**Table S2 Primer sequence lists for different bacterial species**

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| **Species** | **Primer** | **Sequence** |
| *S. pneumoniae* | F3 | CTGGAGGAAGCACACAGA |
| B3 | GTCTGGTTTGAGGTAGTACC |
| FIP | CACCTTCTTCGTTGAAATAGTACCA-CTGGTTCGACAACTCAGG |
| BIP | GACAGGCTGGGTCAAGTACAA-TGGATAAAGGCATTTGATACC |
| LF | AGCGATTTTCTTCCAGCC |
| LB | CTTAGACGCTAAAGAAGGCG |
| *S. aureus* | F3 | TGAATCATGATGGCGAGAT |
| B3 | CGTGTTTCTTTTTCTAAGTCCA |
| FIP | ATGGAATCCAGTATGTTCAAATCCT-AGGTAATGCTGGTAATGATTGG |
| BIP | AAGGATTTGATCCTGTGCTACAAA-TTTAATGATGTCATCTGCTGTT |
| LF | AAGTTACTCATTTTATCAAAGA |
| LB | TTCGTTATCACTCAGTGTTAGA |
| *E. coli* | F3 | GCGCGTGGTTATCAGTTGG |
| B3 | CCAGGGTTGGTACACTGTC |
| FIP | CGTCAGCAAACAGGCCAAGCA-TCACTGAATTCGGTGACGGA |
| BIP | AGGACCGAAAGCAACGTACCAC-GCGGATTAGGCGTACAGG |
| LF | GGGGTTTTTGCTGATTCGCT |
| LB | TATCGATAAGCCCGCAGTCA |
| *K. pneumoniae* | F3 | CGCCACTATCGACAGTCAG |
| B3 | TGCAGACCGGTAAAACTCAA |
| FIP | ATCGCTGTGGCTATAGGTGCTG-AGCCTGGGCTGAATCTGG |
| BIP | TCTTGCCCGCGATATTCACACC-CGAAAATGCCGGAAGAGGTA |
| LF | GCAGGCGCCATGGTC |
| LB | AGCCAGCTGGTGGTCG |
| *P. aeruginosa* | F3 | CTGGATATTTTTTGAACAAACGA |
| B3 | GTTCATCGTGTTCCCCTTA |
| FIP | TAAACTGACCAAGCGCAAGC-CCAACTACTGCTAAAGTCGG |
| BIP | ACAAGTAATGGGTAGTATGTAGCCG-GGACATTTCCATAACAGCAATC |
| LF | AGCAACTTTTTTTTTAGTCCCC |
| LB | GCTAATTTCCCCGGCTG |
| *A. baumannii* | F3 | TGTGCCAATTAACTTCTTAGC |
| B3 | CTTGTAATATCGTTATAGGCGTT |
| FIP | AGTGAATTCGGTTATCGTAAGCTC-GAAGCAGCAAAAAAAATTAGTCAC |
| BIP | AATGATATGGCTCAAAAGCTAGAGG-CTTAACTCATGTGCGATGG |
| LF | TAGCAGAGAGGTCGCC |
| LB | CCGTTAAAAATGCGCAGG |
| *S. maltophilia* | F3 | ATGCCGACCTGTACGT |
| B3 | CCCATGGAGAGGGTCTTG |
| FIP | GTCTCGCTGTTGCCGCTCA-CAGTGCCCCGACCGATA |
| BIP | GTGGTATGTGCGGGTGAAGG-AGTACTGGGCGTTGAGG |
| LF | TACGGACGGCAGGTGTA |
| LB | TACAGCACCTTCTCGGG |
| *H. influenzae* | F3 | GCAGATGCAGTTAAAGGTT |
| B3 | GCTAATTGGTTAAATTACAAACGA |
| FIP | ACCTAATACTGCAGGTTTTTCTTCA-GGTAAAGGTGTTGATGCTGG |
| BIP | GAAGCTGCATATTCTAAAAACCGTC-AAAAATGGATCCTGTTTTTCAAGT |
| LF | CCGTAAGATACTGTGCCTAATT |
| LB | GCAGTGTTAGCGTACTAATTCT |