

S2: RT-PCR primers, mixes and conditions

Primers

Amplicon	Forward Primer		Reverse Primer	
	Name	Sequence (5' > 3')	Name	Sequence (5' > 3')
L6	MeV-L6-2F	CGGGAACCTTCAGGAGAAAG	MeV-L6-3R ³	CCCCCGTCTTGGAYTGTCTG
L7 ¹	MeV-L7nF	AGACCACCAACCGCATCCC	MeV-L7nR	GGCTCGTCTCAGATTGTCTG
L7n ²	MeV-L7-1F ³	CGCACAAAGCGACCGAGGTG	MeV-L7-3R	CTAGGGCCGCACCTGCCAG

¹ RT-PCR round

² second PCR round

³ Primers L6-2F, L6-3R, L7-1F and L7-3R are used for Sanger sequencing. Primers anchoring inside the MF-NCR (L6-3R and L7-1F) are diluted in betaine for sequencing (Fig S1).

1st round (RT-PCR) – L6 & L7

Kit: OneStep RT-PCR (Qiagen®, 210212)

Mix

Reagent	Volume / rxn (µl)
Nuclease-free water	20
5x buffer	10
5x Q	10
dNTPs	2
30 µM primer mix	1
Enzyme mix	2
RNA	5
<i>Total volume</i>	50

PCR conditions

Stage	T (°C)	time
RT	50	30 minutes
Initial denaturation	95	15 minutes
40 cycles of:		
- Denaturation	94	80 seconds
- Annealing	55	90 seconds
- Extension	72	2 minutes
Final extension	72	10 minutes

2nd round (PCR) – L7n

Kit: Taq master mix (Qiagen®, 201443)

Mix

Reagent	Volume / rxn (µl)
Nuclease-free water	19
30 µM primer mix	1
2x master mix	25
cDNA	5
Total volume (µl)	50

PCR conditions

Stage	T (°C)	time
Initial denaturation	94	3 minutes
40 cycles of:		
- Denaturation	94	80 seconds
- Annealing	55	90 seconds
- Extension	72	2 minutes
Final extension	72	10 minutes