Supplementary Table S1. Strains of *Acinetobacter berezinae* sp. nov. and *Acinetobacter guillouiae* sp. nov.

Culture collections: ATCC, American Type Culture Collection, Manassas, VA, USA; CCM, Czech Collection of Microorganisms, Brno, Czech Republic; CCUG, Culture Collection, University of Göteborg, Sweden; LMG, Bacteria Collection, Laboratorium voor Microbiologie Gent, Gent, Belgium; CIP, Collection de l'Institut Pasteur, Institut Pasteur, Paris, France. ANC and NIPH are strain designations used by A. Nemec; LUH and RUH are strain designations used by L. Dijkshoorn. CZ, Czech Republic; NL, the Netherlands; in, inpatient; out, outpatient.

Strain	Specimen	Location and year of isolation	Donor	Reference	Accession number		DNA–DNA reassociation
					rpoB	16S rRNA gene	
***Acinetobacter berezinae* sp. nov. (*n*=16)**							
LMG 1003^T (=NIPH 521^T =LUH 13182^T =ATCC 17924^T =CIP 70.12^T =69^{T*})	Wound (human)	Before 1960		1	EU477116	Z93443	1, 7
CCUG 28268 (=RUH 2223 =NIPH 2260 =113:2*)	Wound (human)	Malmö, Sweden, 1980	I. Tjernberg	7	FJ754441		7
RUH 2222 (=NIPH 2274 =198*)	Urine (human)	Malmö, Sweden, 1980	I. Tjernberg	7	FJ754444		7
NIPH 870 (=LUH 10180)	Urine (human, in)	Medical Unit, Č. Budějovice, CZ, 1997	M. Horníková	6	FJ754434		
NIPH 1741 (=LUH 10183)	Sputum (human, in)	Plzeň, CZ, 2001	T. Bergerová		FJ754438		
LUH 2634 (=NIPH 2524)	Sink (hospital environment)	Enschede, NL, 1995			FJ754450	FM177773	
LUH 6973 (=NIPH 2532)	Faeces (human, out)	Leiden, NL, 2000			FJ754455		
LUH 9667 (=NIPH 2542 =8630†)	Eye (rabbit)	Dublin, Ireland	S. Fanning		FJ754460	FM177774	
NIPH 3 (=LUH 10179)	Hospital environment	Prague, 1991	J. Vránková		FJ754430		
NIPH 1050 (=LUH 10181)	Urine (human, in)	Sedlčany, CZ, 1998	P. Ježek	6	FJ754436		
NIPH 1054 (=LUH 10182)	Faeces (human, out)	Příbram, CZ, 1998	P. Ježek	6	FJ754437		
LUH 5624 (=NIPH 2528 =R1-82†)	Sewage	Denmark, 1997	L. Guardabassi		FJ754452		
LUH 5852 (=NIPH 2531)	Sputum (human, in)	Leiden, NL, 1999			FJ754454		
LUH 7438 (=NIPH 2535 =118FFC†)	Blood (human)	Coimbra, Portugal, 1998	G. da Silva		FJ754456		
LUH 7832 (=NIPH 2537 =V0112893†)	Wound (seal)	Utrecht, NL, 2001	J. Wagenaar		FJ754458		
LUH 8524 (=NIPH 2539 =130380-2†)	Clinical specimen (human)	Heerlen, NL, 2003	Wagenvoort		FJ754459		
***Acinetobacter guillouiae* sp. nov. (*n*=17)**							
LMG 988^T (=NIPH 522^T =LUH 13183^T =ATCC 11171^T =CIP 63.46^T =73^{T*})	Sewage	Before 1951		1	EU477117	X81659	1, 7
RUH 2234 (=NIPH 2272 =174*)	Contact lens	Malmö, Sweden, 1980	I. Tjernberg	7	FJ754442		7
RUH 2236 (=NIPH 2273 =51*)	Urine (human)	Malmö, Sweden, 1980	I. Tjernberg	7	FJ754443		7
NIPH 682 (=LUH 13118)	Blood (human, in)	Medical Unit, Č. Budějovice, CZ, 1997	O. Hausner	6	FJ754431		
RUH 2860 (=NIPH 2127 =58b*)	Wound (human)	Malmö, Sweden, 1980	I. Tjernberg	7	FJ754439		7
LUH 287 (=NIPH 2169 =225†)	Sputum (human)	Odense, Denmark, 1988–9	P. Gerner-Smidt	3	FJ754440		3
RUH 1050 (=NIPH 820 =LMD 81.109)	Not known		J. van der Toorn	5	FJ754433		5
A23* (=NIPH 2689 =LUH 10615 =CIP 107475)	Activated sludge	Albury, Australia	E. Carr	2	FJ754463	FM177776	2
LUH 5606 (=NIPH 2525 =F4AUG7†)	Freshwater with sediment	Fishfarm, Jutland, Denmark, 1997	L. Guardabassi	4	FJ754451		

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Strain	Specimen	Location and year of isolation	Donor	Reference	Accession number		DNA–DNA reassociation
					rpoB	16S rRNA gene	
LUH 5653 (=NIPH 2529)	Blood (human, in)	Leiden, NL, 1999			FJ754453		
LUH 7830 (=NIPH 2536 =V0112205†)	Eye (cat)	Utrecht, NL, 2001	J. Wagenaar		FJ754457		
LUH 4560 (=NIPH 769 =A130d†)	Soil (barley field)	Porthtowan, Cornwall, UK, 1993–4	H. Seifert		FJ754432		
LUH 6980 (=NIPH 2680)	Faeces (human, out)	Leiden, NL, 2000			FJ754461		
NIPH 991 (=LUH 7854)	Ear swab (human, out)	Sedlčany, CZ, 1998	P. Ježek	6	FJ754435		
ANC 3626 (=LUH 13178)	Soil (beech forest)	CZ, 2007	L. Křížová		FJ754429		
LUH 7013 (=NIPH 2681)	Faeces (human, out)	Leiden, NL 2000			FJ754462	FM177775	
CCM 4725 (=NIPH 2408 =LUH 10204)	Raw milk	North Moravia, CZ			FJ754449		

* Strain designation used in the reference publication.

† Strain designation used by the donor.

References

1. **Bouvet, P. J. M. & Grimont, P. A. D. (1986).** Taxonomy of the genus *Acinetobacter* with the recognition of *Acinetobacter baumannii* sp. nov., *Acinetobacter haemolyticus* sp. nov., *Acinetobacter johnsonii* sp. nov., and *Acinetobacter junii* sp. nov. and emended descriptions of *Acinetobacter calcoaceticus* and *Acinetobacter lwoffii*. *Int J Syst Bacteriol* **36**, 228–240. [IJSB Online]

2. **Carr, E. L., Kämpfer, P., Patel, B. K. C., Gürtler, V. & Seviour, R. J. (2003).** Seven novel species of *Acinetobacter* isolated from activated sludge. *Int J Syst Evol Microbiol* **53**, 953–963. Medline

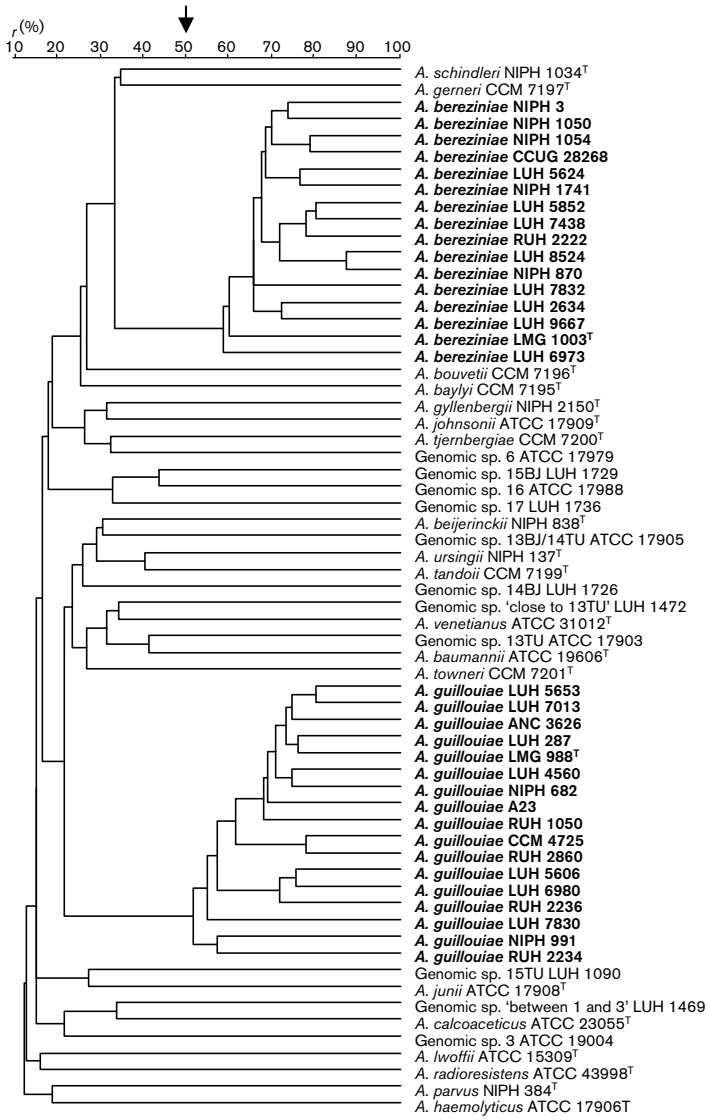
3. **Gerner-Smidt, P., Tjernberg, I. & Ursing, J. (1991).** Reliability of phenotypic tests for identification of *Acinetobacter* species. *J Clin Microbiol* **29**, 277–282. Medline

4. **Guardabassi, L., Dijkshoorn, L., Collard, J.-M., Olsen, J. E. & Dalsgaard, A. (2000).** Distribution and in-vitro transfer of tetracycline resistance determinants in clinical and aquatic *Acinetobacter* strains. *J Med Microbiol* **49**, 929–936. [JMM Online]

5. **Janssen, P., Maquelin, K., Coopman, R., Tjernberg, I., Bouvet, P., Kersters, K. & Dijkshoorn, L. (1997).** Discrimination of *Acinetobacter* genomic species by AFLP fingerprinting. *Int J Syst Bacteriol* **47**, 1179–1187. Medline

6. **Nemec, A., Dijkshoorn, L. & Ježek, P. (2000).** Recognition of two novel phenons of the genus *Acinetobacter* among non-glucose-acidifying isolates from human specimens. *J Clin Microbiol* **38**, 3937–3941. Medline

7. **Tjernberg, I. & Ursing, J. (1989).** Clinical strains of *Acinetobacter* classified by DNA-DNA hybridization. *APMIS* **97**, 595–605. Medline



Supplementary Fig. S1. Dendrogram of cluster analysis of AFLP fingerprints of 16 strains of *Acinetobacter bereziniae* sp. nov., 17 strains of *Acinetobacter guillouiae* sp. nov., and 30 strains representing all known (genomic) species of the genus *Acinetobacter*. AFLP was performed as described by Nemec *et al*. (2001), with the following steps: simultaneous digestion of DNA with two restriction endonucleases (*Eco*RI and *Mse*I) and adapter ligation, PCR with a Cy5-labelled *Eco*RI+A primer and an *Mse*I+C primer (A and C are selective nucleotides), separation of amplified fragments with the ALF Express system (Amersham Biosciences) and cluster analysis of fingerprints with the BioNumerics software release 4.6 (Applied Maths) using Pearson's product moment correlation coefficient (*r*) for similarity calculation and UPGMA for clustering. The arrow indicates the species delineation level.

Reference

Nemec, A., De Baere, T., Tjernberg, I., Vaneechoutte, M., van der Reijden, T. J. K. & Dijkshoorn, L. (2001). *Acinetobacter ursingii* sp. nov. and *Acinetobacter schindleri* sp. nov., isolated from human clinical specimens. *Int J Syst Evol Microbiol* **51**, 1891–1899. Medline

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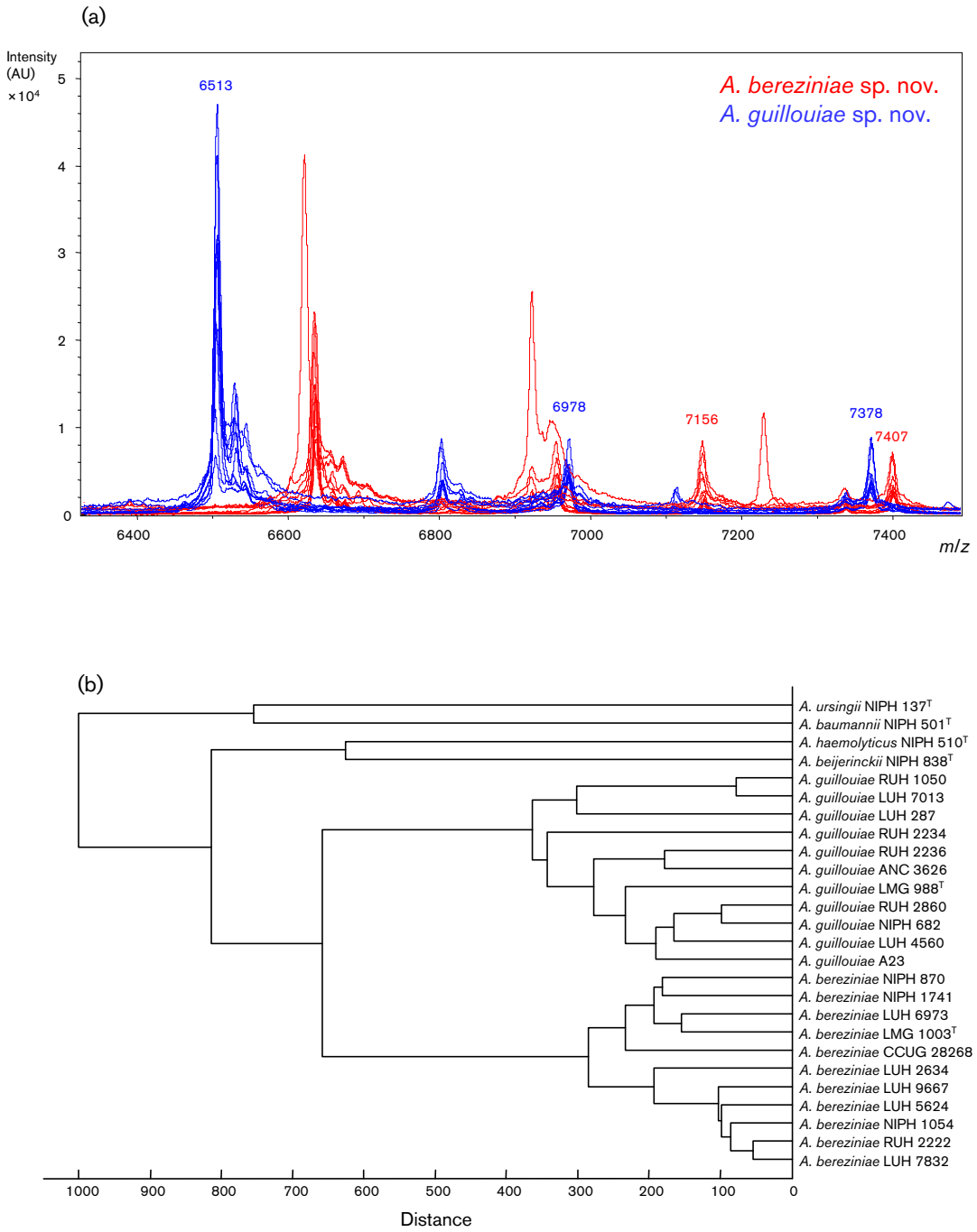
Nemec, A., Musílek, M., Šedo, O., De Baere, T., Maixnerová, M., van der Reijden, T. J. K., Zdráhal, Z., Vaneechoutte, M. & Dijkshoorn, L. (2010). *Acinetobacter bereziniae* sp. nov. and *Acinetobacter guillouiae* sp. nov., to accommodate *Acinetobacter* genomic species 10 and 11, respectively. *Int J Syst Evol Microbiol* **60**, 896–903.



Supplementary Fig. S2. MALDI-TOF MS analysis of strains of *Acinetobacter bereziniae* sp. nov. and *Acinetobacter guillouiae* sp. nov. (a) Segment of MALDI-TOF mass spectra of 11 strains each of *A. bereziniae* sp. nov. and *A. guillouiae* sp. nov., with highlighted peaks characteristic of a particular species. (b) Score-orientated dendrogram derived from MALDI-TOF mass spectra of the these 22 strains and four strains representing other *Acinetobacter* species.

Nemec, A., Musílek, M., Šedo, O., De Baere, T., Maixnerová, M., van der Reijden, T. J. K., Zdráhal, Z., Vaneechoutte, M. & Dijkshoorn, L. (2010). *Acinetobacter bereziniae* sp. nov. and *Acinetobacter guillouiae* sp. nov., to accommodate *Acinetobacter* genomic species 10 and 11, respectively. *Int J Syst Evol Microbiol* **60**, 896–903.