

Notification List

Notification that new names and new combinations have appeared in volume 54, part 3, of the IJSEM

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This listing of names published in a previous issue of the IJSEM is provided as a service to bacteriology to assist in the recognition of new names and new combinations. This procedure was proposed by the Judicial Commission [Minute 11(ii), *Int J Syst Bacteriol* **41** (1991), p. 185]. The names given herein are listed according to the Rules of priority (i.e. page number and order of valid publication of names in the original articles). Taxonomic opinions included in this List (i.e. the creation of synonyms or the emendation of circumscriptions) cannot be considered as validly published nor, in any other way, approved by the International Committee on Systematics of Prokaryotes and its Judicial Commission.

Name/author(s):	Proposed as:	Page no.
<i>Petrobacter</i> Bonilla Salinas <i>et al.</i> 2004	gen. nov.	647
<i>Petrobacter succinatimandens</i> Bonilla Salinas <i>et al.</i> 2004	sp. nov.	648
<i>Angulomicrobium amanitifforme</i> Fritz <i>et al.</i> 2004	sp. nov.	656
<i>Mycobacterium saskatchewanense</i> Turenne <i>et al.</i> 2004	sp. nov.	665
<i>Reinekea</i> Romanenko <i>et al.</i> 2004	gen. nov.	672
<i>Reinekea marinisedimentorum</i> Romanenko <i>et al.</i> 2004	sp. nov.	672
<i>Kordia</i> Sohn <i>et al.</i> 2004	gen. nov.	678
<i>Kordia algicida</i> Sohn <i>et al.</i> 2004	sp. nov.	678
<i>Arcicella</i> Nikitin <i>et al.</i> 2004	gen. nov.	683
<i>Arcicella aquatica</i> Nikitin <i>et al.</i> 2004	sp. nov.	684
<i>Isoptericola</i> Stackebrandt <i>et al.</i> 2004	gen. nov.	686
<i>Isoptericola variabilis</i> (Bakalidou <i>et al.</i> 2002) Stackebrandt <i>et al.</i> 2004 (basonym <i>Cellulosimicrobium variabile</i> Bakalidou <i>et al.</i> 2002)	comb. nov.	687
<i>Burkholderia dolosa</i> Vermis <i>et al.</i> 2004	sp. nov.	691
<i>Agarivorans</i> Kurahashi and Yokota 2004	gen. nov.	695
<i>Agarivorans albus</i> Kurahashi and Yokota 2004	sp. nov.	696
<i>Legionella drancourtii</i> La Scola <i>et al.</i> 2004*	sp. nov.	703
<i>Formosa</i> Ivanova <i>et al.</i> 2004	gen. nov.	707
<i>Formosa algae</i> Ivanova <i>et al.</i> 2004	sp. nov.	707
<i>Pseudomonas antarctica</i> Reddy <i>et al.</i> 2004	sp. nov.	717
<i>Pseudomonas meridiana</i> Reddy <i>et al.</i> 2004	sp. nov.	717
<i>Pseudomonas proteolytica</i> Reddy <i>et al.</i> 2004	sp. nov.	718
<i>Halomonas boliviensis</i> Quillaguamán <i>et al.</i> 2004	sp. nov.	724
<i>Streptomyces hebeiensis</i> Xu <i>et al.</i> 2004	sp. nov.	729
<i>Halomonas ventosae</i> Martínez-Cánovas <i>et al.</i> 2004	sp. nov.	735
<i>Anaerobranca californiensis</i> Gorlenko <i>et al.</i> 2004	sp. nov.	742
<i>Jeotgalicoccus pinnipedialis</i> Hoyles <i>et al.</i> 2004	sp. nov.	747
<i>Pseudonocardia benzenivorans</i> Kämpfer and Kroppenstedt 2004	sp. nov.	751
<i>Methanobacterium aarhusense</i> Shlimon <i>et al.</i> 2004	sp. nov.	762
<i>Arthrobacter nitroguajacolicus</i> Kotoučková <i>et al.</i> 2004	sp. nov.	776
<i>Corynebacterium halotolerans</i> Chen <i>et al.</i> 2004	sp. nov.	781
<i>Gulosibacter</i> Manaia <i>et al.</i> 2004	gen. nov.	786
<i>Gulosibacter molinativorax</i> Manaia <i>et al.</i> 2004	sp. nov.	787
<i>Pseudoclavibacter</i> Manaia <i>et al.</i> 2004	gen. nov.	787
<i>Pseudoclavibacter helvolus</i> Manaia <i>et al.</i> 2004	sp. nov.	787
<i>Bacillus hwajinpoensis</i> Yoon <i>et al.</i> 2004	sp. nov.	807

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<i>Lactobacillus cellobiosus</i> Rogosa <i>et al.</i> 1953 (Approved Lists 1980) pro synon. <i>Lactobacillus fermentum</i> Beijerinck 1901 (Approved Lists 1980)	synon.†	811
<i>Lactobacillus fermentum</i> Beijerinck 1901 (Approved Lists 1980) emend. Dellaglio <i>et al.</i> 2004	emend.†	811
<i>Volucribacter</i> Christensen <i>et al.</i> 2004	gen. nov.	817
<i>Volucribacter psittacida</i> Christensen <i>et al.</i> 2004	sp. nov.	817
<i>Volucribacter amazonae</i> Christensen <i>et al.</i> 2004	sp. nov.	817
<i>Sphingomonas yabuuchiae</i> Li <i>et al.</i> 2004	sp. nov.	824
<i>Brevundimonas nasdae</i> Li <i>et al.</i> 2004	sp. nov.	824
<i>Rothia aerea</i> Li <i>et al.</i> 2004	sp. nov.	833
<i>Rhodococcus baikonurensis</i> Li <i>et al.</i> 2004	sp. nov.	833
<i>Arthrobacter russicus</i> Li <i>et al.</i> 2004	sp. nov.	834
<i>Nesterenkonia halotolerans</i> Li <i>et al.</i> 2004	sp. nov.	838
<i>Nesterenkonia xinjiangensis</i> Li <i>et al.</i> 2004	sp. nov.	840
<i>Vibrio gallicus</i> Sawabe <i>et al.</i> 2004	sp. nov.	845
<i>Pseudomonas lutea</i> Peix <i>et al.</i> 2004	sp. nov.	849
<i>Herbaspirillum chlorophenicum</i> Im <i>et al.</i> 2004	sp. nov.	854
<i>Collimonas</i> de Boer <i>et al.</i> 2004	gen. nov.	862
<i>Collimonas fungivorans</i> de Boer <i>et al.</i> 2004	sp. nov.	863
<i>Acidomonas</i> Urakami <i>et al.</i> 1989 emend. Yamashita <i>et al.</i> 2004	emend.†	868
<i>Acidomonas methanolica</i> (Uhlig <i>et al.</i> 1986) Urakami <i>et al.</i> 1989 emend. Yamashita <i>et al.</i> 2004	emend.†	869
<i>Prevotella shahii</i> Sakamoto <i>et al.</i> 2004	sp. nov.	881
<i>Prevotella salivae</i> Sakamoto <i>et al.</i> 2004	sp. nov.	882
<i>Paenibacillus lactis</i> Scheldeman <i>et al.</i> 2004	sp. nov.	889
<i>Corynebacterium caspium</i> Collins <i>et al.</i> 2004	sp. nov.	926
<i>Paenibacillus ehimensis</i> (Kuroshima <i>et al.</i> 1996) Lee <i>et al.</i> 2004 (basonym <i>Bacillus ehimensis</i> Kuroshima <i>et al.</i> 1996)	comb. nov.	931
<i>Paenibacillus chitinolyticus</i> (Kuroshima <i>et al.</i> 1996) Lee <i>et al.</i> 2004 (basonym <i>Bacillus chitinolyticus</i> Kuroshima <i>et al.</i> 1996)	comb. nov.	932
<i>Psychroflexus tropicus</i> Donachie <i>et al.</i> 2004	sp. nov.	937
<i>Anoxybacillus contaminans</i> De Clerck <i>et al.</i> 2004	sp. nov.	943
<i>Bacillus gelatini</i> De Clerck <i>et al.</i> 2004	sp. nov.	944
<i>Clostridium hastiforme</i> MacLennan 1939 (Approved Lists 1980) pro synon. <i>Tissierella praeacuta</i> (Tissier 1908) Collins and Shah 1986	synon.†	948
<i>Tissierella</i> Collins and Shah 1986 emend. Bae <i>et al.</i> 2004	emend.†	948
<i>Propionispora hippei</i> Abou-Zeid <i>et al.</i> 2004	sp. nov.	953
<i>Catellibacterium</i> Tanaka <i>et al.</i> 2004	gen. nov.	958
<i>Catellibacterium nectariphilum</i> Tanaka <i>et al.</i> 2004	sp. nov.	958
' <i>Candidatus</i> Cardinium hertigii' Zchori-Fein <i>et al.</i> 2004	<i>Candidatus</i> ‡	965
<i>Syntrophomonas curvata</i> Zhang <i>et al.</i> 2004	sp. nov.	972
<i>Nakamurellaceae</i> Tao <i>et al.</i> 2004 (illegitimate synonym <i>Microsphaeraceae</i> Rainey <i>et al.</i> 1997)	fam. nov.	999
<i>Nakamurella</i> Tao <i>et al.</i> 2004 (illegitimate synonym <i>Microsphaera</i> Yoshimi <i>et al.</i> 1996)	gen. nov.	999
<i>Nakamurella multipartita</i> (Yoshimi <i>et al.</i> 1996) Tao <i>et al.</i> 2004 (illegitimate basonym <i>Microsphaera multipartita</i> Yoshimi <i>et al.</i> 1996)	comb. nov.	999

*Strict application of the Rules of the Bacteriological Code (1990 Revision) would mean that *Legionella drancourtii* La Scola *et al.* 2004 is not validly published because the protologue makes reference to the deposition of the type strain in a single recognized culture collection. However, the type strain is only available as a co-culture in an amoeba (*Acanthamoeba polyphaga*), which probably explains why most other collections will not take it. Consequently, as for obligate barophiles or organisms of Risk Group 3, it seems sensible to make an exception to Rules 27(3) and 30 and to consider that *Legionella drancourtii* La Scola *et al.* 2004 is validly published.

†Taxonomic opinion.

‡Category not covered by the Rules of the Bacteriological Code (1990 Revision).