

VALIDATION LIST NO. 74

Validation of publication of new names and new combinations previously effectively published outside the IJSEM

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 IJSEM Editorial Office** 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. 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*	Nomenclatural type†
<i>Coprobacillus</i>	gen. nov.	Kageyama and Benno (3)	1	<i>Coprobacillus catenaformis</i>
<i>Coprobacillus cateniformis</i>	sp. nov.	Kageyama and Benno (3)	1	Strain RCA1-24 (= JCM 10604)
‡(<i>Coprobacillus catenaformis</i> [sic])				
<i>Halomonas campisalis</i>	sp. nov.	Mormile <i>et al.</i> (6)	3	Strain A4 (= ATCC 700597)
<i>Heliorestis</i>	gen. nov.	Bryantseva <i>et al.</i> (1)	1	<i>Heliorestis daurensis</i>
<i>Heliorestis daurensis</i>	sp. nov.	Bryantseva <i>et al.</i> (1)	1	Strain BT-H1 (= ATCC 700798)
<i>Methylomonas scandinavica</i>	sp. nov.	Kalyuzhnaya <i>et al.</i> (4)	3	Strain SR5 (= VKM B-2140)
<i>Saccharothrix tangerinus</i>	sp. nov.	Kinoshita <i>et al.</i> (5)	4	Strain MK27-91F2 (= JCM 10302 = IFO 16184 = FERM P-16053)
<i>Thermococcus siculi</i>	sp. nov.	Grote <i>et al.</i> (2)	2	Strain RG-20 (= DSM 12349)
<i>Thermodesulfobacterium hveragerdense</i>	sp. nov.	Sonne-Hansen and Ahring (7)	3	Strain JSP (= DSM 12571)
<i>Thermodesulfobacterium islandicus</i>	sp. nov.	Sonne-Hansen and Ahring (7)	3	Strain R1Ha3 (= DSM 12570)

For references to Validation Lists 1–71, see *Int J Syst Bacteriol* 49 (1999) 1325. Lists 72–73 were published in *Int J Syst Evol Microbiol* 50 (2000) 3, 423.

* Priority number assigned according to the date the documentation and request for validation are received.

† Abbreviations: ATCC, American Type Culture Collection, Manassas, VA, USA; DSM, DSMZ – Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH, Braunschweig, Germany; FERM, National Institute of Bioscience and Human Technology, Tsukuba, Japan; IFO, Institute for Fermentation, Osaka, Japan; JCM, Japan Collection of Microorganisms, RIKEN, Saitama, Japan; VKM, All-Union Collection of Microorganisms, Institute of Biochemistry and Physiology of Microorganisms, Russian Academy of Sciences, Pushchino, Moscow Region, Russia.

‡ Epithet has been corrected on validation according to Rule 61 of the Bacteriological Code.

References

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- Grote, R., Li, L., Tamaoka, J., Kato, C., Horikoshi, K. & Antranikian, G. (1999). *Thermococcus siculi* sp. nov., a novel hyperthermophilic archaeon isolated from a deep-sea hydrothermal vent at the Mid-Okinawa Trough. *Extremophiles* 3, 55–62.
- Kageyama, A. & Benno, Y. (2000). *Coprobacillus catenaformis* gen. nov., sp. nov., a new genus and species isolated from human feces. *Microbiol Immunol* 44, 23–28.
- Kalyuzhnaya, M. G., Khmelenina, V. N., Kotelnikova, S., Holmquist, L., Pedersen, K. & Trotsenko, Y. A. (1999).

- Methylomonas scandinavica* sp. nov., a new methanotrophic psychrotrophic bacterium isolated from deep igneous rock ground water of Sweden. *Syst Appl Microbiol* **22**, 565–572.
5. **Kinoshita, N., Igarashi, M., Ikeno, S., Hori, M. & Hamada, M. (1999).** *Saccharothrix tangerinus* sp. nov., the producer of the new antibiotic formamycin: taxonomic studies. *Actinomycetologica* **13**, 20–31.
6. **Mormile, M. R., Romine, M. F., Garcia, M^a. T., Ventosa, A., Bailey, T. J. & Peyton, B. M. (1999).** *Halomonas campisalis* sp. nov., a denitrifying, moderately haloalkaliphilic bacterium. *Syst Appl Microbiol* **22**, 551–558.
7. **Sonne-Hansen, J. & Ahring, B. K. (1999).** *Thermodesulfobacterium hveragerdense* sp. nov., and *Thermodesulfovibrio islandicus* sp. nov., two thermophilic sulfate reducing bacteria isolated from a Icelandic hot spring. *Syst Appl Microbiol* **22**, 559–564.