

Table S1: Primer, probe sequences and PCR and RT-PCR cycle conditions.

Primer or Probe	Sequence	Target
SpuIN F	5'-GGACCTGTAATAGACTGGAA-3'	Total viral DNA PCR size product:551bp
SpuR	5'-ATTTGCAGGTCTAATACTCTCC-3'	
SpA	5'-TAGTATAATCATTCCGCTTTTCG-3'	2 LTR circles and U5-U3 RNA PCR size product: 413bp
SpF	5'-CAATAAACCGACTTGATTGAG-3'	
SpFL*	5'-GAGAGACACAAGGTTCTTAAATTGTCCTCATTTCGC-3' ^a	
SpLC*	5'-ACTCCCTCTGACATCCAACGCTGGGCTAC-3' ^b	
LambdaT-SpA	5'-ATGCCACGTAAGCGAAACTTAGTATAATCATTCCGCTTTTCG-3'	
Alu 1	5'-TCCCAGCTACTGGGAGGCTGAGG-3'	Integrated viral DNA (first round)
Alu 2	5'-GCCTCCCAAAGTGCTGGGATTACAG-3'	
LambdaT	5'-ATGCCACGTAAGCGAAACT-3'	Integrated viral DNA (second round) PCR size product: 234bp
Nested R	5'-GAAACTAGGGAAAACCTAGG-3'	
SpFL*	5'-GAGAGACACAAGGTTCTTAAATTGTCCTCATTTCGC-3' ^a	
SpLC*	5'-ACTCCCTCTGACATCCAACGCTGGGCTAC-3' ^b	
Spuma S	5'-CAAGGTTCTTAAATTGTCCTCATTC-3'	
Spuma A	5'-TTTCCGCTTTGGTGACCA-3'	Total viral RNA PCR size product: 101bp
Spuma TM*	5'-ACTCCCTCTGACATCCAACGCTGGGC _x T-3' ^c	
CYC F	5'-CATCTGCACTGCCAAGACTGAG-3'	Cyclophilin A
CYC R1	5'-AGGGAACAAGGAAAACATGGAA-3'	
CYC FL*	5'-CCTCCACCCCATTTGCTCGCAGTA _x -3' ^c	
CYC LC*	5'-CCTAGAATCTTTGTGCTCTCGCTGCAGT-3' ^b	

*: Probe sequence. A: modified probe with a 3' fluorescein. B: modified probe with LC red 640 dye at the 5' end and phosphorylated at the 3' end. C: modified probe with 6-carboxyfluorescein (FAM) at the 5' end and phosphorylated at the 3' end. X: 5-carboxytetramethylrhodamine group. Primers and probes were purchased from TIB MOLBIOL (Berlin, Germany).

Target	RT	Denaturation	PCR cycles
Total viral DNA	none	95°C 10min	(95°C 10s, 60°C 10s, 72°C 30s)x50
2 LTR circles	none	95°C 10min	(95°C 15s, 58°C 10s, 72°C 20s)x50
Integrated viral DNA (first round)	none	95°C 8min	(95°C 10s, 60°C 10s, 72°C 170s)x15
Integrated viral DNA (second round)	none	95°C 8min	(95°C 10s, 63°C 10s, 72°C 8s)x50
Total viral RNA	61°C 25min	95°C 4min	(95°C 15s, 60°C 60s)x50
U5-U3 RNA	61°C 25min	95°C 4min	(95°C 1s, 58°C 10s, 72°C 20s)x50
Cyclophilin A	61°C 25min	95°C 4min	(95°C 1s, 56°C 10s, 72°C 15s)x50