



**LIST OF PROKARYOTIC NAMES
VALIDLY PUBLISHED**

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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.

- Actinomadura algeriensis* 67:1095
- Actinophytocola xanthii* 67:1156*
- Actinotalea caeni* 67:1599*
- Acuticoccus** 67:1095
Acuticoccus yangtzensis 67:1095
- Aequorivita aestuarii* 67:1095
Aequorivita echinoideorum 67:1095
Aequorivita nionensis 67:1095
Aequorivita soesokkakensis 67:1095
Aequorivita vladivostokensis 67:1095
- Algoriphagus resistens* 67:1279*
- Alkalicoccus** 67:1562*
Alkalicoccus halolimnae 67:1562*
Alkalicoccus saliphilus 67:1562*
- Anaeromicrobium** 67:1465*
Anaeromicrobium sediminis 67:1466*
- Annwoodia** 67:1202*
Annwoodia aquaesulis 67:1203*
- Aquamicrobium soli* 67:1095
- Aquaspirillum soli* 67:1316*
- Arcobacter lekithochrous* 67:1331*
- Auricoccus** 67:1216*
Auricoccus indicus 67:1217*
- Bacillus mesophilus* 67:1095
Bacillus saliphilus 55:162* (basonym) ≡ *Alkalicoccus saliphilus*
Bacillus terrae 67:1481*
Bacillus zeae 67:1245*
- Bernardetia** 67:1095
Bernardetia litoralis 67:1095
- Bifidobacterium aerophilum* 67:1095
Bifidobacterium ramosum 67:1095
- Blastococcus colisei* 67:1095
- Calorithrix** 67:1489*
Calorithrix insularis 67:1489*
- Chloroflexus islandicus* 67:1385*
- Chryseobacterium ginsengiterrae* 67:1096
Chryseobacterium halpertiae 67:1096
Chryseobacterium psychrotolerans 67:1096
Chryseobacterium tenax 67:1096
Chryseobacterium xixisoli 67:1096
- Clostridium oroticum* 30:281 (AL) (basonym) ≡ *Faecalicatena orotica*
- Defluviitalea raffinosedens* 67:1611*
- Dehalogenimonas formicexedens* 67:1372*
- Deinococcus knuensis* 67:1096
Deinococcus puniceus 67:1096
Deinococcus sedimenti 67:1096
- Dubosiella** 67:1253*
Dubosiella newyorkensis 67:1253*
- Dyella lipolytica* 67:1240*
- Eisenibacter** 67:1096
Eisenibacter elegans 67:1096
- Endothiovibrio** 67:1496*
Endothiovibrio diazotrophicus 67:1497*
- Epilithonimonas** 56:177* see: *Chryseobacterium*
Epilithonimonas ginsengisoli 65:127* (basonym) ≡ *Chryseobacterium ginsengiterrae*
Epilithonimonas lactis 60:678* (basonym) ≡ *Chryseobacterium halpertiae*
Epilithonimonas psychrotolerans 65:3780* (basonym)

- ≡ *Chryseobacterium psychrotolerans*
Epilithonimonas tenax 56:177* (basonym) ≡
Chryseobacterium tenax
Epilithonimonas xixisoli 64:4158* (basonym) ≡
Chryseobacterium xixisoli
- Eubacterium contortum* 30:297 (AL) (basonym) ≡
Faecalicatena contorta
Eubacterium fissicatena 30:297 (AL) (basonym) ≡
Faecalicatena fissicatena
- Faecalicatena*** 67:1225*
Faecalicatena contorta 67:1226*
Faecalicatena fissicatena 67:1226*
Faecalicatena orotica 67:1226*
- Faecalimonas*** 67:1225*
Faecalimonas umbilicata 67:1225*
- Flectobacillus pallidus* 67:1131*
- Flexibacter elegans* 39:495 (basonym) ≡ *Eisenibacter elegans*
Flexibacter litoralis 30:301 (AL) (basonym) ≡
Bernardetia litoralis
Flexibacter polymorphus 30:301 (AL) (basonym) ≡
Garritya polymorpha
Flexibacter roseolus 30:301 (AL) (basonym) ≡
Hughenoltzia roseola
Flexibacter ruber 30:301 (AL) (basonym) ≡
Thermoflexibacter ruber
- Fournierella*** 67:1397*
Fournierella massiliensis 67:1398*
- Frankia coriariae* 67:1269*
Frankia inefficax 67:1096
- Garritya*** 67:1096
Garritya polymorpha 67:1096
- Glutamicibacter halophytocola* 67:1124*
- Gracilibacillus massiliensis* 67:1096
- Haloactinomyces*** 67:1166*
Haloactinomyces albus 67:1167*
Halomonas alkalicola 67:1549*
Halorubrum trueperi 67:1569*
Haloterrigena mahii 67:1337*
Hughenoltzia 67:1096
Hughenoltzia roseola 67:1096
Humibacter aquilariae 67:1472*
Hydrogenophaga laconesensis 67:1096
Hydrogenovibrio crunogenus 67:1149*
Hydrogenovibrio halophilus 67:1149*
Hydrogenovibrio kuenenii 67:1149*
Hydrogenovibrio thermophilus 67:1149*
Hymenobacter aquaticus 67:1210*
Hymenobacter terrae 67:1096
Hyphobacterium 67:1173*
Hyphobacterium vulgare 67:1174*
Ileibacterium 67:1251*
Ileibacterium valens 67:1252*
Jeotgalibaca arthritidis 67:1476*
Jeotgalibaca porci 67:1476*
Kordiimonas sediminis 67:1096
Luteitalea 67:1411*
Luteitalea pratensis 67:1413*
Lysobacter solanacearum 67:1105*
Mangrovibacter phragmitis 67:1232*
Mariniblastus 67:1573*
Mariniblastus fucicola 67:1576* (as synonym) =

- Microbulbifer aestuariivivens* 67:1440*
- Mucilaginibacter galii* 67:1325*
- Mycobacterium virginense* 67:1096
- Neisseria arctica* 67:1118*
- Nioella sediminis* 67:1274*
- Niveitalea** 67:1378*
- Niveitalea solisilvae* 67:1379*
- Nocardia arizonensis* 67:1096
- Nocardia xestospongiae* 67:1455*
- Nocardioides gilvus* 67:1096
- Nocardioides phosphati* 67:1527*
- Nonlabens aestuariivivens* 67:1539*
- Nonomuraea ceibae* 67:1161*
- Paenibacillus lacus* 67:1587*
- Parahaliea aestuarii* 67:1434*
- Paraliobacillus sediminis* 67:1580*
- Pedobacter jamesrossensis* 67:1504*
- Pedobacter lithocola* 67:1505*
- Pedobacter lusitanus* 67:1346*
- Pedobacter mendelii* 67:1505*
- Pedobacter petrophilus* 67:1506*
- Phytobacter** 67:1096
- Phytobacter diazotrophicus* 67:1096
- Pistricoccus** 67:1096
- Pistricoccus aurantiacus* 67:1096
- Planomonospora algeriensis* 67:1096
- Pontibacter aurantiacus* 67:1405*
- Pseudaminobacter manganicus* 67:1593*
- Pseudoruegeria marinistellae* 67:1096
- Psychromonas aquatilis* 67:1310*
- Rectinema** 67:1293*
- Rectinema cohabitans* 67:1294*
- Rhizobium aethiopicum* 67:1096
- Rhodanobacter humi* 67:1190*
- Rhodanobacter rhizosphaerae* 67:1391*
- Rhodohalobacter** 67:1286*
- Rhodohalobacter halophilus* 67:1287*
- Rhodoplanes tepidamans* 67:1544*
- Rouxiella badensis* 67:1259*
- Rouxiella silvae* 67:1259*
- Rubricella** 67:1096
- Rubricella aquisitionis* 67:1096
- Saccharothrix ghardaiensis* 67:1096
- Sanguibacter gelidistatuariae* 67:1448*
- Sphingobacterium cellulitidis* 67:1420*
- Spirosoma fluminis* 67:1097
- Spirosoma knui* 67:1364*
- Spirosoma montaniterrae* 67:1097
- Spirosoma radiotolerans* 67:1097
- Sporosalibacterium tautonense* 67:1460*
- Streptococcus caviae* 67:1555*
- Streptomyces caldifontis* 67:1097
- Streptomyces lactacystinicus* 67:1097
- Streptomyces lasiicapitis* 67:1533*

- Subtercola lobariae* 67:1520*
- Sulfuritortus** 67:1357*
Sulfuritortus calidifontis 67:1357*
- Thalassotalea sediminis* 67:1097
- Thermoactinomyces khenchelensis* 67:1097
- Thermococcus piezophilus* 67:1097
- Thermodesulfobium acidiphilum* 67:1485*
- Thermoflexibacter** 67:1097
Thermoflexibacter ruber 67:1097
- Thioalkalimicrobium aerophilum* 51:578* (basonym) ≡
Thiomicrospira aerophila
- Thioalkalimicrobium cyclicum* 52:919* (basonym) ≡
Thiomicrospira cyclica
- Thioalkalimicrobium microaerophilum* 57:894
(basonym) ≡ *Thiomicrospira microaerophila*
- Thioalkalimicrobium sibiricum* corrig. 51:578*
(basonym) ≡ *Thiomicrospira sibirica*
- Thiobacillus aquaesulis* 45:418 (basonym) ≡
Annwoodia aquaesulis
- Thiomicroorhabdus** 67:1148*
Thiomicroorhabdus arctica 67:1148*
Thiomicroorhabdus chilensis 67:1148*
Thiomicroorhabdus frisia 67:1148*
Thiomicroorhabdus psychrophila 67:1148*
- Thiomicrospira aerophila* 67:1150*
Thiomicrospira arctica 55:785* (basonym) ≡
Thiomicroorhabdus arctica
- Thiomicrospira chilensis* 49:878* (basonym) ≡
Thiomicroorhabdus chilensis
- Thiomicrospira crunogena* 35:422* (basonym) ≡
Hydrogenovibrio crunogenus
- Thiomicrospira cyclica* 67:1150*
Thiomicrospira frisia 49:391* (basonym) ≡
Thiomicroorhabdus frisia
- Thiomicrospira halophila* 56:2379* (basonym) ≡
- Hydrogenovibrio halophilus*
- Thiomicrospira kuenenii* 49:390* (basonym) ≡
Hydrogenovibrio kuenenii
- Thiomicrospira microaerophila* 67:1150*
Thiomicrospira psychrophila 55:785* (basonym) ≡
Thiomicroorhabdus psychrophila
- Thiomicrospira sibirica* 67:1150*
Thiomicrospira thermophila 54:2331* (basonym) ≡
Hydrogenovibrio thermophilus
- Tibeticola** 67:1137*
Tibeticola sediminis 67:1138*
- Treponema ruminis* 67:1353*
- Vibrio japonicus* 67:1097
- Vitellibacter aestuarii* 60:1991* (basonym) ≡
Aequorivita aestuarii
- Vitellibacter echinoideorum* 65:2324* (basonym) ≡
Aequorivita echinoideorum
- Vitellibacter nionensis* 65:696* (basonym) ≡
Aequorivita nionensis
- Vitellibacter soesokkakensis* 64:592* (basonym) ≡
Aequorivita soesokkakensis
- Vitellibacter vladivostokensis* 53:1285* (basonym) ≡
Aequorivita vladivostokensis
- Vitiosangium** 67:1426*
Vitiosangium cumulatum 67:1426*
Vitiosangium subalbum 67:1428*
- Williamsia spongiae* 67:1264*
- Xenorhabdus eapokensis* 67:1113*
Xenorhabdus thuongxuanensis 67:1111*