

S1 Table: List of primer sequences used in the study.

| Gene | Purpose | Forward primer | Reverse primer |
|--------------|---------|---|---------------------------------------|
| <i>ICP4</i> | qRT-PCR | 5'GCGTCGTCGAGGTCGT-3' | 5'-CGCGGAGACGGAGGAG-3' |
| <i>ICP8</i> | qRT-PCR | 5'- GGAGGTGCACCGGATACC- 3' | 5'- GGCTAAAATCCGGCATGAAC- 3' |
| <i>ICP27</i> | qRT-PCR | 5'- GCATCCTTCGTGTTTGTCA TT-3' | 5'-GCATCTTCTCTCC GACCCCG-3' |
| <i>UL5</i> | qRT-PCR | 5'- AAGACGTTACCAAGCTGC T-3' | 5'- CAGATCCACGCCCTTGATGA- 3' |
| <i>UL8</i> | qRT-PCR | 5' - GGT GAT GAG CGC AGT CC – 3' | 5' - GTC GTG CGT GTC TGT CC – 3' |
| <i>UL9</i> | qRT-PCR | 5' - CGACGATACCCTGACCCCA AAG – 3' | 5' - CGAAAAGACCCACCTCCTCCG – 3' |
| <i>UL30</i> | qRT-PCR | 5'- CCCAAGGTGTACTGCGGG- 3' | 5'- CTCCACGTTCTCCAGGATGT- 3' |

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|---------------------------------|---------|---|---|
| <i>UL42</i> | qRT-PCR | 5' - ACGTCCGACGGCGAGG - 3' | 5' - CAGGCGCAACTGAACGTC - 3' |
| <i>UL52</i> | qRT-PCR | 5' - GCCCTCCTCACAAACTCTC TACTG - 3' | 5' - CCGTCCCCAATAAACAAAAGG - 3' |
| <i>gC</i> | qRT-PCR | 5' - CCCCCGCGGACCTTCACC T - 3' | 5' - GGCCGCGGCAGCACCAG - 3' |
| <i>h18S</i> <i>RNA</i> | qRT-PCR | 5'- GCATTCGTATTGCGCCGCT A-3' | 5'-AGCTGCCCGGCGGGT-3' |
| <i>TRIM22</i> <i>RNA</i> | qRT-PCR | 5'- AGCTCGTTTAGTGAACCGT CAGATC-3' | 5'- ACCTACAGGTGGGGTCTTTCA TTCCC -3' |
| <i>ICP8</i> <i>promoter</i> | qPCR | 5'- GCCCGGGCGCTGCTTGTT CTCC-3' | 5'- CGTCCGCCGTCGCAGCCGTA TC-3' |
| <i>ICP27</i> <i>promoter</i> | qPCR | 5'- CCGCCGGCCTGGATGTGA CG-3' | 5'- CGTGGTGGCCGGGGTGGTGC TC-3 |
| <i>ICP4</i> <i>promoter</i> | qPCR | 5'- GCCGTCGACGCGGAACT-3' | 5'- CCTTTTTCCCAACCAAGCAT-3' |

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|----------------|------|--------------------|-----------------------|
| <i>GAPDH</i> | qPCR | 5'- | 5'- |
| <i>pseudog</i> | | CAGGCGCCCAATACGACC | TTCGACAGTCAGTCAGCCGCA |
| <i>ene</i> | | AAAATC-3' | TCTTCTT-3' |