**S1 Table**

Primer sequences for DNA template amplification. *Tuf*A and *Inf*A are naturally encoded in the *E. coli* genome while MF1 coding sequence was cloned in a pTZ18R plasmid. Primers for MF1 correspond to the T7 promoter and terminator sequences. The sequence coding for a tetra cysteine motif, added as an overhang sequence to the reverse primer, is indicated with the L suffix. A T7 promoter overhang was added to the forward primer to allow *in vitro* transcription.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Forward primer (5’🡪3’) | Reverse primer (5’🡪3’) | DNA (bp) | mRNA (nt) |
| TufA | TAATACGACTCACTATAGGTTCTATCGCCTTTAAAGAAGGC | GCATGTTAGGTGATTGCAGCGGTCAGAG | 514 | 497 |
| TufA\_L | TAATACGACTCACTATAGGTTCTATCGCCTTTAAAGAAGGC | GCATGTTAGCAGCAGCCCGGGCAGCAGGTGATTGCAGCGGTCAGAG | 540 | 523 |
| TufA\_100\_L | TAATACGACTCACTATAGGGACGTTATCGGTGACTTGAGCCGTCG | GCATGTTAGCAGCAGCCCGGGCAGCAGGTGATTGCAGCGGTCAGAG | 440 | 423 |
| TufA\_200\_L | TAATACGACTCACTATAGGTGTTCGGATACGCAACTCAGCTGCG | GCATGTTAGCAGCAGCCCGGGCAGCAGGTGATTGCAGCGGTCAGAG | 340 | 323 |
| TufA\_371\_L | TAATACGACTCACTATAGGGAGAGCACTATAGTAAGGAATATAGC | GCATGTTAGCAGCAGCCCGGGCAGCAGGTGATTGCAGCGGTCAGAG | 169 | 152 |
| InfA | TAATACGACTCACTATAGGCGCAGAGTTGGTTACGCTC | GCATGTCACAGTAACCACGTGACCG | 361 | 344 |
| InfA\_L | TAATACGACTCACTATAGGCGCAGAGTTGGTTACGCTC | GCATGTCAGCAGCAGCCCGGGCAGCACAGTAACCACGTGACCG | 387 | 370 |
| Rnr | TAATACGACTCACTATAGGCGATTTGGTTGAAGAGAATCAACC | GCATGTTAGCAGCAGCCCGGGCAGCACGGTTTTTCACGTTTGGTTAAATGTTCG | 235 | 218 |
| Rnr\_Tr | TAATACGACTCACTATAGGCATCAGAGATGACAACGGAGG | GCATGTTAGCAGCAGCCCGGGCAGCACGGTTTTTCACGTTTGGTTAAATGTTCG | 173 | 156 |
| tktB | TAATACGACTCACTATAGGAGAAAAACTGTCTGAAGGCATTCG | GCATGTTAGCAGCAGCCCGGGCAGCAATCAGCCATGCCCATCGGCGC | 245 | 227 |
| tktB\_Tr | TAATACGACTCACTATAGGCAAACTATAAACCAGCCACGG | GCATGTTAGCAGCAGCCCGGGCAGCAATCAGCCATGCCCATCGGCGC | 176 | 158 |
| MF1 | cgaatttaatacgactcactatagg | GCTTGCATGCCTGCAGACGCA | 121 | 93 |