Metabolic and physiological characteristics of *Acinetobacter* species

Ms Excel version (↓)

Listed are all species with validly published names except for *A. boissieri* and *A. nectaris*, which are negative in the assimilation tests shown (they utilize other substrates such as sucrose or D-fructose). Not included are *A. grimontii*, *A. guangdongensis*, *A. pakistanensis*, and *A. dijkshoorniae* which are the later synonyms of *A. junii* (Vaneechoutte *et al*., 2008), *A. indicus* (Nemec & Radolfova-Krizova, 2016), and *A. lactucae* (Dunlap & Rooney, 2018), respectively. Genomic species 6, 15BJ and 16, and Taxon 21 and 22 are provisional designations of putative novel species. Each species includes a type strain. Numbers of strains of individual species are indicated in parentheses after the species names. The results [except for those for *A. guerrae* and *A. portensis* adopted from Carvalheira *et al.* (2020), *A. chengduensis* from Qin *et al*. (2020), and *A. lanii*, *A. shaoyimingii*, and *A. wanghuae* from Zhu *et al*. (2020)] were obtained in the Laboratory of Bacterial Genetics in Prague using an array of standardized, in-house tests as described by Nemec *et al*. (2009) and Krizova *et al.* (2015), and were published previously (Hu *et al*. 2018; Krizova *et al*., 2015; Nemec *et al*., 2017, 2018; Qin *et al*. 2018, 2019) except for the unpublished results for Taxon 21 and 22. Except for temperature-dependent tests, the culture temperature was 25 °C for *A. celticus* and 30 °C for the other species. Assimilation/growth tests were interpreted after 6 days of culture, other tests after 3 (haemolytic and gelatinase activities) or 2 (D-glucose acidification, temperature growth tests) days. +, All strains positive; -, all strains negative; !, results which are opposite to those published in original nomenclatural proposals; D, (mostly) doubtful or irreproducible reactions; W, (mostly) weak positive reactions; ND, not determined. Numbers are percentages of strains with clearly positive reactions; for strain-dependent reactions, results for type strains are given in parentheses.

| Characteristic | *A. albensis* (8) | *A. apis* (1) | *A. baumannii* (25) | *A. bayly*i (5) | *A. beijerinckii* (15) | *A. beneziniae* (16) | *A. bohemicus* (25) | *A. bouvetii* (1) | *A. brisouii* (1) | *A. calcoaceticus* (11) | *A. celticus* (6) | *A. chengduensis* (2) | *A. chinensis* (2) | *A. colistiniresistens* (24) | *A. courvalinii* (9) | *A. cumulans* (6) | *A. defluvii* (1) | *A. dispersus* (9) | *A. equi* (5) | *A. gandensis* (6) | *A. gerneri* (1) | *A. guerrae* (2) | *A. guillouiae* (17) | *A. gyllenbergii* (9) | *A. haemolyticus* (16) | *A. halotolerans* (1) | *A. harbinensis* (1) | *A. indicus* (2) | *A. johnsonii* (30) | *A. junii* (14) | *A. kookii* (2) | *A. lactucae* (6) | *A. lanii* (2) | *A. larvae* (1) | *A. lwoffii* (37) | *A. modestus* (7) | *A. nosocomialis* (20) | *A. parvus* (10) | *A. piscicola* (1) | *A. pittii* (20) | *A. popoli* (3) | *A. portensis* (4) | *A. pragensis* (7) | *A. proteolyticus* (6) | *A. pseudolwoffii* (15) | *A. puyangensis* (2) | *A. qingfengensis* (2) | *A. radioresistens* (12) | *A. rudis* (3) | *A. schindleri* (22) | *A. seifertii* (16) | *A. shaoyimingii* (2) | *A. sichuanensis* (1) | *A. soli* (5) | *A. tandoii* (1) | *A. tjernbergiae* (2) | *A. towneri* (2) | *A. ursingii* (29) | *A. variabilis* (16) | *A. venetianus* (5) | *A. vivianii* (9) | *A. wanghuae* (2) | *A. wuhouensis* (8) | Genomic sp. 6 (3) | Genomic sp. 15BJ (2) | Genomic sp. 16 (4) | Taxon 21 (4) | Taxon 22 (2) |
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