

## VALIDATION LIST NO. 70

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

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 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>Desulforhopalus</i>	gen. nov.	Isaksen and Teske (1)	3	<i>Desulforhopalus vacuolatus</i>
<i>Desulforhopalus vacuolatus</i>	sp. nov.	Isaksen and Teske (1)	3	Strain ltk 10 (= DSM 9700)
<i>Facklamia languida</i>	sp. nov.	Lawson <i>et al.</i> (2)	4	Strain 1144-97 (= CCUG 37842)
<i>Pseudomonas abietaniphila</i>	sp. nov.	Mohn <i>et al.</i> (3)	2	Strain BKME-9 (= ATCC 700689)
<i>Pseudomonas jessenii</i>	sp. nov.	Verhille <i>et al.</i> (5)	2	Strain CFML 95-307 (= CIP 105274)
<i>Pseudomonas mandelii</i>	sp. nov.	Verhille <i>et al.</i> (5)	2	Strain CFML 95-303 (= CIP 105273)
<i>Pseudomonas multiresinivorans</i>	sp. nov.	Mohn <i>et al.</i> (3)	2	Strain IpA-1 (= ATCC 700690)
<i>Pseudomonas vancouverensis</i>	sp. nov.	Mohn <i>et al.</i> (3)	2	Strain DhA-51 (= ATCC 700688)
<i>Sphingomonas natatoria</i> (basonym <i>Blastomonas natatoria</i> )	comb. nov.	Yabuuchi <i>et al.</i> (6)‡	5	ACM 2507 = ATCC 35951 = DSM 3183 = JCM 10396 = NCIMB 12085
<i>Sphingomonas suberifaciens</i> (basonym <i>Rhizomonas suberifaciens</i> )	comb. nov.	Yabuuchi <i>et al.</i> (6)	5	Strain Ca1 (= ATCC 49382 = IFO 15211 = JCM 8521 = NCPFB 3629)
<i>Sphingomonas ursincola</i> (basonym <i>Erythromonas ursincola</i> )	comb. nov.	Yabuuchi <i>et al.</i> (6)	5	Strain KR-99 (= DSM 9006 = JCM 10397)
<i>Thermococcus zilligii</i>	sp. nov.	Ronimus <i>et al.</i> (4)	1	Strain AN1 (= DSM 2770)
<i>Vibrio rumoiensis</i>	sp. nov.	Yumoto <i>et al.</i> (7)	1	Strain S-1 (= FERM P-14531)
<i>Zoogloea resiniphila</i>	sp. nov.	Mohn <i>et al.</i> (3)	2	Strain DhA-35 (= ATCC 700687)

Lists 1–69 were published in the *Int J Syst Bacteriol* **27** (1977) 306; **29** (1979) 79, 436; **30** (1980) 601, 676; **31** (1981) 215, 382; **32** (1982) 266, 384; **33** (1983) 438, 672, 896; **34** (1984) 91, 270, 355, 503; **35** (1985) 223, 375, 535; **36** (1986) 354, 489, 573; **37** (1987) 179; **38** (1988) 136, 220, 328, 449; **39** (1989) 93, 205, 371, 495; **40** (1990) 105, 212, 320, 470; **41** (1991) 178, 331, 456, 580; **42** (1992) 191, 327, 511, 656; **43** (1993) 188, 398, 624, 864; **44** (1994) 182, 370, 595, 852; **45** (1995) 197, 418, 619, 879; **46** (1996) 362, 625, 836, 1189; **47** (1997) 242, 601, 915, 1274; **48** (1998) 327, 627, 631, 1083; and **49** (1999) 1, 341.

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

† Abbreviations: ACM, Australian Collection of Microorganisms, Department of Microbiology, University of Queensland, Nathan, Brisbane, Australia; ATCC, American Type Culture Collection, Manassas, VA, USA; CIP, Collection of the Institute Pasteur, Paris, France; CCUG, Culture Collection, University of Göteborg, Göteborg, Sweden; DSM, DSMZ – Deutsche Sammlung von Mikroorganismen und Zellkulturen, 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; NCIMB, National Collection of Industrial and Marine Bacteria, Aberdeen, UK; NCPFB, National Collection of Plant Pathogenic Bacteria, Harpenden, UK.

‡ An emended description of the genus *Sphingomonas* is also provided.

**References**

1. **Isaksen, M. F. & Teske, A. (1996).** *Desulforhopalus vacuolatus* gen. nov., sp. nov., a new moderately psychrophilic sulfate-reducing bacterium with gas vacuoles isolated from a temperate estuary. *Arch Microbiol* **166**, 160–168.
2. **Lawson, P. A., Collins, M. D., Falsen, E., Sjöden, B. & Facklam, R. R. (1999).** *Facklamia languida* sp. nov., isolated from human clinical specimens. *J Clin Microbiol* **37**, 1161–1164.
3. **Mohn, W. W., Wilson, A. E., Bicho, P. & Moore, E. R. B. (1999).** Physiological and phylogenetic diversity of bacteria growing on resin acids. *Syst Appl Microbiol* **22**, 68–78.
4. **Ronimus, R. S., Reysenbach, A.-L., Musgrave, D. R. & Morgan, H. W. (1997).** The phylogenetic position of the *Thermococcus* isolate AN1 based on 16S rRNA gene sequence analysis: a proposal that AN1 represents a new species, *Thermococcus zilligii* sp. nov. *Arch Microbiol* **168**, 245–248.
5. **Verhille, S., Baida, N., Dabboussi, F., Izard, D. & Leclerc, H. (1999).** Taxonomic study of bacteria isolated from natural mineral waters: proposal of *Pseudomonas jessenii* sp. nov. and *Pseudomonas mandelii* sp. nov. *Syst Appl Microbiol* **22**, 45–58.
6. **Yabuuchi, E., Kosako, Y., Naka, T., Suzuki, S. & Yano, I. (1999).** Proposal of *Sphingomonas suberifaciens* (van Bruggen, Jochimsen and Brown 1990) comb. nov., *Sphingomonas natatoria* (Sly 1985) comb. nov., *Sphingomonas ursincola* (Yurkov et al. 1997) comb. nov., and emendation of the genus *Sphingomonas*. *Microbiol Immunol* **43**, 339–349.
7. **Yumoto, I., Iwata, H., Sawabe, T., Ueno, K., Ichise, N., Matsuyama, H., Okuyama, H. & Kawasaki, K. (1999).** Characterization of a facultatively psychrophilic bacterium, *Vibrio rumoiensis* sp. nov., that exhibits high catalase activity. *Appl Environ Microbiol* **65**, 67–72.