



**LIST OF PROKARYOTIC NAMES  
VALIDLY PUBLISHED  
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compiled by

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## Notes

This compilation produced by the DSMZ lists the names of prokaryotes which have been validly published in the most recent volume of the *International Journal of Systematic and Evolutionary Microbiology* (IJSEM). Such an update will be issued with the publication of each new edition of the IJSEM. The DSMZ accepts no responsibility for errors.

Names of prokaryotes are defined as being validly published by the *International Code of Nomenclature of Bacteria*<sup>a,b</sup>. Validly published are all names which are included in the *Approved Lists of Bacterial Names*<sup>c,d,e,f</sup> 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 <sup>a,9</sup>
=	<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> <sup>a,9</sup>
corrig.	<i>Streptococcus sanguis</i> [sic], see: <i>Streptococcus sanguinis</i> (corrig.)	orthographic correction

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

<sup>b</sup> 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.

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

<sup>d</sup> 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.

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

<sup>f</sup> 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.

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

- Acetatifactor** 63:1  
*Acetatifactor muris* 63:1
- Acetobacter aceti* subsp. *xylinus* corrig. 30:239 (AL) (basonym) ≡ *Komagataeibacter xylinus*
- Acetobacter europaeus* 42:656 (basonym) ≡ *Komagataeibacter europaeus*
- Acetobacter hansenii* 33:896 (basonym) ≡ *Komagataeibacter hansenii*
- Acetobacter intermedius* 48:1083 (basonym) ≡ *Komagataeibacter intermedius*
- Acetobacter oboediens* 48:939\* (basonym) ≡ *Komagataeibacter oboediens*
- Acetobacter okinawensis* 63:1  
*Acetobacter papayae* 63:1  
*Acetobacter persici* corrig. 63:1
- Aestuariibaculum** 63:336\*  
*Aestuariibaculum suncheonense* 63:337\*
- Algimonas** 63:318\*  
*Algimonas porphyrae* 63:319\*
- Algoriphagus machipongonensis* 63:167\*
- Altererythrobacter troitsensis* 63:97\*
- Amantichitinum** 63:102\*  
*Amantichitinum ursilacus* 63:102\*
- Arcicella rigui* 63:139\*
- Asanoa siamensis* 63:70\*
- Bacillus cytotoxicus* 63:39\*  
*Bacillus rhizosphaerae* 63:1
- Barrientosiimonas** 63:246\*  
*Barrientosiimonas humi* 63:246\*
- Bdellovibrio exovorvus* 63:150\*
- Brevibacterium daeguense* 63:156\*
- Budvicia diplopodorum* 63:265\*
- Burkholderia denitrificans* 63:1
- Caenimonas terrae* 63:1
- Cellulomonas oligotrophica* 63:64\*  
*Cellulomonas soli* 63:63\*
- Chryseobacterium tructae* 63:1
- Cobetia amphilecti* 63:294\*  
*Cobetia litoralis* 63:295\*  
*Cobetia pacifica* 63:295\*
- Cruoricaptor** 63:1  
*Cruoricaptor ignavus* 63:1
- Cupriavidus numazuensis* 63:210\*
- Defluviimonas** 63:1  
*Defluviimonas denitrificans* 63:1
- Demequina flava* 63:252\*  
*Demequina sediminicola* 63:253\*
- Desulfobulbus marinus* 63:1
- Desulfovibrio capillatus* 63:1  
*Desulfovibrio legallii* corrig. 63:1
- Ferrovibrio** 63:2  
*Ferrovibrio denitrificans* 63:2
- Fontimonas** 63:257\*  
*Fontimonas thermophila* 63:258\*
- Gibbsiella dentisursi* 63:2
- Gluconacetobacter europaeus* 48:327 (as synonym) ≡ *Komagataeibacter europaeus*
- Gluconacetobacter intermedius* 50:2226\* (as synonym) ≡ *Komagataeibacter intermedius*
- Gluconacetobacter nataicola* 56:2109\* (basonym) ≡ *Komagataeibacter nataicola*
- Gluconacetobacter oboediens* 50:2226\* (as synonym) ≡ *Komagataeibacter oboediens*
- Gluconacetobacter rhaeticus* 55:2369\* (basonym) ≡ *Komagataeibacter rhaeticus*
- Gluconacetobacter saccharivorans* 56:2108\* (basonym) ≡ *Komagataeibacter saccharivorans*

- Gluconacetobacter sucrofermentans* 60:2282\* (as synonym) ≡ *Komagataeibacter sucrofermentans*
- Gluconacetobacter swingsii* 55:2369\* (basonym)  
≡ *Komagataeibacter swingsii*
- Gluconacetobacter xylinus* 48:327 (as synonym)  
≡ *Komagataeibacter xylinus*
- Gordonia alkaliphila* 63:330\*  
*Gordonia phosphorivorans* 63:234\*
- Haloferula chungangensis* 63:23\*
- Halomonas halodurans* 37:347\* (as synonym) =  
*Cobetia marina*
- Halomonas smyrnensis* 63:16\*
- Komagataeibacter*** 63:2\*  
*Komagataeibacter europaeus* 63:2  
*Komagataeibacter hansenii* 63:2  
*Komagataeibacter intermedius* 63:2  
*Komagataeibacter kombuchae* 63:2 (as synonym)  
= *Komagataeibacter hansenii*  
*Komagataeibacter nataicola* 63:2  
*Komagataeibacter oboediens* 63:2  
*Komagataeibacter rhaeticus* 63:2  
*Komagataeibacter saccharivorans* 63:2  
*Komagataeibacter sucrofermentans* 63:2  
*Komagataeibacter swingsii* 63:2  
*Komagataeibacter xylinus* 63:2
- Kordiimonas aquimaris* 63:302\*
- Koreibacter*** (as synonym) = ***Paraoerskovia***  
*Koreibacter algae* 60:1513\* (as synonym) =  
*Paraoerskovia marina*
- Kutzneria buriramensis* 63:51\*
- Lactobacillus hominis* 63:58\*  
*Lactobacillus pasteurii* 63:58\*
- Lihuaxuella*** 63:2  
*Lihuaxuella thermophila* 63:2
- Loktanella litorea* 63:179\*
- Luteimicrobium album* 63:2
- Lysobacter thermophilus* 63:3
- Massilia namucunensis* 63:356\*
- Mesotoga*** 63:3  
*Mesotoga prima* 63:3
- Methylobacterium dankookense* 63:3  
*Methylobacterium soli* 63:3
- Microbacterium neimengense* 63:239\*  
*Microbacterium sediminis* 63:29\*
- Micrococcus cohnii* 63:84\*
- Mycobacterium minnesotense* 63:127\*  
*Mycobacterium yongonense* 63:198\*
- Natronococcus roseus* 63:107\*
- Nesterenkonia suensis* 63:45\*
- Nocardioides basaltis* 59:46\* (as synonym) =  
*Nocardioides salarius*  
*Nocardioides psychrotolerans* 63:132\*  
*Nocardioides szechwanensis* 63:132\*
- Nonlabens marinus* 63:3
- Nonomurea jabiensis* 63:216\*
- Ornatilinea*** 63:90\*  
*Ornatilinea apprima* 63:90\*
- Ornithinimicrobium murale* 63:123\*
- Paenibacillus thermophilus* 63:3
- Pararhodobacter*** 63:3  
*Pararhodobacter aggregans* 63:3
- Pedobacter ruber* 63:343\*  
*Pedobacter tournemirensis* 63:307\*
- Peptoniphilus coxii* 63:3  
*Peptoniphilus tyrrelliae* 63:3
- Phaseolibacter*** 63:270\*  
*Phaseolibacter flectens* 63:272\*
- Pontibacter lucknowensis* 63:312\*
- Pseudogulbenkiania gefcensis* 63:190\*
- Pseudomonas flectens* 30:351 (AL) (basonym) ≡

*Phaseolibacter flectens*

*Pseudorhodoferax aquiterrae* 63:174\*

*Pseudovibrio axinellae* 63:144\*

*Pullulanibacillus uraniitolerans* 63:161\*

*Rhodobacter viridis* 63:185\*

*Rhodococcus canchipurensis* 63:117\*

*Rhodopseudomonas pentothentaxigens* 63:203\*

*Rhodopseudomonas thermotolerans* 63:206\*

*Riemerella columbipharyngis* 63:286\*

*Rubellimicrobium roseum* 63:3

*Ruegeria arenilitoris* 63:3

*Saccharopolyspora lacisalsi* 63:3

**Saliterribacillus** 63:349\*

*Saliterribacillus persicus* 63:349\*

*Shewanella litorisediminis* 63:3

**Shivajiella** 63:3

*Shivajiella indica* 63:3

**Siansivirga** 63:3

*Siansivirga zeaxanthinifaciens* 63:3

*Silanimonas mangrovi* 63:278\*

*Sphingomonas cynarae* 63:78\*

*Streptomyces endophyticus* 63:228\*

**Thermophagus** 63:112\*

*Thermophagus xiamenensis* 63:113\*

*Vibrio aestivus* 63:3

*Vibrio quintilis* 63:3

*Virgibacillus albus* 63:3

*Wautersia numazuensis* corrig. 55:1396  
(basonym) ≡ *Cupriavidus numazuensis*

*Winogradskyella damuponensis* 63:325\*