

Supplemental Table 2A Preparation of genomic and subgenomic RNA standards

standard	name	start 5' in MHV-A59*	end 3' in MHV-A59*	primer sequence 5'-3'
genomic and subgenomic	T7-MHV-leader15-fw	15	53	ACTGTAATACGACTCACTATAG GGCGTCCGTACGTACCCTCTCAACTCTAAAACCTTGTA
genomic	MHV-ORF1-rev530	530	509	GGCTTAACCAAGACGGCACTAC
subgenomic	MHV-ns2-rev22259	22259	22241	TCAAGCCCAGCATCCGTTA

* AY700211

T7 sequence is indicated in bold

Supplemental Table 2B Primers and probes used in the multiplex qRT-PCR reaction

description	name	start 5' in MHV-A59*	dye	primer sequence 5'-3'	end 3' in MHV-A59*	quencher
Fw Primer Genomic and Subgenomic RNA	Primer MHV-A59-L25fw	25		CGTACCCTCTCAACTCTAAAACCTTGTA	53	
Rev Primer Genomic RNA	Primer MHV-A59-5utr143rev	164		GGCAGAGAACGAAAGTCAAGGA	143	
Probe Genomic RNA	Probe MHV-5UTR-103	103	Yakima Yellow	CCCGCGGCCTGGCTTTGTC	122	BHQ-1
Rev Primer Subgenomic RNA	Primer MHV-ns2-21778rev	21801		GAAATGATTAGGC TTGTCAGCAA	21778	
Probe Subgenomic RNA **	Probe MHV-ns2-sg-MGB	60-69&21752-21765	FAM	ATCTAATCTATACTTGTCTGGCT	**	MGB

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** overlapping Sequence Leader/ns2 subgenomic