

Table S1. The antibiotics used for the disk diffusion assay and inhibition zone diameters of strain Jade-X in the presence/absence of BAC

| Sensitivity                 | No. | Name             | Concentration/<br>slice | Abbreviation | Plate 1<br>(cm) | Plate 2<br>(cm) | Plate 3<br>(cm) | Average<br>(cm) | ±    |
|-----------------------------|-----|------------------|-------------------------|--------------|-----------------|-----------------|-----------------|-----------------|------|
| Increase                    | 1   | ciprofloxacin    | 5 µg                    | CIP(+)       | 2.4             | 2.2             | 2.0             | 2.20            | 0.16 |
|                             |     |                  |                         | CIP          | 3               | 2.8             | 2.9             | 2.90            | 0.08 |
|                             | 2   | levofloxacin     | 5 µg                    | LEV(+)       | 1.7             | 1.8             | 1.8             | 1.77            | 0.05 |
|                             |     |                  |                         | LEV          | 2.3             | 2.5             | 1.9             | 2.23            | 0.25 |
|                             | 3   | tetracycline     | 30 µg                   | TET(+)       | 0.7             | 0.9             | 0.8             | 0.80            | 0.08 |
|                             |     |                  |                         | TET          | 0.9             | 1.1             | 1.3             | 1.10            | 0.16 |
|                             | 4   | norfloxacin      | 10 µg                   | NOR(+)       | 1.6             | 1.6             | 1.7             | 1.63            | 0.05 |
|                             |     |                  |                         | NOR          | 2.5             | 2.4             | 2.3             | 2.40            | 0.08 |
| Decrease                    | 5   | ceftriaxone      | 30 µg                   | CTR(+)       | 1.7             | 1.8             | 2               | 1.83            | 0.12 |
|                             |     |                  |                         | CTR          | 1.4             | 1.5             | 1.5             | 1.47            | 0.05 |
|                             | 6   | polymyxin B      | 300 IU                  | PB(+)        | 2.1             | 2               | 1.8             | 1.97            | 0.12 |
|                             |     |                  |                         | PB           | 1.6             | 1.5             | 1.4             | 1.50            | 0.08 |
| No influence                | 7   | imipenem         | 10 µg                   | IPM(+)       | 2.1             | 2               | 2.1             | 2.07            | 0.05 |
|                             |     |                  |                         | IPM          | 2               | 2.1             | 2.0             | 2.03            | 0.05 |
|                             | 8   | piperacillin     | 100 µg                  | PIP(+)       | 2.7             | 2.4             | 2.8             | 2.63            | 0.17 |
|                             |     |                  |                         | PIP          | 2.8             | 2.5             | 2.4             | 2.57            | 0.17 |
|                             | 9   | gentamicin       | 10 µg                   | GEN(+)       | 1.3             | 1.1             | 1.2             | 1.20            | 0.08 |
|                             |     |                  |                         | GEN          | 1.1             | 1.2             | 1.2             | 1.17            | 0.05 |
|                             | 10  | cefoperazone     | 75 µg                   | CPZ(+)       | 2.2             | 2.0             | 2.0             | 2.07            | 0.09 |
|                             |     |                  |                         | CPZ          | 2               | 2               | 2.3             | 2.10            | 0.14 |
|                             | 11  | doxycycline      | 30 µg                   | DO(+)        | 1.4             | 1.5             | 0.7             | 1.20            | 0.36 |
|                             |     |                  |                         | DO           | 1.3             | 1               | 1.3             | 1.20            | 0.14 |
|                             | 12  | ceftazidime      | 30 µg                   | CAZ(+)       | 2.5             | 2.6             | 2.7             | 2.60            | 0.08 |
|                             |     |                  |                         | CAZ          | 2.4             | 2.6             | 2.5             | 2.50            | 0.08 |
|                             | 13  | minocycline      | 30 µg                   | MI(+)        | 1.3             | 1.5             | 1.1             | 1.30            | 0.16 |
|                             |     |                  |                         | MI           | 1.2             | 1.3             | 1.2             | 1.23            | 0.05 |
|                             | 14  | amikacin         | 30 µg                   | AMK(+)       | 1.5             | 1.6             | 1.6             | 1.57            | 0.05 |
|                             |     |                  |                         | AMK          | 1.5             | 1.7             | 1.4             | 1.53            | 0.12 |
| No inhibitory zone diameter | 15  | oxacillin        | 1 µg                    | OX(+)        | 0               | 0               | 0               | 0               | 0    |
|                             |     |                  |                         | OX           | 0               | 0               | 0               | 0               | 0    |
|                             | 16  | florfenicol      | 30 µg                   | FFC(+)       | 0               | 0               | 0               | 0               | 0    |
|                             |     |                  |                         | FFC          | 0               | 0               | 0               | 0               | 0    |
|                             | 17  | azithromycin     | 15 µg                   | AZI(+)       | 0               | 0               | 0               | 0               | 0    |
|                             |     |                  |                         | AZI          | 0               | 0               | 0               | 0               | 0    |
|                             | 18  | sulfamethoxazole | 25 µg                   | SXT(+)       | 0               | 0               | 0               | 0               | 0    |
|                             |     |                  |                         | SXT          | 0               | 0               | 0               | 0               | 0    |
|                             | 19  | clindamycin      | 2 µg                    | CC(+)        | 0               | 0               | 0               | 0               | 0    |

|    |                   |       |        |   |   |   |   |   |
|----|-------------------|-------|--------|---|---|---|---|---|
|    |                   |       | CC     | 0 | 0 | 0 | 0 | 0 |
| 20 | chloramphenicol   | 30 µg | C(+)   | 0 | 0 | 0 | 0 | 0 |
|    |                   |       | C      | 0 | 0 | 0 | 0 | 0 |
| 21 | cefazolin         | 30 µg | CZ(+)  | 0 | 0 | 0 | 0 | 0 |
|    |                   |       | CCC    | 0 | 0 | 0 | 0 | 0 |
| 22 | ampicillin        | 10 µg | AMP(+) | 0 | 0 | 0 | 0 | 0 |
|    |                   |       | AMP    | 0 | 0 | 0 | 0 | 0 |
| 23 | kanamycin         | 30 µg | KAN(+) | 0 | 0 | 0 | 0 | 0 |
|    |                   |       | KAN    | 0 | 0 | 0 | 0 | 0 |
| 24 | penicillin        | 10 U  | PEN(+) | 0 | 0 | 0 | 0 | 0 |
|    |                   |       | PEN    | 0 | 0 | 0 | 0 | 0 |
| 25 | streptomycin      | 10 µg | S(+)   | 0 | 0 | 0 | 0 | 0 |
|    |                   |       | S      | 0 | 0 | 0 | 0 | 0 |
| 26 | erythrocin        | 15 µg | E(+)   | 0 | 0 | 0 | 0 | 0 |
|    |                   |       | E      | 0 | 0 | 0 | 0 | 0 |
| 27 | cefuroxime sodium | 30 µg | CXM(+) | 0 | 0 | 0 | 0 | 0 |
|    |                   |       | CXM    | 0 | 0 | 0 | 0 | 0 |
| 28 | lincomycin        | 2 µg  | MY(+)  | 0 | 0 | 0 | 0 | 0 |
|    |                   |       | MY     | 0 | 0 | 0 | 0 | 0 |
| 29 | cefalexin         | 30 µg | CN(+)  | 0 | 0 | 0 | 0 | 0 |
|    |                   |       | CN     | 0 | 0 | 0 | 0 | 0 |

Table S2. List of functional genes and qRT-PCR primers used in this study

| Nu<br>mbe<br>r | Gen<br>e tag | Nam<br>e    | Forward Sequence<br>(5'-3') | Reverse Sequence<br>(5'-3') | Gene annotation   |
|----------------|--------------|-------------|-----------------------------|-----------------------------|---|
| 1              | 1567<br>0    | <i>mexX</i> | AATCCGCATCG<br>CGAATTGCT    | CTGTGGGTTGA<br>CCACCTGA     | multidrug efflux RND transporter<br>periplasmic adaptor subunit MexX    |
| 2              | 1567<br>5    | <i>mexY</i> | TCGCCGTGATGT<br>ACCTGTT     | ACGTTGATCGA<br>GAAGCCAG     | multidrug efflux RND transporter<br>permease subunit MexY               |
| 3              | 6515         | <i>mexJ</i> | GTGTCGGTCGA<br>ACTCTGGTC    | CAAGGGAACCG<br>ATAACGGCA    | multidrug efflux RND transporter<br>periplasmic adaptor subunit MexJ    |
| 4              | 6520         | <i>mexK</i> | CATCTGGTGC<br>GGTAAGG       | AAGAAGCTCAC<br>CAGCAGGAC    | multidrug efflux RND transporter<br>permease subunit MexK               |
| 5              | 7290         | <i>mexP</i> | GCAACTGGATC<br>TCGGCTCA     | ACGCCATTGGT<br>GACGTAGTT    | multidrug efflux RND transporter<br>periplasmic adaptor subunit MexP    |
| 6              | 7295         | <i>mexQ</i> | GCAGGTGACTA<br>CCGCCTATC    | GATGTGCTGGT<br>CGAAGGTGA    | multidrug efflux RND transporter<br>permease subunit MexQ               |
| 7              | 7300         | <i>opmE</i> | CGGCAATCTCG<br>ATGCTTTGG    | AGTACCGTCCG<br>GTCGTAGAG    | multidrug efflux transporter outer<br>membrane subunit OpmE             |
| 8              | 1917<br>0    | <i>mexN</i> | CGCAGGACATC<br>AACCTCAGT    | TTGGACACATC<br>CATCAGCCC    | multidrug efflux RND transporter<br>permease subunit MexN               |
| 9              | 1917<br>5    | <i>mexM</i> | GCTGACCATCG<br>ACAACCAGA    | CTTTGCTCGACA<br>GCACCAAC    | multidrug efflux RND transporter<br>periplasmic adaptor subunit MexM    |
| 10             | 1314<br>0    | <i>muxA</i> | AACCAGGCGCA<br>ACTGAAGAA    | GGTATCCAGGG<br>TCTGCTTGG    | multidrug efflux RND transporter<br>periplasmic adaptor subunit MuxA    |
| 11             | 1314<br>5    | <i>muxB</i> | CCTGATTTCGG<br>CTCGTCT      | TACTGTGCGATC<br>AGGCCATC    | multidrug efflux RND transporter<br>permease subunit MuxB               |
| 12             | 1315<br>0    | <i>muxC</i> | CTGCCCAACGTC<br>GATTTC      | CGATGTCCTTCT<br>CCAGGTCG    | multidrug efflux RND transporter<br>permease subunit MuxC               |
| 13             | 1315<br>5    | <i>opmB</i> | TATTCCCCGAC<br>CTCACCC      | GAACAGGGTCA<br>TGGCGAACT    | multidrug efflux RND transporter outer<br>membrane subunit OpmB         |
| 14             | 2408<br>5    | <i>mexV</i> | AAGGCCATCTC<br>GAAAAGCGA    | TGGAAAGGTCC<br>TGCAAGGTG    | multidrug efflux RND transporter<br>periplasmic adaptor subunit MexV    |
| 15             | 2409<br>0    | <i>mexW</i> | GAAGTGGTGAA<br>GACCCTCGG    | TCATCGACAGC<br>GGAATGGTC    | multidrug efflux RND transporter<br>permease subunit MexW               |
| 16             | 815          | <i>triA</i> | TCATTCCAAG<br>GTCGCTGG      | GAACTCGGCCA<br>TCTCACCG     | triclosan efflux RND transporter adaptor<br>protein TriA                |
| 17             | 820          | <i>triB</i> | TCGTCGATGGG<br>AAACAGTCC    | CGAGTTGATCT<br>TCTGGCCG     | triclosan efflux RND transporter adaptor<br>protein TriB                |
| 18             | 825          | <i>triC</i> | TCGTCAGCACC<br>AGTTCTTC     | TCTCGTGGATGC<br>TGCTGTTT    | triclosan efflux RND transporter<br>permease subunit TriC               |
| 19             | 2721<br>5    | <i>motB</i> | CTGCAGCCGTAT<br>TTCGAGGA    | GATAGCTCCC<br>GTTGCCGAA     | flagellar motor protein MotB  |
| 20             | 2486<br>5    | <i>pilB</i> | AACAGCCTGGA<br>TCGGGAAAG    | GGTCGGAGAGA<br>CCGATGAAC    | type IV-A pilus assembly ATPase PilB                                    |
| 21             | 2765<br>5    | <i>pilQ</i> | CAAGGACGGCA<br>ATATCGGGA    | ACAGTTGCAGG<br>TCGAGGATG    | type 4a pilus secretin PilQ   |
| 22             | 3800         | <i>opmD</i> | TTCTTCGACGAT<br>CCGCAACT    | TCCAGCTGTTGT<br>TCGATGCT    | multidrug efflux transporter outer<br>membrane subunit OpmD             |
| 23             | 3805         | <i>mexI</i> | CGAGCCGATGT<br>TCTCTTCCA    | GTACTGCCCTT<br>CACCATCC     | multidrug efflux RND transporter<br>permease MexI                       |
| 24             | 3810         | <i>mexH</i> | CGGTCACCTATA<br>CCGCCTAC    | CTGGAGGATTT<br>CCACCGCAG    | multidrug efflux RND transporter<br>periplasmic adaptor MexH            |
| 25             | 3815         | <i>mexG</i> | GTCCACACCTTC<br>TGGAGCAA    | TCAGGCCCTTCTG<br>GTAGGTGG   | multidrug efflux RND transporter<br>inhibitory subunit MexG             |
| 26             | 2160         | <i>mexA</i> | AGGAAGGCGTC<br>AAGCAGAAG    | TCGGTAACCAG<br>CCACTTGTCA   | multidrug efflux RND transporter<br>periplasmic adaptor subunit MexA    |
| 27             | 2165         | <i>mexB</i> | CAGGAGCTTGC<br>TGCTCTACC    | ATTCCGTACCA<br>GCATCCACG    | multidrug efflux RND transporter<br>permease subunit MexB               |
| 28             | 2170         | <i>oprM</i> | CGCGAAGATCC<br>AGAAGGACA    | GAGCTGGTAGT<br>ACTCGTCGC    | multidrug efflux RND transporter outer<br>membrane channel subunit OprM |
| 29             | 2525<br>0    | <i>oprJ</i> | CGACACGCTGG<br>ATTGGAAGA    | AGCGAGCGGTT<br>GTTATCCAG    | multidrug efflux transporter outer<br>membrane subunit OprJ             |
| 30             | 2525<br>5    | <i>mexD</i> | CAACGACTTCA<br>CCAATGCGG    | TCCCATTTCAGG<br>CTGACGAA    | multidrug efflux RND transporter<br>permease subunit MexD               |

|    |           |              |                           |                           |  |
|----|-----------|--------------|---------------------------|---------------------------|--|
| 31 | 2526<br>0 | <i>mexC</i>  | AATAGGAAGGA<br>TCGGGGCGT  | CTCCACCGGC<br>ACACCATT    | multidrug efflux RND transporter<br>periplasmic adaptor subunit MexC |
| 32 | 1331<br>0 | <i>oprN</i>  | GGGTCTGTTCA<br>GAGGTTG    | TTCGACCAACT<br>GGTTCAGGG  | multidrug efflux RND transporter outer<br>membrane subunit OprN      |
| 33 | 1331<br>5 | <i>mexF</i>  | AGATCGGCCAG<br>TTGAAGGTG  | TTGAGTTCGGC<br>GGTGATGAA  | multidrug efflux RND transporter<br>permease subunit MexF            |
| 34 | 1332<br>0 | <i>mexE</i>  | TGATCAAGGAC<br>GAAGCGGTC  | TGCGGTAGACG<br>GTCTTGTG   | multidrug efflux RND transporter<br>periplasmic adaptor subunit MexE |
| 35 | 1919<br>0 | <i>lasI</i>  | GTGTTCAAGGA<br>GCGCAAAGG  | ATTGCCAGCA<br>ACCGAAAAC   | acyl-homoserine-lactone synthase LasI                                |
| 36 | 1920<br>0 | <i>lasR</i>  | ATCCTGCAGAA<br>GATGGCGAG  | GGGTAGTTGCC<br>GACGATGAA  | transcriptional regulator LasR                                       |
| 37 | 7420      | <i>rhlR</i>  | GTTTGCCTAGCG<br>AGATGCAG  | GGCGTAGTAAT<br>CGAAGCCCCA | transcriptional regulator RhlR                                       |
| 38 | 7425      | <i>rhlII</i> | TTCGACCAGTTC<br>GACCATCC  | TAACCGAAG<br>CTCCCAGAC    | acyl-homoserine-lactone synthase                                     |
| 39 | 2149<br>5 | <i>pqsB</i>  | GAAGATTGGCC<br>ATCCGTTGC  | GAECTCGCTGTCC<br>ACTTCCAA | 2-heptyl-4(1H)-quinolone synthase<br>subunit PqsB                    |
| 40 | 2150<br>0 | <i>pqsA</i>  | GCAATACACCT<br>CGGGTTCCA  | CCCATGCCATA<br>GCCGAAGAA  | anthranilate--CoA ligase   |
| 41 | 1385<br>0 | <i>pvdQ</i>  | GGCCATTTCGG<br>GGTCTACAA  | CTGGACTGGGA<br>GAAAGCCAG  | acyl-homoserine lactone acylase PvdQ                                 |
| 42 | 6660      | <i>bamA</i>  | CGAAGAACGACC<br>TGACCGACC | CCAGGTAATAG<br>GAGCGCAGG  | outer membrane protein assembly factor<br>BamA                       |
| 43 | 5880      | <i>bamB</i>  | ATGGTTCCAGC<br>ATCTACGCC  | TCCACTTCTTCT<br>TGCCGGTG  | outer membrane protein assembly factor<br>BamB                       |
| 44 | 3790      | <i>phzA</i>  | GGGCTATTGCG<br>AGAACCACT  | GCTATTCCAAAT<br>GCACGCAG  | phenazine biosynthesis protein PhzA                                  |
| 45 | 3785      | <i>phzB</i>  | TGGCAAAGACA<br>AACTGCGG   | ATGATTGGGT<br>CGTCGGTTC   | phenazine biosynthesis protein PhzB                                  |
| 46 | 1923<br>5 | <i>bdlA</i>  | CATACCCGTCC<br>ACCGAGAC   | ATCTGTTGCGA<br>GTGCTGTGA  | biofilm dispersion protein BdlA                                      |
| 47 | 2105<br>5 | <i>flgE</i>  | ACAACTCGTCCT<br>CTTCGCTG  | GTCCGGCTCGTT<br>CTTGATGA  | flagellar hook protein FlgE  |
| 48 | 2106<br>0 | <i>flgD</i>  | TCGCTGAACAA<br>GAGCATGGA  | ACGTTGACCCA<br>TACGTTGCT  | flagellar hook assembly protein FlgD                                 |
| 49 |           | 16S<br>rRNA  | TGCCTGGTAGTG<br>GGGGATAA  | TCTGATAGCGT<br>GAGGTCCGA  | reference gene   |

Table S3. The antibiotic resistance genes of strain Jade-X analyzed using the comprehensive antibiotic resistance database

| <b>ORF_ID</b> | <b>Resistance Mechanism</b> | <b>AMR Gene Family</b>   |
|---------------|-----------------------------|--|
| 1_orf01260    | antibiotic efflux           | major facilitator superfamily (MFS) antibiotic efflux pump       |
| 1_orf01762    | antibiotic efflux           | major facilitator superfamily (MFS) antibiotic efflux pump       |
| 1_orf05870    | antibiotic efflux           | multidrug and toxic compound extrusion (MATE) transporter        |
| 1_orf01913    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf00675    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf00676    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf07533    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf07530    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf03951    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf03949    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf01149    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf01146    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf01145    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf01974    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf01975    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf01973    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf05747    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf05744    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf02211    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf02212    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf03953    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf03952    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf07192    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf07195    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf04719    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf04716    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf03892    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf03894    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf03897    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf01911    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf02127    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf03898    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf01144    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf02214    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf08139    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf07529    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf00678    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf03946    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf02683    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |
| 1_orf00253    | antibiotic efflux           | resistance-nodulation-cell division (RND) antibiotic efflux pump |

|            |                              |  |
|------------|------------------------------|--|
| 1_orf00255 | antibiotic efflux            | resistance-nodulation-cell division (RND) antibiotic efflux pump   |
| 1_orf00257 | antibiotic efflux            | resistance-nodulation-cell division (RND) antibiotic efflux pump   |
| 1_orf07534 | antibiotic efflux            | resistance-nodulation-cell division (RND) antibiotic efflux pump   |
| 1_orf08166 | antibiotic efflux            | small multidrug resistance (SMR) antibiotic efflux pump  |
| 1_orf01287 | antibiotic inactivation      | APH(3')  |
| 1_orf06970 | antibiotic inactivation      | chloramphenicol acetyltransferase (CAT)  |
| 1_orf06247 | antibiotic inactivation      | fosfomycin thiol transferase   |
| 1_orf09017 | antibiotic inactivation      | OXA beta-lactamase   |
| 1_orf01304 | antibiotic inactivation      | PDC beta-lactamase   |
| 1_orf02165 | antibiotic target alteration | pmr phosphoethanolamine transferase  |
| 1_orf07816 | antibiotic target alteration | pmr phosphoethanolamine transferase  |
| 1_orf07818 | antibiotic target alteration | pmr phosphoethanolamine transferase  |
| 1_orf04316 | antibiotic efflux            | resistance-nodulation-cell division (RND) antibiotic efflux pump; ATP-binding cassette (ABC) antibiotic efflux pump; major facilitator superfamily (MFS) antibiotic efflux pump; |
| 1_orf00674 | antibiotic efflux            | resistance-nodulation-cell division (RND) antibiotic efflux pump   |

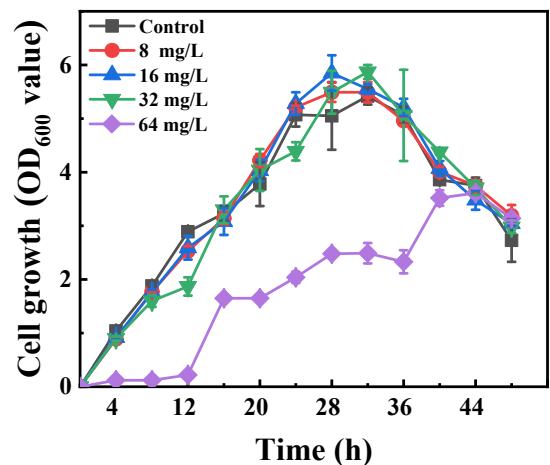


Fig. S1 The growth curves of strain Jade-X cultured in flasks (100 mL medium in 250 mL flask) at 30°C and 150 rpm

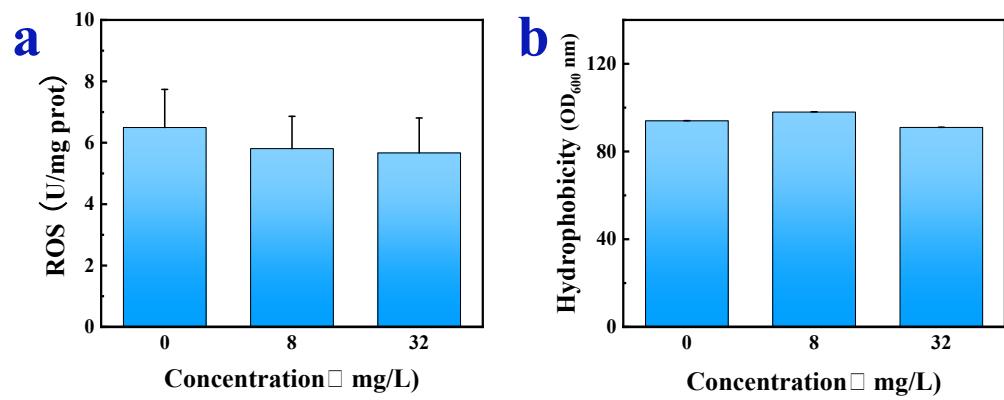


Fig. S2 Effects of BAC on ROS production (a) and hydrophobicity (b)

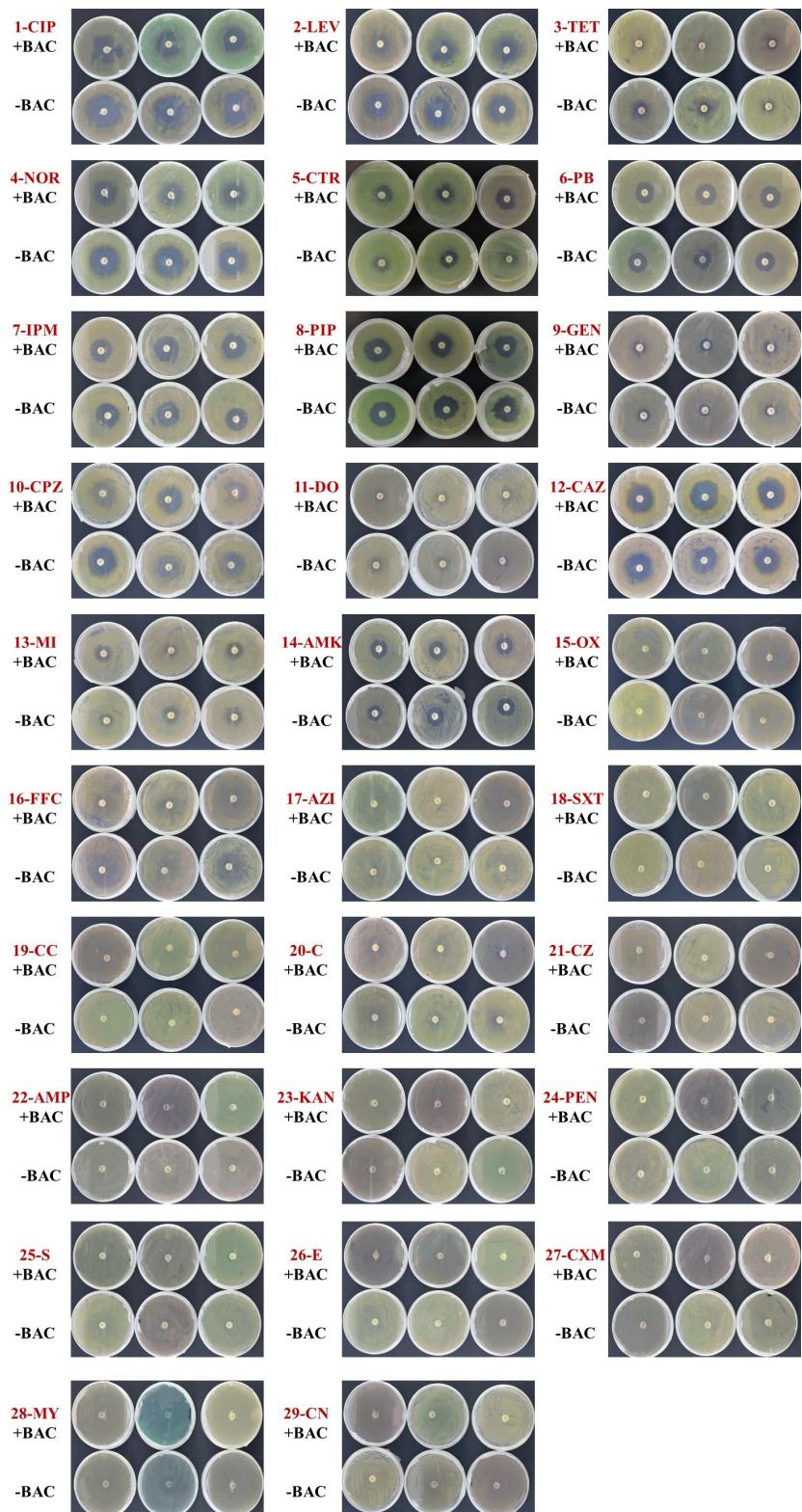


Fig. S3 Antibiotics sensitivity assay of strain Jade-X. BAC concentration was 8 mg/L, and strain was incubated at 30°C for 48 h

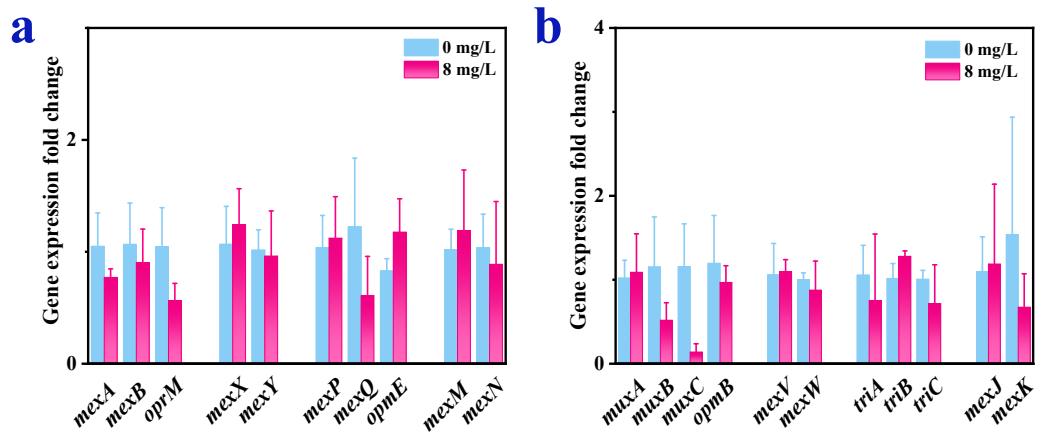


Fig. S4 The expression patterns of RND efflux-related genes of strain Jade-X in response to 8 mg/L BAC