

# Validation of the Publication of New Names and New Combinations Previously Effectively Published Outside the IJSB

## List No. 57†

The purpose of this announcement is to effect the valid publication of the following new names and new combinations under the procedure described previously [Int. J. Syst. Bacteriol. 27(3):iv, 1977]. Authors and other individuals wishing to have new names and/or combinations included in future lists should **send the pertinent reprint or a photocopy thereof to the IJSB (c/o ASM)** for confirmation that all of the other requirements for valid publication have been met. It should be noted that the date of valid publication of these new names and combinations is the date of publication of this list, not the date of the original publication of the names and combinations. The authors of the new names and combinations are as given below, and these authors' names will be included in the author index of the present issue and in the volume author index in this issue of the IJSB.

Inclusion of a name on these lists validates the name and thereby makes it available in bacteriological nomenclature. The inclusion of a name on this list is not to be construed as taxonomic acceptance of the taxon to which the name is applied. Indeed, some of these names may, in time, be shown to be synonyms, or the organisms may be transferred to another genus, thus necessitating the creation of a new combination.

Name	Proposed as:	Author(s) (reference)	Priority <sup>a</sup>	Nomenclatural type <sup>b</sup>
<i>Actinomadura glomerata</i>	New species	Itoh et al. (6)	11	Strain I-226 (= JCM 9376)
<i>Actinomadura longicatena</i>	New species	Itoh et al. (6)	11	Strain I-497 (= JCM 9377)
<i>Anaerobacter</i>	New genus	Duda et al. (2)	7	<i>Anaerobacter polyendosporus</i>
<i>Anaerobacter polyendosporus</i>	New species	Duda et al. (2)	7	Strain PS-1 (= VKM B-1724 = DSM 5272)
<i>Anaerovibrio glycerini</i>	New species	Schauder and Schink (15)	7	Strain LGS 4 (= DSM 5192)
<i>Bacillus oleronius</i>	New species	Kuhnigk et al. (11)	2	Strain Rt 10 (= DSM 9356)
<i>Clostridium chartatabidum</i>	New species	Kelly et al. (10)	7	Strain 163 (= DSM 5482)
<i>Clostridium grantii</i>	New species	Mountfort et al. (13)	4	Strain A-1 (= DSM 8605)
<i>Desulfurella multipotens</i>	New species	Miroshnichenko et al. (12)	7	Strain RH-8 (= DSM 8415)
<i>Halorubrobacterium</i>	New genus <sup>c</sup>	Kamekura and Dyal-Smith (8)	2	<i>Halorubrobacterium saccharovororum</i>
<i>Halorubrobacterium coriense</i> corrig. ( <i>Halorubrobacterium coriense</i> [sic]) <sup>d</sup>	New species	Kamekura and Dyal-Smith (8)	2	Strain Ch2 (= ACM 3911)
<i>Halorubrobacterium distributum</i> (basonym: <i>Halobacterium distributum</i> )	New combination	Kamekura and Dyal-Smith (8)	2	VKM B-1733 (= JCM 9100)
<i>Halorubrobacterium lacusprofundi</i> (basonym: <i>Halobacterium lacusprofundi</i> )	New combination	Kamekura and Dyal-Smith (8)	2	UQM 3107 (= ACAM 34 = ATCC 49239 = DSM 5036)
<i>Halorubrobacterium saccharovororum</i> (basonym: <i>Halobacterium saccharovororum</i> )	New combination	Kamekura and Dyal-Smith (8)	2	ATCC 29252 (= DSM 1137 = NCIMB 2981)
<i>Halorubrobacterium sodomense</i> (basonym: <i>Halobacterium sodomense</i> )	New combination	Kamekura and Dyal-Smith (8)	2	Strain RD 26 (= ATCC 33755 = DSM 3755 = NCIMB 2197)
<i>Metallosphaera prunae</i>	New species	Fuchs et al. (3)	11	Strain Ron 12/II (= DSM 10039)
<i>Methanogenium frittonii</i>	New species	Harris et al. (5)	7	Strain FR-4 (= DSM 2832)
<i>Natrialba</i>	New genus	Kamekura and Dyal-Smith (8)	2	<i>Natrialba asiatica</i>
<i>Natrialba asiatica</i>	New species	Kamekura and Dyal-Smith (8)	2	Strain 172P1 (= JCM 9576)
<i>Paracoccus thiocyanatus</i>	New species	Katayama et al. (9)	1	Strain THI 011 (= IAM 12816 = IFO 14569)
<i>Paracoccus versutus</i> (basonym: <i>Thiobacillus versutus</i> )	New combination	Katayama et al. (9)	1	IAM 12814 = ATCC 25364
<i>Ralstonia</i>	New genus	Yabuuchi et al. (17)	3	<i>Ralstonia pickettii</i>
<i>Ralstonia eutropha</i> (basonym: <i>Alcaligenes eutrophus</i> )	New combination	Yabuuchi et al. (17)	3	ATCC 17697
<i>Ralstonia pickettii</i> (basonym: <i>Burkholderia pickettii</i> )	New combination	Yabuuchi et al. (17)	3	ATCC 27511
<i>Ralstonia solanacearum</i> (basonym: <i>Burkholderia solanacearum</i> )	New combination	Yabuuchi et al. (17)	3	ATCC 10696
<i>Sphingomonas chlorophenolica</i>	New species	Nohynek et al. (14)	11	ATCC 33790
<i>Thermococcus peptonophilus</i>	New species	González et al. (4)	8	Strain OG-1 (= JCM 9653)
<i>Thermodesulforhabdus</i>	New genus	Beeder et al. (1)	6	<i>Thermodesulforhabdus norvegicus</i>
<i>Thermodesulforhabdus norvegicus</i>	New species	Beeder et al. (1)	6	Strain A8444 (= DSM 9990)
<i>Thermohydrogenium</i>	New genus	Zacharova et al. (18)	9	<i>Thermohydrogenium kirishiense</i>
<i>Thermohydrogenium kirishiense</i>	New species	Zacharova et al. (18)	9	Strain ZE-7 <sup>e</sup>
<i>Verrucomicrobiaceae</i>	New family	Ward-Rainey et al. (16)	10	<i>Verrucomicrobium</i>
<i>Verrucomicrobiales</i>	New order	Ward-Rainey et al. (16)	10	<i>Verrucomicrobiaceae</i>
<i>Vibrio trachuri</i>	New species	Iwamoto et al. (7)	5	Strain T9210 (= JCM 9677)

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† Lists 1 through 56 were published in the Int. J. Syst. Bacteriol. 27:306, 1977; 29:79, 436, 1979; 30:601, 676, 1980; 31:215, 382, 1981; 32:266, 384, 1982; 33:438, 672, 896, 1983; 34:91, 270, 355, 503, 1984; 35:223, 375, 535, 1985; 36:354, 489, 573, 1986; 37:179, 1987; 38:136, 220, 328, 449, 1988; 39:93, 205, 371, 495, 1989; 40:105, 212, 320, 470, 1990; 41: 178, 331, 456, 580, 1991; 42:191, 327, 511, 656, 1992; 43:188, 398, 624, 864, 1993; 44:182, 370, 595, 852, 1994; 45:197, 418, 619, 879, 1995; and 46:362, 1996.

<sup>a</sup> Priority number assigned according to the date the documentation and request for validation are received.

<sup>b</sup> Abbreviations: ACAM, Australian Collection of Antarctic Microorganisms, Hobart, Tasmania, Australia; ACM, Australian Collection of Microorganisms, Department of Microbiology, University of Queensland, Nathan, Brisbane, Australia; ATCC, American Type Culture Collection, Rockville, Md.; DSM, Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH, Braunschweig, Germany; IAM, Institute of Molecular and Cellular Biosciences, University of Tokyo, Tokyo, Japan; IFO, Institute for Fermentation, Osaka, Japan; JCM, Japan Collection of Microorganisms, Riken, Saitama, Japan; NCIMB, National Collection of Industrial and Marine Bacteria, Ltd., Aberdeen, Scotland; UQM, University of Queensland, St. Lucia, Queensland, Australia; VKM, All-Union Collection of Microorganisms, Institute of Biochemistry and Physiology of Microorganisms, Russian Academy of Sciences, Pushchino, Moscow Region, Russia.

<sup>c</sup> A new genus, *Halorubrum*, comprising the new combinations *Halorubrum saccharovorum* (type species), *Halorubrum lacusprofundi*, *Halorubrum sodomense*, and *Halorubrum trapanicum*, has been proposed by McGenity and Grant. Since the new name and the new combinations already were announced in Validation List No. 56 (IJSB 46:362–363), they have priority over *Halorubrobacterium* and the corresponding new combinations and therefore they have to be regarded as later synonyms. Consequently, *Halorubrobacterium distributum* and *Halorubrobacterium coriense* should read *Halorubrum distributum* and *Halorubrum coriense*, respectively. For reasons of clarity, a taxonomic note would be welcome to solve the problem.

<sup>d</sup> Name has been corrected in accordance with Rule 20c of the Bacteriological Code.

<sup>e</sup> Strain deposited in the collection of the Department of Microbiology, Moscow State University, Moscow, Russia.

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