

A. RT-PCR and sequencing transcript variants			
Transcript	Primer sequence	TM	Amplicon size
RPL4	Forward: 5' CGAATGAGAGCTGGCAAAGGCAAA 3'	60°C	243 bp
	Reverse: 5' ACGCCAAGTGCCGTACAATTCATC 3'		
PCNA (Fa + Ra)	Forward: 5' ATATTAGCTCCAGCGGTGTAAA 3'	55°C	613 bp
	Reverse: 5' ACATCTGCAGACATACTGAGTG 3'		
PCNA1	Forward: 5'TGGTTCTGGAGGTAACCGG 3'	55.5°C	916 bp
	Reverse: 5' ACATCTGCAGACATACTGAGTG 3'		
PCNA2	Forward: 5' ATTAAACGGTTGCAGGCGTAG 3'	55.5°C	858 bp
	Reverse: 5' ACATCTGCAGACATACTGAGTG 3'		
PCNA3	Forward: 5' ATTAAACGGTTGCAGGCGTAG 3'	54.5°C	425 bp
	Reverse: 5' TACTCCTGTTCTGCTGGTGAGGTT 3'		
B. 3'RACE System for Rapid Amplification of cDNA Ends RT-PCR			
3'RACE PCNA3	Forward: 5' AACCTCACCAGGAACAGGAGTAC 3'	60.5°C	740 bp
	Reverse: 5' GGCCACGCGTCGACTAGTAC 3'		
3'RACE PCNA3	Forward: 5' GCTGTGTAGTAAAGATGCCTTCTG 3'	60°C	726 bp
	Reverse: 5' GGCCACGCGTCGACTAGTAC 3'		

nested				
3'RACE PCNA4	Forward: 5'GCTCCATCCTCAAGAAGTATGTCCAA 3'			
	Reverse: 5' GGCCACGCGTCGACTAGTAC 3'	60.5°C	912 bp	
3'RACE PCNA4	Forward: 5' ATACTAAAATGCGCCGGCAATGAA 3'			
nested	Reverse: 5' GGCCACGCGTCGACTAGTAC 3'	60°C	885 bp	
C. Digital droplet RT-PCR expression of transcript variants				
RPS18	Forward: 5' CAGCCAGGTCCTAGCCAATG 3'			
	Reverse: 5' CCCTCTATGGGCCCCGAATCT 3'	60°C	82 bp	
PCNA-1q	Forward: 5' CTGGTTCTGGAGGTAACCGGT 3'			
	Reverse: 5' GACCGGCTGAGACTTGCGTAA 3'	60°C	116	
PCNA-2q	Forward: 5' CATTAAACGGTTGCAGGCGTAGC 3'			
	Reverse: 5' CAACAACGCCGCTACAGGCA 3'	60°C	148 bp	
PCNA-3q	Forward: 5' GGGATATTAGCTCCAGCGGTGT 3'			
	Reverse: 5' GTACTCCTGTTCTTGGTGAGGTT 3'	60°C	151 bp	
PCNA-4q	Forward: 5' TAGACTTTCCTCCTTCCCGCCTG 3'			
	Reverse: 5' TTGGACATACTTCTTGAGGATGGAGC 3'	60°C	105 bp	

