Table S2: Primers used in this study, Eurofins Genomics ©

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| --- | --- | --- |
| **Primer Name** | **Sequence (5' -> 3')** | **Description** |
| 170513 | TTAAAAGTGGCGGAGGAATG | Forward primer annealing within the *virB4* gene |
| 170514 | AAGCTCTGCATCGGTTAGGA | Reverse primer annealing within the *virB4* gene |
| 170607 | TTTTTGAATTCCACGTTCAAAACTATCCAAAG (*Eco*RI) | Forward primer to amplify the UP region of *virB4* gene |
| 170608 | GGGCTTGTGCATAATTAGAAC | Reverse primer to amplify the UP region of *virB4* gene |
| 170609 | *GTTCTAATTATGCACAAGCCC*CGGAACTAAGGAAAGAGCTG (reverse complement of primer 170608 in italic) | Forward primer to amplify the DOWN region of *virB4* gene |
| 170712 | TTTTTTGCTAGCGGTTTCATTAACGTCAATCTC (*Nhe*I) | Reverse primer to amplify the DOWN region of *virB4* gene |
| 170611 | GGTTAGAACTTTTCGAGGAAC | Forward primer annealing 33 bp upstream of the UP region of *virB4* gene |
| 170612 | CCAAATCGTGTTTGACGTTC | Reverse primer annealing 83 bp downstream of the DOWN region of *virB4* gene |
| 170515 | GTTTTCCCAGTCACGAC | Forward primer annealing 111 bp before pGEM-T insertion site |
| 170516 | CAGGAAACAGCTATGACC | Reverse primer annealing 126 bp after pGEM-T insertion site |
| 180915 | TTTTTTCTAGAAAGAAGGAGATATACATATGCACAAGCCCCTCAATAG (*Xba*I) | Forward primer amplifying *virB4* gene |
| 180916 | TTTTTTGGATCCTCACAGCTCTTTCCTTAGTTC (BamH1) | Reverse primer amplifying *virB4* gene |
| 170901 | GCTCGAGGGAATATAAGTCG | Forward primer annealing 59 bp before UD fragment in pFD055 |
| 170902 | CGGCTGACATGGGAATTGC | Reverse primer annealing 52 bp after UD fragment in pFD055 |
| 180401 | ACGTACTAGTGATATCCTGCAGCTCGAGGGTTCGCGTTGGCCGATTC (*Spe*I) | Forward primer annealing in Plac promotor in pFD086 |

Restriction sites are underlined