

Supplementary Table 1:
List of all DNA sequences used in the study

Name	Sequence	Used for
K8.1Pr_pGL4.16_F	TGGCCTAACTGGCCGGTACCTGTGCCGTCGTCGGGA	Cloning
K8.1Pr_pGL4.16_R	CCGGATTGCCAAGCTTAGGATTAAGGGATTAACCTCGGTCCC	Cloning
ORF57Pr_pGL4.16_F	TGGCCTAACTGGCCGGTACCAGTGTAAACAATAATGTTCCCACGGC	Cloning
ORF57Pr_pGL4.16_R	CCGGATTGCCAAGCTTTTTTGGGAACCTGGCAGCCAGGTTA	Cloning
Orilyt_KSHV_F	GGTCTGACAGCGGCCGCCAGCTTATCCGGTGGCAATCT	Cloning
Orilyt_KSHV_R	AGCACTGGTAACCACTGCAGTGGGCACAGAGATATGTGACGTGACGCCCT	Cloning
K8.1_G8A_1	GGCAGCAATATTTAAAGGACCGAAGTTAATC	Mutagenesis
K8.1_G8A_2	GATTAACCTCGGTCCCTTTTAAATATTGCTGCC	Mutagenesis
K8.1_G8C_1	GGCAGCAATATTTAAACGGACCGAAGTTAATC	Mutagenesis
K8.1_G8C_2	GATTAACCTCGGTCCGTTTAAATATTGCTGCC	Mutagenesis
K8.1_G8T_1	GGCAGCAATATTTAAATGGACCGAAGTTAATC	Mutagenesis
K8.1_G8T_2	GATTAACCTCGGTCCATTTAAATATTGCTGCC	Mutagenesis
K8.1_G9C_1	GCAGCAATATTTAAAGCGACCGAAGTTAATCC	Mutagenesis
K8.1_G9C_2	GGATTAACCTCGGTCCGTTTAAATATTGCTGC	Mutagenesis
K8.1_G9A_1	GCAGCAATATTTAAAGAGACCGAAGTTAATCC	Mutagenesis
K8.1_G9A_2	GGATTAACCTCGGTCTCTTTAAATATTGCTGC	Mutagenesis
K8.1_G9T_1	GCAGCAATATTTAAAGTGACCGAAGTTAATCC	Mutagenesis
K8.1_G9T_2	GGATTAACCTCGGTCACTTTAAATATTGCTGC	Mutagenesis
K8.1_G10T_1	CAGCAATATTTAAAGGTACCGAAGTTAATCCC	Mutagenesis
K8.1_G10T_2	GGGATTAACCTCGGTACCTTTAAATATTGCTG	Mutagenesis
K8.1_A11C_1	AGCAATATTTAAAGGGCCCGAAGTTAATCCCT	Mutagenesis
K8.1_A11C_2	AGGGATTAACCTCGGGCCCTTTAAATATTGCT	Mutagenesis
K8.1_A11T_1	AGCAATATTTAAAGGGTCCGAAGTTAATCCCT	Mutagenesis
K8.1_A11T_2	AGGGATTAACCTCGGACCTTTAAATATTGCT	Mutagenesis
K8.1_A11G_1	AGCAATATTTAAAGGGGCCGAAGTTAATCCCT	Mutagenesis
K8.1_A11G_2	AGGGATTAACCTCGGCCCTTTAAATATTGCT	Mutagenesis
K8.1_C12G_1	GCAATATTTAAAGGGAGCGAAGTTAATCCCTT	Mutagenesis
K8.1_C12G_2	AAGGGATTAACCTCGCTCCCTTTAAATATTGC	Mutagenesis
K8.1_C12T_1	GCAATATTTAAAGGGATCGAAGTTAATCCCTT	Mutagenesis
K8.1_C12T_2	AAGGGATTAACCTCGATCCCTTTAAATATTGC	Mutagenesis
K8.1_GG89AC_1	GGCAGCAATATTTAAACGACCGAAGTTAATCCCTT	Mutagenesis
K8.1_GG89AC_2	AAGGGATTAACCTCGGTCCGTTTAAATATTGCTGCC	Mutagenesis
K8.1_GG89CT_1	GGCAGCAATATTTAAACTGACCGAAGTTAATCCCTT	Mutagenesis
K8.1_GG89CT_2	AAGGGATTAACCTCGGTCCGTTTAAATATTGCTGCC	Mutagenesis
K8.1_GG89TT_1	GGCAGCAATATTTAAATTGACCGAAGTTAATCCCTT	Mutagenesis
K8.1_GG89TT_2	AAGGGATTAACCTCGGTCAATTTAAATATTGCTGCC	Mutagenesis

K8.1_AC1112CG_1	GGCAGCAATATTAAAGGGCGCGAAGTTAATCCCTTAATC	Mutagenesis
K8.1_AC1112CG_2	GATTAAGGGATTAACCTTCGCGCCCTTTAATATTGCTGCC	Mutagenesis
K8.1_AC1112GT_1	GGCAGCAATATTAAAGGGGTGGAAGTTAATCCCTTAATC	Mutagenesis
K8.1_AC1112GT_2	GATTAAGGGATTAACCTTCGACCCCTTTAATATTGCTGCC	Mutagenesis
K8.1_TATT->TATA_1	GTTATCCGGCAGCAATATAAAAGGGACCGAAGTTAATC	Mutagenesis
K8.1_TATT->TATA_2	GATTAACCTTCGGTCCCTTTTATATTGCTGCCGATAAC	Mutagenesis
K8.1_GGGAC->TACGA_1	GGCAGCAATATTAAATACGACGAAGTTAATCCCTT	Mutagenesis
K8.1_GGGAC->TACGA_2	AAGGGATTAACCTTCGTCTGATTTAATATTGCTGCC	Mutagenesis
K8.1_GGGAC->ACTCG_1	GGCAGCAATATTAAACTCGCGAAGTTAATCCCTT	Mutagenesis
K8.1_GGGAC->ACTCG_2	AAGGGATTAACCTTCGCGAGTTTAAATATTGCTGCC	Mutagenesis
K8.1Pr_qPCR_F	GGGAGAACCATGCCAGACTTTG	ChIP-qPCR
K8.1Pr_qPCR_R	GCATAGGATTAGGAGCGCCAC	ChIP-qPCR
ORF59Pr_qPCR_F	AATCCACAGGCATGATTGC	ChIP-qPCR/ DNA replication
ORF59Pr_qPCR_R	CACACTTCCACCTCCCCTAA	ChIP-qPCR DNA replication
CPSF6Pr_qPCR_F	CGAGGAATGTCCCTGTTTGT	DNA replication
CPSF6Pr_qPCR_R	ACTGGCTGTCTCCTCTCAGC	DNA replication
K8.1CDS_qPCR_F	CCGTCGGTGTGTAGGGATAAAG	RT-qPCR
K8.1CDS_qPCR_R	GTCGTTGTAGTGGTGGCAGAAA	RT-qPCR
ORF57CDS_qPCR_F	TTTGACGAATCGAGGGACGACG	RT-qPCR
ORF57CDS_qPCR_R	GCAGTTGAGAACGACCTTGAGAT	RT-qPCR
ORF17.5Pr_qPCR_F	GCTGGCCTTTAAATACGCCG	ChIP-qPCR
ORF17.5Pr_qPCR_R	TTTCGTCTAGTCCCCTGGAGA	ChIP-qPCR
OriLyt_L_qPCR_F	CGGCGGAGGTTGTCAATAGT	ChIP-qPCR
OriLyt_L_qPCR_R	GGGTCCTGTTCTGGGATAGC	ChIP-qPCR
OriLyt_R_qPCR_F	CCCTGGGCACGATAACCATA	ChIP-qPCR
OriLyt_R_qPCR_R	AGGGGCGCAAAACAATTGTG	ChIP-qPCR
ORF64Pr_qPCR_F	GCAGAAAGAACTTGAGCTCT	ChIP-qPCR
ORF64Pr_qPCR_R	AGGCAGACCGGGAGTACGTT	ChIP-qPCR
ORF37Pr_qPCR_F	GCTGGCGTTTCAGAAGCAGTG	ChIP-qPCR
ORF37Pr_qPCR_R	CCATCCAGGGTGTCAACCA	ChIP-qPCR
K8.1Pr_DoubleMutant_1	GTTATCCGGCAGCAATATAAAATACGACGAAGTTAATCCCTTAATCC	Mutagenesis
K8.1Pr_DoubleMutant_2	GGATTAAGGGATTAACCTTCGTCTGATTTTATATTGCTGCCGATAAC	Mutagenesis