**Table S1 The *rpoB* gene reference strains of *Acinetobacter* used in this study**

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| ***No.*** | ***Acinetobacter species*** | ***GenBank accession no.*** | ***GC content*** |
| 1 | *A.baumannii*\_ATCC17978 | NC\_009085 | 41.74% |
| 2 | *Acinetobactersp.*RUH2624 | NZ\_ACQF00000000 | 41.59% |
| 3 | *A.calcoaceticus\_*SH024 | NZ\_ADCH01000000 | 41.72% |
| 4 | *A.calcoaceticus\_*RUH2202 | NZ\_ACPK01000000 | 41.72% |
| 5 | *Acinetobactersp.\_*NBRC\_100985 | NZ\_BAEB01000000 | 42.09% |
| 6 | *A.parvus\_*DSM16617 | NZ\_AIEB01000000 | 43.24% |
| 7 | *A.haemolyticus*\_ATCC191914 | NZ\_ADMT01000000 | 43.24% |
| 8 | *A.junii\_*SH205 | NZ\_ACPM01000000 | 42.04% |
| 9 | *Acinetobactersp.\_*HA | NZ\_AJXD01000000 | 44.74% |
| 10 | *A.lwoffii\_*WJ10621 | NZ\_AFQY01000000 | 43.76% |
| 11 | *A.johnsonii\_*SH046 | NZ\_ACPL01000000 | 43.64% |
| 12 | *A.ursingii\_*DSM\_16037 | NZ\_AIEA01000000 | 43.59% |
| 13 | *A.lwoffii\_*SH145 | NZ\_ACPN01000000 | 44.76% |
| 14 | *A.bereziniae\_*LMG\_1003 | NZ\_AIEI01000000 | 42.22% |
| 15 | *Acinetobactersp.\_*WC-743 | NZ\_AMFQ01000000 | 42.12% |
| 16 | *Acinetobactersp.\_*P8-3-8 | NZ\_AFIE01000000 | 41.37% |
| 17 | *A.radioresistens\_*DSM\_6976 | NZ\_BAGY01000000 | 45.41% |
| 18 | *Acinetobactersp.\_*NCTC7422 | NZ\_AIED01000000 | 43.88% |
| 19 | *A.oleivorans\_*DR1 | NC\_014259 | 41.18% |
| 20 | *Acinetobacter* baylyi | NC\_005966 | 44.19% |
| 21 | *A.bouvetii\_*DSM\_14964 | NZ\_AREL01000000 | 46.12% |
| 22 | *A.genomosp.*11 | NZ\_KB849456 | 41.92% |
| 23 | *A.gerneristrain\_*DSM\_14967 | NC\_APPN01000000 | 41.38% |
| 24 | *A.tandoii\_*DSM\_14970 | NZ\_AQFM01000000 | 43.34% |
| 25 | *A.tjernbergiae\_*DSM\_14971 | NZ\_ARFU00000000 | 42.31% |
| 26 | *A.towneri\_*DSM\_14962 | NZ\_APPY01000000 | 44.71% |
| 27 | *A.venetianus\_*RAG\_1 | NZ\_AKIQ01000000 | 42.30% |
| 28 | *A.genomosp.13\_*NCTC8102 | NZ\_AIEJ01000000 | 41.67% |
| 29 | *A.pittii\_*D499 | NZ\_AGFH01000000 | 41.87% |
| 30 | *A.schindleri\_*TG19614 | NZ\_AMJK01000000 | 44.75% |
| 31 | *A.soli\_*CIP\_110264 | NC\_APPU01000000 | 46.42% |
| 32 | *A.grimontii\_*CIP07470 | DQ207483 | 41.97% |
| 33 | *A.baumanii\_*NCTC10304 | NZ\_AIEE01000087 | 41.77% |
| 34 | *A.baumanii\_*307-0294 | NC\_011595 | 41.70% |
| 35 | *A.baumanii\_*1656-2 | NC\_017162 | 41.63% |
| 36 | *A.baumanii\_*MDR-TJ | NC\_017847 | 41.67% |
| 37 | *A.baumanii\_*MDR-ZJ06 | NC\_017171 | 41.67% |
| 38 | *A.baumanii\_*TYTH-1 | NC\_018706 | 41.67% |
| 39 | *A.baumannii\_*ACICU\_uid58765 | NC\_010605 | 41.69% |
| 40 | *A.baumannii\_*AB0057 | NC\_011586 | 41.82% |
| 41. | *A.baumannii\_*AYE\_uid61637 | NC\_010410 | 41.82% |
| 42 | *A.baumannii\_*BJAB0715 | NC\_021733 | 41.82% |
| 43 | *A.baumannii\_*BJAB0868 | NC\_021729 | 41.69% |
| 44 | *A.baumannii\_*BJAB07104 | NC\_021726 | 41.69% |
| 45 | *A.baumannii\_*D1279779 | NC\_020547 | 41.77% |
| 46 | *A.baumannii\_*SDF | NC\_010400 | 41.67% |
| 47 | *A.baumannii\_*TCDC-AB0715 | NC\_017387 | 41.69% |
| 48 | *A.baumannii\_*ZW85 | NC\_017387 | 41.77% |
| 49 | *A.genomosp.*13TU | NZ\_AIEJ01000035 | 41.69% |
| 50 | *A.nosocomialis\_*28F | NZ\_CBSD020000001 | 41.57% |
| 51 | *A.nosocomialis\_*M2c\_7 | NZ\_AWOW01000009 | 41.74% |
| 52 | *A.nosocomialis\_*NIPH-386 | NZ\_APPP01000003 | 41.59% |
| 53 | *A.nosocomialis\_*NIPH2119 | NZ\_APOP01000014 | 41.69% |
| 54 | *A.nosocomialis\_*TG19596 | NZ\_AMIZ01000046 | 40.99% |
| 55 | *A.nosocomialis\_*TG21145 | NZ\_AMJH01000014 | 41.69% |