOE sponsored genome sequencing by the JGI: ATCC 33330. High-quality 16S rRNA sequence S000544223 (RDP), AJ781344 (Genbank). N4Lid DOI: 10.1601/nm.7438

Streptomyces indigoferus^{AL} Shinobu and Kawato 1960. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23924. N4Lid DOI: 10.1601/nm.7082

Streptomyces indonesiensis^{VP} Sembiring et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41759. High-quality 16S rRNA sequence S000007083 (RDP), AJ391835 (Genbank). N4Lid DOI: 10.1601/nm.7083

Streptomyces intermedius^{AL} (Krüger 1904) Waksman 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 3329. High-quality 16S rRNA sequence S000005910 (RDP), Z76686 (Genbank). N4Lid DOI: 10.1601/nm.7084

Streptomyces inusitatus^{AL} Hasegawa et al. 1978. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33341. High-quality 16S rRNA sequence S000544219 (RDP), AJ781340 (Genbank). N4Lid DOI: 10.1601/nm.7085

Streptomyces ipomoeae^{AL} (Person and Martin 1940) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25462. N4Lid DOI: 10.1601/nm.7086

Streptomyces janthinus^{AL} (Artamonova and Krasil'nikov 1960) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15870. High-quality 16S rRNA sequence S000004385 (RDP), AJ399478 (Genbank). N4Lid DOI: 10.1601/nm.7087

Streptomyces javensis^{VP} Sembiring et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41764. High-quality 16S rRNA sequence S000022378 (RDP), AJ391833 (Genbank). N4Lid DOI: 10.1601/nm.7088

Streptomyces jietaisiensis^{VP} He et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12279. High-quality 16S rRNA sequence S000134752 (RDP), AY314783 (Genbank). N4Lid 10.1601/nm.9584

Streptomyces kanamyceticus^{AL} Okami and Umezawa 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12853. N4Lid DOI: 10.1601/nm.7089

Streptomyces kashimirensis^{VP} (sic) (Gupta and Chopra 1963) Witt and Stackebrandt 1991. <==
Streptovercillium kashmirensense (basonym). Synonym links through N4Lid: 10.1601/ex.7398. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27439. High-quality 16S rRNA sequence S000544216 (RDP), AJ781337 (Genbank). N4Lid DOI: 10.1601/nm.7090

† *Streptovercillium kashmirensense*^{AL} (Gupta and Chopra 1963) Locci et al. 1969. ==>
Streptomyces kashimirensis (new combination). Synonym links through N4Lid: 10.1601/ex.7398. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27439. High-quality 16S rRNA sequence S000544216 (RDP), AJ781337 (Genbank). N4Lid DOI: 10.1601/nm.7398

Streptomyces kasugaensis^{VP} Hamada et al. 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15714. High-quality 16S rRNA sequence S000001861 (RDP), AB024441 (Genbank). N4Lid DOI: 10.1601/nm.7091

Streptomyces katrae^{AL} Gupta and Chopra 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27440. N4Lid DOI: 10.1601/nm.7092

Streptomyces kentuckensis^{VP} (Barr and Carman 1956) Witt and Stackebrandt 1991. <==
Streptovercillium kentuckense (basonym). Synonym links through N4Lid: 10.1601/ex.7399. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-1831. N4Lid DOI: 10.1601/nm.7093

† *Streptovercillium kentuckense*^{AL} (Barr and Carman 1956) Baldacci et al. 1966. ==>
Streptomyces kentuckensis (new combination). Synonym links through N4Lid: 10.1601/ex.7399. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12691. N4Lid DOI: 10.1601/nm.7399

Streptomyces kishiwadensis^{VP} (Shinobu and Kayamura 1964) Witt and Stackebrandt 1991. <==
Streptovercillium kishiwadense (basonym). Synonym links through N4Lid: 10.1601/ex.7400. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC

25464. High-quality 16S rRNA sequence S000544217 (RDP), AJ781338 (Genbank). N4Lid DOI: 10.1601/nm.7095

† *Streptovorticillium kishiwadense*^{AL} (Shinobu and Kayamura 1964) Locci et al. 1969. ==> *Streptomyces kishiwadensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7400. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25464. High-quality 16S rRNA sequence S000544217 (RDP), AJ781338 (Genbank). N4Lid DOI: 10.1601/nm.7400

Streptomyces koyangensis^{VP} Lee et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NBRC 100598. High-quality 16S rRNA sequence S000473202 (RDP), AY079156 (Genbank). N4Lid 10.1601/nm.8868

Streptomyces kunmingensis^{VP} (Ruan et al. 1985) Goodfellow et al. 1986. <== *Chainia kunmingensis* (basonym). Synonym links through N4Lid: 10.1601/ex.7096. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35682. N4Lid DOI: 10.1601/nm.7096

† *Chainia kunmingensis*^{VP} Ruan et al. 1985. ==> *Streptomyces kunmingensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7096. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35682. N4Lid 10.1601/nm.9131

Streptomyces kurssanovii^{AL} (Preobrazhenskaya et al. 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15824. N4Lid DOI: 10.1601/nm.7097

Streptomyces labedae^{VP} Lacey 1987. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-5616. N4Lid DOI: 10.1601/nm.7098

Streptomyces laceyi^{VP} Manfio et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41788. High-quality 16S rRNA sequence S000395648 (RDP), AY094367 (Genbank). N4Lid DOI: 10.1601/nm.7099

Streptomyces ladakanum^{VP} (Hanka et al. 1966) Witt and Stackebrandt 1991. <== *Streptovorticillium ladakanum* (basonym). Synonym links through N4Lid: 10.1601/ex.7401. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 3191. N4Lid DOI: 10.1601/nm.7100

† *Streptovorticillium ladakanum*^{AL} Hanka et al. 1966. ==> *Streptomyces ladakanum* (new combination). Synonym links through N4Lid: 10.1601/ex.7401. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 3191. N4Lid DOI: 10.1601/nm.7401

Streptomyces lanatus^{AL} Frommer 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19775. High-quality 16S rRNA sequence S000005912 (RDP), AJ399469 (Genbank). N4Lid DOI: 10.1601/nm.7101

Streptomyces lateritius^{AL} (Sveshnikova 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19913. High-quality 16S rRNA sequence S000394435 (RDP), AF454764 (Genbank). N4Lid DOI: 10.1601/nm.7102

Streptomyces laurentii^{AL} Trejo et al. 1979. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31255. High-quality 16S rRNA sequence S000544221 (RDP), AJ781342 (Genbank). N4Lid DOI: 10.1601/nm.7103

Streptomyces lavendofoliae^{AL} (Kuchaeva et al. 1961) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15872. High-quality 16S rRNA sequence S000544215 (RDP), AJ781336 (Genbank). N4Lid DOI: 10.1601/nm.7104

Streptomyces lavendulae subsp. grasserius^{AL} (Kuchaeva et al. 1961) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15875. N4Lid DOI: 10.1601/nm.7106

Streptomyces lavendulae subsp. lavendulae^{AL} (Waksman and Curtis 1916) Waksman and Henrici 1948. Synonym links through N4Lid: 10.1601/nm.7105. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 8664. High-quality 16S rRNA sequence S000126700 (RDP), X53173 (Genbank). N4Lid DOI: 10.1601/nm.7105

Streptomyces lavenduligriseus^{VP} (Locci et al. 1969) Witt and Stackebrandt 1991. <== *Streptovorticillium lavenduligriseum* (basonym). Synonym links through N4Lid: 10.1601/ex.7402.

Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13306. N4Lid DOI: 10.1601/nm.7107

† *Streptovercillium lavenduligriseum*^{AL} Locci et al. 1969. ==> *Streptomyces lavenduligriseus* (new combination). Synonym links through N4Lid: 10.1601/ex.7402. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13306. N4Lid DOI: 10.1601/nm.7402

Streptomyces lavendulocolor^{AL} (Kuchaeva et al. 1961) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15871. N4Lid DOI: 10.1601/nm.7108

Streptomyces levis^{VP} Sveshnikova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43686. N4Lid DOI: 10.1601/nm.7109

Streptomyces libani subsp. libani^{AL} Baldacci and Grein 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23732. N4Lid DOI: 10.1601/nm.7110

Streptomyces libani subsp. rufus^{AL} Baldacci and Grein 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23731. High-quality 16S rRNA sequence S000544230 (RDP), AJ781351 (Genbank). N4Lid DOI: 10.1601/nm.7111

Streptomyces lienomycini^{VP} Gause and Maximova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43687. High-quality 16S rRNA sequence S000544232 (RDP), AJ781353 (Genbank). N4Lid DOI: 10.1601/nm.7112

Streptomyces lilacinus^{VP} (Nakazawa et al. 1956) Witt and Stackebrandt 1991. <== *Streptovercillium lilacinum* (basonym). Synonym links through N4Lid: 10.1601/ex.7403. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23930. High-quality 16S rRNA sequence S000544225 (RDP), AJ781346 (Genbank). N4Lid DOI: 10.1601/nm.7113

† *Streptovercillium lilacinum*^{AL} (Nakazawa et al. 1956) Locci et al. 1969. ==> *Streptomyces lilacinus* (new combination). Synonym links through N4Lid: 10.1601/ex.7403. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23930. High-quality 16S rRNA sequence S000544225 (RDP), AJ781346 (Genbank). N4Lid DOI: 10.1601/nm.7403

Streptomyces limosus^{AL} Lindenbein 1952. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19778. High-quality 16S rRNA sequence S000006665 (RDP), Z76679 (Genbank). N4Lid DOI: 10.1601/nm.7114

Streptomyces lincolnensis^{AL} Mason et al. 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25466. High-quality 16S rRNA sequence S000381286 (RDP), X79854 (Genbank). N4Lid DOI: 10.1601/nm.7115

Streptomyces litmocidini^{AL} (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19914. N4Lid DOI: 10.1601/nm.7117

Streptomyces lomondensis^{AL} Johnson and Dietz 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25299. High-quality 16S rRNA sequence S000544231 (RDP), AJ781352 (Genbank). N4Lid DOI: 10.1601/nm.7118

Streptomyces longisporoflavus^{AL} Waksman 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19915. N4Lid DOI: 10.1601/nm.7119

Streptomyces longispororuber^{AL} Waksman 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27443. N4Lid DOI: 10.1601/nm.7120

Streptomyces longisporus^{AL} (Krasil'nikov 1941) Waksman 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23931. High-quality 16S rRNA sequence S000009302 (RDP), AJ399475 (Genbank). N4Lid DOI: 10.1601/nm.7121

Streptomyces longwoodensis^{VP} Prosser and Palleroni 1981. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29251. High-quality 16S rRNA sequence S000544235 (RDP), AJ781356 (Genbank). N4Lid DOI: 10.1601/nm.7122

Streptomyces lucensis^{AL} Arcamone et al. 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 17804. N4Lid DOI: 10.1601/nm.7123

- Streptomyces luridiscabiei*^{VP} Park et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: LMG 21390. High-quality 16S rRNA sequence S000012108 (RDP), AF361784 (Genbank). N4Lid DOI: 10.1601/nm.7124
- Streptomyces luridus*^{AL} (Krasil'nikov et al. 1957) Waksman 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19782. N4Lid DOI: 10.1601/nm.7125
- Streptomyces lusitanus*^{AL} Villax 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15842. N4Lid DOI: 10.1601/nm.7126
- Streptomyces luteireticuli*^{VP} corrig. (ex Katoh and Arai 1957) Hatano et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27446. N4Lid DOI: 10.1601/nm.7128
- Streptomyces luteogriseus*^{AL} Schmitz et al. 1964. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15072. High-quality 16S rRNA sequence S000009303 (RDP), AJ399490 (Genbank). N4Lid DOI: 10.1601/nm.7127
- Streptomyces luteosporus*^{VP} Witt and Stackebrandt 1991. <== *Streptovercillium album* (basonym). Synonym links through N4Lid: 10.1601/ex.7379. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33049. N4Lid DOI: 10.1601/nm.7129
- † *Streptovercillium album*^{AL} Locci et al. 1969. ==> *Streptomyces luteosporus* (new combination). Synonym links through N4Lid: 10.1601/ex.7379. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33049. N4Lid DOI: 10.1601/nm.7379
- Streptomyces luteovercillatus*^{VP} (Shinobu 1956) Witt and Stackebrandt 1991. <== *Streptovercillium luteovercillatum* (basonym). Synonym links through N4Lid: 10.1601/ex.7404. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23933. N4Lid DOI: 10.1601/nm.7130
- † *Streptovercillium luteovercillatum*^{AL} (Shinobu 1956) Locci et al. 1969. ==> *Streptomyces luteovercillatus* (new combination). Synonym links through N4Lid: 10.1601/ex.7404. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23933. N4Lid DOI: 10.1601/nm.7404
- Streptomyces lydicus*^{AL} De Boer et al. 1956. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25470. High-quality 16S rRNA sequence S000016475 (RDP), Y15507 (Genbank). N4Lid DOI: 10.1601/nm.7131
- Streptomyces macrosporus*^{VP} (ex Krasil'nikov et al. 1968) Goodfellow et al. 1988. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51533. High-quality 16S rRNA sequence S000008947 (RDP), Z68099 (Genbank). N4Lid DOI: 10.1601/nm.7132
- Streptomyces malachitofuscus*^{VP} (ex Preobrazhenskaya et al. 1964) Preobrazhenskaya and Terekhova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25471. High-quality 16S rRNA sequence S000544226 (RDP), AJ781347 (Genbank). N4Lid DOI: 10.1601/nm.7133
- Streptomyces malachitospinus*^{VP} (ex Preobrazhenskaya et al. 1957) Preobrazhenskaya and Terekhova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: INA 316. N4Lid DOI: 10.1601/nm.7134
- Streptomyces malaysiensis*^{VP} Al-Tai et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-13. High-quality 16S rRNA sequence S000429250 (RDP), AF117304 (Genbank). N4Lid DOI: 10.1601/nm.7135
- Streptomyces mashuensis*^{VP} (Sawazaki et al. 1955) Witt and Stackebrandt 1991. <== *Streptovercillium mashuense* (basonym). Synonym links through N4Lid: 10.1601/ex.7405. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23934. High-quality 16S rRNA sequence S000381275 (RDP), X79323 (Genbank). N4Lid DOI: 10.1601/nm.7136
- † *Streptovercillium mashuense*^{AL} (Sawazaki et al. 1955) Locci et al. 1969. ==> *Streptomyces mashuensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7405. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23934. High-

quality 16S rRNA sequence S000381275 (RDP), X79323 (Genbank). N4Lid DOI: 10.1601/nm.7405

Streptomyces massasporeus^{AL} Shinobu and Kawato 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19785. High-quality 16S rRNA sequence S000544202 (RDP), AJ781323 (Genbank). N4Lid DOI: 10.1601/nm.7137

Streptomyces matensis^{AL} Margalith et al. 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23935. N4Lid DOI: 10.1601/nm.7138

Streptomyces mauvecolor^{AL} Okami and Umezawa 1960. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29835. High-quality 16S rRNA sequence S000544237 (RDP), AJ781358 (Genbank). N4Lid DOI: 10.1601/nm.7139

Streptomyces mediocidicus^{VP} (Labeda 1988) Wellington et al. 1992. <== *Kitasatospora mediocidica* (basonym). Synonym links through N4Lid: 10.1601/ex.7140. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16109. High-quality 16S rRNA sequence S000438859 (RDP), U93324 (Genbank). N4Lid DOI: 10.1601/nm.7140

† *Kitasatospora mediocidica*^{VP} corrig. Labeda 1988. ==> *Streptomyces mediocidicus* (new combination). Synonym links through N4Lid: 10.1601/ex.7140. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16109. High-quality 16S rRNA sequence S000438859 (RDP), U93324 (Genbank). N4Lid DOI: 10.1601/nm.7365

Streptomyces mediolani^{AL} Arcamone et al. 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL WC-3934. High-quality 16S rRNA sequence S000544233 (RDP), AJ781354 (Genbank). N4Lid DOI: 10.1601/nm.7141

Streptomyces megasporus^{VP} (ex Krasil'nikov et al. 1968) Agre 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43688. High-quality 16S rRNA sequence S000013940 (RDP), Z68100 (Genbank). N4Lid DOI: 10.1601/nm.7142

Streptomyces melanogenes^{AL} Sugawara and Onuma 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23937. N4Lid DOI: 10.1601/nm.7143

Streptomyces melanosporofaciens^{AL} Arcamone et al. 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25473. High-quality 16S rRNA sequence S000009305 (RDP), AJ271887 (Genbank). N4Lid DOI: 10.1601/nm.7144

Streptomyces mexicanus^{VP} Petrosyan et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24196. High-quality 16S rRNA sequence S000394172 (RDP), AF441168 (Genbank). N4Lid DOI: 10.1601/nm.7145

Streptomyces michiganensis^{AL} Corbaz et al. 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14970. N4Lid DOI: 10.1601/nm.7146

Streptomyces microflavus^{AL} (Krainsky 1914) Waksman and Henrici 1948. ≈ *Streptomyces griseus* subsp. *alpha* (later heterotypic synonym), links through 10.1601./nm.7147. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13231. N4Lid DOI: 10.1601/nm.7147

† *Streptomyces griseus* subsp. *alpha*^{AL} (Ciferri 1927) Pridham 1970. ≈ *Streptomyces microflavus* (earlier heterotypic synonym), links through 10.1601./nm.7147. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-2249. N4Lid DOI: 10.1601/nm.7061

† *Streptomyces griseus* subsp. *cretosus*^{AL} Pridham 1970. ≈ *Streptomyces microflavus* (earlier heterotypic synonym), links through 10.1601./nm.7147. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27903. N4Lid DOI: 10.1601/nm.7062

† *Streptomyces lipmanii*^{AL} (Waksman and Curtis 1916) Waksman and Henrici 1948. ≈ *Streptomyces microflavus* (earlier heterotypic synonym), links through 10.1601./nm.7147. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 3331. N4Lid DOI: 10.1601/nm.7116

† *Streptomyces willmorei*^{AL} (Erikson 1935) Waksman and Henrici 1948. ≈ *Streptomyces microflavus* (earlier heterotypic synonym), links through 10.1601./nm.7147. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6867. N4Lid DOI: 10.1601/nm.7344

- Streptomyces mirabilis*^{AL} Ruschmann 1952. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27447. High-quality 16S rRNA sequence S000002270 (RDP), AF112180 (Genbank). N4Lid DOI: 10.1601/nm.7149
- Streptomyces misakiensis*^{AL} Nakamura 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23938. High-quality 16S rRNA sequence S000544204 (RDP), AJ781325 (Genbank). N4Lid DOI: 10.1601/nm.7150
- Streptomyces misionensis*^{AL} Cercos et al. 1962. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14991. N4Lid DOI: 10.1601/nm.7151
- Streptomyces mobaraensis*^{VP} (Nagatsu and Suzuki 1963) Witt and Stackebrandt 1991. <==> *Streptovercillium mobaraense* (basonym). Synonym links through N4Lid: 10.1601/ex.7406. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27441. High-quality 16S rRNA sequence S000128557 (RDP), X53167 (Genbank). N4Lid DOI: 10.1601/nm.7152
- † *Streptovercillium mobaraense*^{AL} (Nagatsu and Suzuki 1963) Locci et al. 1969. ==> *Streptomyces mobaraensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7406. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29032. High-quality 16S rRNA sequence S000128557 (RDP), X53167 (Genbank). N4Lid DOI: 10.1601/nm.7406
- Streptomyces monomycini*^{VP} Gause and Terekhova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24309. N4Lid DOI: 10.1601/nm.7153
- Streptomyces morookaense*^{VP} (sic) (Locci and Schofield 1989) Witt and Stackebrandt 1991. <==> *Streptovercillium morookaense* (basonym). Synonym links through N4Lid: 10.1601/ex.7407. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-12429. N4Lid DOI: 10.1601/nm.7154
- † *Streptovercillium morookaense*^{VP} (ex Niida et al. 1963) Locci and Schofield 1989. ==> *Streptomyces morookaense* (new combination). Synonym links through N4Lid: 10.1601/ex.7407. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-12429. N4Lid DOI: 10.1601/nm.7407
- Streptomyces murinus*^{AL} Frommer 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19788. N4Lid DOI: 10.1601/nm.7155
- Streptomyces mutabilis*^{AL} (Preobrazhenskaya and Ryabova 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19919. N4Lid DOI: 10.1601/nm.7156
- Streptomyces mutomycini*^{VP} Gause and Maximova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43689. High-quality 16S rRNA sequence S000544236 (RDP), AJ781357 (Genbank). N4Lid DOI: 10.1601/nm.7157
- Streptomyces naganishii*^{AL} Yamaguchi and Saburi 1955. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23939. N4Lid DOI: 10.1601/nm.7158
- Streptomyces narbonensis*^{AL} Corbaz et al. 1955. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19790. N4Lid DOI: 10.1601/nm.7159
- Streptomyces nashvillensis*^{AL} McVeigh and Reyes 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25476. N4Lid DOI: 10.1601/nm.7160
- Streptomyces neyagawaensis*^{AL} Yamamoto et al. 1960. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27449. High-quality 16S rRNA sequence S000439347 (RDP), D63869 (Genbank). N4Lid DOI: 10.1601/nm.7162
- Streptomyces niger*^{VP} (Thirumalachar 1955) Goodfellow et al. 1986. <==> *Chainia nigra* (basonym). Synonym links through N4Lid: 10.1601/ex.7163. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 17756. High-quality 16S rRNA sequence S000270584 (RDP), AJ621607 (Genbank). N4Lid DOI: 10.1601/nm.7163
- † *Chainia nigra*^{AL} Thirumalachar 1955. ==> *Streptomyces niger* (new combination). Synonym links through N4Lid: 10.1601/ex.7163. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 17756. High-quality 16S rRNA sequence S000270584 (RDP), AJ621607 (Genbank). N4Lid DOI: 10.1601/nm.8997

- Streptomyces nigrescens*^{AL} (Sveshnikova 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23941. N4Lid DOI: 10.1601/nm.7164
- Streptomyces nitrosporeus*^{AL} Okami 1952. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12769. N4Lid DOI: 10.1601/nm.7166
- Streptomyces niveiscabiei*^{VP} Park et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 14787. N4Lid DOI: 10.1601/nm.7167
- Streptomyces niveoruber*^{AL} Ettlinger et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14971. N4Lid DOI: 10.1601/nm.7168
- Streptomyces noboritoensis*^{AL} Isono et al. 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25477. N4Lid DOI: 10.1601/nm.7170
- Streptomyces nodosus*^{AL} Trejo 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14899. N4Lid DOI: 10.1601/nm.7171
- Streptomyces nogalater*^{AL} Bhuyan and Dietz 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27451. N4Lid DOI: 10.1601/nm.7172
- Streptomyces nojiriensis*^{AL} Ishida et al. 1967. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29781. High-quality 16S rRNA sequence S000544234 (RDP), AJ781355 (Genbank). N4Lid DOI: 10.1601/nm.7173
- Streptomyces noursei*^{AL} Brown et al. 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 11455. GOLD ID: Gi00628. GCAT ID: 001576_GCAT. Entrez genome id: 13659. Sequenced strain: ATCC 11455 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.7174
- Streptomyces novaecaesareae*^{AL} Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27452. N4Lid DOI: 10.1601/nm.7175
- Streptomyces ochraceiscleroticus*^{AL} Pridham 1970. == *Chainia ochracea* (earlier homotypic synonym), links through 10.1601/ex.7176. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15814. N4Lid DOI: 10.1601/nm.7176
- † *Chainia ochracea*^{AL} Kuznetsov 1962. == *Streptomyces ochraceiscleroticus* (later homotypic synonym), links through 10.1601/ex.7176. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15814. N4Lid 10.1601/nm.9013
- Streptomyces odorifer*^{AL} (Rullmann 1895) Waksman 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6246. High-quality 16S rRNA sequence S000001636 (RDP), Z76682 (Genbank). N4Lid DOI: 10.1601/nm.7177
- Streptomyces olivaceiscleroticus*^{AL} Pridham 1970. == *Chainia olivacea* (earlier homotypic synonym), links through 10.1601/ex.7178. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15722. High-quality 16S rRNA sequence S000271817 (RDP), AJ621606 (Genbank). N4Lid DOI: 10.1601/nm.7178
- † *Chainia olivacea*^{AL} Thirumalachar and Sukapure 1964. == *Streptomyces olivaceiscleroticus* (later homotypic synonym), links through 10.1601/ex.7178. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15722. High-quality 16S rRNA sequence S000271817 (RDP), AJ621606 (Genbank). N4Lid 10.1601/nm.9025
- Streptomyces olivaceoviridis*^{AL} (Preobrazhenskaya and Ryabova 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23630. N4Lid DOI: 10.1601/nm.7179
- Streptomyces olivaceus*^{AL} (Waksman 1923) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 3335. N4Lid DOI: 10.1601/nm.7180
- Streptomyces olivochromogenes*^{AL} (Waksman 1923) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-1341. High-quality 16S rRNA sequence S000395651 (RDP), AY094370 (Genbank). N4Lid DOI: 10.1601/nm.7181
- Streptomyces olivomycini*^{VP} (Gause and Sveshnikova 1986) Witt and Stackebrandt 1991. <== *Streptoverticillium olivomycini* (basonym). Synonym links through N4Lid: 10.1601/ex.7409.

Source of type material recommended for DOE sponsored genome sequencing by the JGI: INA 16749. N4Lid DOI: 10.1601/nm.7182

† *Streptovorticillium olivomycini*^{VP} Gause and Sveshnikova 1986. ==> *Streptomyces olivomycini* (new combination). Synonym links through N4Lid: 10.1601/ex.7409. Source of type material recommended for DOE sponsored genome sequencing by the JGI: INA 16749. N4Lid DOI: 10.1601/nm.7409

"*Streptomyces olivoreticuli* subsp. *cellulophilus*" *Streptovorticillium olivoreticuli* subsp. *cellulophilum* (illegitimate name), links through 10.1601./<link>. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21632. N4Lid DOI: 10.1601/nm.7184

† *Streptovorticillium olivoreticuli* subsp. *cellulophilum*^{VP} corrig. (ex Anonymous 1973) Locci and Schofield 1989. ==> *Streptomyces olivoreticuli* subsp. *cellulophilus* (new combination, illegitimate). Synonym links through N4Lid: 10.1601/ex.7411. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21632. N4Lid DOI: 10.1601/nm.7411

Streptomyces olivoreticuli subsp. *olivoreticuli*^{VP} (Arai et al. 1957) Witt and Stackebrandt 1991. <== *Streptovorticillium olivoreticuli* subsp. *olivoreticuli* (basonym). Synonym links through N4Lid: 10.1601/ex.7410. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21632. High-quality 16S rRNA sequence S000544224 (RDP), AJ781345 (Genbank). N4Lid DOI: 10.1601/nm.7183

† *Streptovorticillium olivoreticuli* subsp. *olivoreticuli*^{VP} corrig. (Arai et al. 1957) Baldacci et al. 1966. ==> *Streptomyces olivoreticuli* subsp. *olivoreticuli* (new combination). Synonym links through N4Lid: 10.1601/ex.7410. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23943. High-quality 16S rRNA sequence S000544224 (RDP), AJ781345 (Genbank). N4Lid DOI: 10.1601/nm.7410

Streptomyces olivovorticillatus^{VP} (Shinobu 1956) Witt and Stackebrandt 1991. <== *Streptovorticillium olivovorticillatum* (basonym). Synonym links through N4Lid: 10.1601/ex.7412. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL ISP-5250. N4Lid DOI: 10.1601/nm.7185

† *Streptovorticillium olivovorticillatum*^{AL} (Shinobu 1956) Baldacci et al. 1966. ==> *Streptomyces olivovorticillatus* (new combination). Synonym links through N4Lid: 10.1601/ex.7412. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL ISP-5250. N4Lid DOI: 10.1601/nm.7412

Streptomyces olivoviridis^{AL} (Kuchaeva et al. 1960) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15882. N4Lid DOI: 10.1601/nm.7186

Streptomyces omiyaensis^{AL} Umezawa and Okami 1950. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27454. N4Lid DOI: 10.1601/nm.7187

Streptomyces orinoci^{VP} (Cassinelli et al. 1967) Witt and Stackebrandt 1991. <== *Streptovorticillium orinoci* (basonym). Synonym links through N4Lid: 10.1601/ex.7413. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23202. N4Lid DOI: 10.1601/nm.7188

† *Streptovorticillium orinoci*^{AL} Cassinelli et al. 1967. ==> *Streptomyces orinoci* (new combination). Synonym links through N4Lid: 10.1601/ex.7413. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23202. N4Lid DOI: 10.1601/nm.7413

Streptomyces pactum^{AL} Bhuyan et al. 1962. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27456. N4Lid DOI: 10.1601/nm.7189

Streptomyces paradoxus^{VP} Goodfellow et al. 1986. <== *Actinosporangium violaceum* (basonym). Synonym links through N4Lid: 10.1601/ex.7191. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15813. N4Lid DOI: 10.1601/nm.7191

† *Actinosporangium violaceum*^{AL} Krasil'nikov and Yuan 1961. ==> *Streptomyces paradoxus* (new combination). Synonym links through N4Lid: 10.1601/ex.7191. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15813. N4Lid DOI: 10.1601/nm.9004

- Streptomyces parvisporogenes*^{VP} (Locci et al. 1969) Witt and Stackebrandt 1991. <==
Streptovorticillium parvisporogenes (basonym). Synonym links through N4Lid: 10.1601/ex.7414. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12568. High-quality 16S rRNA sequence S000544227 (RDP), AJ781348 (Genbank). N4Lid DOI: 10.1601/nm.7192
- † *Streptovorticillium parvisporogenes*^{AL} corrig. Locci et al. 1969. ==> *Streptomyces parvisporogenes* (new combination). Synonym links through N4Lid: 10.1601/ex.7414. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12568. High-quality 16S rRNA sequence S000544227 (RDP), AJ781348 (Genbank). N4Lid DOI: 10.1601/nm.7414
- Streptomyces parvulus*^{AL} corrig. Waksman and Gregory 1954. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12434. N4Lid DOI: 10.1601/nm.7193
- Streptomyces parvus*^{AL} (Krainsky 1914) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12433. N4Lid DOI: 10.1601/nm.7194
- Streptomyces paucisporeus*^{VP} Xu et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 13276. High-quality 16S rRNA sequence S000481159 (RDP), AY876943 (Genbank). N4Lid DOI: 10.1601/nm.10031
- Streptomyces peucetius*^{AL} Grein et al. 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29050. High-quality 16S rRNA sequence S000022092 (RDP), AB045887 (Genbank). GOLD ID: Gi00629. GCAT ID: 001577_GCAT. Entrez genome id: 13658. Sequenced strain: ATCC 27952 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.7195
- Streptomyces phaeochromogenes*^{AL} (Conn 1917) Waksman 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 3338. High-quality 16S rRNA sequence S000008719 (RDP), AF500071 (Genbank). N4Lid DOI: 10.1601/nm.7196
- Streptomyces phaeofaciens*^{AL} Maeda et al. 1952. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15034. N4Lid DOI: 10.1601/nm.7197
- Streptomyces phaeopurpureus*^{AL} Shinobu 1957. ≈ *Streptomyces phaeoviridis* (later heterotypic synonym), links through 10.1601/nm.7198. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23946. N4Lid DOI: 10.1601/nm.7198
- † *Streptomyces phaeoviridis*^{AL} Shinobu 1957. ≈ *Streptomyces phaeopurpureus* (earlier heterotypic synonym), links through 10.1601/nm.7198. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23947. N4Lid DOI: 10.1601/nm.7199
- Streptomyces pharetrae*^{VP} Le Roes and Meyers 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24333. High-quality 16S rRNA sequence S000549403 (RDP), AY699792 (Genbank). N4Lid DOI: 10.1601/nm.9689
- Streptomyces phosalacineus*^{VP} (Takahashi et al. 1985) Wellington et al. 1992. <==
Kitasatospora phosalacinea (basonym). Synonym links through N4Lid: 10.1601/ex.7200. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16230. High-quality 16S rRNA sequence S000436292 (RDP), M55223 (Genbank). N4Lid DOI: 10.1601/nm.7200
- † *Kitasatospora phosalacinea*^{VP} corrig. Takahashi et al. 1985. ==> *Streptomyces phosalacineus* (new combination). Synonym links through N4Lid: 10.1601/ex.7200. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16230. High-quality 16S rRNA sequence S000436292 (RDP), M55223 (Genbank). N4Lid DOI: 10.1601/nm.7369
- Streptomyces pilosus*^{AL} Ettlinger et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19797. N4Lid DOI: 10.1601/nm.7201
- Streptomyces platensis*^{AL} Tresner and Backus 1956. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13865. High-quality 16S rRNA sequence S000005383 (RDP), AB045882 (Genbank). N4Lid DOI: 10.1601/nm.7202
- Streptomyces plicatus*^{AL} Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25483. N4Lid DOI: 10.1601/nm.7203

- Streptomyces pluricologrescens*^{AL} Okami and Umezawa 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19798. N4Lid DOI: 10.1601/nm.7204
- Streptomyces polychromogenes*^{AL} Hagemann et al. 1964. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12595. N4Lid DOI: 10.1601/nm.7205
- Streptomyces poonensis*^{AL} (Thirumalachar 1960) Pridham 1970. == *Chainia poonensis* (earlier homotypic synonym), links through 10.1601./ex.7206. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15723. N4Lid DOI: 10.1601/nm.7206
- † *Chainia poonensis*^{AL} Thirumalachar 1960. == *Streptomyces poonensis* (later homotypic synonym), links through 10.1601./ex.7206. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15723. N4Lid 10.1601/nm.9000
- Streptomyces praecox*^{AL} (Millard and Burr 1926) Waksman 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 3374. N4Lid DOI: 10.1601/nm.7207
- Streptomyces prasinopilosus*^{AL} Ettlinger et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19799. N4Lid DOI: 10.1601/nm.7208
- Streptomyces prasinosporus*^{AL} Tresner et al. 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 17918. N4Lid DOI: 10.1601/nm.7209
- Streptomyces prasinus*^{AL} Ettlinger et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19800. N4Lid DOI: 10.1601/nm.7210
- Streptomyces prunicolor*^{AL} (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25487. N4Lid DOI: 10.1601/nm.7211
- Streptomyces psammoticus*^{AL} Virgilio and Hengeller 1960. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-3291. N4Lid DOI: 10.1601/nm.7212
- Streptomyces pseudoehinosporus*^{VP} Goodfellow et al. 1986. <== *Microellobosporia grisea* (basonym). Synonym links through N4Lid: 10.1601/ex.7213. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19618. N4Lid DOI: 10.1601/nm.7213
- † *Microellobosporia grisea*^{AL} (Konev et al. 1967) Pridham 1970. ==> *Streptomyces pseudoehinosporus* (new combination). Synonym links through N4Lid: 10.1601/ex.7213. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19618. N4Lid 10.1601/nm.9049
- Streptomyces pseudogriseolus*^{AL} Okami and Umezawa 1955. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12770. N4Lid DOI: 10.1601/nm.7214
- Streptomyces pseudovenezuelae*^{AL} (Kuchaeva et al. 1961) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23951. High-quality 16S rRNA sequence S000007833 (RDP), AJ399481 (Genbank). N4Lid DOI: 10.1601/nm.7215
- Streptomyces pulveraceus*^{AL} Shibata et al. 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13875. High-quality 16S rRNA sequence S000544256 (RDP), AJ781377 (Genbank). N4Lid DOI: 10.1601/nm.7216
- Streptomyces puniceus*^{AL} Patelski 1951. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19801. N4Lid DOI: 10.1601/nm.7217
- Streptomyces puniscabiei*^{VP} Park et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: LMG 21391. High-quality 16S rRNA sequence S000009787 (RDP), AF361785 (Genbank). N4Lid DOI: 10.1601/nm.7218
- Streptomyces purpeofuscus*^{AL} Yamaguchi and Saburi 1955. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23952. High-quality 16S rRNA sequence S000544243 (RDP), AJ781364 (Genbank). N4Lid DOI: 10.1601/nm.7219
- Streptomyces purpurascens*^{AL} Lindenbein 1952. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25489. High-quality 16S rRNA sequence S000126814 (RDP), AJ310925 (Genbank). N4Lid DOI: 10.1601/nm.7220
- Streptomyces purpureus*^{VP} (Matsumae and Hata 1968) Goodfellow et al. 1986. <== *Kitasatoa purpurea* (basonym). Synonym links through N4Lid: 10.1601/ex.7221. Source of type material

recommended for DOE sponsored genome sequencing by the JGI: ATCC 21405. High-quality 16S rRNA sequence S000544203 (RDP), AJ781324 (Genbank). N4Lid DOI: 10.1601/nm.7221

† *Kitasatoa diplospora*^{AL} Matsumae et al. 1968. ==><synonym>Kitasatoa purpurea</synonym> *Kitasatoa kauaiensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7221. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27788. High-quality 16S rRNA sequence S000544203 (RDP), AJ781324 (Genbank). N4Lid 10.1601/nm.9035

† *Kitasatoa kauaiensis*^{AL} Matsumae et al. 1968. <==<synonym>Kitasatoa purpurea</synonym> *Kitasatoa diplospora* (basonym). Synonym links through N4Lid: 10.1601/ex.7221. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21405. High-quality 16S rRNA sequence S000544203 (RDP), AJ781324 (Genbank). N4Lid 10.1601/nm.9036

† *Kitasatoa nagasakiensis*^{AL} Matsumae and Hata 1968. <==<synonym>Kitasatoa purpurea</synonym> *Kitasatoa diplospora* (basonym). Synonym links through N4Lid: 10.1601/ex.7221. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27789. High-quality 16S rRNA sequence S000544203 (RDP), AJ781324 (Genbank). N4Lid 10.1601/nm.9037

† *Kitasatoa purpurea*^{AL} Matsumae and Hata 1968. ==> *Streptomyces purpureus* (new combination). Synonym links through N4Lid: 10.1601/ex.7221. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21405. High-quality 16S rRNA sequence S000544203 (RDP), AJ781324 (Genbank). N4Lid 10.1601/nm.9038

† *Chainia purpurogena*^{AL} Thirumalachar and Sukapure 1964. == *Streptomyces purpurogeniscleroticus* (later homotypic synonym), links through 10.1601/ex.7222. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19348. High-quality 16S rRNA sequence S000271004 (RDP), AJ621604 (Genbank). N4Lid 10.1601/nm.9026

Streptomyces purpurogeniscleroticus^{AL} Pridham 1970. == *Chainia purpurogena* (earlier homotypic synonym), links through 10.1601/ex.7222. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19348. High-quality 16S rRNA sequence S000271004 (RDP), AJ621604 (Genbank). N4Lid DOI: 10.1601/nm.7222

Streptomyces racemochromogenes^{AL} Sugai 1956. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-5430. N4Lid DOI: 10.1601/nm.7223

Streptomyces rameus^{AL} Shibata 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21273. High-quality 16S rRNA sequence S000544258 (RDP), AJ781379 (Genbank). N4Lid DOI: 10.1601/nm.7224

Streptomyces ramulosus^{AL} Ettlinger et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19802. N4Lid DOI: 10.1601/nm.7225

Streptomyces rangoonensis^{AL} corrig. (Erikson 1935) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 6860. High-quality 16S rRNA sequence S000544245 (RDP), AJ781366 (Genbank). N4Lid DOI: 10.1601/nm.7226

Streptomyces recifensis^{AL} (Gonçalves de Lima et al. 1955) Falcão de Moraes et al. 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19803. N4Lid DOI: 10.1601/nm.7227

Streptomyces reactivicillatus^{VP} (Krasil'nikov and Yuan 1965) Witt and Stackebrandt 1991. <==> *Streptovorticillium reactivicillatum* (basonym). Synonym links through N4Lid: 10.1601/ex.7415. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19845. N4Lid DOI: 10.1601/nm.7228

† *Streptovorticillium reactivicillatum*^{AL} (Krasil'nikov and Yuan 1965) Locci et al. 1969. ==> *Streptomyces reactivicillatus* (new combination). Synonym links through N4Lid: 10.1601/ex.7415. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19845. N4Lid DOI: 10.1601/nm.7415

Streptomyces rectiviolaceus^{VP} (ex Artamonova) Sveshnikova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43690. N4Lid DOI: 10.1601/nm.7229

Streptomyces regensis^{AL} Gupta et al. 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27461. N4Lid DOI: 10.1601/nm.7230

- Streptomyces resistomycificus*^{AL} Lindenbein 1952. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19804. High-quality 16S rRNA sequence S000129857 (RDP), AJ310926 (Genbank). N4Lid DOI: 10.1601/nm.7231
- Streptomyces reticuliscabiei*^{VP} Bouček-Mechiche et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41804. High-quality 16S rRNA sequence S000012074 (RDP), AJ007428 (Genbank). N4Lid DOI: 10.1601/nm.7232
- Streptomyces rhizosphaericus*^{VP} corrig. Sembiring et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41760. High-quality 16S rRNA sequence S000005612 (RDP), AJ391834 (Genbank). N4Lid DOI: 10.1601/nm.7233
- Streptomyces rimosus subsp. paromomycinus*^{AL} Coffey et al. 1959. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14827. High-quality 16S rRNA sequence S000271818 (RDP), AJ621610 (Genbank). N4Lid DOI: 10.1601/nm.7235
- Streptomyces rimosus subsp. rimosus*^{AL} Sobin et al. 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 10970. High-quality 16S rRNA sequence S000007214 (RDP), AB045883 (Genbank). N4Lid DOI: 10.1601/nm.7234
- Streptomyces rishiriensis*^{AL} Kawaguchi et al. 1965. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14812. N4Lid DOI: 10.1601/nm.7236
- Streptomyces rochei*^{AL} Berger et al. 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 10739. N4Lid DOI: 10.1601/nm.7237
- Streptomyces roseiscleroticus*^{AL} Pridham 1970. == *Chainia rosea* (earlier homotypic synonym), links through 10.1601/ex.7238. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 17755. N4Lid DOI: 10.1601/nm.7238
- † *Chainia rosea*^{AL} Thirumalachar 1966. == *Streptomyces roseiscleroticus* (later homotypic synonym), links through 10.1601/ex.7238. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 17755. N4Lid 10.1601/nm.9029
- Streptomyces roseofulvus*^{AL} (Preobrazhenskaya 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19921. N4Lid DOI: 10.1601/nm.7241
- Streptomyces roseolilacinus*^{AL} (Preobrazhenskaya and Sveshnikova 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19922. N4Lid DOI: 10.1601/nm.7242
- Streptomyces roseolus*^{AL} (Preobrazhenskaya and Sveshnikova 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23210. N4Lid DOI: 10.1601/nm.7243
- Streptomyces roseoverticillatus*^{VP} (Shinobu 1956) Witt and Stackebrandt 1991. <== *Streptovercillium roseoverticillatum* (basonym). Synonym links through N4Lid: 10.1601/ex.7417. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51269. High-quality 16S rRNA sequence S000127958 (RDP), X53164 (Genbank). N4Lid DOI: 10.1601/nm.7245
- † *Streptovercillium roseoverticillatum*^{AL} (Shinobu 1956) Farina and Locci 1966. ==> *Streptomyces roseoverticillatus* (new combination). Synonym links through N4Lid: 10.1601/ex.7417. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19807. High-quality 16S rRNA sequence S000127958 (RDP), X53164 (Genbank). N4Lid DOI: 10.1601/nm.7417
- Streptomyces roseoviolaceus*^{AL} (Sveshnikova 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25493. High-quality 16S rRNA sequence S000010876 (RDP), AJ399484 (Genbank). N4Lid DOI: 10.1601/nm.7246
- Streptomyces roseoviridis*^{AL} (Preobrazhenskaya 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23959. N4Lid DOI: 10.1601/nm.7247
- Streptomyces ruber*^{VP} (Thirumalachar 1955) Goodfellow et al. 1986. <== *Chainia rubra* (basonym). Synonym links through N4Lid: 10.1601/ex.7248. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 17754. N4Lid DOI: 10.1601/nm.7248

† *Chainia rubra*^{AL} Thirumalachar 1955. ==> *Streptomyces ruber* (new combination). Synonym links through N4Lid: 10.1601/ex.7248. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 17754. N4Lid 10.1601/nm.8998

Streptomyces rubidus^{VP} Xu et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 13277. High-quality 16S rRNA sequence S000481157 (RDP), AY876941 (Genbank). N4Lid DOI: 10.1601/nm.10032

Streptomyces rubiginosohelvolus^{AL} (Kudrina 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19926. N4Lid DOI: 10.1601/nm.7249

Streptomyces rubiginosus^{AL} (Preobrazhenskaya et al. 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19927. N4Lid DOI: 10.1601/nm.7250

Streptomyces rubrogriseus^{VP} (ex Kurylowicz et al.) Terekhova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43691. High-quality 16S rRNA sequence S000143382 (RDP), AF503501 (Genbank). N4Lid DOI: 10.1601/nm.7251

Streptomyces rutgersensis subsp. castelarensis^{AL} corrig. Cercos 1954. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15191. High-quality 16S rRNA sequence S000266729 (RDP), AY508511 (Genbank). N4Lid DOI: 10.1601/nm.7253

Streptomyces rutgersensis subsp. rutgersensis^{AL} (Waksman and Curtis 1916) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 3350. High-quality 16S rRNA sequence S000016102 (RDP), Z76688 (Genbank). N4Lid DOI: 10.1601/nm.7252

Streptomyces salmonis^{VP} (Baldacci et al. 1966) Witt and Stackebrandt 1991. <==
Streptovorticillium salmonis (basonym). Synonym links through N4Lid: 10.1601/ex.7418. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-1472. High-quality 16S rRNA sequence S000130970 (RDP), X53169 (Genbank). N4Lid DOI: 10.1601/nm.7254

† *Streptovorticillium salmonis*^{AL} (Baldacci et al. 1966) Locci et al. 1969. ==> *Streptomyces salmonis* (new combination). Synonym links through N4Lid: 10.1601/ex.7418. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-1472. High-quality 16S rRNA sequence S000130970 (RDP), X53169 (Genbank). N4Lid DOI: 10.1601/nm.7418

Streptomyces sampsonii^{AL} (Millard and Burr 1926) Waksman 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25495. High-quality 16S rRNA sequence S000439349 (RDP), D63871 (Genbank). N4Lid DOI: 10.1601/nm.7255

Streptomyces sanglieri^{VP} Manfio et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41791. High-quality 16S rRNA sequence S000395644 (RDP), AY094363 (Genbank). N4Lid DOI: 10.1601/nm.7256

Streptomyces sannanensis^{VP} Iwasaki et al. 1981. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31530. N4Lid DOI: 10.1601/nm.7257

Streptomyces sapporonensis^{VP} (Locci and Schofield 1989) Witt and Stackebrandt 1991. <==
Streptovorticillium sapporonense (basonym). Synonym links through N4Lid: 10.1601/ex.7419. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21532. High-quality 16S rRNA sequence S000544257 (RDP), AJ781378 (Genbank). N4Lid DOI: 10.1601/nm.7258

† *Streptovorticillium sapporonense*^{VP} (ex Sakai and Miyoshi 1972) Locci and Schofield 1989. ==> *Streptomyces sapporonensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7419. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21532. High-quality 16S rRNA sequence S000544257 (RDP), AJ781378 (Genbank). N4Lid DOI: 10.1601/nm.7419

Streptomyces scabiei^{VP} corrig. (ex Thaxter 1891) Lambert and Loria 1989. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49173. High-quality 16S rRNA sequence S000439340 (RDP), D63862 (Genbank). GOLD ID: Gi00630. GCAT ID: 001575_GCAT. Entrez genome id: 12985. Sequenced strain: 87-22 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.7259

- Streptomyces scabriformis*^{VP} Xu et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24202. High-quality 16S rRNA sequence S000469290 (RDP), AB030585 (Genbank). N4Lid DOI: 10.1601/nm.7260
- † *Chainia antibiotica*^{AL} Thirumalachar 1955. == *Streptomyces sclerotialis* (later homotypic synonym), links through 10.1601/ex.7261. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15721. High-quality 16S rRNA sequence S000270786 (RDP), AJ621608 (Genbank). N4Lid 10.1601/nm.8996
- Streptomyces sclerotialis*^{AL} Pridham 1970. == *Chainia antibiotica* (earlier homotypic synonym), links through 10.1601/ex.7261. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15721. High-quality 16S rRNA sequence S000270786 (RDP), AJ621608 (Genbank). N4Lid DOI: 10.1601/nm.7261
- Streptomyces scopiformis*^{VP} Li et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41825. High-quality 16S rRNA sequence S000388805 (RDP), AF184081 (Genbank). N4Lid DOI: 10.1601/nm.7262
- Streptomyces seoulensis*^{VP} Chun et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CIP 105312. N4Lid DOI: 10.1601/nm.7263
- Streptomyces septatus*^{VP} (Locci et al. 1969) Witt and Stackebrandt 1991. <== *Streptovercillium septatum* (basonym). Synonym links through N4Lid: 10.1601/ex.7420. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27464. N4Lid DOI: 10.1601/nm.7264
- † *Streptovercillium septatum*^{AL} Locci et al. 1969. ==> *Streptomyces septatus* (new combination). Synonym links through N4Lid: 10.1601/ex.7420. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27464. N4Lid DOI: 10.1601/nm.7420
- Streptomyces setae*^{VP} (Omura et al. 1983) Wellington et al. 1992. <== *Kitasatospora setae* (basonym). Synonym links through N4Lid: 10.1601/ex.7265. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33774. High-quality 16S rRNA sequence S000436290 (RDP), M55220 (Genbank). GOLD ID: Gi01853. GCAT ID: 000847_GCAT. Sequenced strain: NBRC 14216 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 0 (NCBI). N4Lid DOI: 10.1601/nm.7265
- † *Kitasatospora setae*^{VP} corrig. Omura et al. 1983. ==> *Streptomyces setae* (new combination). Synonym links through N4Lid: 10.1601/ex.7265. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33774. High-quality 16S rRNA sequence S000436290 (RDP), M55220 (Genbank). GOLD ID: Gi01853. GCAT ID: 000847_GCAT. Sequenced strain: NBRC 14216 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.7357
- Streptomyces showdoensis*^{AL} Nishimura et al. 1964. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15105. N4Lid DOI: 10.1601/nm.7267
- Streptomyces sindenensis*^{AL} Nakazawa and Fujii 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23963. N4Lid DOI: 10.1601/nm.7268
- Streptomyces sioyaensis*^{AL} Nishimura et al. 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 13989. N4Lid DOI: 10.1601/nm.7269
- Streptomyces sodiophilus*^{VP} Li et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CIP 107975. High-quality 16S rRNA sequence S000546611 (RDP), AY236339 (Genbank). N4Lid 10.1601/nm.9419
- Streptomyces somaliensis*^{AL} (Brumpt 1906) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33201. High-quality 16S rRNA sequence S000001688 (RDP), AJ007403 (Genbank). N4Lid DOI: 10.1601/nm.7270
- Streptomyces sparsogenes*^{AL} Owen et al. 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25498. High-quality 16S rRNA sequence S000002792 (RDP), AJ391817 (Genbank). N4Lid DOI: 10.1601/nm.7271
- Streptomyces spectabilis*^{AL} Mason et al. 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27465. N4Lid DOI: 10.1601/nm.7272

- Streptomyces speibonae*^{VP} Meyers et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24240. High-quality 16S rRNA sequence S000394398 (RDP), AF452714 (Genbank). N4Lid DOI: 10.1601/nm.7273
- Streptomyces speleomycini*^{VP} Preobrazhenskaya and Szabó 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: B-23. N4Lid DOI: 10.1601/nm.7274
- Streptomyces spinoverrucosus*^{VP} Diab and Al-Gounaim 1982. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33692. High-quality 16S rRNA sequence S000544255 (RDP), AJ781376 (Genbank). N4Lid DOI: 10.1601/nm.7276
- Streptomyces spiralis*^{VP} (Falcão de Morais 1970) Goodfellow et al. 1986. <== *Elytrosporangium spirale* (basonym). Synonym links through N4Lid: 10.1601/ex.7277. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25664. N4Lid DOI: 10.1601/nm.7277
- † *Elytrosporangium spirale*^{AL} Falcão de Morais 1970. ==> *Streptomyces spiralis* (new combination). Synonym links through N4Lid: 10.1601/ex.7277. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25664. N4Lid DOI: 10.1601/nm.9046
- Streptomyces spiroverticillatus*^{AL} Shinobu 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19811. N4Lid DOI: 10.1601/nm.7278
- Streptomyces sporocinereus*^{VP} (ex Krasil'nikov 1970) Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43692. High-quality 16S rRNA sequence S000544247 (RDP), AJ781368 (Genbank). N4Lid DOI: 10.1601/nm.7280
- Streptomyces sporoclivatus*^{VP} (ex Krasil'nikov 1970) Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43693. High-quality 16S rRNA sequence S000544248 (RDP), AJ781369 (Genbank). N4Lid DOI: 10.1601/nm.7281
- Streptomyces spororaveus*^{VP} (ex Krasil'nikov 1970) Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43694. High-quality 16S rRNA sequence S000544249 (RDP), AJ781370 (Genbank). N4Lid DOI: 10.1601/nm.7282
- Streptomyces sporoverrucosus*^{VP} (ex Krasil'nikov 1970) Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43695. N4Lid DOI: 10.1601/nm.7283
- Streptomyces stelliscabiei*^{VP} Bouček-Mechiche et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41803. High-quality 16S rRNA sequence S000004441 (RDP), AJ007429 (Genbank). N4Lid DOI: 10.1601/nm.7284
- Streptomyces stramineus*^{VP} Labeda et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 12292. N4Lid DOI: 10.1601/nm.7285
- Streptomyces subrutilus*^{AL} Arai et al. 1964. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27467. High-quality 16S rRNA sequence S000381289 (RDP), X80825 (Genbank). N4Lid DOI: 10.1601/nm.7286
- Streptomyces sulfonofaciens*^{VP} Miyadoh et al. 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31892. N4Lid DOI: 10.1601/nm.7287
- Streptomyces sulphureus*^{AL} (Gasparini 1894) Waksman 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27468. N4Lid DOI: 10.1601/nm.7288
- Streptomyces syringium*^{VP} (Konev 1986) Witt and Stackebrandt 1991. <== *Streptoverticillium syringium* (basonym). Synonym links through N4Lid: 10.1601/ex.7421. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41480. High-quality 16S rRNA sequence S000544254 (RDP), AJ781375 (Genbank). N4Lid DOI: 10.1601/nm.7289
- † *Streptoverticillium syringium*^{VP} Konev 1986. ==> *Streptomyces syringium* (new combination). Synonym links through N4Lid: 10.1601/ex.7421. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41480. High-quality 16S rRNA sequence S000544254 (RDP), AJ781375 (Genbank). N4Lid DOI: 10.1601/nm.7421

- Streptomyces tanashiensis*^{AL} Hata et al. 1952. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23967. High-quality 16S rRNA sequence S000544241 (RDP), AJ781362 (Genbank). N4Lid DOI: 10.1601/nm.7290
- Streptomyces tauricus*^{VP} (ex Ivanitskaya et al. 1966) Sveshnikova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27470. High-quality 16S rRNA sequence S000001870 (RDP), AB045879 (Genbank). N4Lid DOI: 10.1601/nm.7291
- Streptomyces tendae*^{AL} Ettlinger et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19812. High-quality 16S rRNA sequence S000439351 (RDP), D63873 (Genbank). N4Lid DOI: 10.1601/nm.7292
- Streptomyces termitum*^{AL} Duché et al. 1951. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25499. N4Lid DOI: 10.1601/nm.7293
- Streptomyces thermoalcalitolerans*^{VP} Kim et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24315. High-quality 16S rRNA sequence S000006303 (RDP), AJ000284 (Genbank). N4Lid DOI: 10.1601/nm.7294
- Streptomyces thermoautotrophicus*^{VP} Gadkari et al. 1991. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49746. N4Lid DOI: 10.1601/nm.7295
- Streptomyces thermocarboxydovorans*^{VP} Kim et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24317. High-quality 16S rRNA sequence S000438871 (RDP), U94489 (Genbank). N4Lid DOI: 10.1601/nm.7296
- Streptomyces thermocarboxyidus*^{VP} Kim et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24316. High-quality 16S rRNA sequence S000438872 (RDP), U94490 (Genbank). N4Lid DOI: 10.1601/nm.7297
- Streptomyces thermocoprophilus*^{VP} Kim et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41700. High-quality 16S rRNA sequence S000003179 (RDP), AJ007402 (Genbank). N4Lid DOI: 10.1601/nm.7298
- Streptomyces thermodiastaticus*^{AL} (Bergey et al. 1923) Waksman 1953. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27472. High-quality 16S rRNA sequence S000022304 (RDP), AB018095 (Genbank). N4Lid DOI: 10.1601/nm.7299
- Streptomyces thermogriseus*^{VP} Xu et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41756. High-quality 16S rRNA sequence S000428182 (RDP), AF056714 (Genbank). N4Lid DOI: 10.1601/nm.7300
- Streptomyces thermolineatus*^{VP} Goodfellow et al. 1988. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51534. High-quality 16S rRNA sequence S000012433 (RDP), Z68097 (Genbank). N4Lid DOI: 10.1601/nm.7301
- Streptomyces thermospinosporus*^{VP} corrig. Kim and Goodfellow 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41779. High-quality 16S rRNA sequence S000391769 (RDP), AF333113 (Genbank). N4Lid DOI: 10.1601/nm.7303
- Streptomyces thermoviolaceus subsp. apingens*^{AL} Henssen 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19994. N4Lid DOI: 10.1601/nm.7305
- Streptomyces thermoviolaceus subsp. thermoviolaceus*^{AL} Henssen 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19283. High-quality 16S rRNA sequence S000015773 (RDP), Z68096 (Genbank). N4Lid DOI: 10.1601/nm.7304
- Streptomyces thermovulgaris*^{AL} Henssen 1957. ≈ *Streptomyces thermonitrificans* (later heterotypic synonym), links through 10.1601/nm.7306. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19284. High-quality 16S rRNA sequence S000008956 (RDP), Z68094 (Genbank). N4Lid DOI: 10.1601/nm.7306
- † *Streptomyces thermonitrificans*^{AL} Desai and Dhala 1967. ≈ *Streptomyces thermovulgaris* (earlier heterotypic synonym), links through 10.1601/nm.7306. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 40444. High-quality 16S rRNA sequence S000008956 (RDP), Z68094 (Genbank). N4Lid DOI: 10.1601/nm.7302
- Streptomyces thioluteus*^{VP} (Okami 1952) Witt and Stackebrandt 1991. <== *Streptoverticillium thioluteum* (basonym). Synonym links through N4Lid: 10.1601/ex.7422. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12310. High-quality 16S rRNA sequence S000544239 (RDP), AJ781360 (Genbank). N4Lid DOI: 10.1601/nm.7307

† *Streptovercillium thioluteum*^{AL} (Okami 1952) Baldacci et al. 1966. ==> *Streptomyces thioluteus* (new combination). Synonym links through N4Lid: 10.1601/ex.7422. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12310. High-quality 16S rRNA sequence S000544239 (RDP), AJ781360 (Genbank). N4Lid DOI: 10.1601/nm.7422

Streptomyces torulosus^{AL} Lyons and Pridham 1971. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29340. High-quality 16S rRNA sequence S000544246 (RDP), AJ781367 (Genbank). N4Lid DOI: 10.1601/nm.7308

Streptomyces toxytricini^{AL} (Preobrazhenskaya and Sveshnikova 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19813. N4Lid DOI: 10.1601/nm.7309

Streptomyces tricolor^{AL} (Wollenweber 1920) Waksman 1961. ≈ *Streptomyces roseodiastaticus* (later heterotypic synonym), links through 10.1601/nm.7310. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16925. High-quality 16S rRNA sequence S000544259 (RDP), AJ781380 (Genbank). N4Lid DOI: 10.1601/nm.7310

† *Streptomyces roseodiastaticus*^{AL} (Duché 1934) Waksman 1953. ≈ *Streptomyces tricolor* (earlier heterotypic synonym), links through 10.1601/nm.7310. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-1906. N4Lid DOI: 10.1601/nm.7239

Streptomyces tubercidicus^{AL} Nakamura 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25502. High-quality 16S rRNA sequence S000271819 (RDP), AJ621612 (Genbank). N4Lid DOI: 10.1601/nm.7311

Streptomyces tuiurus^{AL} Albert and Malaquias de Querioz 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19007. High-quality 16S rRNA sequence S000142900 (RDP), AF503493 (Genbank). N4Lid DOI: 10.1601/nm.7312

Streptomyces turgidiscabies^{VP} Miyajima et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700248. N4Lid DOI: 10.1601/nm.7313

Streptomyces umbrinus^{AL} (Sveshnikova 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19929. N4Lid DOI: 10.1601/nm.7314

Streptomyces variabilis^{AL} (Preobrazhenskaya et al. 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19930. N4Lid DOI: 10.1601/nm.7315

Streptomyces variegatus^{VP} Sveshnikova and Timuk 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43696. High-quality 16S rRNA sequence S000544250 (RDP), AJ781371 (Genbank). N4Lid DOI: 10.1601/nm.7316

Streptomyces varsoviensis^{AL} Kurylowicz and Woznicka 1967. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25505. N4Lid DOI: 10.1601/nm.7317

Streptomyces vastus^{AL} Szabó and Marton 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25506. N4Lid DOI: 10.1601/nm.7318

Streptomyces venezuelae^{AL} Ehrlich et al. 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 10712. High-quality 16S rRNA sequence S000002613 (RDP), AB045890 (Genbank). N4Lid DOI: 10.1601/nm.7319

Streptomyces vinaceus^{AL} Jones 1952. ≈ *Streptomyces arabicus* (later heterotypic synonym), links through 10.1601/nm.7320. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27476. N4Lid DOI: 10.1601/nm.7320

† *Streptomyces arabicus*^{AL} Shibata et al. 1957. ≈ *Streptomyces vinaceus* (earlier heterotypic synonym), links through 10.1601/nm.7320. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23881. N4Lid DOI: 10.1601/nm.6856

Streptomyces vinaceusdrappus^{AL} Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 2363. N4Lid DOI: 10.1601/nm.7321

Streptomyces violaceochromogenes^{AL} (Ryabova and Preobrazhenskaya 1957) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19932. N4Lid DOI: 10.1601/nm.7322

Streptomyces violaceolatus^{AL} (Krasil'nikov et al. 1965) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19847. High-quality 16S rRNA sequence S000143706 (RDP), AF503497 (Genbank). N4Lid DOI: 10.1601/nm.7323

Streptomyces violaceorectus^{AL} (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25514. N4Lid DOI: 10.1601/nm.7324

Streptomyces violaceoruber^{AL} (Waksman and Curtis 1916) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14980. N4Lid DOI: 10.1601/nm.7325

Streptomyces violaceorubidus^{VP} Terekhova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43697. High-quality 16S rRNA sequence S000544253 (RDP), AJ781374 (Genbank). N4Lid DOI: 10.1601/nm.7326

Streptomyces violaceus^{AL} (Rossi Doria 1891) Waksman 1953. ≈ *Streptomyces violatus* (later heterotypic synonym), links through 10.1601/nm.7327. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15888. High-quality 16S rRNA sequence S000006679 (RDP), AJ399480 (Genbank). N4Lid DOI: 10.1601/nm.7327

† *Streptomyces violatus*^{AL} (Artamonova and Krasil'nikov 1960) Pridham 1970. ≈ *Streptomyces violaceus* (earlier heterotypic synonym), links through 10.1601/nm.7327. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15892. N4Lid DOI: 10.1601/nm.7331

Streptomyces violaceusniger^{AL} corrig. (Waksman and Curtis 1916) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27477. High-quality 16S rRNA sequence S000008957 (RDP), AJ391822 (Genbank). N4Lid DOI: 10.1601/nm.7328

Streptomyces violarius^{AL} (Artamonova and Krasil'nikov 1960) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15891. High-quality 16S rRNA sequence S000003980 (RDP), AJ399477 (Genbank). N4Lid DOI: 10.1601/nm.7329

Streptomyces violascens^{AL} (Preobrazhenskaya and Sveshnikova 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23968. N4Lid DOI: 10.1601/nm.7330

Streptomyces violens^{VP} (Kalakoutskii and Krasil'nikov 1960) Goodfellow et al. 1987. <== *Chainia violens* (basonym). Synonym links through N4Lid: 10.1601/ex.7332. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15898. High-quality 16S rRNA sequence S000270785 (RDP), AJ621605 (Genbank). N4Lid DOI: 10.1601/nm.7332

† *Chainia violens*^{AL} Kalakoutskii and Krasil'nikov 1960. ==> *Streptomyces violens* (new combination). Synonym links through N4Lid: 10.1601/ex.7332. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15898. High-quality 16S rRNA sequence S000270785 (RDP), AJ621605 (Genbank). N4Lid 10.1601/nm.9001

Streptomyces virens^{VP} Gause and Sveshnikova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24331. N4Lid DOI: 10.1601/nm.7333

Streptomyces virginiae^{AL} Grundy et al. 1952. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19817. High-quality 16S rRNA sequence S000002044 (RDP), D85123 (Genbank). N4Lid DOI: 10.1601/nm.7334

Streptomyces viridiflavus^{VP} corrig. (Locci and Schofield 1989) Witt and Stackebrandt 1991. <== *Streptoverticillium viridoflavum* (basonym). Synonym links through N4Lid: 10.1601/ex.7425. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12631. High-quality 16S rRNA sequence S000570539 (RDP), AJ781363 (Genbank). N4Lid DOI: 10.1601/nm.7335

† *Streptoverticillium viridoflavum*^{VP} (ex Waksman and Taber 1953) Locci and Schofield 1989. ==> *Streptomyces viridiflavus* (new combination). Synonym links through N4Lid: 10.1601/ex.7425. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12631. High-quality 16S rRNA sequence S000570539 (RDP), AJ781363 (Genbank). N4Lid DOI: 10.1601/nm.7425

- Streptomyces viridiviolaceus*^{AL} (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27478. N4Lid DOI: 10.1601/nm.7336
- Streptomyces viridobrunneus*^{VP} (ex Krasil'nikov 1970) Terekhova 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43698. High-quality 16S rRNA sequence S000544251 (RDP), AJ781372 (Genbank). N4Lid DOI: 10.1601/nm.7337
- Streptomyces viridochromogenes*^{AL} (Krainsky 1914) Waksman and Henrici 1948. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14920. N4Lid DOI: 10.1601/nm.7338
- Streptomyces viridodiastaticus*^{AL} (Baldacci et al. 1955) Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25518. N4Lid DOI: 10.1601/nm.7339
- Streptomyces viridosporus*^{AL} Pridham et al. 1958. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27479. N4Lid DOI: 10.1601/nm.7340
- Streptomyces vitaminophilus*^{VP} corrig. (Shomura et al. 1983) Goodfellow et al. 1986. <== *Actinosporangium vitaminophilum* (basonym). Synonym links through N4Lid: 10.1601/ex.7341. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31673. N4Lid DOI: 10.1601/nm.7341
- † *Actinosporangium vitaminophilum*^{VP} Shomura et al. 1983. ==> *Streptomyces vitaminophilus* (new combination). Synonym links through N4Lid: 10.1601/ex.7341. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31673. N4Lid DOI: 10.1601/nm.9104
- Streptomyces wedmorensis*^{VP} (ex Milard and Burr 1926) Preobrazhenskaya 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21239. N4Lid DOI: 10.1601/nm.7342
- Streptomyces werraensis*^{AL} Wallhäusser et al. 1964. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14424. N4Lid DOI: 10.1601/nm.7343
- Streptomyces xanthochromogenes*^{AL} Arishima et al. 1956. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19818. N4Lid DOI: 10.1601/nm.7345
- Streptomyces xanthocidicus*^{AL} Asahi et al. 1966. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27480. N4Lid DOI: 10.1601/nm.7346
- Streptomyces xantholiticus*^{AL} (Konev and Tsyganov 1962) Pridham 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27481. N4Lid DOI: 10.1601/nm.7347
- Streptomyces xanthophaeus*^{AL} Lindenbein 1952. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19819. N4Lid DOI: 10.1601/nm.7348
- Streptomyces yanglinensis*^{VP} Xu et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 13275. High-quality 16S rRNA sequence S000481156 (RDP), AY876940 (Genbank). N4Lid DOI: 10.1601/nm.10033
- Streptomyces yanii*^{VP} Liu et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 3331. N4Lid DOI: 10.1601/nm.9499
- Streptomyces yatensis*^{VP} Saintpierre et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24116. High-quality 16S rRNA sequence S000391846 (RDP), AF336800 (Genbank). N4Lid DOI: 10.1601/nm.7349
- Streptomyces yeochonensis*^{VP} Kim et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24245. High-quality 16S rRNA sequence S000428899 (RDP), AF101415 (Genbank). N4Lid DOI: 10.1601/nm.7350
- Streptomyces yerevanensis*^{VP} Goodfellow et al., 1986. <== *Microellobosporia violacea* (basonym). Synonym links through N4Lid: 10.1601/ex.7351. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43727. N4Lid DOI: 10.1601/nm.7351
- † *Microellobosporia violacea*^{AL} (Tsyganov et al. 1964) Pridham 1974. ==> *Streptomyces yerevanensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7351. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43727. N4Lid DOI: 10.1601/nm.9071

- Streptomyces yogyakartensis*^{VP} Sembiring et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41766. High-quality 16S rRNA sequence S000010498 (RDP), AJ391827 (Genbank). N4Lid DOI: 10.1601/nm.7352
- Streptomyces yokosukanensis*^{AL} Nakamura 1961. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25520. N4Lid DOI: 10.1601/nm.7353
- Streptomyces yunnanensis*^{VP} Zhang et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41793. High-quality 16S rRNA sequence S000392042 (RDP), AF346818 (Genbank). N4Lid DOI: 10.1601/nm.7354
- Streptomyces zaomyceticus*^{AL} Hinuma 1954. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27482. N4Lid DOI: 10.1601/nm.7355
- Genus** † *Actinopycnidium*^{AL} Krasil'nikov 1962. Unified with *Streptomyces*, links through 10.1601/nm.7557. N4Lid 10.1601/nm.9011
- Genus** † *Actinosporangium*^{AL} Krasil'nikov and Yuan 1961. Unified with *Streptomyces*, links through 10.1601/nm.7557. N4Lid 10.1601/nm.9003
- Genus** † *Chainia*^{AL} Thirumalachar 1955. Later synonym of *Streptomyces*. <synonym>Streptomyces</synonym>Synonym links through N4Lid: 10.1601/nm.6817. N4Lid 10.1601/nm.8995
- Genus** † *Elytrosporangium*^{AL} Falcão de Morais et al. 1966. Unified with *Streptomyces*, links through 10.1601/nm.7557. N4Lid 10.1601/nm.9030
- Genus** † *Kitasatoa*^{AL} Matsumae and Hata 1968. Unified with *Streptomyces*, links through 10.1601/nm.7557. N4Lid 10.1601/nm.9034
- Genus** *Kitasatospora*^{VP} corrig. Omura et al. 1983. N4Lid DOI: 10.1601/nm.7356
- Kitasatospora arboriphila*^{VP} Groth et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44785. N4Lid 10.1601/nm.8638
- Kitasatospora azatica*^{VP} corrig. (Nakagaito et al. 1993) Zhang et al. 1997. <== *Streptomyces azaticus* (basonym). Synonym links through N4Lid: 10.1601/ex.6879. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29755. High-quality 16S rRNA sequence S000438853 (RDP), U93312 (Genbank). N4Lid DOI: 10.1601/nm.7358
- † *Streptomyces azaticus*^{VP} Nakagaito et al. 1993. ==> *Kitasatospora azatica* (new combination). Synonym links through N4Lid: 10.1601/ex.6879. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29755. High-quality 16S rRNA sequence S000438853 (RDP), U93312 (Genbank). N4Lid DOI: 10.1601/nm.6879
- Kitasatospora cheerisanensis*^{VP} Chung et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: KCTC 2395. High-quality 16S rRNA sequence S000428082 (RDP), AF050493 (Genbank). N4Lid DOI: 10.1601/nm.7359
- Kitasatospora cineracea*^{VP} Tajima et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24134. High-quality 16S rRNA sequence S000469278 (RDP), AB022875 (Genbank). N4Lid DOI: 10.1601/nm.7360
- Kitasatospora cochleata*^{VP} corrig. (Nakagaito et al. 1993) Zhang et al. 1997. <== *Streptomyces cochleatus* (basonym). Synonym links through N4Lid: 10.1601/ex.6946. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51235. High-quality 16S rRNA sequence S000469274 (RDP), AB022871 (Genbank). N4Lid DOI: 10.1601/nm.7361
- † *Streptomyces cochleatus*^{VP} Nakagaito et al. 1993. ==> *Kitasatospora cochleata* (new combination). Synonym links through N4Lid: 10.1601/ex.6946. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51235. High-quality 16S rRNA sequence S000469274 (RDP), AB022871 (Genbank). N4Lid DOI: 10.1601/nm.6946
- Kitasatospora gansuensis*^{VP} Groth et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44786. High-quality 16S rRNA sequence S000441269 (RDP), AY442265 (Genbank). N4Lid 10.1601/nm.8639
- Kitasatospora kifunensis*^{VP} (Nakagaito et al. 1993) Groth et al. 2003. <== *Streptomyces kifunensis* (basonym). Synonym links through N4Lid: 10.1601/ex.7094. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51379. High-quality 16S rRNA sequence S000469277 (RDP), AB022874 (Genbank). N4Lid DOI: 10.1601/nm.7364

- † *Streptomyces kifunensis*^{VP} Nakagaito et al. 1993. ==> *Kitasatospora kifunensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7094. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51379. High-quality 16S rRNA sequence S000469277 (RDP), AB022874 (Genbank). N4Lid DOI: 10.1601/nm.7094
- Kitasatospora niigatensis*^{VP} Tajima et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24135. High-quality 16S rRNA sequence S000469279 (RDP), AB022876 (Genbank). N4Lid DOI: 10.1601/nm.7367
- Kitasatospora nipponensis*^{VP} Groth et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44787. High-quality 16S rRNA sequence S000441267 (RDP), AY442263 (Genbank). N4Lid 10.1601/nm.8640
- Kitasatospora paracochleata*^{VP} corrig. (Nakagaito et al. 1993) Zhang et al. 1997. <== *Streptomyces paracochleatus* (basonym). Synonym links through N4Lid: 10.1601/ex.7190. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51236. High-quality 16S rRNA sequence S000438861 (RDP), U93328 (Genbank). N4Lid DOI: 10.1601/nm.7368
- † *Streptomyces paracochleatus*^{VP} Nakagaito et al. 1993. ==> *Kitasatospora paracochleata* (new combination). Synonym links through N4Lid: 10.1601/ex.7190. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51236. High-quality 16S rRNA sequence S000438861 (RDP), U93328 (Genbank). N4Lid DOI: 10.1601/nm.7190
- Kitasatospora paranensis*^{VP} Groth et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44788. High-quality 16S rRNA sequence S000462003 (RDP), AY442268 (Genbank). N4Lid 10.1601/nm.8641
- Kitasatospora putterlickiae*^{VP} Groth et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44665. High-quality 16S rRNA sequence S000400879 (RDP), AY189976 (Genbank). N4Lid DOI: 10.1601/nm.7366
- Kitasatospora sampliensis*^{VP} Mayilraj et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44898. High-quality 16S rRNA sequence S000448965 (RDP), AY260167 (Genbank). N4Lid 10.1601/nm.9920
- Kitasatospora terrestris*^{VP} Groth et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44789. High-quality 16S rRNA sequence S000462001 (RDP), AY442266 (Genbank). N4Lid 10.1601/nm.8642
- Kitasatospora viridis*^{VP} Liu et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44826. High-quality 16S rRNA sequence S000504585 (RDP), AY613990 (Genbank). N4Lid 10.1601/nm.9314
- Genus** † *Microellobosporia*^{AL} Cross et al. 1963. Unified with *Streptomyces*, links through 10.1601/nm.7557. N4Lid 10.1601/nm.9016
- Genus** *Streptacidiphilus*^{VP} Kim et al. 2003. N4Lid DOI: 10.1601/nm.7370
- Streptacidiphilus albus*^{VP} Kim et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41753. High-quality 16S rRNA sequence S000428473 (RDP), AF074415 (Genbank). N4Lid DOI: 10.1601/nm.7371
- Streptacidiphilus carbonis*^{VP} Kim et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41754. High-quality 16S rRNA sequence S000428470 (RDP), AF074412 (Genbank). N4Lid DOI: 10.1601/nm.7372
- Streptacidiphilus jiangxiensis*^{VP} Huang et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 12277. High-quality 16S rRNA sequence S000134750 (RDP), AY314780 (Genbank). N4Lid 10.1601/nm.9667
- Streptacidiphilus neutrinimicus*^{VP} Kim et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 41755. High-quality 16S rRNA sequence S000428468 (RDP), AF074410 (Genbank). N4Lid DOI: 10.1601/nm.7373
- Streptacidiphilus oryzae*^{VP} Wang et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 13271. High-quality 16S rRNA sequence S000614212 (RDP), DQ208700 (Genbank). N4Lid DOI: 10.1601/nm.10088
- Genus** *Streptovercillium*^{AL} Baldacci 1958. N4Lid DOI: 10.1601/nm.7374

Streptovercillium reticulum subsp. protomycicum^{VP} (ex Sugawara et al. 1963) Locci and Schofield 1989. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 4180. N4Lid DOI: 10.1601/nm.7416

Streptovercillium verticillium subsp. quintum^{VP} (ex Arai 1976) Locci and Schofield 1989. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 8963. N4Lid DOI: 10.1601/nm.7423

Streptovercillium verticillium subsp. tsukushiense^{VP} (ex Arai 1976) Locci and Schofield 1989. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21633. N4Lid DOI: 10.1601/nm.7424

Suborder Streptosporangineae^{VP} Ward-Rainey et al 1997. N4Lid DOI: 10.1601/nm.7426

Family Streptosporangiaceae^{VP} Goodfellow et al 1990. N4Lid DOI: 10.1601/nm.7427

Genus Streptosporangium^{AL} Couch 1955. N4Lid DOI: 10.1601/nm.7428

Streptosporangium roseum^{AL} Couch 1955. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12428. High-quality 16S rRNA sequence S000013670 (RDP), X70425 (Genbank). N4Lid DOI: 10.1601/nm.7429

Streptosporangium album^{AL} Nonomura and Ohara 1960. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-2635. High-quality 16S rRNA sequence S000005905 (RDP), X89934 (Genbank). N4Lid DOI: 10.1601/nm.7431

Streptosporangium amethystogenes subsp. amethystogenes^{VP} Nonomura and Ohara 1960. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33327. N4Lid DOI: 10.1601/nm.7432

Streptosporangium amethystogenes subsp. fukuense^{VP} Inuma et al. 1996. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 15365. N4Lid DOI: 10.1601/nm.7433

Streptosporangium carneum^{VP} Mertz and Yao 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 18437. High-quality 16S rRNA sequence S000007376 (RDP), X89938 (Genbank). N4Lid DOI: 10.1601/nm.7434

Streptosporangium claviforme^{VP} Petrolini et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44127. High-quality 16S rRNA sequence S000022019 (RDP), X89940 (Genbank). N4Lid DOI: 10.1601/nm.7435

Streptosporangium fragile^{VP} Shearer et al. 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31519. High-quality 16S rRNA sequence S000007030 (RDP), X89942 (Genbank). N4Lid DOI: 10.1601/nm.7437

Streptosporangium longisporum^{AL} Schäfer 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25212. High-quality 16S rRNA sequence S000021445 (RDP), X89944 (Genbank). N4Lid DOI: 10.1601/nm.7439

Streptosporangium nondiasticum^{AL} Nonomura and Ohara 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27101. High-quality 16S rRNA sequence S000016631 (RDP), X70426 (Genbank). N4Lid DOI: 10.1601/nm.7440

Streptosporangium pseudovulgare^{AL} Nonomura and Ohara 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27100. High-quality 16S rRNA sequence S000004604 (RDP), X70428 (Genbank). N4Lid DOI: 10.1601/nm.7441

Streptosporangium purpuratum^{VP} Zhang et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44688. High-quality 16S rRNA sequence S000498782 (RDP), AF191735 (Genbank). N4Lid DOI: 10.1601/nm.9316

Streptosporangium subroseum^{VP} Zhang et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CCTCC 97008. High-quality 16S rRNA sequence S000388869 (RDP), AF191734 (Genbank). N4Lid DOI: 10.1601/nm.7442

Streptosporangium violaceochromogenes^{AL} Kawamoto et al. 1975. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 21807. High-quality 16S rRNA sequence S000004799 (RDP), X89951 (Genbank). N4Lid DOI: 10.1601/nm.7443

Streptosporangium viridialbum^{AL} Nonomura and Ohara 1960. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33328. High-quality 16S rRNA sequence S000437722 (RDP), U48998 (Genbank). N4Lid DOI: 10.1601/nm.7444

Streptosporangium vulgare^{AL} Nonomura and Ohara 1960. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33329. High-quality 16S rRNA sequence S000003580 (RDP), X89955 (Genbank). N4Lid DOI: 10.1601/nm.7447

Streptosporangium yunnanense^{VP} Zhang et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44663. High-quality 16S rRNA sequence S000498781 (RDP), AF191733 (Genbank). N4Lid 10.1601/nm.9315

Genus *Acrocarpospora*^{VP} Tamura et al. 2000. N4Lid DOI: 10.1601/nm.7448

Acrocarpospora pleiomorpha^{VP} Tamura et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 16267. High-quality 16S rRNA sequence S000382735 (RDP), AB025318 (Genbank). N4Lid DOI: 10.1601/nm.7449

Acrocarpospora corrugata^{VP} (Williams and Sharples 1976) Tamura et al. 2000. <==
Streptosporangium corrugatum (basonym). Synonym links through N4Lid: 10.1601/ex.7436. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29331. High-quality 16S rRNA sequence S000007578 (RDP), X70427 (Genbank). N4Lid DOI: 10.1601/nm.7450

† *Streptosporangium corrugatum*^{AL} Williams and Sharples 1976. ==> *Acrocarpospora corrugata* (new combination). Synonym links through N4Lid: 10.1601/ex.7436. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29331. High-quality 16S rRNA sequence S000007578 (RDP), X70427 (Genbank). N4Lid DOI: 10.1601/nm.7436

Acrocarpospora macrocephala^{VP} Tamura et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 16266. High-quality 16S rRNA sequence S000382735 (RDP), AB025318 (Genbank). N4Lid DOI: 10.1601/nm.7451

Genus *Herbidospora*^{VP} Kudo et al. 1993. N4Lid DOI: 10.1601/nm.7452

Herbidospora cretacea^{VP} Kudo et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51904. High-quality 16S rRNA sequence S000435864 (RDP), D85485 (Genbank). N4Lid DOI: 10.1601/nm.7453

Genus *Microbispora*^{AL} Nonomura and Ohara 1957. N4Lid DOI: 10.1601/nm.7454

Microbispora rosea subsp. rosea^{VP} Nonomura and Ohara 1957. ≈ *Microbispora amethystogenes* (later heterotypic synonym), links through 10.1601/nm.7455. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 12950. High-quality 16S rRNA sequence S000437709 (RDP), U48985 (Genbank). N4Lid DOI: 10.1601/nm.7455

† *Microbispora amethystogenes*^{AL} Nonomura and Ohara 1960. ≈ *Microbispora rosea subsp. rosea* (earlier heterotypic synonym), links through 10.1601/nm.7455. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-2637. N4Lid DOI: 10.1601/nm.7458

† *Microbispora chromogenes*^{AL} Nonomura and Ohara 1960. ≈ *Microbispora rosea subsp. rosea* (earlier heterotypic synonym), links through 10.1601/nm.7455. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-2634. N4Lid DOI: 10.1601/nm.7460

† *Microbispora diastatica*^{AL} Nonomura and Ohara 1960. ≈ *Microbispora rosea subsp. rosea* (earlier heterotypic synonym), links through 10.1601/nm.7455. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-2630. N4Lid DOI: 10.1601/nm.7462

† *Microbispora indica*^{VP} Rao et al. 1987. ≈ *Microbispora rosea subsp. rosea* (earlier heterotypic synonym), links through 10.1601/nm.7455. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35926. N4Lid DOI: 10.1601/nm.7464

† *Microbispora karnatakensis*^{VP} Rao et al. 1987. ≈ *Microbispora rosea subsp. rosea* (earlier heterotypic synonym), links through 10.1601/nm.7455. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35927. N4Lid DOI: 10.1601/nm.7465

† *Microbispora parva*^{AL} Nonomura and Ohara 1960. ≈ *Microbispora rosea subsp. rosea* (earlier heterotypic synonym), links through 10.1601/nm.7455. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-2629. N4Lid DOI: 10.1601/nm.7467

Microbispora rosea subsp. aerata^{VP} (Gerber and Lechevalier 1964) Miyadoh et al. 1991. <==
Microbispora aerata (basonym). Synonym links through N4Lid: 10.1601/ex.7457. Source of type

material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15448. High-quality 16S rRNA sequence S000437708 (RDP), U48984 (Genbank). N4Lid DOI: 10.1601/nm.7456

† *Microbispora aerata*^{AL} (Gerber and Lechevalier 1964) Cross 1974. ==> *Microbispora rosea subsp. aerata* (new combination). Synonym links through N4Lid: 10.1601/ex.7457. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15448. High-quality 16S rRNA sequence S000437708 (RDP), U48984 (Genbank). N4Lid DOI: 10.1601/nm.7457

† *Microbispora thermodiastatica*^{AL} Nonomura and Ohara 1969. ≈ *Microbispora rosea subsp. aerata* (earlier heterotypic synonym), links through 10.1601/nm.7456. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27098. High-quality 16S rRNA sequence S000437710 (RDP), U48986 (Genbank). N4Lid DOI: 10.1601/nm.7468

† *Microbispora thermorosea*^{AL} Nonomura and Ohara 1969. ≈ *Microbispora rosea subsp. aerata* (earlier heterotypic synonym), links through 10.1601/nm.7456. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27099. High-quality 16S rRNA sequence S000437711 (RDP), U48987 (Genbank). N4Lid DOI: 10.1601/nm.7469

Microbispora corallina^{VP} Nakajima et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-20. High-quality 16S rRNA sequence S000382411 (RDP), AB018046 (Genbank). N4Lid DOI: 10.1601/nm.7461

Microbispora mesophila^{VP} (Nonomura and Ohara 1971) Zhang et al. 1998. <== *Thermomonospora mesophila* (basonym). Synonym links through N4Lid: 10.1601/ex.7570. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27303. High-quality 16S rRNA sequence S000386890 (RDP), AF002266 (Genbank). N4Lid DOI: 10.1601/nm.7466

† *Thermomonospora mesophila*^{AL} Nonomura and Ohara 1971. ==> *Microbispora mesophila* (new combination). Synonym links through N4Lid: 10.1601/ex.7570. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27303. High-quality 16S rRNA sequence S000386890 (RDP), AF002266 (Genbank). N4Lid DOI: 10.1601/nm.7570

Genus *Microtetraspora*^{AL} Thiemann et al. 1968. N4Lid DOI: 10.1601/nm.7471

Microtetraspora glauca^{AL} Thiemann et al. 1968. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23057. High-quality 16S rRNA sequence S000001004 (RDP), X97891 (Genbank). N4Lid DOI: 10.1601/nm.7472

Microtetraspora fusca^{AL} Thiemann et al. 1968. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23058. High-quality 16S rRNA sequence S000437698 (RDP), U48973 (Genbank). N4Lid DOI: 10.1601/nm.7478

Microtetraspora malaysiensis^{VP} Nakajima et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44579. High-quality 16S rRNA sequence S000011381 (RDP), AB062383 (Genbank). N4Lid DOI: 10.1601/nm.7480

Microtetraspora niveoalba^{AL} Nonomura and Ohara 1971. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27301. High-quality 16S rRNA sequence S000437701 (RDP), U48976 (Genbank). N4Lid DOI: 10.1601/nm.7481

Microtetraspora tyrrenii^{VP} Tomita et al. 1992. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 53931. N4Lid DOI: 10.1601/nm.7491

Genus *Nonomuraea*^{VP} corrig. Zhang et al. 1998. N4Lid DOI: 10.1601/nm.7493

Nonomuraea pusilla^{VP} corrig. (Nonomura and Ohara 1971) Zhang et al. 1998. <== *Actinomadura pusilla* (basonym). Synonym links through N4Lid: 10.1601/ex.7613. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27296. High-quality 16S rRNA sequence S000435869 (RDP), D85491 (Genbank). N4Lid DOI: 10.1601/nm.7494

† *Actinomadura pusilla*^{AL} Nonomura and Ohara 1971. ==> *Microtetraspora pusilla* (new combination). Synonym links through N4Lid: 10.1601/ex.7613. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27296. High-quality 16S rRNA sequence S000435869 (RDP), D85491 (Genbank). N4Lid DOI: 10.1601/nm.7613

† *Microtetraspora pusilla*^{VP} (Nonomura and Ohara 1971) Kroppenstedt et al. 1991. <== *Actinomadura pusilla* (basonym). *Nonomuraea pusilla* (new combination). Synonym links through

N4Lid: 10.1601/ex.7613. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27296. High-quality 16S rRNA sequence S000435869 (RDP), D85491 (Genbank). N4Lid DOI: 10.1601/nm.7483

Nonomuraea africana^{VP} corrig. (Preobrazhenskaya and Sveshnikova 1974) Zhang et al. 1998. <== *Actinomadura africana* (basonym). Synonym links through N4Lid: 10.1601/ex.7574. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35107. High-quality 16S rRNA sequence S000437690 (RDP), U48842 (Genbank). N4Lid DOI: 10.1601/nm.7495

† *Microtetraspora africana*^{VP} (Preobrazhenskaya and Sveshnikova 1974) Kroppenstedt et al. 1991. <== *Actinomadura africana* (basonym). *Nonomuraea africana* (new combination). Synonym links through N4Lid: 10.1601/ex.7574. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35107. High-quality 16S rRNA sequence S000437690 (RDP), U48842 (Genbank). N4Lid DOI: 10.1601/nm.7473

† *Nocardiopsis africana*^{VP} (Preobrazhenskaya and Sveshnikova 1974) Preobrazhenskaya and Sveshnikova 1985. <== *Actinomadura africana* (basonym). *Microtetraspora africana* (new combination). Synonym links through N4Lid: 10.1601/ex.7574. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35107. High-quality 16S rRNA sequence S000437690 (RDP), U48842 (Genbank). N4Lid DOI: 10.1601/nm.7531

† *Actinomadura africana*^{AL} Preobrazhenskaya and Sveshnikova 1974. ==> *Nocardiopsis africana* (new combination). Synonym links through N4Lid: 10.1601/ex.7574. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35107. High-quality 16S rRNA sequence S000437690 (RDP), U48842 (Genbank). N4Lid DOI: 10.1601/nm.7574

Nonomuraea angiospora^{VP} corrig. (Zhukova et al. 1968) Zhang et al. 1998. <== *Micropolyspora angiospora* (basonym). Synonym links through N4Lid: 10.1601/ex.7496. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-3905. High-quality 16S rRNA sequence S000437691 (RDP), U48843 (Genbank). N4Lid DOI: 10.1601/nm.7496

† *Micropolyspora angiospora*^{AL} Zhukova et al. 1968. ==> *Microtetraspora angiospora* (new combination). Synonym links through N4Lid: 10.1601/ex.7496. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-3905. High-quality 16S rRNA sequence S000437691 (RDP), U48843 (Genbank). N4Lid DOI: 10.1601/nm.9039

† *Microtetraspora angiospora*^{VP} (Zhukova et al. 1968) Kroppenstedt et al. 1991. <== *Micropolyspora angiospora* (basonym). *Nonomuraea angiospora* (new combination). Synonym links through N4Lid: 10.1601/ex.7496. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-3905. High-quality 16S rRNA sequence S000437691 (RDP), U48843 (Genbank). N4Lid DOI: 10.1601/nm.7474

Nonomuraea dietziae^{VP} corrig. Stackebrandt et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35861. High-quality 16S rRNA sequence S000015066 (RDP), AJ278220 (Genbank). N4Lid DOI: 10.1601/nm.7497

Nonomuraea fastidiosa^{VP} corrig. (Soina et al. 1975) Zhang et al. 1998. <== *Actinomadura fastidiosa* (basonym). Synonym links through N4Lid: 10.1601/ex.7586. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33516. High-quality 16S rRNA sequence S000437692 (RDP), U48844 (Genbank). N4Lid DOI: 10.1601/nm.7498

† *Actinomadura fastidiosa*^{AL} Soina et al. 1975. ==> *Microtetraspora fastidiosa* (new combination). Synonym links through N4Lid: 10.1601/ex.7586. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33516. High-quality 16S rRNA sequence S000437692 (RDP), U48844 (Genbank). N4Lid DOI: 10.1601/nm.7586

† *Microtetraspora fastidiosa*^{VP} (Soina et al. 1975) Kroppenstedt et al. 1991. <== *Actinomadura fastidiosa* (basonym). *Nonomuraea fastidiosa* (new combination). Synonym links through N4Lid: 10.1601/ex.7586. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33516. High-quality 16S rRNA sequence S000437692 (RDP), U48844 (Genbank). N4Lid DOI: 10.1601/nm.7475

Nonomuraea ferruginea^{VP} corrig. (Meyer 1981) Zhang et al. 1998. <== *Actinomadura ferruginea* (basonym). Synonym links through N4Lid: 10.1601/ex.7587. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16096. High-quality 16S rRNA sequence S000437693 (RDP), U48845 (Genbank). N4Lid DOI: 10.1601/nm.7499

- † *Actinomadura ferruginea*^{VP} Meyer 1981. ==> *Microtetraspora ferruginea* (new combination). Synonym links through N4Lid: 10.1601/ex.7587. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16096. High-quality 16S rRNA sequence S000437693 (RDP), U48845 (Genbank). N4Lid DOI: 10.1601/nm.7587
- † *Microtetraspora ferruginea*^{VP} (Meyer 1981) Kroppenstedt et al. 1991. <== *Actinomadura ferruginea* (basonym). *Nonomuraea ferruginea* (new combination). Synonym links through N4Lid: 10.1601/ex.7587. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16096. High-quality 16S rRNA sequence S000437693 (RDP), U48845 (Genbank). N4Lid DOI: 10.1601/nm.7476
- Nonomuraea helvata*^{VP} corrig. (Nonomura and Ohara 1971) Zhang et al. 1998. <== *Actinomadura helvata* (basonym). Synonym links through N4Lid: 10.1601/ex.7595. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27295. N4Lid DOI: 10.1601/nm.7501
- † *Actinomadura helvata*^{AL} Nonomura and Ohara 1971. ==> *Microtetraspora helvata* (new combination). Synonym links through N4Lid: 10.1601/ex.7595. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27295. N4Lid DOI: 10.1601/nm.7595
- † *Microtetraspora helvata*^{VP} (Nonomura and Ohara 1971) Kroppenstedt et al. 1991. <== *Actinomadura helvata* (basonym). *Nonomuraea helvata* (new combination). Synonym links through N4Lid: 10.1601/ex.7595. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27295. N4Lid DOI: 10.1601/nm.7479
- Nonomuraea kuesteri*^{VP} Kämpfer et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24325. High-quality 16S rRNA sequence S000539581 (RDP), AJ746362 (Genbank). N4Lid 10.1601/nm.9326
- Nonomuraea longicatena*^{VP} Chiba et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 15532. High-quality 16S rRNA sequence S000018932 (RDP), AB018787 (Genbank). N4Lid DOI: 10.1601/nm.7502
- Nonomuraea polychroma*^{VP} corrig. (Galatenko et al. 1987) Zhang et al. 1998. <== *Actinomadura polychroma* (basonym). Synonym links through N4Lid: 10.1601/ex.7612. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49500. High-quality 16S rRNA sequence S000437702 (RDP), U48977 (Genbank). N4Lid DOI: 10.1601/nm.7503
- † *Actinomadura polychroma*^{VP} Galatenko et al. 1987. ==> *Microtetraspora polychroma* (new combination). Synonym links through N4Lid: 10.1601/ex.7612. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49500. High-quality 16S rRNA sequence S000437702 (RDP), U48977 (Genbank). N4Lid DOI: 10.1601/nm.7612
- † *Microtetraspora polychroma*^{VP} (Galatenko et al. 1987) Kroppenstedt et al. 1991. <== *Actinomadura polychroma* (basonym). *Nonomuraea polychroma* (new combination). Synonym links through N4Lid: 10.1601/ex.7612. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49500. High-quality 16S rRNA sequence S000437702 (RDP), U48977 (Genbank). N4Lid DOI: 10.1601/nm.7482
- Nonomuraea recticatena*^{VP} corrig. (Terekhova et al. 1987) Zhang et al. 1998. <== *Actinomadura recticatena* (basonym). Synonym links through N4Lid: 10.1601/ex.7614. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 43937. High-quality 16S rRNA sequence S000437704 (RDP), U48979 (Genbank). N4Lid DOI: 10.1601/nm.7504
- † *Actinomadura recticatena*^{VP} Terekhova et al. 1987. ==> *Microtetraspora recticatena* (new combination). Synonym links through N4Lid: 10.1601/ex.7614. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 43937. High-quality 16S rRNA sequence S000437704 (RDP), U48979 (Genbank). N4Lid DOI: 10.1601/nm.7614
- † *Microtetraspora recticatena*^{VP} (Terekhova et al. 1987) Kroppenstedt et al. 1991. <== *Actinomadura recticatena* (basonym). *Nonomuraea recticatena* (new combination). Synonym links through N4Lid: 10.1601/ex.7614. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 43937. High-quality 16S rRNA sequence S000437704 (RDP), U48979 (Genbank). N4Lid DOI: 10.1601/nm.7484
- Nonomuraea roseola*^{VP} corrig. (Lavrova and Preobrazhenskaya 1975) Zhang et al. 1998. <== *Actinomadura roseola* (basonym). Synonym links through N4Lid: 10.1601/ex.7615. Source of

type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33579. High-quality 16S rRNA sequence S000437705 (RDP), U48980 (Genbank). N4Lid DOI: 10.1601/nm.7505

† *Actinomadura roseola*^{AL} Lavrova and Preobrazhenskaya 1975. ==> *Microtetraspora roseola* (new combination). Synonym links through N4Lid: 10.1601/ex.7615. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33579. High-quality 16S rRNA sequence S000437705 (RDP), U48980 (Genbank). N4Lid DOI: 10.1601/nm.7615

† *Microtetraspora roseola*^{VP} (Lavrova and Preobrazhenskaya 1975) Kroppenstedt et al. 1991. <== *Actinomadura roseola* (basonym). *Nonomuraea roseola* (new combination). Synonym links through N4Lid: 10.1601/ex.7615. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33579. High-quality 16S rRNA sequence S000437705 (RDP), U48980 (Genbank). N4Lid DOI: 10.1601/nm.7485

Nonomuraea roseoviolacea subsp. roseoviolacea^{VP} (Nonomura and Ohara 1971) Zhang et al. 1998. <== *Actinomadura roseoviolacea* (basonym). Synonym links through N4Lid: 10.1601/ex.7616. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27297. High-quality 16S rRNA sequence S000022532 (RDP), AB039959 (Genbank). N4Lid DOI: 10.1601/nm.7506

† *Actinomadura roseoviolacea*^{AL} Nonomura and Ohara 1971. ==> *Microtetraspora roseoviolacea* (new combination). Synonym links through N4Lid: 10.1601/ex.7616. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27297. High-quality 16S rRNA sequence S000022532 (RDP), AB039959 (Genbank). N4Lid DOI: 10.1601/nm.7616

† *Microtetraspora roseoviolacea*^{VP} (Nonomura and Ohara 1971) Kroppenstedt et al. 1991. <== *Actinomadura roseoviolacea* (basonym). *Nonomuraea roseoviolacea subsp. roseoviolacea* (new combination). Synonym links through N4Lid: 10.1601/ex.7616. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27297. High-quality 16S rRNA sequence S000022532 (RDP), AB039959 (Genbank). N4Lid DOI: 10.1601/nm.7486

Nonomuraea roseoviolacea subsp. carminata^{VP} (Gauze et al. 1973) Gyobu and Miyadoh 2001. <== *Actinomadura carminata* (basonym). Synonym links through N4Lid: 10.1601/ex.7577. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44170. N4Lid DOI: 10.1601/nm.7507

† *Actinomadura carminata*^{AL} Gauze et al. 1973. ==> *Nonomuraea roseoviolacea subsp. carminata* (new combination). Synonym links through N4Lid: 10.1601/ex.7577. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44170. N4Lid DOI: 10.1601/nm.7577

Nonomuraea rubra^{VP} corrig. (Sveshnikova et al. 1969) Zhang et al. 1998. <== *Actinomadura rubra* (basonym). Synonym links through N4Lid: 10.1601/ex.7617. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27031. High-quality 16S rRNA sequence S000390519 (RDP), AF277200 (Genbank). N4Lid DOI: 10.1601/nm.7508

† *Actinomadura rubra*^{AL} (Sveshnikova et al. 1969) Meyer and Sveshnikova 1974. ==> *Microtetraspora rubra* (new combination). Synonym links through N4Lid: 10.1601/ex.7617. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27031. High-quality 16S rRNA sequence S000390519 (RDP), AF277200 (Genbank). N4Lid DOI: 10.1601/nm.7617

† *Microtetraspora rubra*^{VP} (Sveshnikova et al. 1969) Kroppenstedt et al. 1991. <== *Actinomadura rubra* (basonym). *Nonomuraea rubra* (new combination). Synonym links through N4Lid: 10.1601/ex.7617. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27031. High-quality 16S rRNA sequence S000390519 (RDP), AF277200 (Genbank). N4Lid DOI: 10.1601/nm.7487

Nonomuraea salmonea^{VP} corrig. (Preobrazhenskaya et al. 1975) Zhang et al. 1998. <== *Actinomadura salmonea* (basonym). Synonym links through N4Lid: 10.1601/ex.7620. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33580. High-quality 16S rRNA sequence S000014657 (RDP), X97892 (Genbank). N4Lid DOI: 10.1601/nm.7509

† *Actinomadura salmonea*^{AL} Preobrazhenskaya et al. 1975. ==> *Microtetraspora salmonea* (new combination). Synonym links through N4Lid: 10.1601/ex.7620. Source of type material

recommended for DOE sponsored genome sequencing by the JGI: ATCC 33580. High-quality 16S rRNA sequence S000014657 (RDP), X97892 (Genbank). N4Lid DOI: 10.1601/nm.7620

† *Microtetraspora salmonea*^{VP} (Preobrazhenskaya et al. 1975) Kroppenstedt et al. 1991. <== *Actinomadura salmonea* (basonym). *Nonomuraea salmonea* (new combination). Synonym links through N4Lid: 10.1601/ex.7620. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33580. High-quality 16S rRNA sequence S000014657 (RDP), X97892 (Genbank). N4Lid DOI: 10.1601/nm.7488

Nonomuraea spiralis^{VP} corrig. (Meyer 1981) Zhang et al. 1998. <== *Actinomadura spiralis* (basonym). Synonym links through N4Lid: 10.1601/ex.7622. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35114. High-quality 16S rRNA sequence S000437707 (RDP), U48983 (Genbank). N4Lid DOI: 10.1601/nm.7510

† *Actinomadura spiralis*^{VP} Meyer 1981. ==> *Microtetraspora spiralis* (new combination). Synonym links through N4Lid: 10.1601/ex.7622. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35114. High-quality 16S rRNA sequence S000437707 (RDP), U48983 (Genbank). N4Lid DOI: 10.1601/nm.7622

† *Microtetraspora spiralis*^{VP} (Meyer 1981) Kroppenstedt et al. 1991. <== *Actinomadura spiralis* (basonym). *Nonomuraea spiralis* (new combination). Synonym links through N4Lid: 10.1601/ex.7622. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35114. High-quality 16S rRNA sequence S000437707 (RDP), U48983 (Genbank). N4Lid DOI: 10.1601/nm.7489

Nonomuraea turkmeniaca^{VP} corrig. (Terekhova et al. 1987) Zhang et al. 1998. <== *Actinomadura turkmeniaca* (basonym). Synonym links through N4Lid: 10.1601/ex.7623. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49501. High-quality 16S rRNA sequence S000390520 (RDP), AF277201 (Genbank). N4Lid DOI: 10.1601/nm.7511

† *Actinomadura turkmeniaca*^{VP} Terekhova et al. 1987. ==> *Microtetraspora turkmeniaca* (new combination). Synonym links through N4Lid: 10.1601/ex.7623. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49501. High-quality 16S rRNA sequence S000390520 (RDP), AF277201 (Genbank). N4Lid DOI: 10.1601/nm.7623

† *Microtetraspora turkmeniaca*^{VP} (Terekhova et al. 1987) Kroppenstedt et al. 1991. <== *Actinomadura turkmeniaca* (basonym). *Nonomuraea turkmeniaca* (new combination). Synonym links through N4Lid: 10.1601/ex.7623. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49501. High-quality 16S rRNA sequence S000390520 (RDP), AF277201 (Genbank). N4Lid DOI: 10.1601/nm.7490

Genus *Planobispora*^{AL} Thiemann and Beretta 1968. N4Lid DOI: 10.1601/nm.7512

Planobispora longispora^{AL} Thiemann and Beretta 1968. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23867. High-quality 16S rRNA sequence S000435871 (RDP), D85494 (Genbank). N4Lid DOI: 10.1601/nm.7513

Planobispora rosea^{AL} Thiemann 1967. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23866. High-quality 16S rRNA sequence S000382843 (RDP), AB028654 (Genbank). N4Lid DOI: 10.1601/nm.7514

Genus *Planomonospora*^{AL} Thiemann et al. 1967. N4Lid DOI: 10.1601/nm.7515

Planomonospora parontospora subsp. *parontospora*^{AL} Thiemann et al. 1967. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23863. High-quality 16S rRNA sequence S000435872 (RDP), D85495 (Genbank). N4Lid DOI: 10.1601/nm.7516

Planomonospora parontospora subsp. *antibiotica*^{AL} Thiemann et al. 1968. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23864. High-quality 16S rRNA sequence S000382842 (RDP), AB028653 (Genbank). N4Lid DOI: 10.1601/nm.7517

Planomonospora alba^{VP} Mertz 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51588. High-quality 16S rRNA sequence S000384008 (RDP), AB062381 (Genbank). N4Lid DOI: 10.1601/nm.7518

Planomonospora sphaerica^{VP} Mertz 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51587. High-quality 16S rRNA sequence S000384009 (RDP), AB062382 (Genbank). N4Lid DOI: 10.1601/nm.7519

Planomonospora venezuelensis^{AL} Thiemann 1967. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23865. High-quality 16S rRNA sequence S000382844 (RDP), AB028655 (Genbank). N4Lid DOI: 10.1601/nm.7520

Genus *Planotetraspora*^{VP} Runmao et al. 1993. N4Lid DOI: 10.1601/nm.7523

Planotetraspora mira^{VP} Runmao et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51423. High-quality 16S rRNA sequence S000435873 (RDP), D85496 (Genbank). N4Lid DOI: 10.1601/nm.7524

Planotetraspora silvatica^{VP} Tamura and Sakane 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44746. High-quality 16S rRNA sequence S000439513 (RDP), AB112082 (Genbank). N4Lid DOI: 10.1601/nm.8783

Family *Nocardiopsaceae*^{VP} Rainey et al 1996. N4Lid DOI: 10.1601/nm.7525

Genus *Nocardiopsis*^{AL} (Brocq-Rousseau 1904) Meyer 1976. N4Lid DOI: 10.1601/nm.7526

Nocardiopsis dassonvillei subsp. dassonvillei^{VP} (Brocq-Rousseau 1904) Meyer 1976. ≈ *Nocardiopsis antarctica* (later heterotypic synonym), links through 10.1601/nm.7527. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23218. High-quality 16S rRNA sequence S000008531 (RDP), X97886 (Genbank). N4Lid DOI: 10.1601/nm.7527

† *Nocardiopsis antarctica*^{VP} corrig. Abyzov et al. 1984. ≈ *Nocardiopsis dassonvillei subsp. dassonvillei* (earlier heterotypic synonym), links through 10.1601/nm.7527. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43517. N4Lid DOI: 10.1601/nm.7536

Nocardiopsis dassonvillei subsp. albirubida^{VP} (Grund and Kroppenstedt 1990) Evtushenko et al. 2000. <== *Nocardiopsis alborubida* (basonym). Synonym links through N4Lid: 10.1601/ex.7534. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23612. High-quality 16S rRNA sequence S000001617 (RDP), X97882 (Genbank). N4Lid DOI: 10.1601/nm.7528

† *Nocardiopsis alborubida*^{VP} corrig. Grund and Kroppenstedt 1990. ==> *Nocardiopsis dassonvillei subsp. albirubida* (new combination). Synonym links through N4Lid: 10.1601/ex.7534. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23612. High-quality 16S rRNA sequence S000001617 (RDP), X97882 (Genbank). N4Lid DOI: 10.1601/nm.7534

Nocardiopsis aegyptia^{VP} Sabry et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24244. High-quality 16S rRNA sequence S000276680 (RDP), AJ539401 (Genbank). N4Lid DOI: 10.1601/nm.7530

Nocardiopsis alba subsp. alba^{VP} corrig. Grund and Kroppenstedt 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 43377. High-quality 16S rRNA sequence S000004356 (RDP), X97883 (Genbank). N4Lid DOI: 10.1601/nm.7532

Nocardiopsis alkaliphila^{VP} Hozzein et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44657. High-quality 16S rRNA sequence S000403258 (RDP), AY230848 (Genbank). N4Lid DOI: 10.1601/nm.7535

Nocardiopsis baichengensis^{VP} Li et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44845. High-quality 16S rRNA sequence S000573888 (RDP), AY619716 (Genbank). N4Lid DOI: 10.1601/nm.10027

Nocardiopsis chromatogenes^{VP} Li et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44844. High-quality 16S rRNA sequence S000573887 (RDP), AY619715 (Genbank). N4Lid DOI: 10.1601/nm.10026

Nocardiopsis composta^{VP} corrig. Kämpfer et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24145. High-quality 16S rRNA sequence S000392296 (RDP), AF360734 (Genbank). N4Lid DOI: 10.1601/nm.7537

Nocardiopsis exhalans^{VP} Peltola et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24123. High-quality 16S rRNA sequence S000434588 (RDP), AY028325 (Genbank). N4Lid DOI: 10.1601/nm.7539

Nocardiopsis gilva^{VP} Li et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44841. High-quality 16S rRNA sequence S000573884 (RDP), AY619712 (Genbank). N4Lid DOI: 10.1601/nm.10023

Nocardiopsis halophila^{VP} Al-Tai and Ruan 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44494. High-quality 16S rRNA sequence S000005673 (RDP), AJ421018 (Genbank). N4Lid DOI: 10.1601/nm.7541

Nocardiopsis halotolerans^{VP} Al-Zarban et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24124. High-quality 16S rRNA sequence S000006814 (RDP), AJ290448 (Genbank). N4Lid DOI: 10.1601/nm.7542

Nocardiopsis kunsanensis^{VP} Chun et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44524. High-quality 16S rRNA sequence S000388923 (RDP), AF195412 (Genbank). N4Lid DOI: 10.1601/nm.7543

Nocardiopsis listeri^{VP} Grund and Kroppenstedt 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27442. High-quality 16S rRNA sequence S000004769 (RDP), X97887 (Genbank). N4Lid DOI: 10.1601/nm.7544

Nocardiopsis lucentensis^{VP} Yassin et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51300. High-quality 16S rRNA sequence S000003538 (RDP), X97888 (Genbank). N4Lid DOI: 10.1601/nm.7546

Nocardiopsis metallicus^{VP} Schippers et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24159. High-quality 16S rRNA sequence S000104829 (RDP), AJ420769 (Genbank). N4Lid DOI: 10.1601/nm.7547

Nocardiopsis prasina^{VP} (Miyashita et al. 1984) Yassin et al. 1997. <== *Nocardiopsis dassonvillei* subsp. *prasina* (basonym). Synonym links through N4Lid: 10.1601/ex.7529. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35940. N4Lid DOI: 10.1601/nm.7549

† *Nocardiopsis alba* subsp. *prasina*^{VP} corrig. (Miyashita et al. 1984) Grund and Kroppenstedt 1990. <== *Nocardiopsis dassonvillei* subsp. *prasina* (basonym). *Nocardiopsis prasina* (new combination). Synonym links through N4Lid: 10.1601/ex.7529. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35940. N4Lid DOI: 10.1601/nm.7533

† *Nocardiopsis dassonvillei* subsp. *prasina*^{VP} Miyashita et al. 1984. ==> *Nocardiopsis alba* subsp. *prasina* (new combination). Synonym links through N4Lid: 10.1601/ex.7529. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35940. N4Lid DOI: 10.1601/nm.7529

Nocardiopsis rhodophaea^{VP} Li et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44843. High-quality 16S rRNA sequence S000573886 (RDP), AY619714 (Genbank). N4Lid DOI: 10.1601/nm.10025

Nocardiopsis rosea^{VP} Li et al. 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44842. High-quality 16S rRNA sequence S000573885 (RDP), AY619713 (Genbank). N4Lid DOI: 10.1601/nm.10024

Nocardiopsis salina^{VP} Li et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 13364. High-quality 16S rRNA sequence S000418948 (RDP), AY373031 (Genbank). N4Lid 10.1601/nm.8745

Nocardiopsis synnemataformans^{VP} Yassin et al. 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44143. High-quality 16S rRNA sequence S000375761 (RDP), Y13593 (Genbank). N4Lid DOI: 10.1601/nm.7550

Nocardiopsis trehalosi^{VP} (ex Dolak et al. 1981) Evtushenko et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 12026. High-quality 16S rRNA sequence S000428967 (RDP), AF105972 (Genbank). N4Lid DOI: 10.1601/nm.7552

Nocardiopsis tropica^{VP} Evtushenko et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44381. High-quality 16S rRNA sequence S000428966 (RDP), AF105971 (Genbank). N4Lid DOI: 10.1601/nm.7553

Nocardiopsis umidischolae^{VP} Peltola et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24122. High-quality 16S rRNA sequence S000434710 (RDP), AY036001 (Genbank). N4Lid DOI: 10.1601/nm.7554

Nocardiopsis xinjiangensis^{VP} Li et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24158. High-quality 16S rRNA sequence S000390111 (RDP), AF251709 (Genbank). N4Lid DOI: 10.1601/nm.7555

Genus *Streptomonospora* ^{VP} corrig. Cui et al. 2001. N4Lid DOI: 10.1601/nm.7556

Streptomonospora salina ^{VP} corrig. Cui et al. 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44593. High-quality 16S rRNA sequence S000388712 (RDP), AF178988 (Genbank). N4Lid DOI: 10.1601/nm.7557

Streptomonospora alba ^{VP} Li et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44588. High-quality 16S rRNA sequence S000394518 (RDP), AF462347 (Genbank). N4Lid DOI: 10.1601/nm.7558

Genus *Thermobifida* ^{VP} Zhang et al. 1998. N4Lid DOI: 10.1601/nm.7559

Thermobifida alba ^{VP} (Locci et al. 1967) Zhang et al. 1998. <== *Thermomonospora alba* (basonym). Synonym links through N4Lid: 10.1601/ex.7566. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 43795. High-quality 16S rRNA sequence S000427844 (RDP), AF028247 (Genbank). N4Lid DOI: 10.1601/nm.7560

† *Thermomonospora alba* ^{AL} (Locci et al. 1967) Cross and Goodfellow 1973. ==> *Thermobifida alba* (new combination). Synonym links through N4Lid: 10.1601/ex.7566. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 43795. High-quality 16S rRNA sequence S000427844 (RDP), AF028247 (Genbank). N4Lid DOI: 10.1601/nm.7560

† *Thermomonospora mesouviformis* ^{AL} Nonomura and Ohara 1974. ≈ *Thermobifida alba* (earlier heterotypic synonym), links through 10.1601/nm.7560. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27644. High-quality 16S rRNA sequence S000427844 (RDP), AF028247 (Genbank). N4Lid DOI: 10.1601/nm.7571

Thermobifida cellulositytica ^{VP} corrig. Kukolya et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44535. High-quality 16S rRNA sequence S000084122 (RDP), AJ298058 (Genbank). N4Lid DOI: 10.1601/nm.7561

Thermobifida fusca ^{VP} (McCarthy and Cross 1984) Zhang et al. 1998. <== *Thermomonospora fusca* (basonym). Synonym links through N4Lid: 10.1601/ex.7569. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-8184. High-quality 16S rRNA sequence S000386888 (RDP), AF002264 (Genbank). GOLD ID: Gc00288. GCAT ID: 000321_GCAT. Entrez genome id: 94. Sequenced strain: YX is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.7562

† *Thermomonospora fusca* ^{VP} (ex Henssen 1957) McCarthy and Cross 1984. ==> *Thermobifida fusca* (new combination). Synonym links through N4Lid: 10.1601/ex.7569. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-8184. High-quality 16S rRNA sequence S000386888 (RDP), AF002264 (Genbank). GOLD ID: Gc00288. GCAT ID: 000321_GCAT. Entrez genome id: 94. Sequenced strain: YX is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.7569

Family *Thermomonosporaceae* ^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.7563

Genus *Thermomonospora* ^{AL} Henssen 1957. N4Lid DOI: 10.1601/nm.7564

Thermomonospora curvata ^{AL} Henssen 1957. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19995. High-quality 16S rRNA sequence S000014319 (RDP), X97893 (Genbank). N4Lid DOI: 10.1601/nm.7565

Thermomonospora chromogena ^{VP} (ex Krasil'nikov and Agre 1965) McCarthy and Cross 1984. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43196. High-quality 16S rRNA sequence S000427843 (RDP), AF028246 (Genbank). N4Lid DOI: 10.1601/nm.7567

Genus *Actinocorallia* ^{VP} Inuma et al. 1994. N4Lid DOI: 10.1601/nm.7732

Actinocorallia herbida ^{VP} Inuma et al. 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51528. High-quality 16S rRNA sequence S000435853 (RDP), D85473 (Genbank). N4Lid DOI: 10.1601/nm.7733

Actinocorallia aurantiaca ^{VP} (Lavrova and Preobrazhenskaya 1975) Zhang et al. 2001. <== *Actinomadura aurantiaca* (basonym). Synonym links through N4Lid: 10.1601/ex.7576. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 43924. High-quality 16S rRNA sequence S000387868 (RDP), AF134066 (Genbank). N4Lid DOI: 10.1601/nm.7734

- † *Actinomadura aurantiaca*^{AL} Lavrova and Preobrazhenskaya 1975. ==> *Actinocorallia aurantiaca* (new combination). Synonym links through N4Lid: 10.1601/ex.7576. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 43924. High-quality 16S rRNA sequence S000387868 (RDP), AF134066 (Genbank). N4Lid DOI: 10.1601/nm.7576
- Actinocorallia cavernae*^{VP} Lee 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24429. High-quality 16S rRNA sequence S000597605 (RDP), AY966427 (Genbank). N4Lid DOI: 10.1601/nm.10022
- Actinocorallia glomerata*^{VP} (Itoh et al. 1996) Zhang et al. 2001. <== *Actinomadura glomerata* (basonym). Synonym links through N4Lid: 10.1601/ex.7594. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44360. High-quality 16S rRNA sequence S000482843 (RDP), D50660 (Genbank). N4Lid DOI: 10.1601/nm.7735
- † *Actinomadura glomerata*^{VP} Itoh et al. 1996. ==> *Actinocorallia glomerata* (new combination). Synonym links through N4Lid: 10.1601/ex.7594. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44360. High-quality 16S rRNA sequence S000482843 (RDP), D50660 (Genbank). N4Lid DOI: 10.1601/nm.7594
- Actinocorallia libanotica*^{VP} (Meyer 1981) Zhang et al. 2001. <== *Actinomadura libanotica* (basonym). Synonym links through N4Lid: 10.1601/ex.7599. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35576. High-quality 16S rRNA sequence S000437731 (RDP), U49007 (Genbank). N4Lid DOI: 10.1601/nm.7736
- † *Actinomadura libanotica*^{VP} Meyer 1981. ==> *Actinocorallia libanotica* (new combination). Synonym links through N4Lid: 10.1601/ex.7599. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35576. High-quality 16S rRNA sequence S000437731 (RDP), U49007 (Genbank). N4Lid DOI: 10.1601/nm.7599
- Actinocorallia longicatena*^{VP} (Itoh et al. 1996) Zhang et al. 2001. <== *Actinomadura longicatena* (basonym). Synonym links through N4Lid: 10.1601/ex.7601. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44361. High-quality 16S rRNA sequence S000388388 (RDP), AF163117 (Genbank). N4Lid DOI: 10.1601/nm.7737
- † *Actinomadura longicatena*^{VP} Itoh et al. 1996. ==> *Actinocorallia longicatena* (new combination). Synonym links through N4Lid: 10.1601/ex.7601. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44361. High-quality 16S rRNA sequence S000388388 (RDP), AF163117 (Genbank). N4Lid DOI: 10.1601/nm.7601
- Genus *Actinomadura***^{AL} Lechevalier and Lechevalier 1968. ≈ *Actinomadura* (later heterotypic synonym), links through 10.1601/nm.7572. N4Lid DOI: 10.1601/nm.7572
- Actinomadura madurae*^{AL} (Vincent 1894) Lechevalier and Lechevalier 1968. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 19425. High-quality 16S rRNA sequence S000022279 (RDP), X97889 (Genbank). N4Lid DOI: 10.1601/nm.7573
- Actinomadura napierensis*^{VP} Cook et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24319. High-quality 16S rRNA sequence S000503566 (RDP), AY568292 (Genbank). N4Lid 10.1601/nm.9313
- Actinomadura hallensis*^{VP} Lee and Jeong 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24436. High-quality 16S rRNA sequence S000633544 (RDP), DQ076484 (Genbank). N4Lid 10.1601/nm.9823
- Actinomadura atramentaria*^{VP} Miyadoh et al. 1987. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 43919. High-quality 16S rRNA sequence S000437724 (RDP), U49000 (Genbank). N4Lid DOI: 10.1601/nm.7575
- Actinomadura catellatispora*^{VP} Lu et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 16341. High-quality 16S rRNA sequence S000388260 (RDP), AF154127 (Genbank). N4Lid DOI: 10.1601/nm.7578
- Actinomadura citrea*^{AL} Lavrova et al. 1972. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27887. High-quality 16S rRNA sequence S000437725 (RDP), U49001 (Genbank). N4Lid DOI: 10.1601/nm.7579
- Actinomadura coerulea*^{AL} Preobrazhenskaya et al. 1975. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33576. High-quality 16S rRNA sequence S000437726 (RDP), U49002 (Genbank). N4Lid DOI: 10.1601/nm.7580

- Actinomadura cremea subsp. cremea*^{VP} Preobrazhenskaya et al. 1975. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33577. High-quality 16S rRNA sequence S000437727 (RDP), U49003 (Genbank). N4Lid DOI: 10.1601/nm.7583
- Actinomadura cremea subsp. rifamycini*^{VP} Gauze et al. 1987. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33264. N4Lid DOI: 10.1601/nm.7584
- Actinomadura echinospora*^{VP} (Nonomura and Ohara 1971) Kroppenstedt et al. 1991. <== *Microbispora echinospora* (basonym). Synonym links through N4Lid: 10.1601/ex.7463. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27300. High-quality 16S rRNA sequence S000437728 (RDP), U49004 (Genbank). N4Lid DOI: 10.1601/nm.7585
- † *Microbispora echinospora*^{AL} Nonomura and Ohara 1971. ==> *Actinomadura echinospora* (new combination). Synonym links through N4Lid: 10.1601/ex.7463. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27300. High-quality 16S rRNA sequence S000437728 (RDP), U49004 (Genbank). N4Lid DOI: 10.1601/nm.7463
- Actinomadura fibrosa*^{VP} Mertz and Yao 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49459. High-quality 16S rRNA sequence S000388385 (RDP), AF163114 (Genbank). N4Lid DOI: 10.1601/nm.7588
- Actinomadura formosensis*^{VP} (Hasegawa et al. 1986) Zhang et al. 1998. <== *Thermomonospora formosensis* (basonym). Synonym links through N4Lid: 10.1601/ex.7568. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16984. High-quality 16S rRNA sequence S000386887 (RDP), AF002263 (Genbank). N4Lid DOI: 10.1601/nm.7591
- † *Thermomonospora formosensis*^{VP} Hasegawa et al. 1986. ==> *Actinomadura formosensis* (new combination). Synonym links through N4Lid: 10.1601/ex.7568. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16984. High-quality 16S rRNA sequence S000386887 (RDP), AF002263 (Genbank). N4Lid DOI: 10.1601/nm.7568
- Actinomadura fulvescens*^{VP} Terekhova et al. 1987. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16245. High-quality 16S rRNA sequence S000437729 (RDP), U49005 (Genbank). N4Lid DOI: 10.1601/nm.7592
- Actinomadura glauciflava*^{VP} Lu et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 14668. High-quality 16S rRNA sequence S000388254 (RDP), AF153881 (Genbank). N4Lid DOI: 10.1601/nm.7593
- Actinomadura hibisca*^{VP} Tomita et al. 1991. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 53557. High-quality 16S rRNA sequence S000133752 (RDP), AJ420136 (Genbank). N4Lid DOI: 10.1601/nm.7596
- Actinomadura kijaniata*^{VP} Horan and Brodsky 1982. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31588. High-quality 16S rRNA sequence S000009982 (RDP), X97890 (Genbank). N4Lid DOI: 10.1601/nm.7597
- Actinomadura latina*^{VP} Trujillo and Goodfellow 1997. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-277. High-quality 16S rRNA sequence S000434707 (RDP), AY035998 (Genbank). N4Lid DOI: 10.1601/nm.7598
- Actinomadura livida*^{AL} Lavrova and Preobrazhenskaya 1975. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33578. High-quality 16S rRNA sequence S000388387 (RDP), AF163116 (Genbank). N4Lid DOI: 10.1601/nm.7600
- Actinomadura luteofluorescens*^{AL} (Shinobu 1962) Preobrazhenskaya et al. 1975. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25469. High-quality 16S rRNA sequence S000437732 (RDP), U49008 (Genbank). N4Lid DOI: 10.1601/nm.7603
- Actinomadura macra*^{VP} (ex Celmer et al. 1979) Huang 1980. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 31286. High-quality 16S rRNA sequence S000437733 (RDP), U49009 (Genbank). N4Lid DOI: 10.1601/nm.7604
- Actinomadura mexicana*^{VP} Quintana et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24203. High-quality 16S rRNA sequence S000390514 (RDP), AF277195 (Genbank). N4Lid DOI: 10.1601/nm.7606

Actinomadura meyeræ^{VP} corrig. Quintana et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24247. High-quality 16S rRNA sequence S000405234 (RDP), AY273787 (Genbank). N4Lid DOI: 10.1601/nm.7607

Actinomadura namibiensis^{VP} Wink et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24153. High-quality 16S rRNA sequence S000133989 (RDP), AJ420134 (Genbank). N4Lid DOI: 10.1601/nm.7608

Actinomadura nitritigenes^{VP} Lipski and Altendorf 1995. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44137. High-quality 16S rRNA sequence S000434708 (RDP), AY035999 (Genbank). N4Lid DOI: 10.1601/nm.7609

Actinomadura oligospora^{VP} Mertz and Yao 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43269. High-quality 16S rRNA sequence S000388389 (RDP), AF163118 (Genbank). N4Lid DOI: 10.1601/nm.7610

Actinomadura pelletieri^{AL} (Laveran 1906) Lechevalier and Lechevalier 1968. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33385. High-quality 16S rRNA sequence S000388390 (RDP), AF163119 (Genbank). N4Lid DOI: 10.1601/nm.7611

Actinomadura rubrobrunea^{VP} (ex Krasil'nikov et al. 1968) Kroppenstedt et al. 1991. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49883. N4Lid DOI: 10.1601/nm.7618

Actinomadura rugatobispora^{VP} Miyadoh et al. 1991. <== *Microbispora viridis* (basonym). Synonym links through N4Lid: 10.1601/ex.7470. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51643. High-quality 16S rRNA sequence S000437734 (RDP), U49010 (Genbank). N4Lid DOI: 10.1601/nm.7619

† *Microbispora viridis*^{VP} Miyadoh et al. 1985. ==> *Actinomadura rugatobispora* (new combination). Synonym links through N4Lid: 10.1601/ex.7470. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51643. High-quality 16S rRNA sequence S000437734 (RDP), U49010 (Genbank). N4Lid DOI: 10.1601/nm.7470

Actinomadura spadix^{AL} Nonomura and Ohara 1971. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27298. High-quality 16S rRNA sequence S000388391 (RDP), AF163120 (Genbank). N4Lid DOI: 10.1601/nm.7621

Actinomadura umbrina^{VP} Galatenko et al. 1987. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49502. High-quality 16S rRNA sequence S000388392 (RDP), AF163121 (Genbank). N4Lid DOI: 10.1601/nm.7624

Actinomadura verrucosopora^{AL} Nonomura and Ohara 1971. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27299. High-quality 16S rRNA sequence S000437735 (RDP), U49011 (Genbank). N4Lid DOI: 10.1601/nm.7625

Actinomadura vinacea^{AL} Lavrova and Preobrazhenskaya 1975. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33581. High-quality 16S rRNA sequence S000387872 (RDP), AF134070 (Genbank). N4Lid DOI: 10.1601/nm.7626

Actinomadura viridilutea^{VP} (Agre and Guzeva 1975) Zhang et al. 2001. <== *Excellospora viridilutea* (basonym). Synonym links through N4Lid: 10.1601/ex.7739. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33925. High-quality 16S rRNA sequence S000435903 (RDP), D86943 (Genbank). N4Lid DOI: 10.1601/nm.7627

† *Excellospora viridilutea*^{AL} Agre and Guzeva 1975. ==> *Actinomadura viridilutea* (new combination). Synonym links through N4Lid: 10.1601/ex.7739. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33925. High-quality 16S rRNA sequence S000435903 (RDP), D86943 (Genbank). N4Lid DOI: 10.1601/nm.7739

† *Actinomadura malachitica*^{AL} Lavrova et al. 1972. ≈ *Actinomadura viridis* (earlier heterotypic synonym), links through 10.1601/nm.7628. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27888. N4Lid DOI: 10.1601/nm.7605

Actinomadura viridis^{VP} (Nonomura and Ohara 1971) Miyadoh et al. 1989. <== *Microtetraspora viridis* (basonym). Synonym links through N4Lid: 10.1601/ex.7492. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27103. High-quality 16S rRNA sequence S000435849 (RDP), D85467 (Genbank). N4Lid DOI: 10.1601/nm.7628

- † *Microtetraspora viridis*^{AL} Nonomura and Ohara 1971. ==> *Actinomadura viridis* (new combination). Synonym links through N4Lid: 10.1601/ex.7492. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27103. High-quality 16S rRNA sequence S000435849 (RDP), D85467 (Genbank). N4Lid DOI: 10.1601/nm.7492
- Actinomadura yumaensis*^{VP} Labeda et al. 1985. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL 12515. High-quality 16S rRNA sequence S000388393 (RDP), AF163122 (Genbank). N4Lid DOI: 10.1601/nm.7629
- Genus † *Excillospora*^{AL} Agre and Guzeva 1975. ≈ *Actinomadura* (earlier heterotypic synonym), links through 10.1601/nm.7572. N4Lid DOI: 10.1601/nm.7738
- Genus *Goodfellowia*^{VP} Labeda and Kroppenstedt 2006. N4Lid DOI: 10.1601/nm.10130
- Goodfellowia coeruleoviolacea*^{VP} (Preobrazhenskaya and Terekhova 1987) Labeda and Kroppenstedt 2006. <== *Actinomadura coeruleoviolacea* (basonym). Synonym links through N4Lid: 10.1601/ex.7582. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33576. High-quality 16S rRNA sequence S000437726 (RDP), U49002 (Genbank). N4Lid DOI: 10.1601/nm.10129
- † *Saccharothrix coeruleoviolacea*^{VP} (Preobrazhenskaya and Terekhova 1987) Kroppenstedt et al. 1991. <== *Actinomadura coeruleoviolacea* (basonym). *Goodfellowia coeruleoviolacea* (new combination). Synonym links through N4Lid: 10.1601/ex.7582. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24058. N4Lid DOI: 10.1601/nm.6803
- † *Actinomadura coeruleoviolacea*^{VP} Preobrazhenskaya and Terekhova 1987. ==> *Saccharothrix coeruleoviolacea* (new combination). Synonym links through N4Lid: 10.1601/ex.7582. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24058. N4Lid DOI: 10.1601/nm.7582
- Genus *Spirillospora*^{AL} Couch 1963. N4Lid DOI: 10.1601/nm.7630
- Spirillospora albida*^{AL} Couch 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15331. High-quality 16S rRNA sequence S000435875 (RDP), D85498 (Genbank). N4Lid DOI: 10.1601/nm.7631
- Spirillospora rubra*^{VP} (ex Schäfer 1973) Vobis and Kothe 1989. Source of type material recommended for DOE sponsored genome sequencing by the JGI: CBS 571.75. N4Lid DOI: 10.1601/nm.7632
- Genus *Thermopolyspora*^{VP} (ex Krasil'nikov and Agre 1964) Goodfellow et al. 2005. N4Lid 10.1601/nm.9588
- Thermopolyspora flexuosa*^{VP} (Meyer 1989) Goodfellow et al. 2005. <== *Actinomadura flexuosa* (basonym). Synonym links through N4Lid: 10.1601/ex.7590. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35864. High-quality 16S rRNA sequence S000434770 (RDP), AY039253 (Genbank). N4Lid 10.1601/nm.9270
- Microtetraspora flexuosa*^{VP} (Meyer 1989) Kroppenstedt et al. 1991. <== *Actinomadura flexuosa* (basonym). *Nonomuraea flexuosa* (new combination). Synonym links through N4Lid: 10.1601/ex.7590. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35864. High-quality 16S rRNA sequence S000434770 (RDP), AY039253 (Genbank). N4Lid DOI: 10.1601/nm.7477
- Nonomuraea flexuosa*^{VP} corrig. (Meyer 1989) Zhang et al. 1998. <== *Actinomadura flexuosa* (basonym). *Thermopolyspora flexuosa* (new combination). Synonym links through N4Lid: 10.1601/ex.7590. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35864. High-quality 16S rRNA sequence S000434770 (RDP), AY039253 (Genbank). N4Lid DOI: 10.1601/nm.7500
- † *Actinomadura flexuosa*^{VP} (ex Krasil'nikov and Agre 1964) Meyer 1989. ==> *Microtetraspora flexuosa* (new combination). Synonym links through N4Lid: 10.1601/ex.7590. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 35864. High-quality 16S rRNA sequence S000434770 (RDP), AY039253 (Genbank). N4Lid DOI: 10.1601/nm.7590
- Suborder *Frankineae*^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.7633
- Family *Frankiaceae*^{AL} Becking 1970. N4Lid DOI: 10.1601/nm.7634

Genus *Frankia*^{AL} Brunchorst 1886. GOLD ID: Gc00345. GCAT ID: 000265_GCAT. Entrez genome id: 13963. Sequenced strain: CcI3 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 3 (GOLD) 3 (NCBI). N4Lid DOI: 10.1601/nm.7635

Frankia alni^{AL} (Woronin 1866) Von Tubeuf 1895. Source of type material recommended for DOE sponsored genome sequencing by the JGI: No viable deposit available. GOLD ID: Gc00412. GCAT ID: 000198_GCAT. Entrez genome id: 17403. Sequenced strain: ACN14a is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.7636

Family *Geodermatophilaceae*^{VP} Normand 2006. N4Lid DOI: 10.1601/nm.7637

Genus *Geodermatophilus*^{AL} Luedemann 1968. N4Lid DOI: 10.1601/nm.7638

Geodermatophilus obscurus^{AL} Luedemann 1968. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25078. High-quality 16S rRNA sequence S000007769 (RDP), X92356 (Genbank). N4Lid DOI: 10.1601/nm.7639

Genus *Blastococcus*^{AL} Ahrens and Moll 1970. N4Lid DOI: 10.1601/nm.7640

Blastococcus aggregatus^{AL} Ahrens and Moll 1970. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25902. High-quality 16S rRNA sequence S000435941 (RDP), L40614 (Genbank). N4Lid DOI: 10.1601/nm.7641

Blastococcus saxosidens^{VP} Urzi et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24246. High-quality 16S rRNA sequence S000264511 (RDP), AJ316571 (Genbank). N4Lid DOI: 10.1601/nm.8975

Genus *Modestobacter*^{VP} Mevs et al. 2000. N4Lid DOI: 10.1601/nm.7642

Modestobacter multiseptatus^{VP} Mevs et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44406. High-quality 16S rRNA sequence S000014988 (RDP), Y18646 (Genbank). N4Lid DOI: 10.1601/nm.7643

Family *Microsphaeraceae*^{VP} Rainey et al 1997. Illegitimate name. DOI: 10.1601/nm.7644

Family *Nakamurellaceae*^{VP} Tao et al 2004. N4Lid 10.1601/nm.8933

Genus *Nakamurella*^{VP} Tao et al. 2004. N4Lid 10.1601/nm.8726

Nakamurella multipartita^{VP} (Yoshimi et al. 1996) Tao et al. 2004. <== *Microsphaera multipartita* (basonym). Synonym links through N4Lid: 10.1601/ex.7646. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700099. High-quality 16S rRNA sequence S000000247 (RDP), Y08541 (Genbank). N4Lid 10.1601/nm.8727

† *Microsphaera multipartita*^{VP} Yoshimi et al. 1996. ==> *Nakamurella multipartita* (new combination). Synonym links through N4Lid: 10.1601/ex.7646. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700099. High-quality 16S rRNA sequence S000000247 (RDP), Y08541 (Genbank). N4Lid DOI: 10.1601/nm.7646

Genus † *Microsphaera*^{VP} Yoshimi et al. 1996. Illegitimate name. DOI: 10.1601/nm.7645

Genus *Quadrisphaera*^{VP} Maszenan et al. 2005. N4Lid 10.1601/nm.9569

Quadrisphaera granulorum^{VP} Maszenan et al. 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-1104. High-quality 16S rRNA sequence S000596320 (RDP), AY831385 (Genbank). N4Lid 10.1601/nm.9568

Family *Sporichthyaceae*^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.7647

Genus *Sporichthya*^{AL} Lechevalier et al. 1968. N4Lid DOI: 10.1601/nm.7648

Sporichthya polymorpha^{AL} Lechevalier et al. 1968. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 23823. High-quality 16S rRNA sequence S000022213 (RDP), AB025317 (Genbank). N4Lid DOI: 10.1601/nm.7649

Sporichthya brevicatena^{VP} Tamura et al. 1999. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 16195. High-quality 16S rRNA sequence S000381778 (RDP), AB006164 (Genbank). N4Lid DOI: 10.1601/nm.7650

Family *Acidothermaceae*^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.7651

Genus *Acidothermus*^{VP} Mohagheghi et al. 1986. N4Lid DOI: 10.1601/nm.7652

Acidothermus cellulolyticus^{VP} Mohagheghi et al. 1986. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43068. High-quality 16S rRNA sequence

S000001482 (RDP), X70635 (Genbank). GOLD ID: Gc00460. GCAT ID: 000149_GCAT. Entrez genome id: 16097. Sequenced strain: ATCC 43068 is type material. Genome sequencing is completed. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.7653

Family "Kineosporiaceae" N4Lid DOI: 10.1601/nm.7654

Genus *Kineosporia*^{AL} Pagani and Parenti 1978. N4Lid DOI: 10.1601/nm.7655

Kineosporia aurantiaca^{AL} Pagani and Parenti 1978. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29727. High-quality 16S rRNA sequence S000007764 (RDP), X87110 (Genbank). N4Lid DOI: 10.1601/nm.7656

Kineosporia mikuniensis^{VP} Kudo et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44390. N4Lid DOI: 10.1601/nm.7657

Kineosporia rhamnosa^{VP} Kudo et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44387. High-quality 16S rRNA sequence S000381721 (RDP), AB003935 (Genbank). N4Lid DOI: 10.1601/nm.7658

Kineosporia rhizophila^{VP} Kudo et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44389. High-quality 16S rRNA sequence S000381719 (RDP), AB003933 (Genbank). N4Lid DOI: 10.1601/nm.7659

Kineosporia succinea^{VP} Kudo et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 44388. High-quality 16S rRNA sequence S000381718 (RDP), AB003932 (Genbank). N4Lid DOI: 10.1601/nm.7660

Genus *Cryptosporangium*^{VP} Tamura et al. 1998. N4Lid DOI: 10.1601/nm.7661

Cryptosporangium arvum^{VP} Tamura et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 15965. High-quality 16S rRNA sequence S000004732 (RDP), D85465 (Genbank). N4Lid DOI: 10.1601/nm.7662

Cryptosporangium aurantiacum^{VP} (ex Ruan et al. 1976) Tamura and Hatano 2001. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16698. High-quality 16S rRNA sequence S000383428 (RDP), AB047490 (Genbank). N4Lid DOI: 10.1601/nm.7663

Cryptosporangium japonicum^{VP} Tamura et al. 1998. Source of type material recommended for DOE sponsored genome sequencing by the JGI: IFO 15966. High-quality 16S rRNA sequence S000000799 (RDP), D85466 (Genbank). N4Lid DOI: 10.1601/nm.7664

Cryptosporangium minutisporangium^{VP} (Ruan et al. 1986) Tamura and Hatano 2001. **<==** *Actinoplanes minutisporangius* (basonym). Synonym links through N4Lid: 10.1601/ex.6560. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49415. High-quality 16S rRNA sequence S000383157 (RDP), AB037007 (Genbank). N4Lid DOI: 10.1601/nm.7665

† *Actinoplanes minutisporangius*^{VP} Ruan et al. 1986. **==>** *Cryptosporangium minutisporangium* (new combination). Synonym links through N4Lid: 10.1601/ex.6560. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49415. High-quality 16S rRNA sequence S000383157 (RDP), AB037007 (Genbank). N4Lid DOI: 10.1601/nm.6560

Genus *Kineococcus*^{VP} Yokota et al. 1993. N4Lid DOI: 10.1601/nm.7666

Kineococcus aurantiacus^{VP} Yokota et al. 1993. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51238. High-quality 16S rRNA sequence S000413588 (RDP), D17527 (Genbank). N4Lid DOI: 10.1601/nm.7667

Kineococcus marinus^{VP} Lee 2006. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-24439. High-quality 16S rRNA sequence S000634740 (RDP), DQ200982 (Genbank). N4Lid DOI: 10.1601/nm.10089

Kineococcus radiotolerans^{VP} Phillips et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-149. High-quality 16S rRNA sequence S000390051 (RDP), AF247813 (Genbank). GOLD ID: Gi00303. GCAT ID: 001145_GCAT. Entrez genome id: 10689. Sequenced strain: SRS30216 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.7668

Suborder *Glycomycineae*^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.7669

Family Glycomycetaceae ^{VP} Rainey et al 1997. N4Lid DOI: 10.1601/nm.7670

Genus Glycomyces ^{VP} Labeda et al. 1985. N4Lid DOI: 10.1601/nm.7671

Glycomyces harbinensis ^{VP} Labeda et al. 1985. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43155. High-quality 16S rRNA sequence S000435862 (RDP), D85483 (Genbank). N4Lid DOI: 10.1601/nm.7672

Glycomyces algeriensis ^{VP} Labeda and Kroppenstedt 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16327. High-quality 16S rRNA sequence S000485493 (RDP), AY462044 (Genbank). N4Lid DOI: 10.1601/nm.8594

Glycomyces arizonensis ^{VP} Labeda and Kroppenstedt 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16153. High-quality 16S rRNA sequence S000485491 (RDP), AY462042 (Genbank). N4Lid DOI: 10.1601/nm.8595

Glycomyces lechevalierae ^{VP} Labeda and Kroppenstedt 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16149. High-quality 16S rRNA sequence S000485490 (RDP), AY462041 (Genbank). N4Lid DOI: 10.1601/nm.8596

Glycomyces rutgersensis ^{VP} Labeda et al. 1985. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 43156. High-quality 16S rRNA sequence S000435863 (RDP), D85484 (Genbank). N4Lid DOI: 10.1601/nm.7673

Glycomyces tenuis ^{VP} Evtushenko et al. 1991. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49849. High-quality 16S rRNA sequence S000435861 (RDP), D85482 (Genbank). N4Lid DOI: 10.1601/nm.7674

Genus Stackebrandtia ^{VP} Labeda and Kroppenstedt 2005. N4Lid 10.1601/nm.9506

Stackebrandtia nassauensis ^{VP} Labeda and Kroppenstedt 2005. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NRRL B-16338. High-quality 16S rRNA sequence S000548710 (RDP), AY650268 (Genbank). N4Lid 10.1601/nm.9505

Order Bifidobacteriales ^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.7675

Family Bifidobacteriaceae ^{VP} Stackebrandt et al 1997. N4Lid DOI: 10.1601/nm.7676

Genus Bifidobacterium ^{AL} Orla-Jensen 1924. N4Lid DOI: 10.1601/nm.7677

Bifidobacterium bifidum ^{AL} (Tissier 1900) Orla-Jensen 1924. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 29521. High-quality 16S rRNA sequence S000436278 (RDP), M38018 (Genbank). N4Lid DOI: 10.1601/nm.7678

Bifidobacterium adolescentis ^{AL} Reuter 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15703. High-quality 16S rRNA sequence S000436340 (RDP), M58729 (Genbank). GOLD ID: Gc00470. GCAT ID: 000139_GCAT. Entrez genome id: 16321. Sequenced strain: ATCC 15703 is type material. Genome sequencing is completed. Number of genomes of this species sequenced 2 (GOLD) 2 (NCBI). N4Lid DOI: 10.1601/nm.7679

Bifidobacterium angulatum ^{AL} Scardovi and Crociani 1974. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27535. High-quality 16S rRNA sequence S000414115 (RDP), D86182 (Genbank). N4Lid DOI: 10.1601/nm.7680

Bifidobacterium animalis subsp. animalis ^{VP} (Mitsuoka 1969) Scardovi and Trovatelli 1974. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25527. High-quality 16S rRNA sequence S000006180 (RDP), X70971 (Genbank). N4Lid DOI: 10.1601/nm.7681

Bifidobacterium animalis subsp. lactis ^{VP} (Meile et al. 1997) Masco et al. 2004. <== *Bifidobacterium lactis* (basonym). Synonym links through N4Lid: 10.1601/ex.7697. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 10140. High-quality 16S rRNA sequence S000012326 (RDP), X89513 (Genbank). GOLD ID: Gi01876. GCAT ID: 000775_GCAT. Sequenced strain: Bb-12 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.8511

† *Bifidobacterium lactis* ^{VP} Meile et al. 1997. ==> *Bifidobacterium animalis subsp. lactis* (new combination). Synonym links through N4Lid: 10.1601/ex.7697. Source of type material recommended for DOE sponsored genome sequencing by the JGI: DSM 10140. High-quality 16S rRNA sequence S000012326 (RDP), X89513 (Genbank). GOLD ID: Gi01876. GCAT ID: 000775_GCAT. Sequenced strain: Bb-12 is from a non-type strain. Genome sequencing is

incomplete. Number of genomes of this species sequenced 1 (GOLD) 0 (NCBI). N4Lid DOI: 10.1601/nm.7697

Bifidobacterium asteroides^{AL} Scardovi and Trovatelli 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25910. High-quality 16S rRNA sequence S000436341 (RDP), M58730 (Genbank). N4Lid DOI: 10.1601/nm.7682

Bifidobacterium boum^{AL} Scardovi et al. 1979. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27917. High-quality 16S rRNA sequence S000414123 (RDP), D86190 (Genbank). N4Lid DOI: 10.1601/nm.7683

Bifidobacterium breve^{AL} Reuter 1963. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15700. High-quality 16S rRNA sequence S000436342 (RDP), M58731 (Genbank). GOLD ID: Gi00078. GCAT ID: 000774_GCAT. Sequenced strain: UCC 2003 (NCIMB 8807) is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.7684

Bifidobacterium catenulatum^{AL} Scardovi and Crociani 1974. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27539. High-quality 16S rRNA sequence S000436343 (RDP), M58732 (Genbank). N4Lid DOI: 10.1601/nm.7685

Bifidobacterium choerinum^{AL} Scardovi et al. 1979. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27686. High-quality 16S rRNA sequence S000414119 (RDP), D86186 (Genbank). N4Lid DOI: 10.1601/nm.7686

Bifidobacterium coryneforme^{VP} (ex Scardovi and Trovatelli 1969) Biavati et al. 1982. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25911. High-quality 16S rRNA sequence S000436344 (RDP), M58733 (Genbank). N4Lid DOI: 10.1601/nm.7687

Bifidobacterium cuniculi^{AL} Scardovi et al. 1979. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27916. High-quality 16S rRNA sequence S000436345 (RDP), M58734 (Genbank). N4Lid DOI: 10.1601/nm.7688

Bifidobacterium dentium^{AL} Scardovi and Crociani 1974. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27534. High-quality 16S rRNA sequence S000414116 (RDP), D86183 (Genbank). GOLD ID: Gi01668. GCAT ID: 000778_GCAT. Entrez genome id: 17583. Sequenced strain: Bd1 is from a non-type strain. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 1 (NCBI). N4Lid DOI: 10.1601/nm.7690

Bifidobacterium gallicum^{VP} Lauer 1990. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49850. High-quality 16S rRNA sequence S000414122 (RDP), D86189 (Genbank). N4Lid DOI: 10.1601/nm.7691

Bifidobacterium gallinarum^{VP} Watabe et al. 1983. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 33777. High-quality 16S rRNA sequence S000414124 (RDP), D86191 (Genbank). N4Lid DOI: 10.1601/nm.7692

Bifidobacterium indicum^{AL} Scardovi and Trovatelli 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25912. High-quality 16S rRNA sequence S000436348 (RDP), M58737 (Genbank). N4Lid DOI: 10.1601/nm.7694

Bifidobacterium longum^{AL} Reuter 1963. ≈ *Bifidobacterium infantis* (later heterotypic synonym), links through 10.1601/nm.7698. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15707. High-quality 16S rRNA sequence S000436350 (RDP), M58739 (Genbank). GOLD ID: Gc00108. GCAT ID: 000502_GCAT. Entrez genome id: 328. Sequenced strain: NCC 2705 is from a non-type strain. Genome sequencing is completed. Number of genomes of this species sequenced 3 (GOLD) 4 (NCBI). N4Lid DOI: 10.1601/nm.7698

† *Bifidobacterium infantis*^{AL} Reuter 1963. ≈ *Bifidobacterium longum* (earlier heterotypic synonym), links through 10.1601/nm.7698. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 15697. N4Lid DOI: 10.1601/nm.7695

† *Bifidobacterium suis*^{AL} Matteuzzi et al. 1971. ≈ *Bifidobacterium longum* (earlier heterotypic synonym), links through 10.1601/nm.7698. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27533. N4Lid DOI: 10.1601/nm.7711

Bifidobacterium magnum^{AL} Scardovi and Zani 1974. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27540. High-quality 16S rRNA sequence S000436351 (RDP), M58740 (Genbank). N4Lid DOI: 10.1601/nm.7699

Bifidobacterium merycicum^{VP} Biavati and Mattarelli 1991. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49391. High-quality 16S rRNA sequence S000414125 (RDP), D86192 (Genbank). N4Lid DOI: 10.1601/nm.7700

Bifidobacterium minimum^{VP} Biavati et al. 1982. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27538. High-quality 16S rRNA sequence S000436352 (RDP), M58741 (Genbank). N4Lid DOI: 10.1601/nm.7701

Bifidobacterium pseudocatenulatum^{AL} Scardovi et al. 1979. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27919. High-quality 16S rRNA sequence S000414120 (RDP), D86187 (Genbank). N4Lid DOI: 10.1601/nm.7702

Bifidobacterium pseudolongum subsp. pseudolongum^{VP} Mitsuoka 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25526. High-quality 16S rRNA sequence S000436353 (RDP), M58742 (Genbank). N4Lid DOI: 10.1601/nm.7703

Bifidobacterium pseudolongum subsp. globosum^{VP} (Biavati et al. 1982) Yaeshima et al. 1992. <== *Bifidobacterium globosum* (basonym). Synonym links through N4Lid: 10.1601/ex.7693. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25865. High-quality 16S rRNA sequence S000436347 (RDP), M58736 (Genbank). N4Lid DOI: 10.1601/nm.7704

† *Bifidobacterium globosum*^{VP} (ex Scardovi et al. 1969) Biavati et al. 1982. ==>
Bifidobacterium pseudolongum subsp. globosum (new combination). Synonym links through N4Lid: 10.1601/ex.7693. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25865. High-quality 16S rRNA sequence S000436347 (RDP), M58736 (Genbank). N4Lid DOI: 10.1601/nm.7693

Bifidobacterium psychraerophilum^{VP} Simpson et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NCIMB 13940. High-quality 16S rRNA sequence S000399884 (RDP), AY174108 (Genbank). N4Lid DOI: 10.1601/nm.7705

Bifidobacterium pullorum^{AL} Trovatelli et al. 1974. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27685. High-quality 16S rRNA sequence S000414129 (RDP), D86196 (Genbank). N4Lid DOI: 10.1601/nm.7706

Bifidobacterium ruminantium^{VP} Biavati and Mattarelli 1991. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49390. High-quality 16S rRNA sequence S000414130 (RDP), D86197 (Genbank). N4Lid DOI: 10.1601/nm.7707

Bifidobacterium saeculare^{VP} Biavati et al. 1992. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49392. High-quality 16S rRNA sequence S000414226 (RDP), D89328 (Genbank). N4Lid DOI: 10.1601/nm.7708

Bifidobacterium scardovii^{VP} Hoyles et al. 2002. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC BAA-773. High-quality 16S rRNA sequence S000086360 (RDP), AJ307005 (Genbank). N4Lid DOI: 10.1601/nm.7709

Bifidobacterium subtile^{VP} Biavati et al. 1982. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 27537. High-quality 16S rRNA sequence S000414231 (RDP), D89378 (Genbank). N4Lid DOI: 10.1601/nm.7710

Bifidobacterium thermacidophilum subsp. thermacidophilum^{VP} Dong et al. 2000. Source of type material recommended for DOE sponsored genome sequencing by the JGI: JCM 11165. N4Lid DOI: 10.1601/nm.7712

Bifidobacterium thermacidophilum subsp. porcinum^{VP} Zhu et al. 2003. Source of type material recommended for DOE sponsored genome sequencing by the JGI: AS 1.3009. High-quality 16S rRNA sequence S000397967 (RDP), AY148470 (Genbank). N4Lid DOI: 10.1601/nm.7713

Bifidobacterium thermophilum^{AL} corrig. Mitsuoka 1969. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 25525. High-quality 16S rRNA sequence S000437084 (RDP), U10151 (Genbank). N4Lid DOI: 10.1601/nm.7714

Genus *Aeriscardovia*^{VP} Simpson et al. 2004. N4Lid DOI: 10.1601/nm.7715

Aeriscardovia aeriphila^{VP} Simpson et al. 2004. Source of type material recommended for DOE sponsored genome sequencing by the JGI: NCIMB 13939. N4Lid DOI: 10.1601/nm.7716

Genus *Gardnerella*^{VP} Greenwood and Pickett 1980. N4Lid DOI: 10.1601/nm.7720

Gardnerella vaginalis^{VP} (Gardner and Dukes 1955) Greenwood and Pickett 1980. <==
Haemophilus vaginalis (basonym). Synonym links through N4Lid: 10.1601/ex.3439. Source of

type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14018. High-quality 16S rRNA sequence S000436355 (RDP), M58744 (Genbank). GOLD ID: Gi01273. GCAT ID: 001097_GCAT. Sequenced strain: ATCC 14018 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD). N4Lid DOI: 10.1601/nm.7721

† *Haemophilus vaginalis*^{AL} Gardner and Dukes 1955. ==> *Gardnerella vaginalis* (new combination). Synonym links through N4Lid: 10.1601/ex.3439. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 14018. High-quality 16S rRNA sequence S000436355 (RDP), M58744 (Genbank). GOLD ID: Gi01273. GCAT ID: 001097_GCAT. Sequenced strain: ATCC 14018 is type material. Genome sequencing is incomplete. Number of genomes of this species sequenced 1 (GOLD) 0 (NCBI). N4Lid DOI: 10.1601/nm.3439

Genus *Parascardovia*^{VP} Jian and Dong 2002. N4Lid DOI: 10.1601/nm.7722

Parascardovia denticolens^{VP} (Crociani et al. 1996) Jian and Dong 2002. <== *Bifidobacterium denticolens* (basonym). Synonym links through N4Lid: 10.1601/ex.7689. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700216. High-quality 16S rRNA sequence S000414229 (RDP), D89331 (Genbank). N4Lid DOI: 10.1601/nm.7723

† *Bifidobacterium denticolens*^{VP} Crociani et al. 1996. ==> *Parascardovia denticolens* (new combination). Synonym links through N4Lid: 10.1601/ex.7689. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700216. High-quality 16S rRNA sequence S000414229 (RDP), D89331 (Genbank). N4Lid DOI: 10.1601/nm.7689

Genus *Scardovia*^{VP} Jian and Dong 2002. N4Lid DOI: 10.1601/nm.7724

Scardovia inopinata^{VP} (Crociani et al. 1996) Jian and Dong 2002. <== *Bifidobacterium inopinatum* (basonym). Synonym links through N4Lid: 10.1601/ex.7696. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700214. High-quality 16S rRNA sequence S000382847 (RDP), AB029087 (Genbank). N4Lid DOI: 10.1601/nm.7725

Family *Incertae sedis 10*^{NVP} N4Lid DOI: 10.1601/nm.7726

† *Bifidobacterium inopinatum*^{VP} Crociani et al. 1996. ==> *Scardovia inopinata* (new combination). Synonym links through N4Lid: 10.1601/ex.7696. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 700214. High-quality 16S rRNA sequence S000382847 (RDP), AB029087 (Genbank). N4Lid DOI: 10.1601/nm.7696

Genus † *Pelczaria*^{VP} Poston 1994. (Rejected name) N4Lid DOI: 10.1601/nm.7740

† *Pelczaria aurantia*^{VP} Poston 1994. (Rejected name) Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 49321. N4Lid DOI: 10.1601/nm.7741

Genus *Turicella*^{VP} Funke et al. 1994. N4Lid DOI: 10.1601/nm.7742

Turicella otitidis^{VP} Funke et al. 1994. Source of type material recommended for DOE sponsored genome sequencing by the JGI: ATCC 51513. High-quality 16S rRNA sequence S000381264 (RDP), X73976 (Genbank). N4Lid DOI: 10.1601/nm.7743