**Table S6. PCR to confirm viral gene presence in the genome assembly.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Primer** | **Sequence (5’-3’)** | **Within gene?** | **Amplicon size (bp)** |
| mg96\_3prime\_overlap\_F1 | ATGCAACGCGGTCTATTACC | *mg96* | 1283 |
| mg96\_3prime\_overlap\_R1 | GTAGGCGCTTCACTGGTCTC | *-* |
| mg96\_5prime\_overlap\_R1 | CCATATAGCAGCTTGCGTCA | *-* | 1404 |
| mg96\_5prime\_overlap\_F1 | CCTAAAGGGTGCCTCCTACC | *-* |
| DNApolB\_3prime\_overlap\_F1 | ATCCCAACTTTCAGCCTCCT | *DNA polB* | 1334 |
| DNApolB\_3prime\_overlap\_R1 | ACAGGAGGTGCGTCCATTAC | *hypothetical* |
| DNApolB\_5prime\_overlap\_R1 | TTTCTCAGGACGAGGCAGTT | *DNA polB* | 1678 |
| DNApolB\_5prime\_overlap\_F1 | TGGTACCATGCGACTAACCA | *Predicted carbohydrate binding protein* |
| MCP\_Hist\_3kb\_F1 | AAGACTGACCTCCGCTTTCA | *histone (intron)*  *[confirms integration in host genome]* | 2837 |
| MCP\_Hist\_3kb\_R1 | GCTGGATGCCTGTACCTTGT | *mcp* |
| MCP\_Hist\_3kb\_F2 | AGATCAACGGCTCCATCTCG | *hnh endonuclease* | Primer walking |
| MCP\_Hist\_3kb\_R2 | CTTCGATCAAACCCGCAGAG | Between *hnh* and *mcp* | Primer walking |
| MCP\_3prime\_overlap\_F1 | ACGCATCCAATCCTAACCAG | *mcp* | 1299 |
| MCP\_3prime\_overlap\_R1 | TCCGCTTTGGAGAAGACACT | *hypothetical* |  |