

Table S5. Subtype-specific oligonucleotides designed to sequence the NS5A-coding region.

Subtype	PCR Name	Sense	Primer Name	Sequence (5'-3') ^a	Position ^b	Tm (°C)
1a	External oligonucleotides (5'-3')					
	RT-PCR 2	Fw	NS5Au1a6234	AGCTCGGAGTGYACCACTCCRT	6234-6255	56.7-60.4
		Rv	NS5Ad1a6879	GGGAGGGATCAGTGAGCATGGA	6879-6858	58.6
	Internal oligonucleotides (5'-3')					
	PCR 2.1	Fw	13u1a6299	<u>GTTGTAAAACGACGGCCAGTGGTGCTGAG</u> CGAYTTTAAAGACCTGGCT	6299-6325	61.3-62.8
	PCR 2.1	Rv	13d1a6735	<u>CACAGGAAACAGCTATGACCTATGYAGG</u> CGACCCCGTCCA	6735-6715	58.3-60.2
	PCR 2.2	Fw	NS5AM13u1a6260	<u>GTTGTAAAACGACGGCCAGTCGGTTCCTG</u> GCTAAGGGACAT	6260-6280	56.3
	PCR 2.2	Rv	NS5AM13d1a6799	<u>CACAGGAAACAGCTATGACCTCGTGKAGT</u> CCYACTCTGAA YGA	6799-6777	53.5-58.8
1b	External oligonucleotides (5'-3')					
	RT-PCR 2	Fw	NS5Au1b6234	AAYGAGGACTGCTCCACGCCAT	6234-6255	56.7-58.6
		Rv	NS5Ad1b6879	GGGAGGGGTTCGGTGAGCAT	6879-6861	57.6
	Internal oligonucleotides (5'-3')					
	PCR 2.1	Fw	13u1b6299	<u>GTTGTAAAACGACGGCCAGTGGTGTTGAC</u> TGAYTTCAAGACCTGGCT	6299-6325	59.7-61.3
	PCR 2.1	Rv	13d1b6735	<u>CACAGGAAACAGCTATGACCTGTGCARCC</u> GYACCCCRCCA	6735-6715	56.3-62.2
	PCR 2.2	Fw	NS5AM13u1b6259	<u>GTTGTAAAACGACGGCCAGTCCGGCTCGT</u> GGCTAAGGGA	6259-6277	57.6
	PCR 2.2	Rv	NS5AM13d1b6799	<u>CACAGGAAACAGCTATGACCTGGTTGAGC</u> CCGACCTGGAATGT	6799-6777	58.8
2a	External oligonucleotides (5'-3')					
	RT-PCR 2	Fw	NS5Au2a6234	ACTGAGGACTGCCCATCCCAT	6234-6255	58.6
		Rv	NS5Ad2a6880	TGGGAYGGATCTGTTAGCATGGA	6880-6858	55.3-57.1
	Internal oligonucleotides (5'-3')					
	PCR 2.1	Fw	13u2a6299	<u>GTTGTAAAACGACGGCCAGTCATCCTRAC</u> AGACTTYAAAAAYTGGCT	6299-6325	52.1-58.2
	PCR 2.1	Rv	13d2a6735	<u>CACAGGAAACAGCTATGACCTRTGGATYT</u> GCACTCCGTCCA	6735-6715	52.4-56.3
	PCR 2.2	Fw	NS5AM13u2a6260	<u>GTTGTAAAACGACGGCCAGTCGGMTCVT</u> GGCTCCGCGAYGT	6260-6280	58.3-64.1
	PCR 2.2	Rv	NS5AM13d2a6793	<u>CACAGGAAACAGCTATGACCAGCCCAAC</u> GCWRAACGAGACCTC	6793-6771	58.8-60.6
2b	External oligonucleotides (5'-3')					
	RT-PCR 2	Fw	NS5Au2b6230	GATCACTGAAGATTGCCAGTCCCAT	6230-6255	59.5
		Rv	NS5Ad2b6879	GGGACGGGTCTGTCAACATGGA	6879-6858	58.6
	Internal oligonucleotides (5'-3')					
	PCR 2.1	Fw	13u2b6299	<u>GTTGTAAAACGACGGCCAGTCATYCTCAC</u> AGACTTTAAGA AACTGGCT	6299-6325	56.7-58.2
	PCR 2.1	Rv	13d2b6735	<u>CACAGGAAACAGCTATGACCGGTGTATYT</u> GCACCCCGTCCA	6735-6715	56.3-58.3
	PCR 2.2	Fw	NS5AM13u2b6260	<u>GTTGTAAAACGACGGCCAGTGGGGTCTTG</u> GCTCCRGA	6260-6277	54.9-57.2
	PCR 2.2	Rv	NS5AM13d2b6799	<u>CACAGGAAACAGCTATGACCGAATTGAG</u> GCCYACRGTGAACGT	6799-6777	55.3-58.8
2c	External oligonucleotides (5'-3')					
	RT-PCR 2	Fw	NS5Au2c6237	GARGAYTGCCCYGTCCCT	6237-6255	53.2-59.7
		Rv	NS5Ad2c6882	TGTGGGAYGGGTCYGTTCAT	6882-6861	54.8-58.6
	Internal oligonucleotides (5'-3')					
	PCR 2.1	Fw	13u2c6299	<u>GTTGTAAAACGACGGCCAGTRATCCTGAC</u> AGACTTYAAGARTTGGCT	6299-6325	55.2-59.7
	PCR 2.1	Rv	13d2c6735	<u>CACAGGAAACAGCTATGACCGATGGATYT</u> GRACYCCGTCCA	6735-6715	52.4-58.3
PCR 2.2	Fw	NS5AM13u2c6256	<u>GTTGTAAAACGACGGCCAGTGCTCYRGCT</u> CATGGCTYCGAGA	6256-6277	56.7-62.3	

	PCR 2.2	Rv	NS5AM13d2c6799	<u>CACAGGAAACAGCTATGACCGAGTTGAG</u> MCCCACGCWGAACGA	6799-6777	58.8-60.6	
2j	External oligonucleotides (5'-3')						
	RT-PCR 2	Fw	NS5Au2j6229	GGATCACTGAGGACTGYCCCGT	6229-6250	58.6-60.4	
		Rv	NS5Ad2j6878	GGAYGGGTCCGTCAGCATGGA	6878-6858	58.3-60.2	
	Internal oligonucleotides (5'-3')						
	PCR 2.1	Fw	13u2j6299	<u>GTTGTA AACGACGGCCAGTCATCTTGAC</u> TGACTTYAARAAYTGGCT	6299-6325	53.7-58.2	
	PCR 2.1	Rv	13d2j6735	<u>CACAGGAAACAGCTATGACCGRTGGATCT</u> GYACCCCRTPCCA	6735-6715	54.4-60.2	
	PCR 2.2	Fw	NS5AM13u2j6261	<u>GTTGTA AACGACGGCCAGTGGCTCTTGG</u> CTTCGCGACATAT	6261-6282	56.7	
PCR 2.2	Rv	NS5AM13d2j6799	<u>CACAGGAAACAGCTATGACCGAGTTGAG</u> GCCACGCTAAACGA	6799-6777	58.8		
3a	External oligonucleotides (5'-3')						
	RT-PCR 2	Fw	NS5Au3a6230	GATCAATGAAGACTACCCAAGYCCCTT	6230-6255	56.4-58	
		Rv	NS5Ad3a6874	GGGTCTCTCAACATCGAGGTCA	6874-6853	56.7	
	Internal oligonucleotides (5'-3')						
	PCR 2.1	Fw	13u3a6299	<u>GTTGTA AACGACGGCCAGTGGTYTGTC</u> YGACTTCAAGACATGGCT	6299-6325	59.7-62.8	
	PCR 2.1	Rv	13d3a6735	<u>CACAGGAAACAGCTATGACCGGTGGAGT</u> CTCACCCRTCCA	6735-6715	58.3-60.2	
	PCR 2.2	Fw	NS5AM13u3a6260	<u>GTTGTA AACGACGGCCAGTCGGYGATTG</u> GCTGCGTACCAT	6260-6280	56.3-58.3	
PCR 2.2	Rv	NS5AM13d3a6799	<u>CACAGGAAACAGCTATGACCGAATTCAW</u> CCCTACCRGTGAAAGTGAT	6799-6774	54.8-56.4		
4a	External oligonucleotides (5'-3')						
	RT-PCR 2	Fw	NS5Au4a6230	GATCAATGAAGATTGYTCCACYCCAT	6230-6255	54.8-58	
		Rv	NS5Ad4a6879	GTGATGGGTCTGTCARCATGGA	6879-6858	54.8-56.7	
	Internal oligonucleotides (5'-3')						
	PCR 2.1	Fw	13u4a6299	<u>GTTGTA AACGACGGCCAGTCGTGCTGAG</u> TGACTTCAAGACGTGGCT	6299-6325	62.8	
	PCR 2.1	Rv	13d4a6735	<u>CACAGGAAACAGCTATGACCGGTGTAGY</u> CTGAYGCCGTCYA	6735-6715	54.4-60.2	
	PCR 2.2	Fw	NS5AM13u4a6260	<u>GTTGTA AACGACGGCCAGTCGAATCTTG</u> GCTRTGGGAGGT	6260-6280	54.4-56.3	
PCR 2.2	Rv	NS5AM13d4a6799	<u>CACAGGAAACAGCTATGACCGAATTGAGT</u> CCTACYGAGAACGA	6799-6777	53.5-55.3		
4d	External oligonucleotides (5'-3')						
	RT-PCR 2	Fw	NS5Au4d6234	AACGAGGACTGCTCTACTCCTT	6234-6255	54.8	
		Rv	NS5Ad4d6879	GAGATGGATCTGTCAGCATAGA	6879-6858	53	
	Internal oligonucleotides (5'-3')						
	PCR 2.1	Fw	13u4d6299	<u>GTTGTA AACGACGGCCAGTCGTACTGAG</u> TGACTTTAAACGTGGCT	6299-6325	58.2	
	PCR 2.1	Rv	13d4d6735	<u>CACAGGAAACAGCTATGACCGATGGAGC</u> CTGACGCCATCCA	6735-6715	58.3	
	PCR 2.2	Fw	NS5AM13u4d6256	<u>GTTGTA AACGACGGCCAGTGTGATCGCT</u> CTTGGTTATGGGAGAT	6256-6280	57.7	
PCR 2.2	Rv	NS5AM13d4d6799	<u>CACAGGAAACAGCTATGACCGTGTGAGG</u> CCCCTGTAAAGGA	6799-6777	57.1		
4f	External oligonucleotides (5'-3')						
	RT-PCR 2	Fw	NS5Au4f6227	GTGGATCAATGAAGACTGYCCYACT	6227-6251	56-59.3	
		Rv	NS5Ad4f6879	GGGATGGGTCTGTAAGCATGGA	6879-6858	56.7	
	Internal oligonucleotides (5'-3')						
	PCR 2.1	Fw	13u4f6299	<u>GTTGTA AACGACGGCCAGTCGTAYTGTC</u> TGACTTYAAGACYTGGCT	6299-6325	56.7-61.3	
	PCR 2.1	Rv	13d4f6735	<u>CACAGGAAACAGCTATGACCGGTGAAKT</u> CTRACRCCATCCA	6735-6715	50.5-56.3	
	PCR 2.2	Fw	NS5AM13u4f6256	<u>GTTGTA AACGACGGCCAGTGTGACTCAT</u> CYTGGCTRTGGGA	6256-6277	54.8-58.6	
PCR 2.2	Rv	NS5AM13d4f6798	<u>CACAGGAAACAGCTATGACCAGTTRAGGC</u> CCACGGAGAACGT	6798-6777	56.7-58.6		

^aThe underlined nucleotides indicate universal M13 oligonucleotide

^bResidue numbering according to the reference strain AF009606