REP1

TGAAATTGAA TCAACTCATC AAATTAAACA ACTCTCAAGA AAATTTACAA 50
TGGGCTATCT CAAGGCTAAT ATACCAATTC TCTCCTTCCT AATATTTTAA 100
TTGGATGACT ACATTTTTAA CACATTTAAA TAAAATAAAA AAAAAAAATT 150
TTTAAGAATT TTTTTTAAAA AAATATTATA CAATGTA**GAA TGACATATAG 200**
TGTGGAATGA CATACAACGT GGAATGACAT ATAGTGTGGA ATGACATACA 250
ACGTGGAATG ACATTGTTGT GACATGACTA TAATTCTACA TTATACCAAT 300
AAATTTTTAA ATTATTAATT AGAGGCAATT TACAAAATAA ATATGTCTAT 350
ATATTTAATA ATACAAAAAC AAATAAAATT TATAAAACTA ATATAAAATA 400
TTCTAT 406

Repeat: GAATGACATATAGTGTGGAATGACATACAACGTG
Number: 2

REP2-1

TGAAATAAAT ACAACTACTA TTCCAATGTC TATCAACCGG AGTTAATGAG 50
AACCTACGAT GCTCTGTATT CAAAACATAA AATACTCAAT CAATCTGCAA 100
AATATTTAAA AAAAAAAAAA AAAAAGATGA CCCAAATTAG ATCCAAAATG 150
CTCAGATAAA AAATAAGGAA AACTACTCCC AACTCAATAT CTACAAAATT 200
AACTATGCTA GCAACTTTGA TAATCTTGGT AATTTTGGGA TTCCAAGTTA 250
TTCGGAAAAC TCGGGAAT**TT GAGGAATTTG ATGAAATTGA TGTAATTGAT 300**
GAAATTGATG CAATTGATGC AATTGATGAA ATTGATGAAT TTGATGACTT 350
TGATGTACTT AGATGATTTT GATGAATTTG ATGACTTAGA TGACATTGAT 400
GACTTTGATA ACAGAAAATA AAAATGTGAA TTTTAATTTA GTATGAAAAA 450
TAATAATAAA AATAAAATAA ATTAAAATAT ATATAAACAC AATAAAAAAA 500
AAATTTAATT 510

Repeat:TTGATGAAA
Number: 8

REP2-2

TGAAAGAAAA AATCAGCTCC CAAAATTTAA AATTCTCACT CAAAAAAAAA 50
AAAAACTTAA AGAATCATTC AAGAATTTGC AGGCCCTTTT CAATGTGAGC 100
CAAGTATTGA ACAAACGCCC TTCATGTTTG TTCAAATGGA AGAAATAGTG 150
AGGAGTTTCT TTAATAACCA TGAAGTTACT GTCTTATACA ATGTGAGTCA 200
TGTATAGTAT ATGTACATCC ATAACTATTA AAAAAAAACT GAAAGAATCA 250
CCCATGAAGT TTAAGC**CCTA TACAATGTGA GTCATGTATA GAACAAGCCC 300**
TTCATGTTTG TTCAAAGTGG AGGCAATAGT GAGGAGTTTC TTTAATAACC 350
ATGAAGTTAC TGTCCTATAC AATGTGAGTC ATGTATAGTA TATGTACATC 400
CATACTATTA AATAAATTTA AAGAATCACC CATGAAGTTT AAGCCCTATA 450
CAATGTGAGT CATGTATAGA ACAAGCCCTT CATGTTTGTT CAAAGTGGAG 500
GCAATAGTGA GGAGTTTCTT TAATAACCAT GAAGTTACTG TCCTATACAA 550
TGTGAGTCAT GTATAGTATA TGTACATCCA TAACTATTAA AAAAAACTGA 600
AAGAATCACC CATGAAGTTT AAGCCCTATA CATGTATAGA ACAAGCCCTT 650
CATGTTTGTT CAAAAGTAAG AATAAATTAT TTTTCATGTT AAGCGCAAAT 700
AAATAATTAA AAATAATAAA CAATAAATTA AATAAATTAA TTGACTCGGA 750
ACAATAAATA GAAAAAGGTT ATTAAATTAC CAAATTGTTC TGGAATTAAT 800
GAGAAAAAGA GGAAACTGGG TGTATATTAA ATATTCAAAA ATCAGATATT 850
GATTGAATTA TTAAAAATTA ATAATTTGGA AAATACCTAA AAATAAATAA 900
AAATTATCTA TATAAATATA ATAAAAATAA ATT 933

Repeat:CCTATACAATGTGAGTCATGTATAGTAGATGAACGTCGAGGCTATTGAAAG
GAGTTTCATTAATAACCATGAAGTTTAAGTCCTATACAATGTGAGT
Number : 3

REPR6

TGAAATAAAA TAAGCCTCGA AAATTTAATT ATTCTCACTA AAATATCCTT 50
TTTTGTACCC CCTTAAGTTT CTCTCTTTCG ATGATAAAAA TAAAAAAATA 100
AAATTAAAAT AAATATTAAT AATAAAAATA ATAATCAAAT AATAATCAAT 150
TATTGAAGAT ATTTTCATTG AAATGCTAGA TTTACTAATA AACTAAAAAA 200
TTAGCTTTAA TAAGCAAAGC TAAATTAATA ATATTTAATG CTTTTTATTC 250
AAAAGATATA ATATGCTCAA ATTGTCCAAA TCAACAAAAA TAAAAATAAA 300
TAAAAAAGGG GGTGCTCTCA TGATCTTTCG TTAATTAATA ATTTAAAAAA 350
TAATGATCGA ATCTACCAAG ATATTTCTAA AGTTAGATGA ACAAATAAGA 400
AAACTACACC CCCCCCCCCC TCCCCCCCTC CCATTAAACT CATCCAACTT 450
ATGAAACTCA TATGGAACTC ATGTAGCTCA AGTAACTCAT GTAATTCATG 500
GAACTCATGA AGCTCCTGAA GAAACTCCTG CAACTCCAGC TCCTACAACT 550
CCTGAAACTC CTGAAGCTCC G**GAAGCTACA GAAGCTACAG AAGCTACGGA 600**
AGCTCCGGCA ACTAAATGGA GTGACGTTGA TACTATATAT AATATTTGAA 650
TTAAATAAAT AAACAAATTG CTTTGAAAAC CCTTATCTAG ACCTACAGAT 700
TAACACAAAA AAATAAATAA AATAAAATAT ATAAAATTGT TTTTCTATAA 750
TATAATTTAA 76

Repeat: GAAGCTACA
Number: 5

Figure C: A tandemly repeated sequence occurs in four of the five REP elements.
The 3`UTR sequence of respective REP elements is defined here as the sequence immediately downstream of the **TGA** stop codon of ORF2 to the conserved 54bp sequence. The region containing the tandemly repeated sequence is **bolded** and the actual repeat, as well as the number of times repeated, is listed below the respective REP element 3`UTR. The numbering begins at the stop codon of ORF2 of the respective REP element.