

Supplemental Table 1. Primers used to generate mutations in BACs containing the HSV-1 genome.

Mutants	Background	Primer1	Primer2
WT-FLAG	WT-BAC	CCTGGCGCGCACGTTTTGCCCGGGAGATGG GGGAGGCTAACGACTACAAGGATGACGAC GATAAGTGAACACAGtagggataacaggtaatcgattt	AGCGCGGGTTTCCTTCCGGTATTGTCTCCTT CCGTGTTTCACTTATCGTCGTCATCCTTGTA GTCGTTAGCCTCgccagtgttacaaccaattaacc
G8-FLAG	WT-FLAG	TGAGGGCCGGGGCGGGGCATGTGAGCTC CCAGCCTCCCCCGATATGAGGAGCCAG Atagggataacaggtaatcgattt	TATGCCGTGACCGACGCCGTTCTGGCTCCT CATATCGGGGGGGAGGCTGGGAGCTCAC Agccagtgttacaaccaattaacc
G9-FLAG	WT-FLAG	TGAGGGCCGGGGCGGGGCATGTGAGCTC CCAGCCTCCCCCGATATGAGGAGCCA GAtagggataacaggtaatcgattt	TATGCCGTGACCGACGCCGTTCTGGCTCCT CATATCGGGGGGGAGGCTGGGAGCTCA CAgccagtgttacaaccaattaacc
G6-FLAG	WT-FLAG	TGAGGGCCGGGGCGGGGCATGTGAGCTC CCAGCCTCCCCCGATATGAGGAGCCAGAt agggataacaggtaatcgattt	TATGCCGTGACCGACGCCGTTCTGGCTCCT CATATCGGGGGGGAGGCTGGGAGCTCACAgc cagtgttacaaccaattaacc
Stop0a	G8-FLAG	GGCCGGGGCGGGGCATGTGAGCTCCAG CCTCCCCCCTTAATGAGGAGCCAGAACG Gtagggataacaggtaatcgattt	CATGCCTTATGCCGTGACCGACGCCGTTCT GGCTCCTCATTAAGGGGGGGAGGCTGGG AGCgccagtgttacaaccaattaacc
Stop0b	G8-FLAG	GGGTGAGGGCCGGGGCGGGGCATGTGAG CTCCAGCCTACCCCCCGATATGAGGAGC CAtagggataacaggtaatcgattt	TGCCGTGACCGACGCCGTTCTGGCTCCTCA TATCGGGGGGTGAGGCTGGGAGCTCACAT GCCCgccagtgttacaaccaattaacc
Stop0c	G8-FLAG	CGAAGATGAGGGTGAGGGCCGGGGCGGG GCATGTGAGCTACCAGCCTCCCCCGAT ATGAGGtagggataacaggtaatcgattt	GCCGTGACCGACGCCGTTCTGGCTCCTCAT ATCGGGGGGGAGGCTGGTAGCTCACATG CCCCGCGccagtgttacaaccaattaacc
Stop+1a	G8-FLAG	GGGCCGGGGCGGGGCATGTGAGCTCCA GCCTCCCCCCTATATGAGGAGCCAGAAC GGtagggataacaggtaatcgattt	TGCCTTATGCCGTGACCGACGCCGTTCTGG CTCCTCATATAGGGGGGGAGGCTGGGAG CTgccagtgttacaaccaattaacc
Stop+1b	G8-FLAG	AGGGTGAGGGCCGGGGCGGGGCATGTGA GCTCCAGCCTACCCCCCGATATGAGGAG Ctagggataacaggtaatcgattt	GCCGTGACCGACGCCGTTCTGGCTCCTCAT ATCGGGGGGGTAGGCTGGGAGCTCACATG CCgccagtgttacaaccaattaacc
Stop+1c	G8-FLAG	CGGTCAAGATGAGGGTGAGGGCCGGGGG CGGGGCATGTTAGCTCCAGCCTCCCCCC CGATATGtagggataacaggtaatcgattt	GCCGTGACCGACGCCGTTCTGGCTCCTCAT ATCGGGGGGGAGGCTGGGAGCTAACATG CCCCGCCCGccagtgttacaaccaattaacc
HA-WT-FLAG	WT-FLAG	GCGGACTCCGTGGCTTCTTGCTGCCGGCG AGGGCGCAACCGTAGTCTGGACGTCGT ACGGGTACGTACGTCtagggataacaggtaatcgattt	GACCAGGCTGCGGTTCTCGCGCCATAGC AACCAGCTACGTACCCGTACGACGTCCCA GACTACGCGTTGCGccagtgttacaaccaattaacc
HA-G8-FLAG	G8-FLAG	Same as above	Same as above