

Table S1. Bacterial strains and plasmids used in this study

| Strain or plasmid | Genotype or relevant characteristics ^a | Source or reference |
|---------------------------|--|---------------------|
| Strains | | |
| <i>E. coli</i> | | |
| DH5α | F ⁺ , φ80 <i>lacZ</i> ΔM15 Δ(<i>lacZYA-argF</i>)U169 <i>deoR recA1 endA1 hsdR17</i> (rK ⁻ , mK ⁺) <i>phoA supE44 λ⁻ thi-1</i> | Invitrogen |
| CC118 λ-pir | Δ(<i>ara-leu</i>) <i>araD</i> Δ <i>lacX74 galE galK phoA20 thi-1 rpsE rpoB argE(Am) recA1 λ pir</i> | (3) |
| S17.1 λ-pir | <i>hsdR recA pro</i> RP4-2 (Tc::Mu; Km::Tn7)(λ <i>pir</i>) | (9) |
| <i>A. baumannii</i> | | |
| A424 | Clinical isolate | QMC ^a |
| A473 | Clinical isolate | (7) |
| ATCC 19606 | Clinical isolate | SGSC ^a |
| Plasmids | | |
| pGEM [®] -T Easy | Cloning vector; Ap ^r | Promega |
| pUC18R6KminiTn7T-Gm | Ap ^r ; source of Gm ^r cassette | (1) |
| pISAbal1 | 1.7 kb fragment containing entire <i>ISAbal1</i> inserted into pGEM [®] -T Easy | This study |
| pISAbal1Gm | <i>aacC1</i> cassette inserted downstream of <i>ISAbal1</i> into pISAbal1 | This study |
| pDS132 | Suicide vector, R6K <i>ori</i> , <i>mobRP4</i> , <i>cat</i> , <i>sacB</i> | (5) |
| pDISAbal1Gm | <i>aacC1</i> -tagged <i>ISAbal1</i> inserted into pDS132 | This study |

^a Abbreviations: QMC, Queen's Medical Centre, Nottingham; SGSC, *Salmonella* Genetic Stock Centre; Ap^r, ampicillin resistance; Gm^r, gentamicin resistance.

Table S2. ISAba11 and TnAbaR PCR survey results for the 148 strains representative of ≥19 Acinetobacter species investigated experimentally in this study

| Strain | Species | <i>tnp</i> _{ISAba11} ^a | ISAba11 ^a | <i>tniA</i> ^a | <i>rpoB</i> ^a |
|--------|---------------------|--|----------------------|--------------------------|--------------------------|
| A1 | <i>A. baumannii</i> | - | - | + | + |
| A13 | <i>A. baumannii</i> | - | - | - | + |
| A14 | <i>A. baumannii</i> | - | - | + | + |
| A20 | <i>A. baumannii</i> | - | - | - | + |
| A25 | <i>A. baumannii</i> | - | - | + | + |
| A37 | <i>A. baumannii</i> | - | - | - | + |
| A47 | <i>A. baumannii</i> | - | - | + | ND |
| A52 | <i>A. baumannii</i> | - | - | - | ND |
| A63 | <i>A. baumannii</i> | - | - | + | + |
| A92 | <i>A. baumannii</i> | - | - | - | + |
| A94 | <i>A. baumannii</i> | - | - | - | + |
| A97 | <i>A. baumannii</i> | - | - | - | + |
| A167 | <i>A. baumannii</i> | - | - | - | + |
| A186 | <i>A. baumannii</i> | - | - | + | ND |
| A187 | <i>A. baumannii</i> | - | - | - | ND |
| A230 | <i>A. baumannii</i> | - | - | + | ND |
| A329 | <i>A. baumannii</i> | - | - | - | ND |
| A335 | <i>A. baumannii</i> | - | - | + | ND |
| A343 | <i>A. baumannii</i> | - | - | + | ND |
| A365 | <i>A. baumannii</i> | - | - | + | ND |
| A367 | <i>A. baumannii</i> | - | - | - | ND |
| A297 | <i>A. baumannii</i> | - | - | + | + |
| A332 | <i>A. baumannii</i> | - | - | + | + |
| A369 | <i>A. baumannii</i> | - | - | + | + |
| A371 | <i>A. baumannii</i> | - | - | + | + |
| A377 | <i>A. baumannii</i> | - | - | - | + |
| A379 | <i>A. baumannii</i> | - | - | - | ND |
| A380 | <i>A. baumannii</i> | - | - | + | ND |
| A384 | <i>A. baumannii</i> | - | - | + | + |
| A387 | <i>A. baumannii</i> | - | - | + | + |
| A388 | <i>A. baumannii</i> | - | - | + | + |
| A390 | <i>A. baumannii</i> | - | - | + | ND |
| A392 | <i>A. baumannii</i> | - | - | + | + |
| A397 | <i>A. baumannii</i> | - | - | - | ND |
| A401 | <i>A. baumannii</i> | - | - | - | + |
| A418 | <i>A. baumannii</i> | - | - | + | + |
| A424 | <i>A. baumannii</i> | - | - | + | + |
| A442 | <i>A. baumannii</i> | - | - | + | + |
| A443 | <i>A. baumannii</i> | - | - | + | + |
| A457 | <i>A. baumannii</i> | - | - | - | + |
| A472 | <i>A. baumannii</i> | - | - | + | + |
| A473 | <i>A. baumannii</i> | + | + | + | + |
| A474 | <i>A. baumannii</i> | - | - | + | ND |
| A479 | <i>A. baumannii</i> | + | - | - | ND |
| A480 | <i>A. baumannii</i> | - | - | + | ND |

| | | | | | |
|--------|---|---|---|---|----|
| A481 | <i>A. baumannii</i> | - | - | - | ND |
| A482 | <i>A. baumannii</i> | - | - | + | ND |
| AB13 | <i>A. baumannii</i> | - | - | + | ND |
| AB14 | <i>A. baumannii</i> | - | - | + | ND |
| AS15 | <i>A. baumannii</i> | - | - | + | ND |
| AB16 | <i>A. baumannii</i> | - | - | + | ND |
| AB17 | <i>A. baumannii</i> | - | - | + | ND |
| AB18 | <i>A. baumannii</i> | - | - | - | ND |
| AB20 | <i>A. baumannii</i> | - | - | + | + |
| AS20 | <i>A. baumannii</i> | - | - | + | + |
| AB21 | <i>A. baumannii</i> | - | - | + | ND |
| AB22 | <i>A. baumannii</i> | - | - | + | ND |
| AL7 | <i>A. baumannii</i> | + | - | - | + |
| AS27 | <i>A. baumannii</i> | - | - | - | + |
| AS42 | <i>A. baumannii</i> | + | + | - | + |
| KR1774 | <i>A. baumannii</i> | - | - | - | + |
| AS44 | <i>A. baumannii</i> | - | - | - | + |
| KR175 | <i>A. baumannii</i> | - | - | + | + |
| AS45 | <i>A. baumannii</i> | - | - | - | + |
| HPA10 | <i>A. bayli</i> / <i>A. genomospecies 11</i> | - | - | - | + |
| HPA16 | <i>A. bayli</i> / <i>A. genomospecies 11</i> | - | - | - | + |
| HPA22 | <i>A. berezinae</i> | - | - | - | + |
| HPA26 | <i>A. berezinae</i> | - | - | - | + |
| HPA3 | <i>A. beijerinckii</i> | + | + | - | + |
| HPA21 | <i>A. calcoaceticus</i> | - | - | - | + |
| HPA18 | <i>A. genomospecies 13</i> | - | - | - | + |
| HPA23 | <i>A. genomospecies 13</i> | + | + | - | + |
| HPA1 | <i>A. genomospecies 16</i> | - | - | - | + |
| AS46 | <i>A. genomospecies 15TU</i> | + | + | + | + |
| AS47 | <i>A. genomospecies 15TU</i> | + | + | - | + |
| HPA8 | <i>A. genomospecies 15TU</i> | + | + | - | + |
| HPA11 | <i>A. gyllenbergii</i> | + | + | - | + |
| HPA29 | <i>A. haemolyticus</i> | - | - | - | + |
| HPA30 | <i>A. haemolyticus</i> | + | - | - | + |
| HPA34 | <i>A. haemolyticus</i> | + | - | - | + |
| AL1 | <i>A. johnsonii</i> | + | + | - | + |
| AS24 | <i>A. johnsonii</i> | + | + | - | + |
| HPA6 | <i>A. johnsonii</i> | - | - | - | + |
| HPA14 | <i>A. johnsonii</i> | + | + | - | + |
| HPA17 | <i>A. johnsonii</i> | + | + | - | + |
| HPA28 | <i>A. johnsonii</i> | + | + | - | + |
| AJ11 | <i>A. junii</i> | + | + | - | + |
| AJ30 | <i>A. junii</i> | + | + | - | + |
| AJ31 | <i>A. junii</i> | + | + | + | + |
| AJ33 | <i>A. junii</i> | + | + | - | + |
| AJ34 | <i>A. junii</i> | + | + | - | + |
| AJ35 | <i>A. junii</i> | + | + | + | + |
| HPA7 | <i>A. junii</i> | + | + | - | + |
| HPA19 | <i>A. junii</i> | + | + | - | + |
| AB3 | <i>A. lwoffii</i> / <i>A. genomospecies 9</i> | + | + | - | + |

| | | | | | |
|--------|---------------------------------------|---|---|---|----|
| AL2 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| AL5 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| AL6 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| AL27 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | ND |
| AL23 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| AS10 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| AS25 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| AS27 | <i>A. lwoffii</i> /A. genomospecies 9 | - | - | - | + |
| AS28 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | + | + |
| AS38 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | + | + |
| AS43 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| AS48 | <i>A. lwoffii</i> /A. genomospecies 9 | + | - | + | ND |
| AS49 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| AS50 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| AS51 | <i>A. lwoffii</i> /A. genomospecies 9 | - | - | - | ND |
| AS52 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | + | + |
| AS53 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| AS54 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| AS55 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | + | + |
| AS56 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| AS57 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| AS58 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| AS59 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| KR1773 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| KR1776 | <i>A. lwoffii</i> /A. genomospecies 9 | - | - | - | + |
| AS61 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| HPA12 | <i>A. lwoffii</i> /A. genomospecies 9 | + | + | - | + |
| HPA13 | <i>A. lwoffii</i> /A. genomospecies 9 | + | - | + | + |
| HPA4 | <i>A. nosocomialis</i> sp. nov. | - | - | - | + |
| HPA27 | <i>A. nosocomialis</i> sp. nov. | - | - | - | + |
| AL40 | <i>A. parvus</i> | + | + | - | + |
| AS62 | <i>A. parvus</i> | + | + | - | + |
| AS63 | <i>A. parvus</i> | - | - | - | + |
| A164 | <i>A. pittii</i> sp. nov. | - | - | - | + |
| A215 | <i>A. pittii</i> sp. nov. | - | - | - | + |
| A376 | <i>A. pittii</i> sp. nov. | - | - | - | + |
| AB8 | <i>A. pittii</i> sp. nov. | - | - | + | + |
| AB12 | <i>A. pittii</i> sp. nov. | - | - | - | + |
| HPA5 | <i>A. pittii</i> sp. nov. | - | - | - | + |
| HPA32 | <i>A. pittii</i> sp. nov. | - | - | - | + |
| AS64 | <i>A. radioresistens</i> | - | - | + | + |
| HPA2 | <i>A. radioresistens</i> | - | - | - | + |
| HPA33 | <i>A. radioresistens</i> | + | + | - | + |
| AS65 | <i>A. schindleri</i> | + | - | + | + |
| HPA20 | <i>A. schindleri</i> | - | - | - | + |
| HPA31 | <i>A. schindleri</i> | - | - | - | + |
| AS26 | <i>A. ursingii</i> | + | + | - | + |
| HPA25A | <i>A. ursingii</i> | - | - | - | + |
| HPA15 | <i>A. ursingii</i> | - | - | - | + |
| HPA9 | <i>A. ursingii</i> | - | - | - | + |

| | | | | | |
|--------|--------------------------|---|---|---|---|
| AS4 | <i>A. ursingii</i> group | - | - | - | + |
| AS39 | <i>A. ursingii</i> group | - | - | + | + |
| KR1778 | <i>A. ursingii</i> group | - | - | - | + |

^a The following PCR primers were used: *tnp*_{ISAb_a11}, tnp-F/tnp-R; ISAb_a11, ISAb_a11-F/ISAb_a11-R; *tniA*, tniAF/tniA; *rpoB*, Ac696F/Ac1093R. The *tnp*_{ISAb_a11}-primers amplify a 300 bp internal segment of ISAb_a11, while the ISAb_a11-primers amplify the entire 1101 bp element. *rpoB* PCR amplicons were sequenced to inform about speciation. ND, not done.

Table S3. IS*Aba11* and Tn*AbaR* PCR survey results for the 48 genome sequences representative of ≥ 9 *Acinetobacter* species investigated by BlastN and *in silico* PCR analysis in this study

| Strain | Species | <i>tnp</i> _{IS<i>Aba11</i>} ^a | IS <i>Aba11</i> ^a | <i>tniA</i> ^a | Genome status | GenBank accession no. |
|-------------|--------------------------------------|---|------------------------------|--------------------------|---------------|-----------------------|
| 1656-2 | <i>A. baumannii</i> | - | - | + | assembled | CP001921 |
| 3909 | <i>A. baumannii</i> | - | - | - | not assembled | AEOZ00000000 |
| 3990 | <i>A. baumannii</i> | - | - | - | not assembled | AEOY00000000 |
| 4190 | <i>A. baumannii</i> | - | - | - | not assembled | AEPA00000000 |
| 6013113 | <i>A. baumannii</i> | + | - | - | not assembled | ACYR02000038 |
| 6014059 | <i>A. baumannii</i> | - | - | + | not assembled | ACYS02000127 |
| A118 | <i>A. baumannii</i> | - | - | - | not assembled | AEOW00000000 |
| AB0057 | <i>A. baumannii</i> | - | - | + | assembled | CP001182 |
| AB056 | <i>A. baumannii</i> | - | - | + | not assembled | ADGZ01000825 |
| AB058 | <i>A. baumannii</i> | - | - | + | not assembled | ADHA01000065 |
| AB059 | <i>A. baumannii</i> | - | - | + | not assembled | ADHB01000787 |
| AB210 | <i>A. baumannii</i> | - | - | + | not assembled | AEOX01000067 |
| AB307-0294 | <i>A. baumannii</i> | - | - | - | assembled | CP001172 |
| AB900 | <i>A. baumannii</i> | - | - | - | not assembled | ABXK00000000 |
| ABNIH1 | <i>A. baumannii</i> | - | - | - | not assembled | AFSZ00000000 |
| ABNIH2 | <i>A. baumannii</i> | - | - | + | not assembled | AFTA01000065 |
| ABNIH3 | <i>A. baumannii</i> | - | - | + | not assembled | AFTB01000233 |
| ABNIH4 | <i>A. baumannii</i> | - | - | - | not assembled | AFTC00000000 |
| ACICU | <i>A. baumannii</i> | - | - | - | assembled | CP000863 |
| ATCC 17978 | <i>A. baumannii</i> | + | + | + | not assembled | CP000521 |
| ATCC 19606 | <i>A. baumannii</i> | + | + | - | not assembled | ACQB00000000 |
| AYE | <i>A. baumannii</i> | - | - | + | assembled | CU459141 |
| D1279779 | <i>A. baumannii</i> | - | - | - | not assembled | AERZ00000000 |
| DR1 | <i>A. baumannii</i> | - | - | - | assembled | CP002080 |
| MDR-TJ | <i>A. baumannii</i> | - | - | + | assembled | AEOE01000001 |
| MDR-ZJ06 | <i>A. baumannii</i> | - | - | + | assembled | CP001937 |
| Naval-18 | <i>A. baumannii</i> | - | - | + | assembled | AFDA01000030 |
| Naval-81 | <i>A. baumannii</i> | - | - | - | not assembled | AFDB00000000 |
| OIFC032 | <i>A. baumannii</i> | - | - | + | not assembled | AFCZ01000012 |
| SDF | <i>A. baumannii</i> | - | - | - | assembled | CU468230 |
| TCDC-AB0715 | <i>A. baumannii</i> | - | - | + | assembled | CP002522 |
| UMB001 | <i>A. baumannii</i> | - | - | - | not assembled | AEBK00000000 |
| UMB002 | <i>A. baumannii</i> | - | - | - | not assembled | AEBL00000000 |
| UMB003 | <i>A. baumannii</i> | - | - | - | not assembled | AEBM00000000 |
| WM99c | <i>A. baumannii</i> | - | - | + | not assembled | AERY01000108 |
| PHEA-2 | <i>A. calcoaceticus</i> | - | - | - | assembled | CP002177 |
| RUH2202 | <i>A. calcoaceticus</i> | - | - | - | not assembled | ABCK00000000 |
| ATCC 19194 | <i>A. haemolyticus</i> | + | - | - | not assembled | ADMT01000000 |
| ATCC 27244 | <i>A. haemolyticus</i> | + | - | - | not assembled | ABYN01000000 |
| ADP1 | <i>A. johnsonii</i> | - | - | - | assembled | CR543861 |
| SH046 | <i>A. johnsonii</i> | + | - | - | not assembled | ACPL01000000 |
| SH205 | <i>A. junii</i> | - | - | - | not assembled | ACPM00000000 |
| SH145 | <i>A. lwoffii/A. genomospecies 9</i> | + | + | - | not assembled | ACPN01000000 |
| WJ10621 | <i>A. lwoffii/A. genomospecies 9</i> | + | + | - | not assembled | AFQY01000001 |
| SH024 | <i>A. pittii</i> sp. nov. | - | - | - | not assembled | ADCH00000000 |
| RUH2624 | <i>A. nosocomialis</i> sp. nov. | - | - | - | not assembled | ACQF00000000 |
| SH164 | <i>A. radioresistens</i> | - | - | - | not assembled | ACPO00000000 |
| SK82 | <i>A. radioresistens</i> | - | - | - | not assembled | ACVR00000000 |

^a The following PCR primers were used: *tnp*_{IS*Aba11*}, *tnp*-F/*tnp*-R; IS*Aba11*, IS*Aba11*-F/ IS*Aba11*-R; *tniA*, *tniA*F/*tniA*R.

Table S4. Primers used in this study

| Name | Sequence 5'-3' | Source | Target (Purpose) |
|-------------|---|----------------------|-------------------------------------|
| tniA-R2 | CGAAGACGACAGCAGGTACA | This study | <i>tniA</i> junction |
| tnp-F | CAAAGATCCCCTCAAACCTGG | This study | <i>tnp_{ISAbal1}</i> |
| tnp-R | ATCAGGGTCAAGTGGTCTGG | This study | |
| orf1-F | GTTTGAATCGACCCCTTGAGC | This study | Tn <i>AbaR orf1</i> |
| orf1-R | CCCTCATAACCGACAACCAC | This study | |
| Gm-F-BamHI | CG GGATCC GAATTAGCTTCAAAGCGCTCTGA ^a | This study | <i>aacC1</i> cassette |
| Gm-R-BamHI | CG GGATCC GAATTGGGGATCTTGAAGTTCCT ^a | This study | |
| ISAbal1-F | TAGGACTTACGCATTGACG | This study | IS <i>Abal1</i> |
| ISAbal1-R | TAGGACTTACGCACTATCATTAT | This study | |
| ISAbal1-InF | CG GGATCC TCATTTATAGATTCTCTGTGGTAGC ^a | This study | pDSIS <i>Abal1</i> (inverse-PCR) |
| ISAbal1-InR | CG GGATCC AGTGCCTAAGTCTACATATAATC ^a | This study | |
| DFISAbal1-1 | GTAGGCCATCAAGGCTGAAA | This study | IS <i>Abal1</i> (walking) |
| DFISAbal1-2 | GGCAAGTTGTGTGCAGCTAA | This study | |
| pDS-F | GGAACACTTAACGGCTGAC | This study | pDS junctions |
| pDS-R | GGATCGATCCTCTCAGAGTC | This study | |
| sacB-F | CGGCATTTTCTTTTGCCTTT | Kochar <i>et al.</i> | <i>sacB</i> |
| sacB-R | AGGAACCTCAAGATCCCCAATTCGTCTTTAGGCC CGTAGTCTGC | Kochar <i>et al.</i> | |
| 4R | AATCGATGCGGTCGAGTAAC | (8) | <i>comM</i> junction |
| aacC1F | GACATAAGCCTGTTTCGGTT | (4) | <i>aacC1</i> |
| aacC1R | CTCCGAACCTCACGACCGA | (4) | |
| oxa51a | CTAATAATTGATCTACTCAAG | (6) | <i>bla_{OXA-51-like}</i> |
| oxa51b | CCAGTGGATGGATGGATAGATTATC | (6) | |
| Ac696F | TAYCGYAAAGAYTTGAAAGAAG | (2) | <i>rpoB</i> |
| Ac1093R | CMACACCYTTGTTMCCRTGA | (2) | |
| tniAF | CATCCCCAATCGTTAAATGG | (7) | <i>tniA</i> |
| tniAR | TTTTCTTTTRCGCTTTCGAT | (7) | |

^a Residues shown in bold correspond to primer-incorporated *Bam*HI sites.

Table S5. Results of genomic walking analysis on eleven IS*Aba11*-positive *Acinetobacter* spp. strains ^a

| GenBank accession no. ^b | Species | Strain | TIR ^c | Length of non-IS <i>Aba11</i> sequence | Target gene (site) /protein | Species (strain) | GenBank ID | Identity BlastX | Identity BlastN |
|---------------------------------------|----------------------------|------------|------------------|--|--|---------------------------------------|--------------|-----------------|-----------------|
| JN819186 | <i>A. baumannii</i> | ATCC 19606 | IRL | 699 bp | Upstream of HMPREF0010_03298/ hypothetical protein | <i>A. baumannii</i> ATCC 19606 | EEX02178 | 99% | 99% |
| JN819187 | <i>A. baumannii</i> | ATCC 19606 | IRR | 232 bp | Upstream of HMPREF0010_03297/ phospholipase C | <i>A. baumannii</i> ATCC 19606 | ZP_05829914 | 97% | 98% |
| JN819188 | <i>A. baumannii</i> | A479 | IRL | 792 bp | IS <i>Aba1</i> | <i>A. baumannii</i> AYE | YP_001712482 | 100% | 100% |
| JN819189 | <i>A. baumannii</i> | A479 | IRR | 549 bp | AB57_3457/enoyl-CoA hydratase | <i>A. baumannii</i> AYE | YP_002320761 | 98% | 99% |
| JN819190 | <i>A. junii</i> | AJ11 | IRL | 802 bp | Upstream of HMPREF0026_01257/ hypothetical protein | <i>A. junii</i> SH206 | EEY93981 | 100% | 100% |
| JN819191 | <i>A. lwoffii/A. gs. 9</i> | AL1 | IRL | 256 bp | Upstream of HMPREF0017_01038/ quinone oxidoreductase | <i>A. lwoffii/A. gs. 9</i> SH145 | EEY90112 | 100% | 100% |
| JN819193 | <i>A. lwoffii/A. gs. 9</i> | AL2 | IRR | 368 bp | Upstream of HMPREF0017_02635/ sulfite reductase | <i>A. lwoffii/A. gs. 9</i> SH145 | EEY88689 | 100% | 100% |
| JN819192 | <i>A. lwoffii/A. gs. 9</i> | AL2 | IRL | 557 bp | HMPREF0017_02339 /membrane protein | <i>A. lwoffii/A. gs. 9</i> SH145 | EEY89069 | 97% | 90% |
| JN819194 | <i>A. lwoffii/A. gs. 9</i> | AL5 | IRR | 308 bp | HMPREF0026_02009/ transposase | <i>A. junii</i> SH205 | ZP_06066902 | 98% | 97% |
| JN819195 | <i>A. lwoffii/A. gs. 9</i> | AL5 | IRL | 536 bp | HMPREF0017_01092/ esterase | <i>A. lwoffii/A. gs. 9</i> SH145 | EEY90166 | 96% | 97% |
| JN819198 | <i>A. lwoffii/A. gs. 9</i> | AS25 | IRL | 135 bp | NA | <i>A. lwoffii/A. gs. 9</i> WJ10621 | AFQY01000001 | NA | 95% |
| JN819196 | <i>A. lwoffii/A. gs. 9</i> | AS10 | IRR | 472 bp | Downstream of HMPREF0017_00131/ phosphate acetyltransferase | <i>A. lwoffii/A. gs. 9</i> SH145 | EEY91118 | 99% | 90% |
| JN819197 | <i>A. lwoffii/A. gs. 9</i> | AS10 | IRL | 368 bp | HMPREF0017_01411/ RNA helicase | <i>A. lwoffii/A. gs. 9</i> SH145 | EEY89994 | 98% | 92% |

| | | | | | | | | | |
|----------|---------------------|----------|----------|---------|--|---------------------------------|-----------|------|------|
| JN819199 | <i>A. baumannii</i> | A424-BR3 | IRR, IRL | 678 bp | pMMA2_02/TonB-dependent receptor | <i>A. baumannii</i> AYE | ACV72167 | 98% | 100% |
| JN819200 | <i>A. baumannii</i> | A424-BR2 | IRR, IRL | 1717 bp | Downstream of ABAYE2100/ ABC efflux protein | <i>A. baumannii</i> AYE | CAM86974 | 100% | 100% |
| JN819201 | <i>A. baumannii</i> | A424-BR1 | IRR, IRL | 1502 bp | Upstream of FG00266.1/ hypothetical protein | <i>Gibbersella zeae</i> PH-1 | XP_380442 | 26% | NS |

^a NA, not applicable; NS, not significant; gs., genomospecies. ^b Genomic walking sequence data generated in this study has been deposited with GenBank and is available via the accession numbers listed. ^c Flanking sequence data was generated for the TIR end shown.

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