Table S4. Subtype-specific oligonucleotides designed to sequence the NS3-coding region.

Subtype	PCR Name	Sense	Primer Name	Sequence (5'-3')[a]	Position[b]	Tm (°C)
1a	**External oligonucleotides (5'-3')**					
	RT-PCR 1	**Fw**	**NS3u1a3391**	GAATGGTCTCCAAGGGGTGGAGGT	3391-3414	60.8
		Rv	**NS3d1a4004**	CTGGGGCACTGCTGGTGGRGA	4004-3984	60.2-62.2
	Internal oligonucleotides (5'-3')					
	PCR 1.1	**Fw**	**13u1a3490**	GTTGTAAAACGACGGCCAGTGGGACAAAAA CCARGTGGAGGGT	3490-3512	57.1-58.8
	PCR 1.1	**Rv**	**13d1a3982**	CACAGGAAACAGCTATGACCGAGTTGTCYGT GAACACCGGGGACC	3982-3958	62.6-64.2
	PCR 1.2	**Fw**	**NS3M13u1a3438**	GTTGTAAAACGACGGCCAGTGCCCAGCAGA CRAGGGGCCT	3438-3457	60-62
	PCR 1.2	**Rv**	**NS3M13d1a3982**	CACAGGAAACAGCTATGACCGAGTTGTCYGT GAACACCGGGGA	3982-3960	58.8-60.6
1b	**External oligonucleotides (5'-3')**					
	RT-PCR 1	**Fw**	**NS3u1b3394**	TTGARGGGCAGGGGTGGCGRCT	3394-3415	60.4-64.2
		Rv	**NS3d1b4007**	TGTCTGCGGTACRGCCGGRGG	4007-3987	60.2-64.1
	Internal oligonucleotides (5'-3')					
	PCR 1.1	**Fw**	**13u1b3490**	GTTGTAAAACGACGGCCAGTGGGACAATAA CCAGGTCGAGGGG	3490-3512	60.6
	PCR 1.1	**Rv**	**13d1b3982**	CACAGGAAACAGCTATGACCGARTTGTCYGT GAAGACCGGRGACC	3982-3958	59.3-64.2
	PCR 1.2	**Fw**	**NS3M13u1b3439**	GTTGTAAAACGACGGCCAGTCCCAACAGAC GCGGGGCCTACTT	3439-3461	62.4
	PCR 1.2	**Rv**	**NS3M13d1b3982**	CACAGGAAACAGCTATGACCGARTTGTCYGT GAAGACCGGRGACC	3982-3958	59.3-64.2
2a	**External oligonucleotides (5'-3')**					
	RT-PCR 1	**Fw**	**NS3u2a3387**	GATGGCTACACCTCYAAGGGGTGGA	3387-3411	61-62.6
		Rv	**NS3d2a4007**	GGTCTGGGGCACAGCYGGTGG	4007-3987	62.2-64.1
	Internal oligonucleotides (5'-3')					
	PCR 1.1	**Fw**	**13u2a3490**	GTTGTAAAACGACGGCCAGTGYGACARGAC AGAACAGGCCGGG	3490-3512	60.6-64.2
	PCR 1.1	**Rv**	**13d2a3982**	CACAGGAAACAGCTATGACCCTGTTGTCACT RAAGGTGGGAGACC	3982-3958	59.3-61
	PCR 1.2	**Fw**	**NS3M13u2a3438**	GTTGTAAAACGACGGCCAGTGCCCAGCARA CACGAGGYCT	3438-3457	55.9-60
	PCR 1.2	**Rv**	**NS3M13d2a3983**	CACAGGAAACAGCTATGACCGCTGTTGTCAC TRAAGGTGGGRGA	3983-3960	57.4-60.8
2b	**External oligonucleotides (5'-3')**					
	RT-PCR 1	**Fw**	**NS3u2b3391**	GCTACACCTCGAAGGGGTGGAAGCT	3391-3415	62.6
		Rv	**NS3d2b4004**	CTGGGGCACAGCTGGTGGYGT	4004-3984	60.2-62.2
	Internal oligonucleotides (5'-3')					
	PCR 1.1	**Fw**	**13u2b3490**	GTTGTAAAACGACGGCCAGTGCGACAAAAA TGAGCAGGCCGGG	3490-3512	60.6
	PCR 1.1	**Rv**	**13d2b3982**	CACAGGAAACAGCTATGACCCTGTTGTCAGA GAAACTGGGCGWCC	3982-3958	61
	PCR 1.2	**Fw**	**NS3M13u2b3438**	GTTGTAAAACGACGGCCAGTACYCAGCAGA CTCGTGGYCTCCT	3438-3460	58.8-62.4
	PCR 1.2	**Rv**	**NS3M13d2b3985**	CACAGGAAACAGCTATGACCGTRCTGTTGTC AGAGAAACTGGGCG	3985-3961	59.3-61
2c	**External oligonucleotides (5'-3')**					
	RT-PCR 1	**Fw**	**NS3u2c3384**	GCTGATGGATAYACCTCYAARGGTTGGA	3384-3411	58.5-62.9
		Rv	**NS3d2c4007**	GGTCTGGGGCACAGCTGGAGG	4007-3987	62.2
	Internal oligonucleotides (5'-3')					
	PCR 1.1	**Fw**	**13u2c3490**	GTTGTAAAACGACGGCCAGTGYGACAAGAC RGAMCAGGCTGGG	3490-3512	58.8-64.2
	PCR 1.1	**Rv**	**13d2c3982**	CACAGGAAACAGCTATGACCCTGTTGTCAGT RAAGYTTGGAGACC	3982-3958	56-59.3
	PCR 1.2	**Fw**	**NS3M13u2c3438**	GTTGTAAAACGACGGCCAGTGCCCAGCAAA CCCGAGGKCT	3438-3457	57.9-60

	PCR 1.2	**Rv**	**NS3M13d2c3982**	CACAGGAAACAGCTATGACCCTGTTGTCAGT RAARYTTGGAGACCT	3982-3957	54.8-59.5
2j	**External oligonucleotides (5'-3')**					
	RT-PCR 1	**Fw**	**NS3u2j3387**	GACGAGTACGTCTCCARGGGRTGGA	3387-3411	61-64.2
		Rv	**NS3d2j4005**	TCTGGGGCACAGCTGGRGGCGT	4005-3984	62.3-64.2
	Internal oligonucleotides (5'-3')					
	PCR 1.1	**Fw**	**13u2j3490**	GTTGTAAAACGACGGCCAGTGCGAYAAAAC RGAGTGTGCCGGA	3490-3512	57.1-60.6
	PCR 1.1	**Rv**	**13d2j3982**	CACAGGAAACAGCTATGACCCTGTTGTCAGT GAARCTGGGGGACC	3982-3958	61-62.6
	PCR 1.2	**Fw**	**NS3M13u2j3438**	GTTGTAAAACGACGGCCAGTGCTCAGCAGA CCCGTGGCCT	3438-3457	60
	PCR 1.2	**Rv**	**NS3M13d2j3983**	CACAGGAAACAGCTATGACCGCTGTTGTCAG TGAARCTGGGGGA	3983-3960	59.1-60.8
3a	**External oligonucleotides (5'-3')**					
	RT-PCR 1	**Fw**	**NS3u3a3387**	GATGAYTATCGGGAGATGGGTTGGC	3387-3411	59.3-61
		Rv	**NS3d3a4004**	CTGTGGRACRGCAGGAGGAGTTGAAT	4004-3979	59.5-62.7
	Internal oligonucleotides (5'-3')					
	PCR 1.1	**Fw**	**13u3a3490**	GTTGTAAAACGACGGCCAGTGGGAYAAGAA YGTGGTGACCGGT	3490-3512	57.1-60.6
	PCR 1.1	**Rv**	**13d3a3982**	CACAGGAAACAGCTATGACCGAATTGTCAG AGAARGATGGAGACC	3982-3958	56-57.7
	PCR 1.2	**Fw**	**NS3M13u3a3438**	GTTGTAAAACGACGGCCAGTGCCCAGCAAA CYAGRGGCCTT	3438-3458	56.3-60.2
	PCR 1.2	**Rv**	**NS3M13d3a3988**	CACAGGAAACAGCTATGACCGGAGTTGAATT GTCAGAGAARGATGGAGA	3988-3960	58.7-60.1
4a	**External oligonucleotides (5'-3')**					
	RT-PCR 1	**Fw**	**NS3u4a3391**	CAGAAACATCMAAGGGGTGGAGACT	3391-3415	57.7-59.3
		Rv	**NS3d4a4004**	CTGRGGCACYGCDGGGGGTGT	4004-3984	60.2-66.1
	Internal oligonucleotides (5'-3')					
	PCR 1.1	**Fw**	**13u4a3490**	GTTGTAAAACGACGGCCAGTGGGACACCAA TGARAATTGTGGT	3490-3512	53.5-55.3
	PCR 1.1	**Rv**	**13d4a3982**	CACAGGAAACAGCTATGACCGARTTGTCAGT GAACACTGGTGATC	3982-3958	56-57.7
	PCR 1.2	**Fw**	**NS3M13u4a3439**	GTTGTAAAACGACGGCCAGTCGCAGCAGAC CCGCGGCTT	3439-3457	59.7
	PCR 1.2	**Rv**	**NS3M13d4a3985**	CACAGGAAACAGCTATGACCGTTGARTTGTC AGTGAACACTGGTGA	3985-3960	56.4-58
4d	**External oligonucleotides (5'-3')**					
	RT-PCR 1	**Fw**	**NS3u4d3391**	CGCACRCYATRAAGGGGTGGA	3391-3411	54.4-60.2
		Rv	**NS3d4d4004**	CTGGGGCACGGCAGGAGGAGT	4004-3984	62.2
	Internal oligonucleotides (5'-3')					
	PCR 1.1	**Fw**	**13u4d3490**	GTTGTAAAACGACGGCCAGTGAGACACCAA CGAGAACTGCGGT	3490-3512	58.8
	PCR 1.1	**Rv**	**13d4d3982**	CACAGGAAACAGCTATGACCGAATTGTCAG AGAATACTGGRGACC	3982-3958	56-57.7
	PCR 1.2	**Fw**	**NS3M13u4d3439**	GTTGTAAAACGACGGCCAGTCGCAGCAGAC CCGAGGGAT	3439-3457	57.6
	PCR 1.2	**Rv**	**NS3M13d4d3985**	CACAGGAAACAGCTATGACCGTGGAATTGTC AGAGAATACTGGAGA	3985-3960	56.4
4f	**External oligonucleotides (5'-3')**					
	RT-PCR 1	**Fw**	**NS3u4f3392**	TGAGGTGTCRGGGGGGTGGA	3392-3411	57.9-60
		Rv	**NS3d4f4004**	CTGGGGCACAGCAGGAGGCGT	4004-3984	62.2
	Internal oligonucleotides (5'-3')					
	PCR 1.1	**Fw**	**13u4f3490**	GTTGTAAAACGACGGCCAGTGGGAYACTAA YGAGAAYTGTGGT	3490-3512	51.7-57.1
	PCR 1.1	**Rv**	**13d4f3982**	CACAGGAAACAGCTATGACCGARTTGTCAG ARAAGACCGGGGATC	3982-3958	57.7-61
	PCR 1.2	**Fw**	**NS3M13u4f3438**	GTTGTAAAACGACGGCCAGTGCGCAGCAAA CTCGAGGCTT	3438-3457	55.9
	PCR 1.2	**Rv**	**NS3M13d4f3982**	CACAGGAAACAGCTATGACCGARTTGTCAG AAAAGACCGGGGA	3982-3960	55.3-57.1

[a]The underlined nucleotides indicate universal M13 oligonucleotide

[b]Residue numbering according to the reference strain AF009606