Supl. Table S3. Sequences of primers used in this study.

| Primer     | Sequence                                             | Purpose                                      |
|------------|------------------------------------------------------|----------------------------------------------|
| pcrV.1f    | 5' CAGTGCCGAGCAGGAACTG-3'                           | Quantification of transcript levels by RT-qPCR |
| pcrV.1r    | 5'-CTGAAATAGGCCGACACCCAGGAAC-3'                     | Gene which regulated system secretion type III |
| exsA.1f    | 5'-AGGGTAACAAAGGAAGGGGCTATAT-3'                     | Gene which regulated system secretion type III |
| exsA.1r    | 5'-CTGGACGAAGCCTTTGTAGAAACTTG-3'                    | Gene which regulated system secretion type III |
| hcp.1f     | 5'-GTCAAGGTTGAGTCCAAGAAGAC-3'                       | Gene which regulated system secretion type VI |
| hcp.1r     | 5'-CTCAGGTTGGGCGTGGACCTTG-3'                        | Gene which regulated system secretion type VI |
| vrgG.1f    | 5'-AGAACCAGACGTGGCAGGGAGA-3'                        | Gene which regulated system secretion type VI |
| vrgG.1r    | 5'-CCAGTAGTAGATGCCGTTCCTGTCCTCAT-3'                 | Gene which regulated system secretion type VI |
| 16S. f     | 5'-ATTACCAGCCGCTGCTGGA-3'                           | Normalization of gene expression             |
| 16S. R     | 5'-CCTACGGGAGGCGACAGCAG-3'                           | Normalization of gene expression             |
| PA0643mut.f| 5'-ATGGCTTGGCATTCGAAAGGTTCGGTTTC-3'                 | Generation of PA0643 mutant                 |
| PA0643mut.r| 5'-CTCAATTCACCTCCCATGGGACAATGC-3'                   | Generation of PA0643 mutant                 |
| PA0644mut.f| 5'-ATGAAGCTTGGTGAACCTTGGTTGCAAGCAGG-3'              | Generation of PA0644 mutant                 |
| PA0644mut.r| 5'-CTATGCCTGATGGAGTCTAGCTGACACGGCTACCC-3'           | Generation of PA0644 mutant                 |
| PA0646mut.f| 5'-ATGCTTGTGATTCCAGACCAGCGGTTC-3'                   | Generation of PA0646 mutant                 |
| PA0646mut.r| 5'-TCAGTACCCACCTGCCCACAGGCCACACCG-3'                | Generation of PA0646 mutant                 |
| qPCRPA0807.f| 5'-CAGGGCATTCAACCTGTCGCGGAG-3'                     | Quantification of transcript levels by RT-qPCR |
| qPCRPA0807.r| 5'-GTCACTTGGCAGTGGTAGATGTTTCC-3'                    | Quantification of transcript levels by RT-qPCR |
| qPCRPA0612.f| 5'-CTGACCCTTGGGCATACGGCAACGCAACTCG-3'               | Quantification of transcript levels by RT-qPCR |
| qPCRPA0612.r| 5'-ACCTGCGCCGCTGATGCGAAGC-3'                       | Quantification of transcript levels by RT-qPCR |
| qPCRPA0908.f| 5'-ACCTGCCGATGCATGCAACCG-3'                        | Quantification of transcript levels by RT-qPCR |
| qPCRPA0908.r| 5'-GCAGAGGCTCGCGGCAGAGAGG-3'                       | Quantification of transcript levels by RT-qPCR |
| qPCRPA1183.f| 5'-AAGATCGCTGCTGCTACCGCCTGCGC-3'                   | Quantification of transcript levels by RT-qPCR |
| qPCRPA1183.r| 5'-CATACGTGGGAGAGCGCTCGATGAC-3'                    | Quantification of transcript levels by RT-qPCR |
| qPCRPA0296.f| 5'-GCTGCTCAAGCGCTCGTGTAACAGCATCG-3'                | Quantification of transcript levels by RT-qPCR |
| qPCRPA0296.r| 5'-GCAGGCGGTCTCGAGACACCGCGG-3'                     | Quantification of transcript levels by RT-qPCR |
| qPCRPA3866.f| 5'-CGGAAATCAGATGTCCTTGGCGACAGCAG-3'                | Quantification of transcript levels by RT-qPCR |
| qPCRPA3866.r| 5'-CCTTGACCTGCGGGGTTACCTCTGTGGACC-3'               | Quantification of transcript levels by RT-qPCR |
| qPCRPA4370.f| 5'-TAAACGCTGCGCGCTGGAAGGAGG-3'                     | Quantification of transcript levels by RT-qPCR |
| qPCRPA4370.r| 5'-CCCCAGAGGAGAACTCAGTGCCGTTG-3'                    | Quantification of transcript levels by RT-qPCR |
| qPCRPA4844.f| 5'-CGCCTGATCCAGGGTGGATAGTCGC-3'                    | Quantification of transcript levels by RT-qPCR |
| qPCRPA4844.r| 5'-CGGAGAAAGCTCGCGAGGCGGTTCAG-3'                   | Quantification of transcript levels by RT-qPCR |
by RT-qPCR