TAXONOMIC ANNOUNCEMENT

Proposed new bacterial taxa and proposed changes of bacterial names published during 1995 and 1996 and considered to be of interest to medical or veterinary bacteriology

W. FREDERIKSEN and J. URSING*

Department of Clinical Microbiology, Statens Seruminstitut, Artillerivej 5, DK 2300 København S, Denmark
and *Department of Medical Microbiology, Lund University, Malmö General Hospital, S-21401 Malmö, Sweden

In December 1995, we published a list of new names that became valid in 1994, and were considered to be of interest to medical or veterinary bacteriologists. One version was arranged alphabetically [1a], another was chronological [1b,c,d]. Later the alphabetical version was printed again [2]. The list seemed to be useful, and we here present the corresponding lists for 1995 and 1996. There are slight changes in the presentation, and only an alphabetical version is presented. The 61 bacterial names listed in Table 1 were published in 1995 in articles in the *International Journal of Systematic Bacteriology* (IJSB) (validly published) or published elsewhere and included in 1995 on the validation lists of IJSB (validated). For some taxa there is a valid synonym; in these cases the old and the new name reflect different views on the classification of the taxon. The criteria for selection remain the same: isolation from man or warm-blooded animals, with few exceptions. The 56 names listed in Table 2 were validly published or validated in the IJSB in 1996.

We also note that another extensively annotated list of 1995 new names of veterinary interest was published in 1996 by Euzéby [3].

A proposal to dissect the genus *Micrococcus* [4] is included in the list, and a survey of the new structure is given here:

Micrococcus luteus remains *Micrococcus luteus*
Micrococcus lylae remains *Micrococcus lylae*
Micrococcus roseus becomes *Kocuria rosea*
Micrococcus varians becomes *Kocuria varians*
Micrococcus kristinae becomes *Kocuria kristinae*
Micrococcus halobius becomes *Nesterenkonia halobia*

Micrococcus nishinomiyaensis becomes *Dermacoccus nishinomiyaensis*

Micrococcus sedentarius becomes *Kytococcus sedentarius*

References

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Notes to the list

In most cases the names are names of new species (spec. nov.), but some are new combinations (comb. nov.), new genera (gen. nov.), revived names (nom. rev.), or new subspecies (subsp. nov.).

Type means **Type species** of a genus or **Type strain** of a species/subspecies.

Abbreviations used: IJSB, *International Journal of Systematic Bacteriology*; LAM, *Letters of Applied Microbiology*; JCM, *Journal of Clinical Microbiology*; MML, *Medical Microbiology Letters*; FEMS ML, *FEMS Microbiology Letters*; JAB, *Journal of Applied*

Table 1. The 1995 list

Name	Valid synonym or other designation	Source of isolation/associated with	Number of strains studied	Reference and authors	Type
<i>Abiotrophia</i> gen. nov.	<i>Streptococcus</i>			IUSB 1995; 45: 798–803. Kawamura <i>et al.</i>	<i>A. defectiva</i>
<i>Abiotrophia adiacens</i> comb. nov.	<i>S. adiacens</i>			IUSB 1995; 45: 798–803. Kawamura <i>et al.</i>	ATCC 49175
<i>Abiotrophia defectiva</i> comb. nov.	<i>S. defectivus</i>			IUSB 1995; 45: 798–803. Kawamura <i>et al.</i>	ATCC 49176
<i>Actinomyces bernardiae</i>	CDC Cor 2	Man	7 (11)	IUSB 1995; 45: 57–60. Funke <i>et al.</i>	DSM 9251
<i>Actinomyces radingiae</i>	CDC gr E	Human wound	3	LAM 1995; 20: 76–81. Wüst <i>et al.</i>	DSM 9169
<i>Actinomyces turicensis</i>	CDC gr E	Human wound	2	LAM 1995; 20: 76–81. Wüst <i>et al.</i>	DSM 9168
<i>Arthrobacter agilis</i> comb. nov.	<i>Micrococcus agilis</i>			IUSB 1995; 45: 837–839. Koch <i>et al.</i>	ATCC 966
<i>Bartonella doshiae</i>		Rodents	1	IUSB 1995; 45: 1–8. Birtles <i>et al.</i>	NCTC 12862
<i>Bartonella grahamii</i>		Rodents	1	IUSB 1995; 45: 1–8. Birtles <i>et al.</i>	NCTC 12860
<i>Bartonella peromysci</i> comb. nov.	<i>Grahamella peromysci</i>	Rodents		IUSB 1995; 45: 1–8. Birtles <i>et al.</i>	Description (not cultured)
<i>Bartonella talpae</i> comb. nov.	<i>Grahamella talpae</i>	Rodents		IUSB 1995; 45: 1–8. Birtles <i>et al.</i>	Description (not cultured)
<i>Bartonella taylorii</i>		Rodents	1	IUSB 1995; 45: 1–8. Birtles <i>et al.</i>	NCTC 12861
<i>Bordetella hinzii</i>		Poultry, man	14	IUSB 1995; 45: 37–45. Vandamme <i>et al.</i>	LMG 13501
<i>Bordetella holmesii</i>		Human blood	15	JCM 1995; 33: 1–7. Weyant <i>et al.</i>	ATCC 51541
<i>Brevinema</i> gen. nov.				IUSB 1995; 45: 78–84. Defosse <i>et al.</i>	<i>B. andersonii</i>
<i>Brevinema andersonii</i>		Rodents	18	IUSB 1995; 45: 78–84. Defosse <i>et al.</i>	ATCC 43811
<i>Burkholderia coccovenans</i> comb. nov.	<i>Pseudomonas coccovenans</i>			IUSB 1995; 45: 600–603. Zhao <i>et al.</i>	NCIB 9450
<i>Campylobacter gracilis</i> comb. nov.	<i>Bacteroides gracilis</i>			IUSB 1995; 45: 145–152. Vandamme <i>et al.</i>	ATCC 33236
<i>Campylobacter hyointestinalis</i> subsp. <i>lawsonii</i> subsp. nov.		Human gingiva	4	IUSB 1995; 45: 61–66. Alderton <i>et al.</i>	CCUG 33450
<i>Campylobacter hyointestinalis</i> subsp. <i>lawsonii</i> subsp. nov.		Pig intestinal lesion	12	IUSB 1995; 45: 767–774. On <i>et al.</i>	NCTC 12901
<i>Clostridium herbivorans</i>		Pig stomach	7	IUSB 1995; 45: 490–494. Varel <i>et al.</i>	ATCC 49925
<i>Corynebacterium argenteolentense</i>		Pig intestine	1	IUSB 1995; 45: 533–537. Riegel <i>et al.</i>	CIP 104296
<i>Corynebacterium auris</i>		Human throat	4	IUSB 1995; 45: 735–739. Funke <i>et al.</i>	DSM 44122
<i>Corynebacterium glucuronolyticum</i>		Human ear	10	IUSB 1995; 45: 204–215. Funke <i>et al.</i>	DSM 44120
<i>Corynebacterium macginleyi</i>	ANF-1-like	Human genitalia	17	MML 1995; 4: 128–133. Riegel <i>et al.</i>	CIP 104099
<i>Corynebacterium ulcerans</i> nom. rev.		Human eye	3	IUSB 1995; 45: 128–133. Riegel <i>et al.</i>	CCUG 2708
<i>Dermococcus</i> gen. nov.	<i>Micrococcus</i>			FEMS ML 1995; 126: 271–276. Riegel <i>et al.</i>	<i>D. nishinomiyaensis</i>
<i>Dermococcus nishinomiyaensis</i> comb. nov.	<i>M. nishinomiyaensis</i>			IUSB 1995; 45: 682–692. Stackebrandt <i>et al.</i>	DSM 20448
<i>Globicatella</i> gen. nov.				IUSB 1995; 45: 682–692. Stackebrandt <i>et al.</i>	<i>G. sanguis</i>
<i>Helicobacter pullorum</i>		Human blood	5	JAB 1992; 73: 433–437. Collins <i>et al.</i>	ATCC 51173
<i>Kocuria</i> gen. nov.		Poultry, man	16	JAB 1992; 73: 433–437. Collins <i>et al.</i>	NCTC 12824
<i>Kocuria kristinae</i> comb. nov.	<i>Micrococcus</i>			Microbiology 1994; 140: 3441–3449. Stanley <i>et al.</i>	<i>K. rosea</i>
<i>Kocuria rosea</i> comb. nov.	<i>M. kristinae</i>			IUSB 1995; 45: 682–692. Stackebrandt <i>et al.</i>	DSM 20032
<i>Kocuria varians</i> comb. nov.	<i>M. roseus</i>			IUSB 1995; 45: 682–692. Stackebrandt <i>et al.</i>	DSM 20047
<i>Kytococcus</i> gen. nov.	<i>M. varians</i>			IUSB 1995; 45: 682–692. Stackebrandt <i>et al.</i>	DSM 20033
<i>Kytococcus sedentarius</i> comb. nov.	<i>Micrococcus</i>			IUSB 1995; 45: 682–692. Stackebrandt <i>et al.</i>	<i>K. sedentarius</i>
<i>Lautropia</i> gen. nov.	<i>M. sedentarius</i>			IUSB 1995; 45: 682–692. Stackebrandt <i>et al.</i>	DSM 20547
<i>Lautropia mirabilis</i>				Microbiology 1994; 140: 1787–1797. Gerner-Smidt <i>et al.</i>	<i>L. mirabilis</i>
<i>Lawsonia</i> gen. nov.		Human respiratory tract	6	Microbiology 1994; 140: 1787–1797. Gerner-Smidt <i>et al.</i>	NCTC 12852
<i>Lawsonia intracellularis</i>				IUSB 1995; 45: 820–825. McOrist <i>et al.</i>	<i>L. intracellularis</i>
<i>Leptotropha</i> gen. nov.		Pig intestine	6	IUSB 1995; 45: 820–825. McOrist <i>et al.</i>	NCTC 12656
<i>Leptotropha</i> gen. nov.				IUSB 1995; 45: 357–363. Yassin <i>et al.</i>	<i>L. albidocapillata</i>

<i>Lentzea albidocapillata</i>		Human tissue	1	USB 1995; 45: 357–363. Yassin <i>et al.</i>	DSM 44073
<i>Moraxella caprae</i>		Goat	8	USB 1995; 45: 467–471. Kodjo <i>et al.</i>	NCTC 12877
<i>Mycobacterium branderi</i>		Human lung	9	USB 1995; 45: 549–553. Koukila-Kähkölä <i>et al.</i>	ATCC 51789
<i>Mycobacterium interjectum</i>		Man	2 (one patient)	JCM 1993; 31: 3083–3089. Springer <i>et al.</i>	DSM 44064
<i>Mycobacterium mucogenicum</i>		Man, peritonitis	3	USB 1995; 45: 262–267. Springer <i>et al.</i>	ATCC 49650
<i>Mycoplasma adleri</i>	MCO	Goat	1	USB 1995; 45: 29–31. Del Giudice <i>et al.</i>	ATCC 27948
<i>Orientia</i> gen. nov.					<i>O. tsutsugamushi</i>
<i>Orientia tsutsugamushi</i> comb. nov.					ATCC VR150
<i>Nesterenkonia</i> gen. nov.					<i>N. halobia</i>
<i>Nesterenkonia halobia</i> comb. nov.					DSM 20541
<i>Porphyromonas catoniae</i> comb. nov.					ATCC 51270
<i>Porphyromonas levii</i> comb. nov.					ATCC 29147
<i>Porphyromonas macacae</i> comb. nov.					ATCC 33141
<i>Prevotella dentalis</i> comb. nov.					DSM 3688
<i>Sanguibacter</i> gen. nov.		Macaca	1	USB 1995; 45: 90–92. Love	<i>S. keddiei</i>
<i>Sanguibacter keddiei</i>		Dental root canal		USB 1995; 45: 832–836. Willems & Collins	DSM 3688
<i>Sanguibacter suarezii</i>		Bovine blood	3	LAM 1995; 20: 69–75. Fernández-Garayzábal <i>et al.</i>	ATCC 51767
<i>Staphylococcus pulvereri</i>		Bovine blood	3	LAM 1995; 20: 69–75. Fernández-Garayzábal <i>et al.</i>	ATCC 51766
<i>Tsakamurella inchenensis</i>		Man	5	USB 1995; 45: 169–172. Zakrzewska-Czerwinska <i>et al.</i>	PCM 2443
		Human blood	2	USB 1995; 45: 522–527. Yassin <i>et al.</i>	DSM 44067

Table 2 The 1996 list

Name	Valid synonyms or other designation	Source of isolation/associated with	Number of strains studied	Reference and authors	Type
<i>Actinobacillus delphinalicola</i>		Sea mammals	19	IJSB 1996; 46: 648–652. Foster <i>et al.</i>	NCTC 12870
<i>Actinobacillus indolicus</i>	<i>Haemophilus</i> taxon F	Pig intestinal tract	5	IJSB 1996; 46: 951–956. Møller <i>et al.</i>	46KC2
<i>Actinobacillus minor</i>	<i>Haemophilus</i> “minor” group	Pig intestinal tract	8	IJSB 1996; 46: 951–956. Møller <i>et al.</i>	NM 305
<i>Actinobacillus porcinus</i>	<i>Haemophilus</i> taxon D + E	Pig intestinal tract	7	IJSB 1996; 46: 951–956. Møller <i>et al.</i>	NM 319
<i>Aeromonas bestiarum</i>		Various animals, water, human faeces	9	MML 1996; 5: 156–165. Ali <i>et al.</i>	ATCC 51108
<i>Bartonella clarridgeiae</i>		Cat blood	1	MML 1996; 5: 64–73. Lawson and Collins	ATCC 51734
<i>Bartonella vinsonii</i> subsp. <i>berkhoffii</i> subsp. nov.		Dog blood	2	IJSB 1996; 46: 704–709. Kordick <i>et al.</i>	ATCC 51672
<i>Bartonella vinsonii</i> subsp. <i>vinsonii</i> subsp. nov.	rule 46*			IJSB 1996; 46: 704–709. Kordick <i>et al.</i>	ATCC VR-152
<i>Bifidobacterium denticolens</i>		Human dental caries	16	IJSB 1996; 46: 564–571. Crociani <i>et al.</i>	DSM 10105
<i>Bifidobacterium inopinatum</i>		Human dental caries	32	IJSB 1996; 46: 564–571. Crociani <i>et al.</i>	DSM 10107
<i>Bordetella trematum</i>		Human wound and ear	10	IJSB 1996; 46: 849–858. Vandamme <i>et al.</i>	LMG 13506
<i>Brevibacterium oitidis</i>		Human ear	2	MML 1996; 5: 113–123. Pascual <i>et al.</i>	NCFB 3053
<i>Butiuuella noackiae</i>	enteric gr 59	Snail (15), Human clinical specimen (1)	16	IJSB 1996; 46: 50–63. Müller <i>et al.</i>	ATCC 51607
<i>Cellulomonas hominis</i>	CDC A-3	Human cerebrospinal fluid	2	JCM 1995; 33: 2091–2097. Funke <i>et al.</i>	DSM 9581
<i>Cetobacterium ceti</i>		Porpoise and whale	2	LAM 1995; 21: 202–206. Foster <i>et al.</i>	NCFB 3026
<i>Cetobacterium</i> gen. nov.				LAM 1995; 21: 202–206. Foster <i>et al.</i>	<i>C. cetii</i>
<i>Citrobacter rodentium</i>		Rodents	6	JCM 1995; 33: 2064–2068. Schauer <i>et al.</i>	ATCC 51116
<i>Clostridium proteoclasticum</i>		Bovine rumen	1	IJSB 1996; 46: 753–758. Attwood <i>et al.</i>	ATCC 51982
<i>Corynebacterium seminale</i>		Human semen a.o.	12	JCM 1995; 33: 2244–2249. Riegel <i>et al.</i>	CIP 104297
<i>Eubacterium exiguum</i>		Human oral lesions	5	IJSB 1996; 46: 1120–1124. Poco <i>et al.</i>	S-7
<i>Eubacterium infirmum</i>		Human periodontal pocket	?	IJSB 1996; 46: 957–959. Cheeseman <i>et al.</i>	NCTC 12940
<i>Eubacterium minutum</i>		Human periodontal pocket	3	IJSB 1996; 46: 31–34. Poco <i>et al.</i>	ATCC 700079
<i>Eubacterium tardum</i>		Human periodontal pocket	?	IJSB 1996; 46: 957–959. Cheeseman <i>et al.</i>	NCTC 12941
<i>Helicobacter bizzozeronii</i>		Dog, gastric mucosa	10	IJSB 1996; 46: 160–166. Hämmen <i>et al.</i>	CCUG 36045
<i>Helicobacter trogonum</i>		Rat colonic mucosa	4	IJSB 1996; 46: 916–921. Mendes <i>et al.</i>	ATCC 700114
<i>Kluyvera georgiana</i>	<i>Kluyvera</i> species 3	Human sputum and throat	5	IJSB 1996; 46: 50–63. Müller <i>et al.</i>	ATCC 51603
<i>Lactococcus garvieae</i> pro synon	<i>Enterococcus seriolicida</i>			IJSB 1996; 46: 664–668. Teixeira <i>et al.</i>	ATCC 43921
<i>Legionella waltersii</i>		Water	2	IJSB 1996; 46: 631–634. Benson <i>et al.</i>	ATCC 51914
<i>Lonepinella</i> gen. nov.	New genus in <i>Pasteurellaceae</i>	Koala feces	8	Syst. Appl. Microbiol 1995; 18: 368–373. Osawa <i>et al.</i>	<i>L. koalarum</i>
<i>Lonepinella koalarum</i>		Human blood, sputum a.o.	2 patients	Syst. Appl. Microbiol 1995; 18: 368–373. Osawa <i>et al.</i>	ACM 3666
<i>Mycobacterium conspicuum</i>		Human clinical specimens	22	JCM 1995; 33: 2805–2811. Springer <i>et al.</i>	DSM 44136
<i>Mycobacterium lentiflavum</i>		Elephant genitalia	2	JCM 1996; 34: 1100–1107. Springer <i>et al.</i>	ATCC 51985
<i>Mycoplasma elephantis</i>		Human wound and urine		IJSB 1996; 46: 437–441. Kirchhoff <i>et al.</i>	ATCC 51980
<i>Myroides</i> gen. nov.				IJSB 1996; 46: 926–932. Vancanneyt <i>et al.</i>	<i>M. odoratus</i>
<i>Myroides odoratimimus</i>				IJSB 1996; 46: 926–932. Vancanneyt <i>et al.</i>	NCTC 11180

Bacteriology; ATCC, *American Type Culture Collection*; DSM, *Deutsche Sammlung von Mikroorganismen*; NCTC, *National Collection of Type Cultures*; LMG, *Laboratorium Microbiologie Gent Culture Collection*; NCIB, *National Collection of Industrial*

Bacteria; CCUG, *Culture Collection University Göteborg*; CIP, *Collection Institut Pasteur*; PCM, *Polish Collection of Microorganisms*; NCFB, *National Collection of Food Bacteria*; ACM, *Australian Collection of Microorganisms*.