

VALIDATION LIST NO. 84

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>Acetobacter cibinongensis</i>	sp. nov.	Lisdiyanti <i>et al.</i> (3)	3	Strain 4H-1 (= IFO 16605 = JCM 11196)
<i>Acetobacter orientalis</i>	sp. nov.	Lisdiyanti <i>et al.</i> (3)	3	Strain 21F-2 (= IFO 16606 = JCM 11195)
<i>Acetobacter syzygii</i>	sp. nov.	Lisdiyanti <i>et al.</i> (3)	3	Strain 9H-2 (= IFO 16604 = JCM 11197)
<i>Alicyclobacillus acidocaldarius</i> subsp. <i>rittmannii</i>	subsp. nov.	Nicolaus <i>et al.</i> (5)	5	Strain MR1 (= DSM 11297)
<i>Bacillus thermantarcticus</i> corrig. (<i>Bacillus thermoantarcticus</i> [sic])‡	sp. nov.	Nicolaus <i>et al.</i> (4)	5	Strain M1 (= DSM 9572)
<i>Helicobacter aurati</i>	sp. nov.	Patterson <i>et al.</i> (6)	1	Strain MIT 97-5075c (= ATCC BAA-1)
<i>Helicobacter canadensis</i>	sp. nov.	Fox <i>et al.</i> (1)	1	Strain NLEP-16143 (= ATCC 700968 = MIT 98-5491)
<i>Nocardia vinacea</i>	sp. nov.	Kinoshita <i>et al.</i> (2)	4	Strain MK703-102F1 (= JCM 10988 = IFO 16497)
<i>Nocardiopsis exhalans</i>	sp. nov.	Peltola <i>et al.</i> (7)	2	Strain ES10.1 (= DSM 44407 = NRRL B-24123)
<i>Nocardiopsis umidischolae</i>	sp. nov.	Peltola <i>et al.</i> (7)	2	Strain 66/93 (= DSM 44362 = NRRL B-24122)

For references to Validation Lists 1–71, see *Int J Syst Bacteriol* **49** (1999) 1325. Lists 72–83 were published in *Int J Syst Evol Microbiol* **50** (2000) 3, 423, 949, 1415, 1699, 1953 and **51** (2001) 1, 263, 793, 1229, 1619, 1945.

* 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; IFO, Institute for Fermentation, Osaka, Japan; JCM, Japan Collection of Microorganisms, RIKEN, Saitama, Japan; NRRL, Agricultural Research Service Culture Collection, National Center for Agricultural Utilization Research, US Department of Agriculture, Peoria, IL, USA.

‡ Name has been corrected on validation.

References

1. Fox, J. G., Chien, C. C., Dewhirst, F. E., Paster, B. J., Shen, Z., Melito, P. L., Woodward, D. L. & Rodgers, F. G. (2000). *Helicobacter canadensis* sp. nov. isolated from humans with diarrhea as an example of an emerging pathogen. *J Clin Microbiol* **38**, 2546–2549.
2. Kinoshita, N., Homma, Y., Igarashi, M., Ikeno, S., Hori, M. & Hamada, M. (2001). *Nocardia vinacea* sp. nov. *Actinomycetologica* **15**, 1–5.
3. Lisdiyanti, P., Kawasaki, H., Seki, T., Yamada, Y., Uchimura, T. & Komagata, K. (2001). Identification of *Acetobacter* strains isolated from Indonesian sources, and proposals of *Acetobacter syzygii* sp. nov., *Acetobacter cibinongensis* sp. nov., and *Acetobacter orientalis* sp. nov. *J Gen Appl Microbiol* **47**, 119–131.
4. Nicolaus, B., Lama, L., Esposito, E., Manca, M. C., di Prisco, G. & Gambacorta, A. (1996). “*Bacillus thermoantarcticus*” sp. nov., from Mount Melbourne, Antarctica: a novel thermophilic species. *Polar Biol* **16**, 101–104.
5. Nicolaus, B., Improta, R., Manca, M. C., Lama, L., Esposito, E. & Gambacorta, A. (1998). Alicyclobacilli from an unexplored geothermal soil in Antarctica: Mount Rittmann. *Polar Biol* **19**, 133–141.
6. Patterson, M. M., Schrenzel, M. D., Feng, Y., Xu, S., Dewhirst, F. E., Paster, B. J., Thibodeau, S. A., Versalovic, J. & Fox, J. G. (2000). *Helicobacter aurati* sp. nov., a urease-positive *Helicobacter* species cultured from gastrointestinal tissues of Syrian hamsters. *J Clin Microbiol* **38**, 3722–3728.
7. Peltola, J. S. P., Andersson, M. A., Kämpfer, P., Auling, G., Kroppenstedt, R. M., Busse, H.-J., Salkinoja-Salonen, M. S. & Rainey, F. A. (2001). Isolation of toxigenic *Nocardiopsis* strains from indoor environments and description of two new *Nocardiopsis* species, *N. exhalans* sp. nov. and *N. umidischolae* sp. nov. *Appl Environ Microbiol* **67**, 4293–4304.