Supplementary Table S1. Biochemical characteristics of the *A. Iwoffii* type strain DSM 2403 and the *W. chitiniclastica* type strain DSM 18708 together with the four *W. chitiniclastica* strains DSM 100374, DSM 100375, DSM 100676 and DSM 100917, isolated at Dresden University Hospital, analyzed by VITEK 2

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Biochemical reactions | DSM 2403 | DSM 18708 | DSM 100374 | DSM 100375 | DSM 100676 | DSM 100917 |
| APPA | - | - | - | - | - | - |
| H2S | - | - | - | - | - | - |
| BGLU | - | - | - | - | + | - |
| ProA | - | - | - | - | - | - |
| SAC | - | - | - | - | + | - |
| ILATk | + | + | - | - | - | + |
| GlyA | - | - | - | - | - | - |
| O129R | - | - | - | - | - | - |
| ADO | - | - | - | - | - | - |
| BNAG | - | - | - | - | - | - |
| dMAL | - | - | - | - | + | - |
| LIP | - | - | - | - | - | - |
| dTAG | - | - | - | - | - | - |
| AGLU | - | - | - | - | + | - |
| ODC | - | - | - | - | - | - |
| GGAA | - | - | - | - | - | - |
| PyrA | - | - | - | - | - | - |
| AGLTp | - | - | - | - | - | - |
| dMAN | - | - | - | - | + | - |
| PLE | - | - | - | - | + | - |
| dTRE | - | - | - | - | + | - |
| SUCT | - | - | - | - | - | (-) |
| LDC | - | - | - | - | - | - |
| IMLTa | - | - | - | - | - | - |
| IARL | - | - | - | - | - | - |
| dGLU | - | - | - | - | + | - |
| dMNE | - | - | - | - | + | - |
| TyrA | + | + | + | + | + | + |
| CIT | - | - | - | - | - | - |
| NAGA | - | - | - | - | - | - |
| IHIAa | - | - | - | - | - | - |
| ELLM | - | + | - | - | + | + |
| dCEL | - | - | - | - | + | - |
| GGT | - | - | - | - | - | - |
| BXYL | - | - | - | - | (-) | - |
| URE | - | - | - | - | - | - |
| MNT | - | - | - | - | - | - |
| AGAL | - | - | - | - | - | - |
| CMT | + | - | - | - | - | - |
| ILATa | - | + | + | + | - | + |
| BGAL | - | - | - | - | - | - |
| OFF | - | - | - | - | - | - |
| BAIap | - | - | - | - | - | - |
| dSOR | - | - | - | - | + | - |
| 5KG | - | - | - | - | - | - |
| PHOS | - | - | - | - | - | - |
| BGUR | - | - | - | - | - | - |

Analysis was performed on a VITEK 2 instrument (bioMérieux, Nürtingen, Germany) using the card for identification of Gram-negative organisms (GN). The substrates on this card are listed in table 7 of the Encyclopedia of Rapid Microbiological Methods (12). All isolates from Dresden University Hospital were misidentified by VITEK 2 either as *A. Iwoffii* (DSM 100917 with 96 % probability, DSM 100374 and DSM 100375 with 99 % probability) or as *Rhizobium radiobacter* (DSM 100676 with 99 % probability). A second optional misidentification as *C. testosteroni* with 97 % probability was offered for *W. chitiniclastica* DSM 100917 by the VITEK 2 advanced expert system. Furthermore, the *A. Iwoffii* type strain DSM 2403 and the *W. chitiniclastica* type strain DSM 18708 were also misidentified as *A. radioresistance* with a probability of 94 % and as *Moraxella* group with 95 %, respectively. Note that a VITEK probability > 96 % is considered an excellent result by the advanced expert system.