

**Supplementary Table S1**

	Sequence 5' – 3'	fragment size	Location	References
PEDV and SeCoV S	TTCTGAGTCATGAACAGCCA CATATGCAGCCTGCTCTGAA	651 bp	22,103-22,122 22,734-22,753	[36]
TGEV and SeCoV N	CAGCAACGCTCTCGTTC CTTTGCCACTTCTGATGG	388 bp	27,541-27,557 27,910-27,928	This Study
PDCoV RdRp	GGAGCAGACAGGCCCGTCAGG CAGGCTTTACACTTTATGCTTCCGGC	446 bp	pEX-F* pEX-R**	

**Sequences of the oligonucleotides used for amplifying fragments inserted into cloning vector to enable *In vitro* transcription of RNA standards.** The locations of the oligonucleotides in the genome are indicated relative to reference sequences: PEDV strain CV777 (Acc. no. NC\_003436) and TGEV strain Purdue (Acc. no. NC\_038861). \*pEX-F and \*\*pEX-R are oligonucleotides that bind to sequences located beside the multiple cloning site of the plasmid pEX-A2.