

S1 Table. PCR primers

MX2 mutants	
Mx2-SfiI-F	CTCTGGCCGAGAGGGCCATGTCTAAGGCCCAAGCCTTG
Mx2-myc-SfiI-R	CTCTGGCCAGAGAGGCCTCACAGATCCTCTTCAGAGATGAGTTTCTGCTCGTGGATCTCTTTGCTGG AGAA
Mx2-SfiI-R	CTCTGGCCAGAGAGGCCTCAGTGGATCTCTTTGCTGGAG
Mx2-M574D-F	TGATCCAACTTCAGTTCAGAGACGAGCAGATGGTTTTTGTGTC
Mx2-M574-R	GACAAAAAACCATCTGCTCGTCTCTGAAGTGAAGTTGGATCA
Mx2-Y651D-F	CCAGATCCCATTATTAATTCAGGATTTTATGCTCCGAGAGAATGGTGACTCC
Mx2-Y651D-R	GGAGTCACCATCTCTCGGAGCATAAAATCCTGAATTATAAATGGGATCTGG
Mx2-YRGK-AAAA F	GTTGAAAAATATGAAAAGCAGGCTGCAGCCGCGGAGCTTCTGGGATTTGTCAAC
Mx2-YRGK-AAAA R	GTTGACAAATCCCAGAAGCTCCGCGGCTGCAGCCTGCTTTTCATATTTTCAAC
Mx2-RRR-11-13-AAA-SfiI-F	ctctggccgagagggccATGTCTAAGGCCCAAGCCTTGCCCTACGCGGCGGCAAGT
Mx1-Mx2N91-F	CGAGAACAACTGTACAGCCAGTATGAGGAGAAGGTGCGC
Mx1-Mx2N91-R	GCGCACCTTCTCCTCATACTGGCTGTACAGGTTGTTCTCG
Mx1-nostop-SfiI-R	ctctggccgagagggccACCGGGGAAGTGGGCAAGCCG
Mx1-SfiI-F	ctctggccgagagggccATGGTTGTTTCCG
Mx2-R455D-F	CCCGTTTTATACAACAAATCGACGAGGATTTTAAAACTGGG
Mx2-R455D-R	CCCAGTTTTTAAATCCTCGTCGATTTTGTGTATAAACGGG
Mx2-delN25-SfiI-F	ctctggccgagagggccATGAATTCCTTCC
Mx1-myc-SfiI-R	ctctggccgagagggccTCACAGATCCTCTTCAGAGATGAGTTTCTGCTCACCGGGGAAGTGGGCAAGCCG
Mx2-SfiI-RRR-AAA-F2	CTCTGGCCGAGAGGGCCATGTCTAAGGCCCAAGCCTTGCCCTACGCGGCGGCAAGTCAATTTT CTTCTCG
Mx2-SfiI-SSS-AAA-F	ctctggccgagagggccATGTCTAAGGCCCAAGCCTTGCCCTACCGGAGGAGAGCTCAATTTGCTGCT CGAAAATACCTG
Mx2-SfiI-SSS-DDD-F	ctctggccgagagggccATGTCTAAGGCCCAAGCCTTGCCCTACCGGAGGAGAGATCAATTTGATGATC GAAAATACCTG
Mx2-T151D-F	GCGGAATCGTAGACAGGTGTCCGC
Mx2-T151D-R	GCGGACACCTGTCTACGATTCCGC
Mx1-K83A-F	CCAGAGCTCGGGCGCGAGCTCCGTG
Mx1-K83A-R	CACGGAGCTCGCGCCCGAGCTCTGG
Mx1-T103A-F	GCGGGATCGTGGCCAGATGCCCG
Mx1-T103A-R	CGGGCATCTGGCCACGATCCCGC
Mx1-T103D-F	GCGGGATCGTGGACAGATGCCCG
Mx1-T103D-R	CGGGCATCTGTCCACGATCCCGC
TRIM5-fusions	
CypA R69H F	CTTCACACACCATAATGGCACTGGT
CypA R69H R	ACCAGTGCCATTATGGTGTGTGAAG
CypA NotI F	ataagaatgcggccgcccATGGTCAACCCCAACCGTG
CypA SalI R	ataagaatgtcgactcaTTCGAGTTGTCCACAGTCAGC
CypA D66N F	GGTGTAACCTTCACACGCCATAATG
CypA D66N R	CATTATGGCGTGTGAAGTTACCACC
CypA (NH) F	GGTGTAACCTTCACACACCATAATG
CypA (NH) R	CATTATGGTGTGTGAAGTTACCACC
AAV	
AAV NheI F	TTCCTGCGGCCGCGAGCATAGCTAGC
AAV XhoI R	CGCTCGGTCCGCACAATTCCTCGAG
HIV-1 CA mutants	
CapNM F	GTA AGA AAA AGG CAC AGC AAG CGG CCG CTG
CapNM R	CTT GGC TCA TTG CTT CAG CCA AAA CGC GTG
N57A F	AACACCATGCTAGCCACAGTGGGG
N57A R	CCCCACTGTGGCTAGCATGGTGTT
N57D F	AACACCATGCTAGACACAGTGGGG
N57D R	CCCCACTGTGTCTAGCATGGTGTT
CypA-mutant cell verification	
CypA Intron1 F2 (In1 F2)	TCTAAACTTGGCGCGTGTCT
CypA Intron 4 R (In4 R)	TTCAACCACCCAGCTAAGGG
CypA Intron 1 F (In1 F)	AAGAGAAGTGCACACGGATACT
CypA Intron 4 R2 (In4 R2)	GTCAGGTGGTTAGTGTGCCA

