

Supplemental Table 1

Supplemental Table 1. Description of primers and DNA template used for cloning through splice overlap extension (SOE) PCR, sequencing, conventional and real time PCR						
Oligo Name	*S or AS	Clone Names	Oligo Sequence	DNA template used for SOE PCR	**Nucleotide (nt) Position and/or Reference	Virus Region & Gene
OTR 787	S	Universal Outer Primer	5' cc ctcgagT GTC CGG AGC CGT GCT GCC CG 3'	These oligos were used as universal outer primers to generate each mutant	2 dummies, <i>XhoI</i> , nt 7-21	MPMV 5' LTR
OTR 788	AS		5' ccc gga tcc TTC TTT CTT ATC TAT CAA TTC TTT AAT TAA G 3'		3 dummies, <i>BamHI</i> , MPMV nt 1171-1141	MPMV Gag
OTR 1079	S	RK15	5' CTC TCG AAA GTA AGT GTT GCG CTC GG 3'	SJ2	MPMV nt 829-886 with deletion from nt 834-866	MPMV U5
OTR 1080	AS		5' CTT TCG AGA GTT TAC TTT CAC TTT TAA TC 3'		MPMV nt 867- 810 with deletion from nt 832-870	MPMV U5
OTR 1085	S	RK16	5' GCT GAT ACT TGT CCT TGG TTT CCG C 3'	SJ2	MPMV nt 974-1029 with deletion from nt 979-1008	MPMV Gag
OTR 1086	AS		5' CAA GTA TCA GCA TAT TTA ACC TTT ACT CC 3'		MPMV nt 1014-956 with deletion from nt 979-1008	MPMV Gag
OTR 1194	S	RK17	5' TTA AAG ACA CGG GGA GTA AAG G 3'	SJ2	MPMV nt 944-965	MPMV Gag
OTR 1195	AS		5' TAC TCC CCG TGT CTT TAA TAA TTC TTG CCC CAT ATC CGA G 3'		MPMV nt 961-883 with deletion from nt 905-943	MPMV Gag
OTR 1194	S	RK18	5' TTA AAG ACA CGG GGA GTA AAG G 3'	RK15	MPMV nt 944-965	MPMV Gag
OTR 1195	AS		5' TAC TCC CCG TGT CTT TAA TAA TTC TTG CCC CAT ATC CGA G 3'		MPMV nt 961-883 with deletion from nt 905-943	MPMV Gag
OTR 1196	S	RK19	5' TAC TTG TCC TTG GTT TCC GCA A3'	RK15	MPMV nt 1009-1030	MPMV Gag
OTR 1197	AS		5' GGA AAC CAA GGA CAA GTA TCA GCA TAT TTA ACC TTT ACT CCC 3'		MPMV nt 1026-955 with deletion from nt 979-1008	MPMV Gag
OTR 1194	S	RK20	5' TTA AAG ACA CGG GGA GTA AAG G 3'	RK19	MPMV nt 944-965	MPMV Gag
OTR 1195	AS		5' TAC TCC CCG TGT CTT TAA TAA TTC TTG CCC CAT ATC CGA G 3'		MPMV nt 961-883 with deletion from nt 905-943	MPMV Gag

OTR 1196	S	RK21	5' TAC TTG TCC TTG GTT TCC GCA A3'	RK16	MPMV nt 1009-1030	MPMV Gag
OTR 1197	AS		5' GGA AAC CAA GGA CAA GTA TCA GCA TAT TTA ACC TTT ACT CCC 3'		MPMV nt 1026-955 with deletion from nt 979-1008	MPMV Gag
IDT gene synthesis	-	RK22	Mutant RK 26 containing substitution between Gag SL1 and Gag SL2 sequences was created through gene synthesis provided by IDT	gene synthesis	-	MPMV Gag
	-				-	MPMV Gag
OTR 121	S	Used for sequencing	5' GGT TAA ATA TGC TGA TCT TT 3'		MPMV nt 964-983	MPMV Gag
OTR 198	S		5' ccc gct agc CGC CTA CTC TAC GCC 3'		MPMV nt 1070-1056	MPMV Gag
OTR 580	S	$\beta$ -actin	5' TGA GCT GCG TGT GGC TCC 3'		<i>J. Virol.</i> 69:5607-5620.	Actin Spliced
OTR 581	AS		5' GGC ATG GGG GAG GGC ATA CC 3'		<i>J. Virol.</i> 69:5607-5620.	Actin Spliced or unspliced mRNA
OTR 582	S		5' CCA GTG GCT TCC CCA GTG 3'		<i>J. Virol.</i> 69:5607-5620.	Actin S-1. Unspliced mRNA
OTR 1161	S	For PCR following DNase treatment	5' GAT CAG AAC ACT GTC TTG TC 3'		MPMV nt 642-661	MPMV R/U5
OTR 1163	AS		5' CTT TCT TAT CTA TCA ATT CTT TAA 3'		MPMV nt 1169-1146	MPMV Gag
MPMV_M FAM	-	qPCR probe	5' TCGGGACAGTTGGC 3'		MPMV nt 734-747	MPMV U5
MPMV_F	S	qPCR Forward primer	5' CTCCTCCAGGTTCTACTGTTGA 3'		MPMV nt 702-724	MPMV U5
MPMV_R	AS	qPCR Reverse Primer	5' TCGTATCCAGCCCCACGTT 3'		MPMV nt 770-752	MPMV U5

Sequence in lower case: artificial and restriction enzyme sequences that were introduced in the oligos.

\*S, sense; AS, antisense.

\*\* The MPMV nucleotide numbering system refers to the genome sequence deposited in the Genbank (accession number M12349) by Sonigo et al. 1986.