

Table S3. The 55 *Acinetobacter* genomes with misidentified species in NCBI

Strain	Accession number	NCBI species	Precise species	ANI, %
TG31977	GCA_003978795.1	<i>A. baumannii</i>	<i>A. courvalinii</i>	99.86
4300STDY7045758	GCA_900495365.1	<i>A. baumannii</i>	<i>A. nosocomialis</i>	98.05
4300STDY7045696	GCA_900494785.1	<i>A. baumannii</i>	<i>A. nosocomialis</i>	98.04
4300STDY7045796	GCA_900495745.1	<i>A. baumannii</i>	<i>A. nosocomialis</i>	97.98
4300STDY7045717	GCA_900494855.1	<i>A. baumannii</i>	<i>A. nosocomialis</i>	97.8
4300STDY7045734	GCA_900495105.1	<i>A. baumannii</i>	<i>A. nosocomialis</i>	97.79
4300STDY7045890	GCA_900496715.1	<i>A. baumannii</i>	<i>A. nosocomialis</i>	97.78
4300STDY7045889	GCA_900496685.1	<i>A. baumannii</i>	<i>A. nosocomialis</i>	97.67
4300STDY7045887	GCA_900496515.1	<i>A. baumannii</i>	<i>A. pittii</i>	97.05
4300STDY7045719	GCA_900495015.1	<i>A. baumannii</i>	<i>A. pittii</i>	96.98
1	GCA_000805365.1	<i>A. baumannii</i>	<i>A. seifertii</i>	96.89
DE0058	GCA_008764415.1	<i>A. baumannii</i>	<i>A. courvalinii</i>	96.4
WPB103	GCA_003945465.1	<i>A. baumannii</i>	Taxon 45	96.8
SFB21	GCA_902753875.1	<i>A. bouvetii</i>	Taxon 90	100
ANC 3811	GCA_000399665.1	<i>A. calcoaceticus</i>	Taxon 49	100
JUb89	GCA_004345325.1	<i>A. calcoaceticus</i>	Taxon 81	100
GK2	GCA_001510805.1	<i>A. calcoaceticus</i>	Taxon 53	100
<i>A. calcoaceticus</i> str. 2117	GCA_900520355.1	<i>A. calcoaceticus</i>	Taxon 53	96.34
NIPH 1859	GCA_000369765.1	<i>A. colistiniresistens</i>	Taxon 44	100
NCCP 16014	GCA_009884975.1	<i>A. dispersus</i>	Taxon 43	96.83
NCCP 16015	GCA_009884295.1	<i>A. gyllenbergii</i>	<i>A. proteolyticus</i>	97.89
KCRI-45	GCA_900406805.1	<i>A. haemolyticus</i>	Taxon 44	96.51
KCRI-348C	GCA_900406815.1	<i>A. haemolyticus</i>	Taxon 68	100
MII	GCA_000761495.1	<i>A. idrijaensis</i>	<i>A. lwoffii</i>	96.08
AJ-1	GCA_013186005.1	<i>A. johnsonii</i>	Taxon 71	98.51
AJ1	GCA_012371395.1	<i>A. johnsonii</i>	Taxon 71	98.6
ANC 3681	GCA_000368805.1	<i>A. johnsonii</i>	Taxon 42	100
MB44	GCA_001483265.1	<i>A. johnsonii</i>	Taxon 52	100
XBB1	GCA_001484935.1	<i>A. johnsonii</i>	Taxon 52	96.03
LXL_C1	GCA_003335165.1	<i>A. johnsonii</i>	Taxon 52	99.59
AJ_082	GCA_003939325.1	<i>A. johnsonii</i>	Taxon 74	100
AJ_385	GCA_003940285.1	<i>A. johnsonii</i>	Taxon 52	96.1
IC001	GCA_003952785.1	<i>A. johnsonii</i>	Taxon 75	100
M19	GCA_004337595.1	<i>A. johnsonii</i>	Taxon 52	96.39
JH7	GCA_009823385.1	<i>A. johnsonii</i>	Taxon 54	96.11
18QD2AZ57W	GCA_009828985.1	<i>A. johnsonii</i>	Taxon 54	96.2
B23	GCA_012271875.1	<i>A. johnsonii</i>	Taxon 54	96.03
C6	GCA_900162715.1	<i>A. johnsonii</i>	Taxon 42	96
AJ01M	GCA_900199565.1	<i>A. johnsonii</i>	Taxon 52	96.03
TUM15403	GCA_009003975.1	<i>A. oleivorans</i>	Taxon 46	99.77
TUM15548	GCA_009013815.1	<i>A. oleivorans</i>	Taxon 46	96.81
CM11	GCA_000962795.1	<i>A. parvus</i>	<i>A. modestus</i>	96.89
CIT1-2_a	GCA_004152775.1	<i>A. piscicola</i>	Taxon 76	100
AS012629	GCA_010612445.1	<i>A. pittii</i>	<i>A. lactucae</i>	97.69
ANC 4050	GCA_000399685.1	<i>A. pittii</i>	Taxon 48	100
LC510	GCA_001005885.2	<i>A. pittii</i>	Taxon 66	97.05
ABBL016	GCA_001432505.1	<i>A. pittii</i>	Taxon 51	100
PR366	GCA_002137095.1	<i>A. pittii</i>	Taxon 62	100
UBA4954	GCA_002397425.1	<i>A. pittii</i>	Taxon 62	97.52
KCJK7889	GCA_003053325.1	<i>A. pittii</i>	Taxon 66	100
2012N08-034	GCA_003359215.2	<i>A. pittii</i>	Taxon 72	100
SE63	GCA_006965565.1	<i>A. tandoii</i>	Taxon 65	96.14
SC36	GCA_002795165.1	<i>A. tandoii</i>	Taxon 65	100
5-2Ac02	GCA_001758345.1	<i>A. townneri</i>	Taxon 47	97.2
SCsl29	GCA_009822135.1	<i>A. variabilis</i>	Taxon 86	100

