

Gene segment	PCR	Oligo name	Sequence (Reverse primers shown as reverse complement of coding sequence)	Amplicon Size (bp)
1 (PB2)	First	SwPB2-F	5'-ATG-GAG-AGA-ATA-AAA-GAA-C-3'	2279
		SwPB2-R	5'-TAA-TTG-ATG-GCC-ATC-C-3'	
2 (PB1)		SwPB1-F	5'-ATG-GAT-GTC-AAT-CCG-A-3	2273
		SwPB1-R	5'-TAT-TTT-TGC-CGT-CTG-AG-3	
3 (PA)		SwPA-F	5'-ATG-GAA-GAC-TTT-GTG-C-3'	2151
		SwPA-R	5'-CTA-CTT-CAG-TGC-AT-GTG-3	
4 (HA)		SwHA-F	5'-ATG-AAG-GCA-ATA-CTA-GTA-G-3	1696
		SwHA-R	5'-CATATTCTACACTGTAGAGAC-3'	
5 (NP)		SwNP-F	5'-ATG-GCG-TCT-CAA-GG-3	1496
		SwNP-R	5'-TCA-ACT-GTC-ATA-CTC-CTC-3	
6 (NA)		SwNA-F	5'-ATG-AAT-CCA-AAC-CAA-AAG-3	1409
		SwNA-R	5'-TTA-CTT-GTC-AAT-GGT-AAA-TG-3	
7 (MP)		SwMP-F	5'-TAACCGAGGTGCGAAA-3'	970
		SwMP-R	5'-TAC-TCT-AGC-TCT-ATG-TTG-A-3	
8 (NS)		SwNS-F	5'-ATG-GAC-TCC-AAC-ACC-3'	890
		SwNS-R	5'-TTA-AAT-AAG-CTG-AAA-CGA-G-3	
1 (PB2)	Nested	SwPB2-F1	5'-AAA-GAA-CTG-AGA-GAT-CTA-3	504
		SwPB2-R1	5'-CCA-CTT-CAT-TTG-GGA-A-3'	
		SwPB2-F2	5'-AGG-TTG-AAA-CAT-GGT-ACC-3'	740
		SwPB2-R2	5'-GCT-CTT-CTC-CCA-ACC-A-3'	
		SwPB2-F3	5'-GCT-AAC-GGG-CAA-CCT-3'	889
		SwPB2-R3	5'-CAC-ATT-CAC-AGTC-AAT-GAG-G-3'	
		SwPB2-F4	5'-CCT-AAG-GCA-ACC-AGA-AGC-3'	491
SwPB2-R4		5'-TGG-CTG-TCA-GTA-AGT-ATG-CTA-G-3'		
2 (PB1)		SwPB1-F1	5'-ATG-GAT-GTC-AAT-CCG-ACT-C-3'	616
		SwPB1-R1	5'-CTA-TTG-TTC-TTT-GCG-TGA-CC-3'	
		SwPB1-F2	5'-AGG-AAG-GCT-AAT-AGA-TTT-CIT-A-3'	639
		SwPB1-R2	5'-AGC-ATT-TCT-GCT-GGT-AT-3'	
		SwPB1-F3	5'-GAG-TGG-TTC-AGA-AAC-ATC-3'	738
		SwPB1-R3	5'-TAA-CTC-AAA-TGA-TCT-TCT-CGT-3'	
		SwPB1-F4	5'-CAG-ATG-GCT-CIT-CAA-TTG-T-3'	639
SwPB1-R4		5'-TTT-TTG-CCG-TCT-GAG-TTC-3'		
3 (PA)	SwPA-F1	5'-GGA-AGA-CTT-TGT-GCG-AC-3'	703	
	SwPA-R1	5'-TCC-ATC-TAC-ATA-GGC-TCT-AAA-3'		
	SwPA-F2	5'-CAG-TAG-GAG-TCT-ATG-GGA-T-3'	607	
	SwPA-R2	5'-TTT-GCA-GTC-ATC-AAA-GTC-TA-3'		
	SwPA-F3	5'-TTG-GAA-GCA-GGT-GCT-3'	700	
	SwPA-R3	5'-GGT-TCC-ATT-GGT-TCT-CAC-3'		
	SwPA-F4	5'-TGA-TGT-GGT-GAA-CTT-TGT-AAG-3'	600	
SwPA-R4	5'-AGT-GCA-TGT-GTG-AGG-A-3'			
4 (HA)	SwHA-F1	5'-CCG-CAA-ATG-CAG-ACA-CAT-3'	510	
	SwHA-R1	5'-TTA-ATG-TAG-GAT-TTG-CTG-A-3'		
	SwHA-F2	5'-GGC-CCA-ATC-ATG-ACT-CGA-3'	501	
	SwHA-R2	5'-AGG-CTG-GTG-TTT-ATA-GCA-CC-3'		
	SwHA-F3	5'-CCG-AGA-TAT-GCA-TTC-GC-3'	636	
	SwHA-R3	5'-CGT-TTC-CAA-TTT-CCT-TGG-C-3'		
	SwHA-F4	5'-TTG-ATG-ATG-GTT-TCC-T-3'	387	
SwHA-R4	5'-TTA-GAG-CAC-ATC-CAG-AAA-3'			