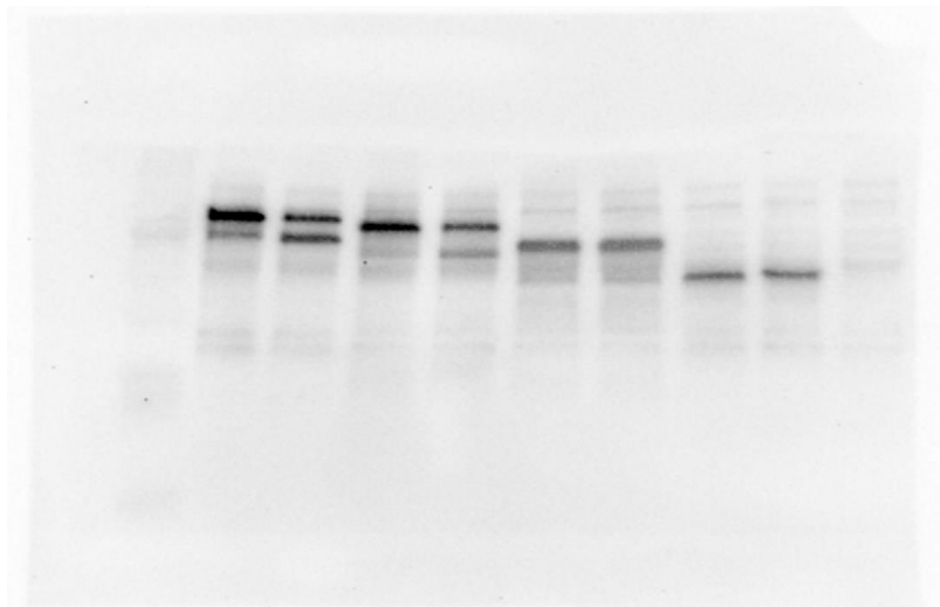
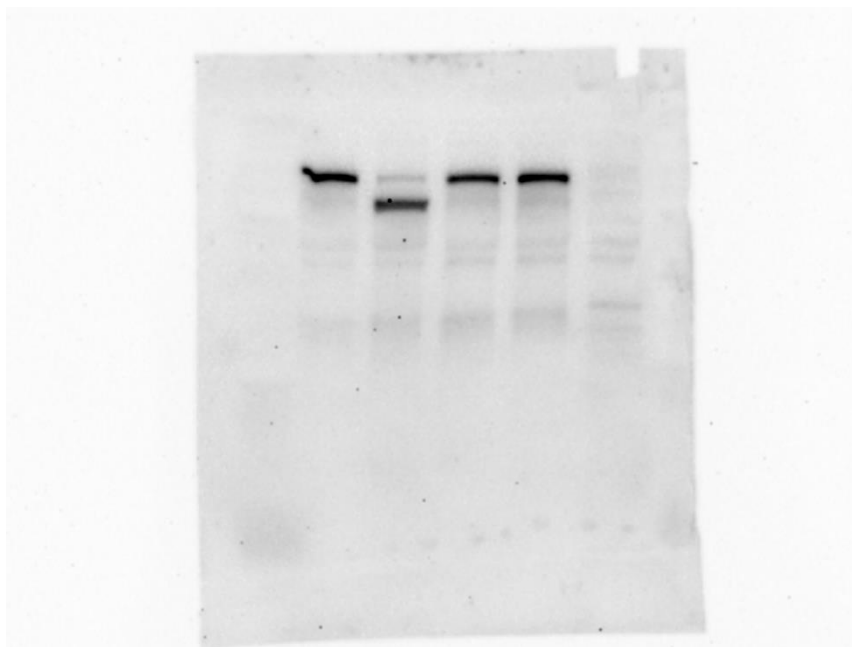


Name of construct	Modification	Primer	Megaprimer size	Template
SARS-CoV-2 NSP1-NSP2 (wt)	Wild Type			
SARS-CoV-2 NSP1-NSP2 (NSP2 598STOP)	NSP2 (Fusion to FLAG-tag at aa598)	Fw: CCATTCTTCGTAAGGGTGGTCGC Rev: GTCGTCATCGTCTTTGTAGTCCAATGGAGCTTCAACAGCTTC	1170 bp	SARS-CoV-2 NSP1-NSP2 (wt)
SARS-CoV-2 NSP1-NSP2 (NSP2 458STOP)	NSP2 (Fusion to FLAG-tag at aa458)	Fw: CCATTCTTCGTAAGGGTGGTCGC Rev: GTCGTCATCGTCTTTGTAGTCACCTTCCTTAACTTCTCTTC	750 bp	SARS-CoV-2 NSP1-NSP2 (wt)
SARS-CoV-2 NSP1-NSP2 (NSP2 247STOP)	NSP2 (Fusion to FLAG-tag at aa247)	Fw: CCATTCTTCGTAAGGGTGGTCGC Rev: GTCGTCATCGTCTTTGTAGTCAGCACGTGGAACCCAATAGGC	120 bp	SARS-CoV-2 NSP1-NSP2 (wt)
SARS-CoV-2 NSP1-NSP2 (NSP2 Δ WVPRA)	NSP2 (Deletion of WVPRA motif)	Fw: GTGTGCCTATAGCGCTAACATAGG Rev: GTACAATCCCTTTGAGTGCGTG	880 bp	SARS-CoV-2 NSP1-NSP2 (wt)
SARS-CoV-2 NSP1-NSP2 (NSP2 W243A)	NSP2 (Modification of motif, W243A)	Fw: CAAGTGTGCCTATGCGGTTCCACGTGCTAGCGCTAACATAGG Rev: GTACAATCCCTTTGAGTGCGTG	898 bp	SARS-CoV-2 NSP1-NSP2 (wt)
SARS-CoV-2 NSP1-NSP2 (NSP2 W243Y)	NSP2 (Modification of motif, W243Y)	Fw: GTGCCTATTATGTTCCACGTGCTAGCGC Rev: GTACAATCCCTTTGAGTGCGTG	893 bp	SARS-CoV-2 NSP1-NSP2 (wt)
SARS-CoV-2 NSP1-NSP2 (NSP2 W243F)	NSP2 (Modification of motif, W243F)	Fw: GTGCCTATTTTGTTCACGTGCTAGCGC Rev: GTACAATCCCTTTGAGTGCGTG	893 bp	SARS-CoV-2 NSP1-NSP2 (wt)
SARS-CoV-2 NSP1-NSP2 (NSP2 P245A)	NSP2 (Modification of motif, P245A)	Fw: GTGCCTATTGGGTTGCACGTGCTAGCGC Rev: GTACAATCCCTTTGAGTGCGTG	893 bp	SARS-CoV-2 NSP1-NSP2 (wt)
SARS-CoV-2 NSP1-NSP2 (NSP2 P245G)	NSP2 (Modification of motif, P245G)	Fw: GTGCCTATTGGGTTGGACGTGCTAGCGC Rev: GTACAATCCCTTTGAGTGCGTG	893 bp	SARS-CoV-2 NSP1-NSP2 (wt)
SARS-CoV-2 NSP1-NSP2 (NSP2 R246A)	NSP2 (Modification of motif, R246A)	Fw: GTGCCTATTGGGTTCCAGCGGCTAGCGCTAAC Rev: GTACAATCCCTTTGAGTGCGTG	893 bp	SARS-CoV-2 NSP1-NSP2 (wt)
T7-NSP3-mCherry	Addition of T7 promoter	Fw: CGTCAGATCCGCTAATACGACTCACTATAGTAGGCCACCATGGC Rev: CCAGAGGCTTGCCCTGGTAGTCGTCTTCGG	470 bp	NSP3-mCherry

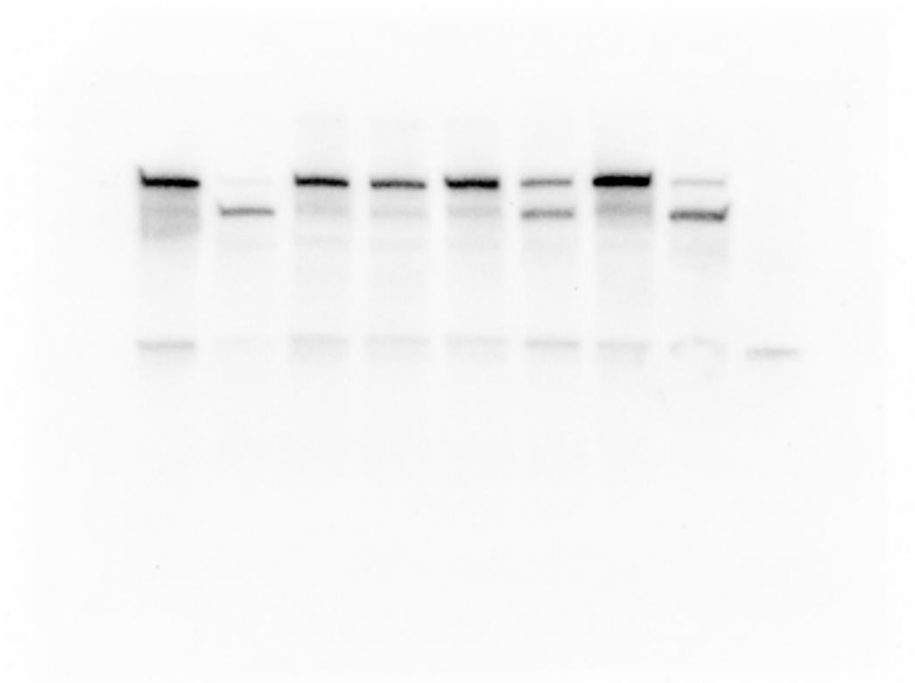
Table S1: Production of the various constructs used in this study. The first column shows the name of the construct, and the second column shows the modification that was introduced into this construct. The third column shows the primers that were used to make the megaprimers for use in a megaPCR to make the construct. The fourth column shows the length of each of the megaprimers, and the last column shows the template used in the PCRs.



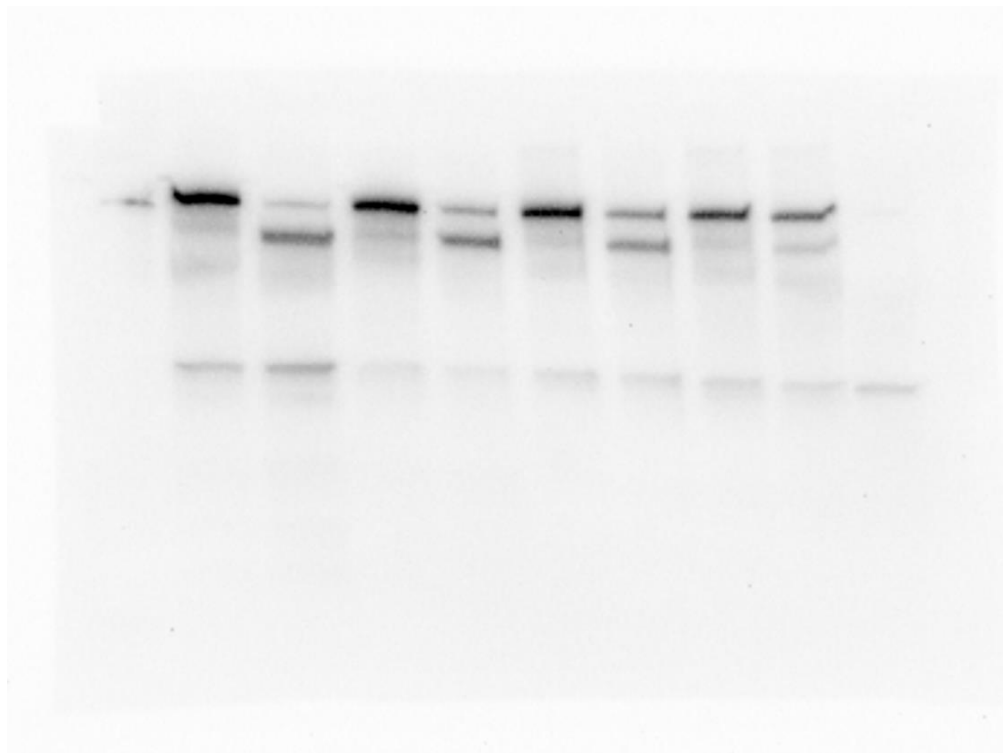
Supplementary Fig 1: The entire WB image corresponding to the image shown in Fig. 4 in the main text.



Supplementary Fig. 2: The entire WB image corresponding to the image shown in Fig. 5 in the main text.



Supplementary Fig 3: The entire WB image corresponding to the image shown in Fig. 6a in the main text.



Supplementary Fig 4: The entire WB image corresponding to the image shown in Fig. 6b in the main text.