**Supplementary Table 1;** Primers used in this study

| Primer name | Sequence (5’-3’) | Gene target | Reference |
| --- | --- | --- | --- |
| Primers for amplification of *gpi, galE and gpi-galE* genes for subcloning |
| *gpi-*F1 | CGCGCGAAGCTTTTATGCAGTGGGGTTTGGTT | *gpi, gpi-galE* | This study |
| *gpi-*R1 | CCCGCCGAATTCCCCCTTCAGGAATAGATTCT | *gpi* | This study |
| *galE-*F1 | CGCGCGAAGCTTGCTCGTGCAAAGGATACACA | *galE* | This study |
| *galE-*R1 | GCGGCGGAATTCCAAATCAAACCGATTCATGC | *galE, gpi-galE* | This study |
| Primers for the amplification of *fabI* |
| *fabI*-Nei-F1 | AACGTGATGGGTATGGCAAA | *fabI* from *Neisseria meningitidis* | This study |
| *fabI*-Nei-R1 | TAACCGCCGTCAACGTAAGT | *fabI* from *Neisseria meningitidis* | This study |
| *fabI*-Hae-F1 | CGGCACGTCCTTACTTAAAT | *fabI* from *Haemophilus parainfluenzae* | This study |
| *fabI*-Hae-R1 | CTGCGGTTTTCTCGAATGTA | *fabI* from *Haemophilus parainfluenzae* | This study |
| *fabI*-Cam-F1 | CGTTTATTCGCTACTAAGCC | *fabI* from *Campylobacter* spp. | This study |
| *fabI*-Cam-R1 | CTAAGCAGATACATAGCGCT | *fabI* from *Campylobacter* spp. | This study |
| *fabI*-Por-F1 | CTATCGCAGAAGGTGGCTCT | *fabI* from *Porphyromonas sp.* | This study |
| *fabI*-Por-R1 | GATTCTGCATCGTGATCTTG | *fabI* from *Porphyromonas sp.* | This study |
| *fabI*-Pre-F1 | GAGTATGGTTCAATCCTTGC | *fabI* from *Prevotella sp.* | This study |
| *fabI*-Pre-R1 | ATCAAGACCCTTCTCGTATG | *fabI* from *Prevotella sp.* | This study |
| Primers for sequencing |
| pCC1-F | GGATGTGCTGCAAGGCGATTAAGTTGG | End sequencing of pCC1BAC | Epicenter, UK |
| pCC1-R | CTCGTATGTTGTGTGGAATTGTGAGC | End Sequencing of pCC1BAC | Epicenter, UK |
| SeqW | CGACACACTCCAATCTTTCC | Genes flanking Entranceposon | Thermo scientific, UK |
| SeqE | GGTGGCTGGAGTTAGACATC | Genes flanking Entranceposon | Thermo scientific, UK |
| A10F2-F2 | GGATCTTGTTGAGAATAAGG | Sequencing of A10F2 | This study |
| A10F2-R2 | CTGTTATTACCCCTAGTGC | Sequencing of A10F2 | This study |
| A10F2-F3 | GGACAGTGCGGCGAGTG | Sequencing of A10F2 | This study |
| A10F2-R3 | GTCGAACCATAAATTGAAC | Sequencing of A10F2 | This study |
| A10F2-F4 | CAATTCCCATCACGGAGTTC | Sequencing of A10F2 | This study |
| A10F2-R4 | CCTCTCTATTGGCATCTAAG | Sequencing of A10F2 | This study |
| A10F2-F5 | CCTTCAGTACTTCTTTGTC | Sequencing of A10F2 | This study |
| A10F2-R5 | GATGGTAGAACCTGACTTAG | Sequencing of A10F2 | This study |
| A10F2-F6 | GCTTTGCCCACCTCAACAC | Sequencing of A10F2 | This study |
| A10F2-R6 | CCACTGCATAAACAGACC | Sequencing of A10F2 | This study |
| A10F2-F7 | CAACCACTTAAAGATAAGC | Sequencing of A10F2 | This study |
| A10F2-R7 | CATTGGCATATCTAAAGC | Sequencing of A10F2 | This study |
| A10F2-F8 | CGGATCGTGCCTATCTTCTC | Sequencing of A10F2 | This study |
| A10F2-R8 | ATCTGGTTTTGCCTCACCTG | Sequencing of A10F2 | This study |