



**LIST OF PROKARYOTIC NAMES
VALIDLY PUBLISHED**

in November 2016

compiled by

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Notes

This compilation of validly published names of Prokaryotes is produced to the best of our knowledge. Nevertheless we do not accept any responsibility for errors, inaccuracies or omissions.

Names of prokaryotes are defined as being validly published by the *International Code of Nomenclature of Bacteria*^{a,b}. Validly published are all names which are included in the *Approved Lists of Bacterial Names*^{c,d,e,f} and the names subsequently published in the *International Journal of Systematic Bacteriology* (IJSB) and, from January 2000, in the *International Journal of Systematic and Evolutionary Microbiology* (IJSEM) in the form of original articles or in the *Validation Lists*.

Names not considered to be validly published, should no longer be used, or used in quotation marks, i.e. "*Streptococcus equisimilis*" to denote that the name has no standing in nomenclature. Please note that such names cannot be retrieved in this list.

Explanations, Examples

| | | |
|--------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Numerical reference followed by (AL) | <i>Streptomyces setonii</i> 30:401 (AL) | Included in The <i>Approved Lists of Bacterial Names</i> . [Volume:page (AL)] |
| Numerical reference with asterisk | <i>Acidiphilium cryptum</i> 31:331* | original publication in the IJSB or IJSEM [Volume:page of description*] |
| Numerical reference without asterisk | <i>Acetomicrobium faecale</i> 38:136 | <i>Validation List</i> in the IJSB or IJSEM [Volume:page] |
| ≡ | <i>Acetobacter methanolicus</i> (basonym) ≡ <i>Acidomonas methanolica</i> | homotypic (formerly: objective) synonym; the original name is indicated as a basonym ^{a,g} |
| = | <i>Brevibacterium albidum</i> (as synonym) = <i>Curtobacterium albidum</i> | heterotypic (formerly: subjective) synonym; the name published first (<i>Curtobacterium albidum</i>) has priority over <i>Brevibacterium albidum</i> ^{a,g} |
| corrig. | <i>Streptococcus sanguis</i> [sic], see: <i>Streptococcus sanguinis</i> (corrig.) | orthographic correction |

^a International Code of Nomenclature of Bacteria (1990 revision). Lapage, S. P. et al. (eds.), American Society for Microbiology, Washington, D.C. 1992

^b De Vos, P. and Trüper, H.G. (2000). Judicial Commission of the International Committee on Systematic Bacteriology. IXth International (IUMS) Congress of Bacteriology and Applied Microbiology. Minutes of the meetings, 14, 15 and 18 August 1999, Sydney, Australia. *Int. J. Syst. Evol. Microbiol.* 50: 2239-2244.

^c Skerman, V.B.D., McGowan, V., Sneath, P.H.A. (1980). *Approved Lists of Bacterial Names*. *Int. J. Syst. Bacteriol.* **30**, 225-420.

^d Hill, L.R., Skerman, V.B.D., Sneath, P.H.A. (1984). Corrigenda to the *Approved Lists of Bacterial Names* edited for the International Committee on Systematic Bacteriology. *Int. J. Syst. Bacteriol.* **34**, 508-511.

^e Skerman, V.B.D., McGowan, V., Sneath, P.H.A. *Approved Lists of Bacterial Names*. Amended edition. American Society for Microbiology, Washington, 1989.

^f Euzéby, J.P. (1997). Corrigenda to the *Approved Lists of Bacterial Names* and to the amended edition of the *Approved Lists of Bacterial Names*. *Int. J. Syst. Bacteriol.*, 1997, **47**, 1271-1272.

^g Tindall, B.J. (1999). Taxonomic note. Misunderstanding the Bacteriological Code. *Int.J.Syst.Bacteriol.*, **49**: 1313-1316.

- Abyssicoccus** 66:4299
Abyssicoccus albus 66:4299
- Acetobacter suratthaniensis* corrig. 66:4299
- Acidipropionibacterium** 66:4429*
Acidipropionibacterium acidipropionici 66:4430*
Acidipropionibacterium damnosum 66:4431*
Acidipropionibacterium jensenii 66:4430*
Acidipropionibacterium microaerophilum 66:4431*
Acidipropionibacterium olivae 66:4431*
Acidipropionibacterium thoenii 66:4430*
- Actinocrispum** 66:4782*
Actinocrispum wychmicini 66:4782*
- Actinoplanes bogorensis* corrig. 66:4299
Actinoplanes subglobosus 66:4854*
- Acutalibacter** 66:4299
Acutalibacter muris 66:4299
- Agrobacterium nepotum* 66:4299
Agrobacterium pusense 66:4299
Agrobacterium skierniewicense 66:4299
- Akkermansia glycaniphila* 66:4619*
- Algibacter alginicyticus* corrig. 66:4299
- Alkalilactibacillus** 66:4299
Alkalilactibacillus ikkensis 66:4300
- Allofrancisella** 66:4836*
Allofrancisella frigidaquae 66:4837*
Allofrancisella guangzhouensis 66:4838*
Allofrancisella inopinata 66:4837*
- Allorhizobium borbori* 66:4300
Allorhizobium oryzae 66:4300
Allorhizobium pseudoryzae 66:4300
Allorhizobium vitis 66:4300
- Altererythrobacter aerius* 66:4547*
- Altererythrobacter aurantiacus* 66:4300
- Alteribacillus alkaliphilus* 66:4776*
Alteribacillus iranensis 66:4777*
- Amycolobicoccus subflavus* 60:642* (basonym) ≡
Hoyosella subflava
- Anaerobacter** 46:625 see:
Anaerobacter polyendosporus 46:625 (basonym) ≡
Clostridium polyendosporum
- Anaerosalibacter massiliensis* 66:4300
- Arsukibacterium** 66:4300
Arsukibacterium ikkaensis 66:4300
- Arvibacter** 66:4352*
Arvibacter flaviflagrans 66:4353*
- Asciidimonas** 66:4300
Asciidimonas aurantiaca 66:4300
- Bacillus iranensis* 62:814* (basonym) ≡ *Alteribacillus iranensis*
Bacillus wiedmannii 66:4752*
- Bacteroides caecimuris* 66:4300
- Balneicella** 66:4695*
Balneicella halophila 66:4696*
- Blastobacter capsulatus* 36:354 (basonym) ≡
Pararhizobium capsulatum
- Blastococcus capsensis* 66:4870*
- Blautia caecimuris* 66:4300
- Borrelia mayonii* 66:4880*
- Bowmanella dokdonensis* 66:4300
- Brachybacterium aquaticum* 66:4709*

- Brachyspira suanatina* 66:4300
- Brevibacterium massiliense* 59:1963* (as synonym) =
Brevibacterium ravensturgense
- Breznakia** 66:4300
Breznakia blatticola 66:4300
Breznakia pachnodae 66:4300
- Campylobacter hepaticus* 66:4523*
- Chelatococcus reniformis* 66:4529*
- Clostridium caminithermale* 53:1047* (basonym) ≡
Paramaledivibacter caminithermalis
Clostridium halophilum 41:580 (basonym) ≡
Maledivibacter halophilus
Clostridium polyendosporum 66:4300
- Croceicoccus mobilis* 66:4510*
Croceicoccus pelagius 66:4510*
- Cuneatibacter** 66:4300
Cuneatibacter caecimuris 66:4300
- Cupriavidus yeoncheonensis* corrig. 65:3764
- Cutibacterium** 66:4430*
Cutibacterium acnes 66:4430*
Cutibacterium avidum 66:4430*
Cutibacterium granulosum 66:4430*
- Deinococcus radioresistens* 66:4300
Deinococcus seoulensis 66:4300
- Desulfotomaculum aquiferis* 66:4336*
Desulfotomaculum profundum 66:4336*
- Dongia soli* 66:4300
- Dyella humi* 66:4376*
- Elizabethkingia endophytica* 65:2192* (as synonym) =
Elizabethkingia anophelis
- Endozoicomonas ascidiicola* 66:4300
- Enterobacter hormaechei* subsp. *hormaechei* 66:4300
Enterobacter hormaechei subsp. *oharae* 66:4300
Enterobacter hormaechei subsp. *steigerwaltii* 66:4301
- Enterorhabdus muris* 66:4301
- Falcatimonas** 66:4642*
Falcatimonas natans 66:4643*
- Flaviumibacter sediminis* 66:4314*
Flaviumibacter stibioxidans 66:4679*
- Flavirhabdus** 65:1351* see: *Lacinutrix*
Flavirhabdus iliipiscaria 65:1352* (basonym) ≡
Lacinutrix iliipiscaria
- Flintibacter** 66:4301
Flintibacter butyricus corrig. 66:4301
- Francisella guangzhouensis* 63:3634* (basonym) ≡
Allofrancisella guangzhouensis
- Frasingicoccus** 66:4301
Frasingicoccus caecimuris 66:4301
- Halomarina salina* 66:4301
- Halomonas lutescens* 66:4702*
- Halopiger djelfimassiliensis* corrig. 66:4301
Halopiger goleimassiliensis corrig. 66:4301
- Haoranjiana** 66:4689*
Haoranjiana flava 66:4690*
- Helicobacter canicola* 66:4301
- Herbivorax** 66:4461*
Herbivorax saccincola 66:4462*
- Hoyosella rhizosphaerae* 66:4721*
Hoyosella subflava 66:4714*

- Hymenobacter humi* 66:4301
Hymenobacter nivis 66:4825*
Hymenobacter rubidus 66:4301
Hymenobacter sedentarius 66:4301
Hymenobacter swuensis 66:4301
- Irregularibacter*** 66:4301
Irregularibacter muris 66:4301
- Lacinutrix cladophorae* 66:4344*
Lacinutrix iliipiscaria 66:4345*
- Legionella saoudiensis* 66:4370*
- Litorisediminivivens*** 66:4683*
Litorisediminivivens gilvus 66:4684*
- Longicatena*** 66:4301
Longicatena caecimuris 66:4301
- Lysobacter cavernae* 66:4301
Lysobacter rhizophilus 66:4758*
- Mageebacillus*** 66:4301
Mageebacillus indolicus 66:4301
- Maledivibacter*** 66:4360*
Maledivibacter halophilus 66:4360*
- Maribacter arenosus* 66:4830*
- Marinibaculum*** 66:4848*
Marinibaculum pumilum 66:4848*
- Marinifilum albidiflavum* 66:4592*
- Mesorhizobium sediminum* 66:4801*
- Methanomicrobium antiquum* 66:4876*
- Methylobacillus rhizosphaerae* 66:4301
- Methylobacterium pseudosasae* 66:4301
- Microbacterium aureliae* 66:4668*
Microbacterium diaminobutyricum 66:4499*
Microbacterium faecale 66:4449*
Microbacterium gilvum 66:4301
- Micromonospora profundi* 66:4741*
- Mucilaginibacter fluminis* 66:4573*
Mucilaginibacter puniceus 66:4553*
- Muribaculum*** 66:4301
Muribaculum intestinale 66:4301
- Muricomes*** 66:4302
Muricomes intestini 66:4302
- Mycobacterium abscessus* subsp. *massiliense* 66:4477*
Mycobacterium helvum 66:4484*
Mycobacterium massiliense 56:2025 (basonym) ≡
Mycobacterium abscessus subsp. *massiliense*
Mycobacterium oryzae 66:4535*
Mycobacterium paraterrae 66:4302
Mycobacterium sarraceniae 66:4484*
- Nocardia jiangsuensis* 66:4637*
- Nocardioides massiliensis* 66:4302
Nocardioides pakistanensis 66:4302
- Novosphingobium lotistagni* 66:4733*
- Paenibacillus hispanicus* 66:4631*
Paenibacillus methanolicus 66:4365*
Paenibacillus solani 66:4490*
Paenibacillus yonginensis 66:4302
- Paraburkholderia pallidirosea* 66:4542*
- Paramaledivibacter*** 66:4360*
Paramaledivibacter caminithermalis 66:4360*
- Pararhizobium*** 66:4302

- Pararhizobium capsulatum* 66:4302
Pararhizobium giardinii 66:4302
Pararhizobium herbae 66:4302
- Pasteurella caecimuris* 66:4302
- Pedobacter psychrotolerans* 66:4565*
- Peptoanaerobacter*** 66:4302
Peptoanaerobacter stomatis 66:4302
- Pigmentiphaga soli* 66:4302
- Piscinibacter defluvii* 66:4843*
- Polaribacter marinaquae* 66:4598*
- Polygonibacillus*** 66:4655*
Polygonibacillus indicireducens 66:4655*
- Pontibacter locisalis* 66:4302
Pontibacter rugosus 66:4393*
Pontibacter virosus 66:4399*
- Propionibacterium acidipropionici* corrig. 30:346 (AL) (basonym) ≡ *Acidipropionibacterium acidipropionici*
Propionibacterium acnes 30:346 (AL) (basonym) ≡ *Cutibacterium acnes*
Propionibacterium acnes subsp. *acnes* 65:4786* (as synonym) ≡ *Cutibacterium acnes*
Propionibacterium acnes subsp. *elongatum* 65:4786* (as synonym) = *Cutibacterium acnes*
Propionibacterium avidum 30:346 (AL) (basonym) ≡ *Cutibacterium avidum*
Propionibacterium damnosum 64:2984* (basonym) ≡ *Acidipropionibacterium damnosum*
Propionibacterium freudenreichii 30:346 (AL)
Propionibacterium freudenreichii subsp. *freudenreichii* 30:346 (AL) (as synonym) ≡ *Propionibacterium freudenreichii*
Propionibacterium freudenreichii subsp. *shermanii* 30:347 (AL) (as synonym) = *Propionibacterium freudenreichii*
Propionibacterium granulosum 30:347 (AL) (basonym) ≡ *Cutibacterium granulosum*
Propionibacterium jensenii 30:347 (AL) (basonym) ≡
- Acidipropionibacterium jensenii*
Propionibacterium microaerophilum 51:1380* (basonym) ≡ *Acidipropionibacterium microaerophilum*
Propionibacterium olivae 64:2984* (basonym) ≡ *Acidipropionibacterium olivae*
Propionibacterium propionicum corrig. 38:354* (as synonym) ≡ *Pseudopropionibacterium propionicum*
Propionibacterium thoenii 30:347 (AL) (basonym) ≡ *Acidipropionibacterium thoenii*
- Pseudoalteromonas profundus* 66:4420*
- Pseudoduganella danionis* 66:4688*
- Pseudomonas turukhanskensis* 66:4663*
- Pseudopropionibacterium*** 66:4430*
Pseudopropionibacterium propionicum 66:4431*
- Pullulanibacillus camelliae* 66:4764*
- Rhizobium borbori* 61:820* (basonym) ≡ *Allorhizobium borbori*
Rhizobium favelukesii 66:4456*
Rhizobium giardinii 47:1005* (basonym) ≡ *Pararhizobium giardinii*
Rhizobium herbae 61:1919* (basonym) ≡ *Pararhizobium herbae*
Rhizobium larrymoorei 54:149* (as synonym) ≡ *Agrobacterium larrymoorei*
Rhizobium nepotum 62:2046 (basonym) ≡ *Agrobacterium nepotum*
Rhizobium oryzae 58:2162* (basonym) ≡ *Allorhizobium oryzae*
Rhizobium pseudoryzae 61:2428* (basonym) ≡ *Allorhizobium pseudoryzae*
Rhizobium pusense 61:2638* (basonym) ≡ *Agrobacterium pusense*
Rhizobium radiobacter 51:99* (as synonym) ≡ *Agrobacterium radiobacter*
Rhizobium skierniewicense 62:898* (basonym) ≡ *Agrobacterium skierniewicense*
Rhizobium vitis 51:99* (as synonym) ≡ *Allorhizobium vitis*
- Rickettsia asemonensis* 66:4516*

- Rufibacter ruber* 66:4404*
- Saccharibacillus qingshengii* 66:4649*
- Saccharothrix isguenensis* 66:4789*
- Sarcina maxima* 30:361 (AL)
Sarcina ventriculi 30:361 (AL)
- Scopulibacillus daqui* 66:4727*
- Sediminibacterium aquarii* 66:4505*
- Serpentinicella*** 66:4469*
Serpentinicella alkaliphila 66:4469*
- Silicimonas*** 66:4584*
Silicimonas algicola 66:4586*
- Sphingobacterium jejuense* 66:4438*
- Sphingomonas naphthae* 66:4626*
- Spirosoma pulveris* 66:4302
- Spongiiferula*** 66:4302
Spongiiferula fulva 66:4302
- Spongiimicrobium*** 66:4302
Spongiimicrobium salis 66:4302
- Sporolactobacillus pectinivorans* 66:4327*
- Streptococcus dentisani* 64:65* (basonym) ≡
Streptococcus oralis subsp. *dentisani*
Streptococcus marmotae 66:4321*
Streptococcus oligofermentans 53:1103* (as
synonym) = *Streptococcus cristatus*
Streptococcus oralis subsp. *dentisani* 66:4818*
Streptococcus oralis subsp. *oralis* 66:4818*
Streptococcus oralis subsp. *tigurinus* 66:4818*
Streptococcus tigurinus 62:2944* (basonym) ≡
Streptococcus oralis subsp. *tigurinus*
- Streptomyces bryophytorum* 66:4302
- Streptomyces ovatisporus* 66:4861*
- Thalassospira australica* 66:4302
- Tolumonas lignilytica* corrig. 66:4302
- Tunicatimonas*** 66:4916
Tunicatimonas pelagia 66:4916
- Vibrio europaeus* 66:4795*
Vibrio tubiashii subsp. *europaeus* corrig. 66:1914
(basonym) ≡ *Vibrio europaeus*
- Wenzhouxiangella sediminis* 66:4578*
- Williamsia herbipolensis* 66:4612*
- Wukongibacter*** 66:4358*
Wukongibacter baidiensis 66:4359*
- Xylella taiwanensis* 66:4770*