

## Additional file 1 - Oligonucleotides used in this study

| Primer Pairs  | Forward (5' - 3')        | Reverse (5' - 3')        |
|---|--------------------------|--------------------------|
| <b>Gene expression</b>                                  |                          |                          |
| PA2782F/R   | GCCAGCACCCATAACAGC       | GGCGATGTCGTTCTCGTC       |
| PA2783F/R   | AATCCCTGCTCTGCTCCAC      | GTTGACGCCGCTCTTCTC       |
| <i>rpsL</i> F/R   | CCACCACGCCGAAAAA         | CGAACGACCCTGCTTACG       |
| <b>RT-PCR to confirm operon</b>                         |                          |                          |
| 2782F1/2782R1   | GCCAGCACCCATAACAGC       | GGCGATGTCGTTCTCGTC       |
| 2782F1/2783R2   | GCCAGCACCCATAACAGC       | GTTGACGCCGCTCTTCTC       |
| <b>Cloning PA2783</b>                                   |                          |                          |
| PA2783orf-F/<br>PA2783orf-R                             | CGAACACAGGCAACCCATGAAGAA | ACGAGGGAAACCGGAGTGATCATA |
| <b>Sequencing of <i>TnphoA</i> mutants</b>              |                          |                          |
| <i>TnphoA</i> -seq                                      | AGCCCGGTTTTCCAGAACAGG    |                          |
| <b>Probes for electrophoretic mobility shift assays</b> |                          |                          |
| Probe I-F/R   | GCCGGCGCGCGGCCTGGCGCAAAT | GTTGTTTCTCCTCTGAGTGAACG  |
| Probe II-F/R  | CTGGCGCAAATGTGA          | TGGCGCGGAGTCTAGGA        |
| Probe III-F/R   | GTGAACGGTTGCCGC          | TGGCGCGGAGTCTAGGA        |
| Probe IV-F/R  | CTGGCGCAAATGTGA          | GAAGAAGCCTCTCCCAGCG      |
| Probe V-F/R   | CTGGCGCAAATGTGA          | AGCCTCTCCCAGCGT          |
| Probe VI-F/R  | CTGGCGCAAATGTGA          | CAGCGTCCGCCGAACCGT       |
| Probe VII-F/R   | CTGGCGCAAATGTGA          | GGCGGCAACCGTTTCACATT     |