

Supplementary Table 1: Oligonucleotides used for generating HSV1-UL36 mutants.

Mutant	forward primer	reverse primer
HSV1(17 ⁺)blueLox- Δ UL36	GGATAGGGTTCGACGGTTCGAAAC TTAACACACCAAATAATCGAGCGC <u>GTAGGACGACGACGACAAGTAA</u>	CACCGCGACTCGTAGCCTAATCA GGGGAACCGGGGCCATGGTACG <u>GGGGCCAGGAACA</u> CTTAACGGCT <u>GA</u>
HSV1(17 ⁺)blueLox- UL36codon 2211 stop	TTTCGGCCGGAGGCCCTCCGACCC GGGGCCTCATGTTTCGGCACGCGGC TGTAGAGGACGACGACGACAAGT <u>AA</u>	CAGGGCGCCAGGGGGTCGGTTTC GGACAACCTGCCGCGGCCAGT <u>CTGCCAGGAACA</u> CTTAACGGCTG <u>A</u>
HSV1(17 ⁺)blueLox- UL36codon 2430 stop	ACGCGTGTCTGGCGGCACAGCTCC CGCGCCTGTCCGCGCTCATCGCCG AGTAGAGGACGACGACGACAAGT <u>AA</u>	ATGGAGATGTCCACGAGCACCAG ACACGGCGGGCCCCGGGCGAGG GGCCGCAGGAACA <u>CTTAACGGCT</u> <u>GA</u>
HSV1(17 ⁺)blueLox- UL36codon 2894 stop	GAGGCCCGGTTTTCCCGCCGCCCA CTACACGGCAGCCGGTGGCCACGC CCTAGAGGACGACGACGACAAGT <u>AA</u>	GCGGACAGGCGGCTGACGGTCA AATGCCCCGGGGGCGCGCAGAT GTGGTCAGGAACA <u>CTTAACGGCT</u> <u>GA</u>
HSV1(17 ⁺)blueLox- UL36codon 2998 stop	ACGGGCATGTAGCACCCGGGGAG TATCCGGCGGTTCGGTTCCGGGCA CCGTAGAGGACGACGACGACAAG <u>TAA</u>	GTGCGTGGATTTGTGGAAGACGC GGAAGCCGGGACGGATGGGGCGG TTTTGCAGGAACA <u>CTTAACGGCT</u> <u>GA</u>

The underlined sequences of the primers indicate the binding sites for the plasmid pGP704-Kan. The TAG stop codons are indicated in bold.