File S1. Sequence analysis of MpDV genome and transcriptome. (a) Analysis of the 5′- and 3′-inverted terminal repeat (ITR) sequences of MpDN1 and MpDN2 with Needle pairwise alignments. (b) Secondary structures of the 5′- and 3′-telomers of MpDV1 and MpDV2 predicted using RNAFold WebServer: (http://rna.tbi.univie.ac.at/cgi-bin/RNAWebSuite/RNAfold.cgi) with DNA parameters of Matthews model 2004 at 30°C. (c) Multiple sequence alignment of MpDV1, MpDV2 and MpnDV using Muscle v3.8 with annotations (SNPs, indels and cis-elements driving transcription, splicing and translation). (d) Multiple sequence alignment of Trinity contigs representing MpDV1 mRNAs. The contigs were assembled from Illumina mRNA-seq reads obtained from *M. persicae* aphids fed on *A. thaliana* mock-inoculated (APFV-5-6-7) or TuYV-infected plants (APFV-11-12-13) or on artificial diets with TuYV virions (APFV-8-9-10) or without virions (APFV-14-15-16).

(a) **Analysis of the 5′- and 3′-inverted terminal repeats (ITR) of MpDN1 and MpDN2** with Needle pairwise alignments

MpDV1

The 5′- and 3′-ITRs of **MpDV1** are imperfect inverted repeats that differ by flop-flop inversion of the 34 nt palindrome sequence and one 1-nt insertion in the 3′-ITR

```
MpDV1 5′ITR              1 ATATAAAAAGATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGC     50
                           ||||||||||||||||||||||||||||||||||||||||||||||||||
MpDV1 3′ITR rev-com      1 ATATAAAAAGATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGC     50

MpDV1 5′ITR             51 GGGGGGTATCCTTGTTATCTATACTTATTGTCAACACTAGCCTTATCTTA    100
                           ||||||||||||||||||||||||||||||||||||||||||||||||||
MpDV1 3′ITR rev-com     51 GGGGGGTATCCTTGTTATCTATACTTATTGTCAACACTAGCCTTATCTTA    100

MpDV1 5′ITR            101 GGGC--GTGTC--GGCC--GACACGTGTCATGGCCATGACACTAGCCCTA    144
                           ||||  |||||  ||||  ||||||||||  ||||  |||||  ||||||
MpDV1 3′ITR rev-com    101 GGGCTAGTGTCATGGCCATGACACGTGTC--GGCC--GACAC--GCCCTA    144

MpDV1 5′ITR            145 AGATAAGGCTAGTGTTGACAATAAGTATAGATAAC-AAGGATACCCCCCG    193
                           |||||||||||||||||||||||||||||||||||| ||||||||||||||
MpDV1 3′ITR rev-com    145 AGATAAGGCTAGTGTTGACAATAAGTATAGATAACAAAGGATACCCCCCG    194

MpDV1 5′ITR            194 CCCCCCGGAAGTAGGTAGTGGTTATTATTAGTAGGGGATCTTTTTATATA    243
                           ||||||||||||||||||||||||||||||||||||||||||||||||||
MpDV1 3′ITR rev-com    195 CCCCCCGGAAGTAGGTAGTGGTTATTATTAGTAGGGGATCTTTTTATATA    244

MpDV1 5′ITR            244 ATAAAAAGATAGACAAGTATCCAGTAGGCGACTAGGTGGGGGTGACGTCA    293
                           ||||||||||||||||||||||||||||||||||||||||||||||||||
MpDV1 3′ITR rev-com    245 ATAAAAAGATAGACAAGTATCCAGTAGGCGACTAGGTGGGGGTGACGTCA    294

MpDV1 5′ITR            294 TCACTATTTACTCAAGTGTTT    314
                           |||||||||||||||||||||
MpDV1 3′ITR rev-com    295 TCACTATTTACTCAAGTGTTT    315
```

The 242 nt 5′-terminal sequence and the 243 nt 3′-terminal sequence of the **MpDV1** genome are direct repeats differing by one nucleotide insertion in the 3′-repeat sequence

```
MpDV1 5′ITR 5′-term      1 ATATAAAAAGATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGC     50
                           ||||||||||||||||||||||||||||||||||||||||||||||||||
MpDV1 3′ITR 3′-term      1 ATATAAAAAGATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGC     50

MpDV1 5′ITR 5′-term     51 GGGGGGTATCC-TTGTTATCTATACTTATTGTCAACACTAGCCTTATCTT     99
                           |||||||||||| ||||||||||||||||||||||||||||||||||||
MpDV1 3′ITR 3′-term     51 GGGGGGTATCCTTTGTTATCTATACTTATTGTCAACACTAGCCTTATCTT    100

MpDV1 5′ITR 5′-term    100 AGGGCGTGTCGGCCGACACGTGTCATGGCCATGACACTAGCCCTAAGATA    149
                           ||||||||||||||||||||||||||||||||||||||||||||||||||
MpDV1 3′ITR 3′-term    101 AGGGCGTGTCGGCCGACACGTGTCATGGCCATGACACTAGCCCTAAGATA    150

MpDV1 5′ITR 5′-term    150 AGGCTAGTGTTGACAATAAGTATAGATAACAAGGATACCCCCCGCCCCCC    199
                           ||||||||||||||||||||||||||||||||||||||||||||||||||
MpDV1 3′ITR 3′-term    151 AGGCTAGTGTTGACAATAAGTATAGATAACAAGGATACCCCCCGCCCCCC    200

MpDV1 5′ITR 5′-term    200 GGAAGTAGGTAGTGGTTATTATTAGTAGGGGATCTTTTTATAT    242
                           |||||||||||||||||||||||||||||||||||||||||||
MpDV1 3′ITR 3′-term    201 GGAAGTAGGTAGTGGTTATTATTAGTAGGGGATCTTTTTATAT    243
```

The 242 nt 5′-terminal sequence of the **MpDV1** genome is an imperfect palindrome due three 2-nt (TA) insertions creating **short** and **longer more stable** **stem-loop**s at the hairpin's top

```
MpDV1 5′-term            1 ATATAAAAAGATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGC     50
                           ||||||||||||||||||||||||||||||||||||||||||||||||||
MpDV1 5′-term rc         1 ATATAAAAAGATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGC     50

MpDV1 5′-term           51 GGGGGGTATCCTTGTTATCTATACTTATTGTCAACACTAGCCTTATCTTA    100
                           ||||||||||||||||||||||||||||||||||||||||||||||||||
MpDV1 5′-term rc        51 GGGGGGTATCCTTGTTATCTATACTTATTGTCAACACTAGCCTTATCTTA    100

                                ---->  loop  <----------->loop<------
MpDV1 5′-term          101 GGGC--GTGTC--GGCC--GACACGTGTCATGGCCATGACACTAGCCCTA    144
```

```
                          ||||  |||||  ||||  ||||||||||  ||||  |||||  ||||||
MpDV1 5’-term rc      101 GGGCTAGTGTCATGGCCATGACACGTGTC--GGCC--GACAC--GCCCTA    144

MpDV1 5’-term         145 AGATAAGGCTAGTGTTGACAATAAGTATAGATAACAAGGATACCCCCCGC    194
                          ||||||||||||||||||||||||||||||||||||||||||||||||||||
MpDV1 5’-term rc      145 AGATAAGGCTAGTGTTGACAATAAGTATAGATAACAAGGATACCCCCCGC    194

MpDV1 5’-term         195 CCCCCGGAAGTAGGTAGTGGTTATTATTAGTAGGGGATCTTTTTATAT    242
                          ||||||||||||||||||||||||||||||||||||||||||||||||||||
MpDV1 5’-term rc      195 CCCCCGGAAGTAGGTAGTGGTTATTATTAGTAGGGGATCTTTTTATAT    242
```

The 243 nt 3’-terminal sequence of the **MpDV1** genome is an imperfect palindrome due one 1-nt (T) insertion and three 2-nt (TA) insertions creating **longer more stable stem-loop**s at the hairpin’s top

```
MpDV1 3’-term           1 ATATAAAAAGATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGC     50
                          ||||||||||||||||||||||||||||||||||||||||||||||||||
MpDV1 3’-term rc        1 ATATAAAAAGATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGC     50

MpDV1 3’-term          51 GGGGGGTATCCTTTGTTATCTATACTTATTGTCAACACTAGCCTTATCTT    100
                          |||||||||||  ||||||||||||||||||||||||||||||||||||||
MpDV1 3’-term rc       51 GGGGGGTATCC-TTGTTATCTATACTTATTGTCAACACTAGCCTTATCTT     99

                                ---->  loop  <----------->loop<------
MpDV1 3’ITR           101 AGGGC--GTGTC--GGCC--GACACGTGTCATGGCCATGACACTAGCCCT    144
                          |||||  |||||  ||||  ||||||||||  ||||  |||||  |||||
MpDV1 3’-term rc      100 AGGGCTAGTGTCATGGCCATGACACGTGTC--GGCC--GACAC--GCCCT    143

MpDV1 3’-term         145 AAGATAAGGCTAGTGTTGACAATAAGTATAGATAAC-AAGGATACCCCCC    193
                          ||||||||||||||||||||||||||||||||||||| ||||||||||||||
MpDV1 3’-term rc      144 AAGATAAGGCTAGTGTTGACAATAAGTATAGATAACAAAGGATACCCCCC    193

MpDV1 3’-term          194 GCCCCCCGGAAGTAGGTAGTGGTTATTATTAGTAGGGGATCTTTTTATAT    243
                          ||||||||||||||||||||||||||||||||||||||||||||||||||||
MpDV1 3’-term rc      194 GCCCCCCGGAAGTAGGTAGTGGTTATTATTAGTAGGGGATCTTTTTATAT    243
```

MpDV2

The 5’- and 3’-ITRs of **MpDV2** are imperfect inverted repeats that differ by flop-flop inversion of the 33 nt flop-flop palindrome sequence, one 1-nt insertion in the 5’-ITR and one SNP

```
MpDV2 5’ITR             1 TGTCAACACTAGCCCTTATCTTAGGCC-GTGTC--GGCC--GACACGTGT     45
                          |||||||||||||||||||||||||||| |||||  ||||  |||||||||
MpDV2 3’ITR rev-com     1 TGTCAACACTAGCCCTTATCTTAGGCCAGTGTCATGGCCATGACACGTGT     50

MpDV2 5’ITR            46 CATGGCCATGACACTAGCCCTAAGATAAGGGCTAGTGTTGACAATAAGTA     95
                          |  ||||  |||||  ||||||||||||||||||||||||||||||||||
MpDV2 5’ITR rev-com    51 C--GGCC--GACAC--GCCCTAAGATAAGGGCTAGTGTTGACAATAAGTA     94

MpDV2 5’ITR            96 TAGATAACAAAGGATACCCCCCGCCCCCCGGAAGTAGGTAGTGGGTATTA    145
                          ||||||||||||||||||||||||||||||||||||||||||||||||||||
MpDV2 5’ITR rev-com    95 TAGATAACAAAGGATACCCCCCGCCCCCCGGAAGTAGGTAGTGGGTATTA    144

MpDV2 5’ITR           146 GTAGGGGATCTTTTTATATAATAAAAAGATAGACAAGTATCCAGCAGGCG    195
                          ||||||||||||||||||||||||||||||||||||||||||||||||||||
MpDV2 3’ITR rev-com   145 GTAGGGGATCTTTTTATATAATAAAAAGATAGACAAGTATCCAGCAGGCG    194

MpDV2 5’ITR           196 ACTAGGTGGGGGTGACGTCATCATTATTTACTCAAGTGTTT    236
                          |||||||||||||||||||||||.||||||||||||||||||
MpDV2 3’ITR rev-com   195 ACTAGGTGGGGGTGACGTCATCACTATTTACTCAAGTGTTT    235
```

The 88 nt 5’-terminal sequence and the 87 nt 3’-terminal sequence of the **MpDV2** genome are imperfect direct repeats differing by one 1-nt insertion in the 5’-repeat sequence and 2 SNPs

```
MpDV2 5’ITR 5’-term     1 TGTCAACACTAGCCCTTATCTTAGGCCGTGTCGGCCGACACGTGTCATGG     50
                          ||||||||||||||||||||||||||.|||||||||||||||||||||||||
MpDV2 3’ITR 3’-term     1 TGTCAACACTAGCCCTTATCTTAGGGCGTGTCGGCCGACACGTGTCATGG     50

MpDV2 5’ITR 5’-term    51 CCATGACACTAGCCCTAAGATAAGGGCTAGTGTTGACA     88
                          |||||||||| |.|||||||||||||||||||||||||||
MpDV2 3’ITR 3’-term    51 CCATGACACT-GGCCTAAGATAAGGGCTAGTGTTGACA     87
```

The 88 nt 5’-terminal sequence of the **MpDV2** genome is an imperfect palindrome due to 2 SNPs and three 2-nt (TA) insertions creating **stable** and **less stable stem-loop**s of same size and shape at the hairpin’s top

```
                                        -  ---->  loop  <----------->loop<-----
MpDV2 5’-term           1 TGTCAACACTAGCCCTTATCTTAGGCC--GTGTC--GGCC--GACACGTGTCATGGCCATGACACTAGCCC     65
                          ||||||||||||||||||||||||||.|  |||||  ||||  ||||||||||  ||||  |||||  |.||
MpDV2 5’-term rc        1 TGTCAACACTAGCCCTTATCTTAGGGCTAGTGTCATGGCCATGACACGTGTC--GGCC--GACAC--GGCC     65

MpDV2 5’-term          66 TAAGATAAGGGCTAGTGTTGACA     88
                          |||||||||||||||||||||||||
MpDV2 5’-term rc       66 TAAGATAAGGGCTAGTGTTGACA     88
```

The 87 nt 3′-terminal sequence of the **MpDV2** genome is an imperfect palindrome due to 2 SNPs and two 2-nt (AT) and one 1-nt (T) insertions creating **stable** and **less stable** **stem-loop**s of same size and shape at the hairpin's top

```
                                                - ----> loop <-----·····>loop<·····
MpDV2 3′-term           1 TGTCAACACTAGCCCTTATCTTAGGGC-GTGTC--GGCC--GACACGTGTCATGGCCATGACACTGGCCTA     66
                          |||||||||||||||||||||||||.|| |||||  ||||  ||||||||||  ||||  |||||  |.||||
MpDV2 3′-term rc        1 TGTCAACACTAGCCCTTATCTTAGGCCAGTGTCATGGCCATGACACGTGTC--GGCC--GACAC-GCCCTA     66


MpDV2 3′-term          67 AGATAAGGGCTAGTGTTGACA     87
                          ||||||||||||||||||||
MpDV2 3′-term rc       67 AGATAAGGGCTAGTGTTGACA     87
```

(b) **Secondary structures of the 5′- and 3′-telomers of MpDV1 and MpDV2** predicted using RNAFold WebServer: (http://rna.tbi.univie.ac.at/cgi-bin/RNAWebSuite/RNAfold.cgi) with DNA parameters of Matthews model 2004 at 30°C.

MpDV1 5′-telomer (-43.49 kcal/mol)



MpDV1 3′-telomer (-43.49 kcal/mol)



MpDV2 5′-telomer (-41.44 kcal/mol)



MpDV2 3′-telomer (-44.21 kcal/mol)



Base-pair probabilities: **0** **1**

(c) **Multiple sequence alignment of MpDV1, MpDV2 and MpnDV genomes** using Muscle v3.8 with annotations (SNPs, indels and **cis-elements** driving **transcription**, **splicing** and **translation**)

CLUSTAL multiple sequence alignment by MUSCLE (3.8)

```
MpDN1           ATATAAAAAGATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATC
MpDV2           ------------------------------------------------------------
MpnDV           ------------------------------------------------------------


MpDN1           CTTGTTATCTATACTTATTGTCAACACTAG-CCTTATCTTAGGGCGTGTCGGCCGACACG
MpDV2           ------------------TGTCAACACTAGCCCTTATCTTAGGCCGTGTCGGCCGACACG
MpnDV           ------------------------------------------------------------


MpDN1           TGTCATGGCCATGACACTAGCCCTAAGATAA-GGCTAGTGTTGACAATAAGTATAGATAA
MpDV2           TGTCATGGCCATGACACTAGCCCTAAGATAAGGGCTAGTGTTGACAATAAGTATAGATAA
MpnDV           ------------------------------------------------------------


MpDN1           C-AAGGATACCCCCCGCCCCCCGGAAGTAGGTAGTGGTTATTATTAGTAGGGGATCTTTT
MpDV2           CAAAGGATACCCCCCGCCCCCCGGAAGTAGGTAGTGG---GTATTAGTAGGGGATCTTTT
MpnDV           ----------------------GGAAGCAGGCAGTGG---GTATTAGTAGGGGATCTTTT
                                      ***** *** *****    ******************


MpDN1           TATATAATAAAAAGATAGACAAGTATCCAGTAGGCGACTAGGTGGGGGTGACGTCATCAC 5′ITR-based TATA-box
MpDV2           TATATAATAAAAAGATAGACAAGTATCCAGCAGGCGACTAGGTGGGGGTGACGTCATCAT
MpnDV           TATATAATAAAAAGATAGACAAGTATCCAGCAGGCGACTAGGTGGGGGTGACGTCATCAC
                **************************** ************************


MpDN1           TATTTACTCAAGTGTTTTGTTATTCGGC----------------------GTCAAGTGTT
MpDV2           TATTTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGGTTTGTTATTCAATGTCAAGTGTT
MpnDV           TATTTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGGTTTGTTATTCAACGTCAAGTGTT
                ***************************                    **********


MpDN1           GTGTTGACACTTGAAAAGTGGCGTGATTGATTATTTACAAGTACGTCAGATAAGATAAAC
MpDV2           GTGTTGACACTTGAAAAGTAGCGTGATTGATTATTTACAAGTACGTCAGATAAGATAGAC
```

```
MpnDV           GTGTTGACACTTGAAAAATGGCGTGATTGATTATTTACAAGTACGTCAGATAAGATAAAC
                ***************** * ************************************ **

MpnDN1          ATTAAGTGGTACTTGACTCGGAATATATAATGAAGTGTGGAACCTACAACAATTATCAGTAC main TATA-box of NS unit and
MpDV2           ACAAGTGGTACTTGACTCGGAATATATAATGAAGTGTGGAACCTACAACAACATCAGTAC first AUG codon of NS2 ORF
MpnDV           ACAAGTGGTACTTGACTCGGAATATATAATGAAGTGTGGAACCTACAACAACATCAGTAC
                * ************************************************** ********

MpDN1           TCATCAAAATGTCAAACTCGCAAGAAGTGAACCAACAACAATTCAACGACGAGGAGGAAA downstream AUG of NS2 ORF
MpDV2           TCATCAAAATGTCAATCTCGCAAGAAGTGAACCAACAACAATTCAACGACGAGGAGGAAA
MpnDV           TCATCAAAATGTCAAACTCGCAAGAAGTGAACCAACAACAGTTCAACGACGAGGAGGAAA
                *************** ************************ *******************

MpDN1           TACCATGTGGCCAACGGTATCCTACAGCGGCGACGATTCAAACGGACCACCAACAGACTG AUG codon of NS1 ORF
MpDV2           TACCATGTGGCCAACGGTATACTACAGCGGCGACGATTCAAACGGACCACCAACAGACTG
MpnDV           TACCATGTGGCCAACGGTATCCTACAGCGGCGACGATTCAAACGGACCACCAACAGACTG
                ******************* ****************************************

MpDN1           GCGTGAATGGATCGACCCCGATGTTCGAACTCAAATCGACAGCGCGCAAAGAATATGGGA
MpDV2           GCGTGAATGGATCGACCCCGATGTTCGAACTCAAATCGACAGCGCGCAAAGAATATGGGA
MpnDV           GCGTGAATGGATCGACCCCGATGTTCGAACTCAAATCGACAGCGCGCAAAGAATATGGGA
                ************************************************************

MpDN1           CAGCCATTTCAGCGGACACGGCACTGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCA
MpDV2           CAAGCATTTCAGCGGACATGGCACTGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCA
MpnDV           CAAGCATTTCAGCGGACATGGCACTGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCA
                **  ************** ****************************************

MpDN1           AGGCAACGGAACTAACGGTAACATGCATTATTCCTCTGATCGCGTTGCTATTACCCGACC
MpDV2           AGGCAACGGAACTAACGGTAACATGCATTATTCCTCTGATCGCGTTGCTATTACCCGACC
MpnDV           AGGCAACGGAGCTAACGGTAACGTGCATTATTCCTCTGATCGCGTTGCTATTACCCGACC
                ********** *********** ************************************

MpDN1           ATATGTGGTCAGAGGCGACGAGCAGCGATCGCTGGCGATACCGACTGAGAAACGCGACCT
MpDV2           ATATGTGGTCAGAGGCGACGAGCAGCGATCGCTGGCGATACCGACTAAGAAATGCGACCT
MpnDV           ATATGTGGTCAGAGGCGACGAGCAGCGATCGCTGGCGATACCGACTAAGAAATGCGACCT
                ********************************************* ***** *******

MpDN1           ACTGGATTTCCAATCCAACGCGGGAATCCGAATATCAGGCTTTACTACGATGGATGGAGG
MpDV2           ACTGGATTTCCAATCCAACGCGGGAATCCGAATATCAGGCTTTACTACGATGGATGGAGG
MpnDV           ACTGGATTTCCAATCCAACGCGGGAATCCGAATATCAGGCTTTACTACGATGGATGGAGG
                ************************************************************

MpDN1           AGAAAATGCCGATACCTTTAGCGAAATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGG
MpDV2           AGAAAATGCCGATACCTTTAGCGAAATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGG
MpnDV           AGAAAATGCCGATACCTTTAGCGAAATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGG
                ************************************************************

MpDN1           CAATGTCAGATATGTTTCTGACATCCTTGTACCCGGAGGAAATTGGTCAATTAATGGAAT
MpDV2           CAATGTCAGATATGTTTCTGACATCCTTGTACCCGGAGGAAATTGGTCAATTAATGGAAT
MpnDV           CAATGTCAGATATGTTTCTGACATCCTTGTACCCGGAGGAAATTGGTCAATTAATGGAAT
                ************************************************************

MpDN1           TGTTGAGGACCTACGCCGGAGTATCGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAG
MpDV2           TGTTGAGGACCTACGCCGGAGTATCGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAG
MpnDV           TGTTGAGGACCTACGCCGGAGTATCGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAG
                ************************************************************

MpDN1           CGAACACGGCGACCACGTCCACGTCGTACACACCTGTAACTACGCCACGGGCAGCTGTAG
MpDV2           CGAACACGGCGACCACGTCCACGTCGTACACACCTGTAACTACGCCACGGGCAGCTGTAG
MpnDV           CGAACACGGCGACCACGTCCACGTCGTGCACACCTGTAACTACGCCACGGGCAGCTGCAG
                ************************** ***************************** **

MpDN1           ATGTAGTTTCTTACTCAACGCCGCTGCTTTCCAACTATGTAGACGACGACGCATTCGAAA
MpDV2           ATGTAGTTTCTTACTCAACGCCGCTGCTTTCCAACTATGTAGACGACGACGCATTCGAAA
MpnDV           ATGTAGTTTCTTACTCAACGCCGCTGCTTTCCAACTATGTAGACGACGACGCATTCGAAA
                ************************************************************

MpDN1           GAATGTTAGAGTCATCCAACTATCAGAAAGAGACTGGTCCCGTATCTTTCAATACTTATG
MpDV2           GAATGTTAGAGTCATCCAACTATCAGAAAGAGACTGGTCCCGTATCTTTCAATACTTATG
MpnDV           GAATGTTAGAGTCATCCAACTATCAGAAAGAGATTGGTCCCGTATCTTTCAATACTTATG
                ********************************** *************************

MpDN1           TTCATCGCCCAGGAATGTCAAAGAAGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAG
MpDV2           TTCATCGCCCAGGAATGTCAAAGAAGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAG
MpnDV           TTCATCGCCCAGGAATGTCAAAGAAGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAG
                ************************************************************

MpDN1           TAGATATTCACATATATCAGTTAGTATTGCGTAATTTTTTTATATACTTGGATTGGTTGA 5′ splice site of NS intron
MpDV2           TAGATATACACATATATCAGTTAGTATTGCGTAATTTTTTTATATACTTGGATTGGTTGA Stop codon of NS2 ORF
MpnDV           TAGATATACACATATATCAGTTAGTATTGCGTAATTTTTTTATATACTTGGATTGGTTGA
                ******* ****************************************************

MpDN1           CGGGTATAGAAGCGAATAGATGCGTTTCATATATTAAAACTGGTATGCCTGGCAGGAGTT
MpDV2           CGGGTATAGAAGCAAATAGATGCGTTTCATATATTAAAACCGGTATGCCTGGAATGAGTT
MpnDV           CGGGTATAGAAGCAAATAGATGCGTTTCATATATTAAAACCGGTATGCCTGGAATGAGTT
                ************* ************************* *********** * *****
```

```
MpDN1           ACGTTAAAAGCGTGATGCCAAAAAATTATTGGCGTAATCCTAAAGAATTTCACTTAGCGC
MpDV2           ACGTTAAAAGTGTGATTCCGAAAAATTATTGGCGTAATCCTAAAGAATTTCACTTAGCGC
MpnDV           ACGTTAAAAGTGTGATGCCGAAAAATTATTGGCGTAATCTTAAAGAGATTCACTTAGCGC
                ********** ***** ** ******************* ******  ************

MpDN1           TTGATAAATTAGAGTTGCTCGTTAAACGACATTTCGGTGATTTCACGTGTTTGGAAAATT
MpDV2           TTGATAAATTAGAGTTGCTCGTTAAACGACATTTCGGTGATTTCACGTGTTTGGAAAATT
MpnDV           TTGATAAATTAGAGTTGCTCGTTAAACGACATTTCGGTGATTTCACGTGTTTGGAAAATT
                ************************************************************

MpDN1           TTTTACCGCAATATCGTTGGCATAATTGCATCACATGGTTTGTGAACGTGATGTCCTGTC
MpDV2           TTTTACCGCAATATCGTTGGCATAATTGCATAACATGGTTTGTGAACGTGATGTGCTGTC
MpnDV           TTTTACCGCAATATCGTTGGCATAATTGCATCACATGGTTTGTGAACGTGATGTGCTGTC
                ******************************** ********************** *****

MpDN1           CGTTGGACCCGTGGACTGTCGAATGTGCTGGTTGTGGTTTTCAACATATTCCTAATATAT
MpDV2           CGTTGGACCCGTGGACTGTCGAATGTGGTGGTTGTGGTTTTCAACATATTCCTAATGTAT
MpnDV           CGTTGGACCCGTGGACTGTCGAATGTGGTGGTTGTGGTTTTCAACATATTCCTAATGTAT
                *************************** ***************************** ***

MpDN1           CTAAATGCGAACTACTACGAGACTATCCGTTCATGAACGAGGGCACTATAAATCATATAC
MpDV2           CTAAATGCGAACTACTACGAGACTATCCGTTCATGAACGAGGGCACTATAAATCATATAT
MpnDV           CTAAATGCGAACTACTACGAGACTATCCGTTCATGAACGAGGGCACTATAAATCATATAT
                ************************************************************

MpDN1           TAATCGAATGCATTAAAATTTACAAACAGGAAGGATCAAATACAGAATGTCGACCCGAAC 3′ splice site of NS intron
MpDV2           TAATCGAATGCATTAAAATTTACAAACAGGAAGGATCAAATCCAGAATGTCGACCCGAAC
MpnDV           TAATCGAATGCATTAAAATTTACAAACAGGAAGGATCAAATCCAGAATGTCGACCTGAAC
                ****************************************** ************** ****

MpDN1           GATTGGTGGAAACATGCCTTCTGCAGGGCTCGGGGGGAGCTTCAATCTGAACAGTCCATAC
MpDV2           GATTGGTGGAAACATGCCTTCTGCAGGGCTCGGGGGGAGCTTCAATCTGAACAGTCCTTAC
MpnDV           GATTGGTGGAAACATGCCTTCTGCAGGGCTCGGGGGGAGCTTCAATCTGAACAGTCCTTAC
                ************************************************************ ***

MpDN1           GTGAAAATGGCCAAAACCATACAACAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTAC
MpDV2           GTGAAAATGGCCAAAACCATACAACAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTAC
MpnDV           GTGAAAATGGCCAAAACCATACAACAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTAC
                ************************************************************

MpDN1           AAGATAACGGATCCACAAATGTTTTTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGC
MpDV2           AAGATAACGGATCCACAAATGTTTTTCAAGAAGAAGAAGAAGGCAGCCAAGAGGGCCCGC
MpnDV           AAGATAACGGATCCACAAATGTTTTTCAAGAAGAAGAAGAAAGCAGCCAAGAGGGCCCGC
                ****************************************  ******************

MpDN1           GGCAAAAGAAGTCGCGACGGAAGCAGCGATTCCGAATGATTAGGGAAATAGATGTTAGTA Stop codon of C-truncated NS1
MpDV2           GGCAAAAGAAGTCGCGACGGAAGCAGCGATTCCGAATGATTAGGGAAATAGATGTTAGTA translated from spliced mRNA
MpnDV           GGCAAAAGAAGTCGCGACGGAAGCAGCGATTCCGAATGATTAGGGAAATAGATGTTAGTA
                ************************************************************

MpDN1           AACCGCAATCTATCGAAGAACTTATATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCT
MpDV2           AACCGCAATCTATCGAAGAACTTATATATAGGTATCCTTGTTGCCCACCGGAAGCTTTCT
MpnDV           AACCGCAATCTATCGAAGAACTTATATATAGATATCCTTGTTGTCCACCGGAAGCTTTCT
                ******************************** *********** ** **************

MpDN1           ATAACATTCCCGAATTTTACGCTAATACAAATATAAACTGGATAGACATGAAAGATTTTA
MpDV2           ATAACATTCCCGAATTTTACGCTAATAAAAATATAAACTGGATAGACATGAAAGATTTTA
MpnDV           ATAACATTCCCGAATTTTACGCTAATAAAAATATAAACTGGATAGACATGAAAGATTTTA
                ************************** ********************************

MpDN1           AAGTAACGATACCGTTACGTAATTGGGCGGCCACTTTACGCAGATGGTCTATTCATGATT
MpDV2           AAGTAACGATACCGTTGCGTAATTGGGCGGCGACTTTACGTAGATGGTCTATTCATGATT
MpnDV           AAGTAACGATACCGTTACGTAATTGGGCGGCGACTTTACGTAGATGGTCTATTCATGATT
                **************** *************** ******** ********************

MpDN1           TCAATAAATATTATAATGACTCTACAGTTTTTCCATATTTCAACGCGTACGGTTCAGATA
MpDV2           TCAATAAATATTATAATGACTCTACAGTTTTTCCATATTTCAACGCGTACGGTTCAGATA
MpnDV           TCAATAAATATTATAATGACTCTACAGTTTTTCCATATTTCAACGCGTACGGTTCAGATA
                ************************************************************

MpDN1           TTTGCAATATGTATTACAGTATTTCGGAGAGTCTGACAATAGCAAAAGAATTACTCAACT
MpDV2           TTCGCAATATGTATTACAGTATTTCGGAGAGTTTAACAATAGCAAAAGAATTACTCAACT
MpnDV           TTTGCAATATGTATTACAGTATTTCGGAGAGTTTAACAATAGCAAAAGAATTACTCAACT
                ** ***************************** * ************************

MpDN1           ATCAATTTGGCGATGACCCTGAAGTAGTAATTGAATTTTTAACAACACTATATAATGTCA
MpDV2           ATCAATTTGGCGATGACCCTGAAGTAGTAATTGAATTTTTAACAACACTATATAATGTCA
MpnDV           ATCAATTTGGCGATGACCCCGAGGTAGTAATTGAATTTTTAACAACGCTATATAATGTCA
                ******************* ** ********************** **************

MpDN1           TAGACAAAAGAGTTCCGAAATTAAATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTA
MpDV2           TAGACAAAAGAATTCCGAAATTAAATAGTATATGTGTAAAAAGTCCCCCTTCGGCAGGTA
MpnDV           TAGACAAAAGAGTTCCGAAATTAAATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTA
                *********** ********************** ************************

MpDN1           AGAACTTTTTTTTCGATGCCGTTGCATCGTATTTGCTTTCATATGGTATGTTCGGTACAG
MpDV2           AAAACTTTTTTTTCGATGCCGTTGCATCGTATTTGCTTTCATATGGTATGTTCGGTACAG
MpnDV           AAAATTTTTTTTTCGATGCCGTTGCATCGTATTTGCTTTCATATGGTATGTTCGGTACAG
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MpDN1            CCAATAAAAACAATAATTTTTCGTGGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGA
MpDV2            CCAATAAAAACAATAATTTTTCGTGGGCAGACGGAGCGGGTAAACGATTAGTTCTATGGA
MpnDV            CCAATAAAAACAATAATTTTTCGTGGGCAGACGGAGCGGGTAAACGATTAGTTTTATGGA
                 ************************************************** * ****

MpDN1            ACGAACCAAACTATGAACAATACCATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATA
MpDV2            ACGAACCAAACTATGAACAATACCATATAGAAAAAATAAAAGAACTCTTGGGGGGAGATA
MpnDV            ACGAACCAAACTATGAACAATACCATATAGAAAAAATAAAAGAACTCTTAGGGGGAGATA
                 ********************************************** ** **********

MpDN1            CAACAAGAATACATGTCAAATATGCAAACGACGTTAGTGTGCAAAGGGTACCCATTATTA
MpDV2            CAACAAGAATACATGTAAAATATGCAAACGACGTTAGTGTGCAAAGGGTACCCATTATTA
MpnDV            CAACAAGAATACATGTAAAATATGCAAACGACGTTAGTGTGCAAAGGGTACCCATTATTA
                 *************** ****************************************

MpDN1            TATTAACAAATAACCACTTGAATATTATTAGTCACCCAGCTTTTAACGATAGATTGCGGA
MpDV2            TATTAACAAATAACCATTTGAATATTATTAACCACCCAGCTTTTAACGATAGATTGCGGA
MpnDV            TATTAACAAATAACCACTTGAATATTATTAGTCACCCAGCTTTTAACGATAGATTGCGGA
                 *************** *************  ****************************

MpDN1            GTTACGAATGGATGTCAGCTGGCTTCTTGAAGGACTACGATAAAAAACTGCATCCGCTTA
MpDV2            GTTACGAATGGATGTCAGCTGGCTTCTTGAAGGACTACGATAAAAAACTGCATCCGCTTA
MpnDV            GTTACGAATGGATGTCAGCTGGCTTCTTGAAGGACTATGATAAAAAACTGCATCCGCTTA
                 ************************************ **********************

MpDN1            TGTTTTATGAATTACTTAAAGATTATGGTGTAATAAATGATAACAATATGATTGATTAATT Poly(A) signal of NS unit
MpDV2            TGTTTTATGAATTACTTAAAGATTATGGTGTAATAAATGATAACAATATGATTGATTAA- Stop codon of NS1 ORF
MpnDV            TGTTTTATGAATTACTTAAAGATTATGGTGTAATAAATGATAACAATATGATCGATTAA-
                 ************************************************** ******

MpDN1            ATATATATATATATATTGATTTTTATTTACGTAAAAAATCTACAGGTTCATTGACAATGG Poly(A) signal of VP unit
MpDV2            ---------TATATATTGCTTTTTATTTACGTAAAAAATCTACAGGTTCATTGACAATGG Stop codon of VP1 ORF
MpnDV            ---------TATATATTGCTTTTTATTTACGTAAAAAATCTACAGGTTCATTGACAATGG
                          ********* ****************************************

MpDN1            GTATATTCATTGACCTTCGCCACAATGTTAAATCACGGCAAAAAGCTAAATACGTTGAAT
MpDV2            GTATATTCATTGACCTTCGCCACAATGTTAAATCACGACAAAAAGCTAAATATGTAGAAT
MpnDV            GTATATTCATTGACCTTCGCCACAATGTTAAATCACGGCAAAAAGCTAAATATGTAGAAT
                 ************************************ ************** ** ****

MpDN1            ATGACTTGAACAATCGTTCCTCTGGCCACCAATTCGGATTATTGTAGTCGCCCCAAGAAG
MpDV2            ATGACTTGAACAATCGTTCCTCTGGCCACCAATTCGGATTATTGTAGTCGCCCCAAGAAG
MpnDV            ATGACTTGAACAATCGTTCCTCTGGCCACCAATTCGGATTATTGTAGTCGCCCCAAGAAG
                 ************************************************************

MpDN1            TGTTCATGATTTCTTCGGTTGTGGGTGGAGTAGTGGTATATCGATGCAAATTAATTAGGG
MpDV2            TGTTCATGATTTCTTCGGTTGTGGGTGGAGTAGTGGTGTATTTGTGCAAATTAATTAGGG
MpnDV            TGTTCATGATTTCTTCGGTAGTGGGTGGAGTAGTGGTGTATTTGTGCAAATTAATTAGGG
                 ****************** ***************** ***   ****************

MpDN1            TTTCTTTTGACGCACGATCACTTTCTCTGTAAACATAATTGGGTATTTTAATAGGTGCTT 3′ splice site of VP intron 2
MpDV2            TTTCTTTTGACGCACGATCACTTTCTCTGTAAACATAATTGGGTATTTTAATAGGTGCTT
MpnDV            TTTCTTTTGACGCACGATCACTTTCTCTGTAAACATAATTGGGTATTTTAATAGGTGCTT
                 ************************************************************

MpDN1            TGACTCGAACCTCATGGATGTTTGACGCTTCAACCTCCATGGGGTCGTCGTCCATATTTA
MpDV2            TGACTCGAACCTCATGGATGTTTGATGCTTCAACCTCCATGGGGTCGTCGTCCATATTTA
MpnDV            TGACTCGAACCTCATGGATGTTTGATGCTTCAACCTCCATGGGGTCGTCGTCCATATTTA
                 ************************* **********************************

MpDN1            CCCGAACAGACGTAGGTACAGGTGTAGTGACAGTTGCGTCGACTGGAGTAGTAAATGAAT 5′ splice site of VP intron 2
MpDV2            CCCGAACAGACGTAGGTACAGGTGTAGTGACAGTTGCGTCGGCTGGAGTAGTAAATGAAT
MpnDV            CCCGAACAGACGCAGGTACAGGTGTAGTGACAGTTGCGTCGGCTGGAGTAGTAAATGAAT
                 ************ **************************** ******************

MpDN1            CAATGTTCTTTGTAGTGGAAGCTTTGCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAG
MpDV2            CAATGTTCTTTGTAGTGGAAGCTTTGCCCATTTCTTTTGTTAGTCCCGAAGAGTGTGCAG
MpnDV            CAATGTTCTTTGTAGTGGAAGCTTTGCCCATTTCTTTTGTTAGTCCCGAAGAGTGTGCAG
                 ************************************ **********************

MpDN1            CGGCGTTTTGATTGTCAGCTACTTTTTCAGGAGCCACGTACAATCCGTGAACAATAGATA
MpDV2            CGGCGTTTTGATTGTCAGCTACTTTTTCAGGAGCCACGTACAATCCGTGAACAATAGATA
MpnDV            CGGCGTTTTGATTGTCAGCTACTTTTTCAGGAGCCACGTACAATCCGTGAACAATAGATA
                 ************************************************************

MpDN1            AATCTCCACGATTGTATAGATTTTGATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTT
MpDV2            AATCTGCACGATTGTATAGATTTTGATTGTAATTGTCGTCAGCCAGCAACCATGTTTTTT
MpnDV            AATCTGCACGATTGTATAGATTTTGATTGTAATTGTCGTCAGCCAGCAACCATGTCTTTT
                 ***** ********************************** ************** ****

MpDN1            CGTATTCCACGTGAAGCCTGTCAAACGCTGTTCTGCTTTGCGGACATCCAAAACTAACTG
MpDV2            CGTATTCCACATGAAGCCTGTCAAACGCTGTTCTGCTTTGCGGACATCCAAAACTAACTG
MpnDV            CGTATTCCACATGAAGCCTGTCAAACGCTGTTCTGCTTTGCGGACATCCAAAACTAACTG
                 ********** ************************************************

MpDN1            TCATCTCAGTTTCGAAATCCCATGTGCATTCTACGTCAGTAAAATTTACAGGGACTATAC
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MpDV2           TCATCTCAGTTTCGAAATCCCATGTGCATTCTACATCAGTAAAATTTACAGGGACTATAC
MpnDV           TCATCTCAGTTTCGAAATCCCATGTGCATTCTACATCAGTAAAATTTACAGGAACTATAC
                ********************************** ***************** *******

MpDN1           TATTAGTGGCAGTAGTTAACTTATGCACTGGATATATTCCTACATGTACACTAGGTTGTA
MpDV2           TATTAGTGGCAGTAGTTAACTTATGCACTGGATATATTCCTACATGTACACTAGGTTGCA
MpnDV           TATTAGTGGCAGTAGTTAACTTATGCACTGGATATATTCCTACATGTACACTGGGTTGCA
                ************************************************** ***** *

MpDN1           CTTTATTAGAATATTCATGTTTATCGAACATACGAAAATATTGGCCTACGTCTATGTTAG
MpDV2           CTTTAGTAGAATATTCATGTTTATCGAACATACGAAAATATTGGCCTACGTCTATGTTAG
MpnDV           CTTTATTAGAATATTCATGTTTATCGAACATACGAAAATATTGTCCTACGTCTATGTTAG
                ***** ************************************* ****************

MpDN1           TACAATATCTATCATTGCCGAATATGCGTTTCCAACCGTTTTCACCCACAAATGTCAATT
MpDV2           TACAATATCTATCATTGCCAAATATGCGTTTCCAACCGTTTTCAGCTACATATGTTAATT
MpnDV           TACAATATCTATCATTGCCAAATATGCGTTTCCAACCGTTTTCAGCCACATATGTTAATT
                ******************* ********************** * *** **** ****

MpDN1           TTTGATCCGATCTCCTTTCGAACAAGCCACTGGCAGCGTTTATAAAATCTTGACACTCTG
MpDV2           TTTGATCCGATTTCCTTTCGAATAAGCCACTGGCAGCGTTTATAAAATCTTGACACTCTG
MpnDV           TTTGATCCGATCTCCTTTCGAATAAGCCACTGGCAGCGTTTATAAAATCTTGACACTCTG
                *********** ********** ************************************

MpDN1           GTTCGTTACCAGCATTGCGTAACATAGCAAATTTACTGGAATTAGGCTCCTGTACGCTGA
MpDV2           GTTCGTTACCAGCATTGCGTAACATAGCAAATTTACTAGAATTAGGCTCTTGTACGCTAA
MpnDV           GTTCGTTACCAGCATTGCGTAACATAGCAAATTTACTAGAATTAGGCTCCTGTACGCTGA
                ************************************ *********** ******** *

MpDN1           CACACGCATCGAATATTGGATCGTGTGGTAGAGTGAGTATACCGACATGAGGCTTGTACG
MpDV2           CACATGCATCGAATATTGGATCGTGTGGTAGAGTAAGTATACCAACATGAGGCTTGTACG
MpnDV           CACATGCATCGAATATTGGATCGTGTGGTAGAGTAAGTATTCCAACATGAGGCTTGTACG
                **** ****************************** ***** ** ****************

MpDN1           AATAATTAAGTACAGTGGTGCCGACAGTAAACGAAGCGTCGACCTTGGTGATGTGTTCAT
MpDV2           AATAATTAAGTATAGTGGTGCCGACAGTAAACGAAGCGTCAACCTTGGTGATGTGTTCAT
MpnDV           AATAATTAAGTACAGTGGTGCCGACAGTAAACGAAGCGTCAACCTTGGTGATGTGTTCAT
                ************ ************************** ********************

MpDN1           TAAACCGTTCCCATCCGAGTTTTCCAGAATTATGATTTCTATTTACAAAATTACAAAAAT
MpDV2           TAAATCGTTCCCATCCAAGTTTTCCAGAATTATGATTTCTATTTACAAAATTACAAAAAT
MpnDV           TAAATCGTTCCCATCCAAGTTTTCCAGAATTATGATTTCTATTTACAAAATTACAAAAAT
                **** *********** ********************************************

MpDN1           AACTGTTATACATCAACGGTAAGTTCATGTAGGACGCAGGCAGTTCATATCCCTCTTTAG
MpDV2           AACTGTTGTACATCAACGGTAAGTTCATGTAGGACGCAGGCAATTCATATCCCTCTTTAG
MpnDV           AACTGTTATACATCAACGGTAAGTTCATGTAGGACGCAGGCAGTTCATATCCCTCTTTAG
                ******* ********************************** *****************

MpDN1           CAGAGAATGTACCATCTAGATCTTGACCGTACAATTTGCGAACGAATTCTTTCATAGACG
MpDV2           CAGAGAATGAACCATCTAGATCTTGACCGTACAATTTGCGAACGAATTCTTTCATAGACG
MpnDV           CAGAGAATGAACCATCTAGATCTTGACCGTACAATTTGCGAACGAACTCTTTCATAGACG
                ********* ************************************ **************

MpDN1           ACTGATCGTTCTCGGTATTCGTTGGATCCATGGGCTCCGATGAATTGCCAAATGTGAGTT
MpDV2           ACTGATCGTTTTCGGTATTTGTTGGATCCATGGGCTCCGATGAATTACCAAATGTGAGTT
MpnDV           ATTGATCGTTTTCGGTATTTGTTGGATCCATGGGCTCCGATGAATTACCAAATGTGAGTT
                * ******** ******** ************************** **************

MpDN1           TTCGGTTAAATCCCCTTGTTTTTAAATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCT
MpDV2           TTCGGTTAATTCCCCTTGTTTTTAAATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCT
MpnDV           TTCGATTAAATCCCCTTGTTTTTAAATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCT
                **** **** ************************************************

MpDN1           GATTCAATGTGGCCAGGGAGCTCGTAGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTAC
MpDV2           GATTTAATGTGGCCAGGGAGCTCGTAGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTAC
MpnDV           GATTTAATGTGGCCAGGGAGCTCGTAGAACTATTGGTTTCAAAAGCTGTGCGAGGATTAC
                **** ********************** ********************************

MpDN1           GCATGACACCCTTGCATTTGACTTCAGTGCATATAGCACCTCTGGGTAAAAATTTAAACT
MpDV2           GCATGACACCCTTGCATTTGACTTCAGTGCATATAGCGCCTCTGGGTAAAAATTTAAACT
MpnDV           GCATGACACCCTTGCATTTGACTTCAGTGCATATAGCACCTCTGGGTAAAAATTTAAACT
                ************************************ ***********************

MpDN1           CGGACGGCGACATATAGAACCAAGGTTGGTCCACGGGCACACTCATTAAACTCGTTGTCC
MpDV2           CGGACGGCGACATATAGAACCAAGGTTGGTCCACAGGCACACTCATTAAACTCGTTGTCC
MpnDV           CGGACGGCGACATATAGAACCAAGGTTGGTCCACAGGCACACTCATTAAACTCGTTGTCC
                ********************************** ************************

MpDN1           CAAGATAGGCGTTATCAGTGCTAAGATATCGCAACACTTTCCAACCACATCCGTAACTGA
MpDV2           CAAGATAGGCGTTATCAGTGTTAAGATATCGCAACACTTTCCAACCACATCCGTAACTGA
MpnDV           CAAGATAGGCGTTATCAGTGTTAAGATATCGCAACACTTTCCAACCACATCCGTAACTGA
                ******************* ****************************************

MpDN1           TGAAAGTATGTACTTTTCGGTAAACCATAGTATATCCTCCCGTGTGACCGATTGGCCTAG
MpDV2           TGAAAGTATGTACTTTTCGGTAAACCATAGTATATCCTCCCGTGTGACCGATTGGCCTAG
MpnDV           TGAAAGTATGTACTTTTCGGTAAACCATAGTATATCCTCCCGTGTGACCGATTGGCCTAG
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MpDN1           GTATAACAGCGTTTTCAGAGCTAGGATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAG
MpDV2           GTATAACAGCGTTTTCAGCGCTAGGATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAG
MpnDV           GTATAACAGCGTTTTCAGAGCTAGGATTGCCGGTATCTGGGTCCCCATCGTTCGCAGCAG
                ****************** ************ ****************************

MpDN1           CCGTCCCAGGAAGCGAGGTGCCACCCGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTAT
MpDV2           CCGTCCCAGGAAGCGAGGTGCCACCCGCGCGTTTAGGAGCGGGTTCAGAACCGGAGCTAT
MpnDV           CCGTCCCAGGAAGCGAGGTGCCACCCGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTAT
                **************************** ********************************

MpDN1           CGGCAGGTCGTTTGCTACTTGATCCGCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCC AUG codon of N-truncated VP1
MpDV2           CGGCAGGTCGTTTGCTACCTGATCCGCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCC translated from spliced mRNA
MpnDV           CGGCAGGTCGTTTGCTACCTGATCCGCTAGAGCTTGCCATGGATCCCGATGAGCTTCCCC
                ****************** ******************************** ********

MpDN1           CGTTGCCGTTGCTAGTGCTGTTGTCCGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCG
MpDV2           CGTTGCCGTTGCTAGTGATGTTGTCCGGGGCTGAGGTGTTTGCCACGTGATCGCCACTCG
MpnDV           CGTTGCCGTTGCTAGTGCTGTTGTCCGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCG
                ****************** ******************************** **********

MpDN1           CTTCACCGCTGTTAGGATTGCCGTTACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCT
MpDV2           CTTCACCGCTGTTAGGATTGCCGTTACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCT
MpnDV           CTTCACCGCTGTTAGGATTGCCGTTACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCT
                ************************************************************

MpDN1           CCACGCCACCTAAAACATACGGTGGTAATGAACGACGTGCTAAAGCCTTATTGTATTGTT 3′ splice site of VP intron 1
MpDV2           CCACGCCACCTAAAACATACGGTGGTAATGAACGACGTGCTAAAGCCTTATTGTATTGTT
MpnDV           CCACGCCACCTAAAACATACGGTGGTAATGAACGACGTGCTAAAGCCTTATTGTATTGCT
                ************************************************************ *

MpDN1           CTAGCGCGTAACGCTGCTGCGATGAATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAG
MpDV2           CTAGCGAATAACGCTGCTGCGATGAATTTAGATTTTGCCAATTGGGCCGCTCCGGTGGAG
MpnDV           CTAGCGAATAACGCTGCTGCGATGAATTTAGATTTTGCCAATTGGGCCGCTCCGGTGGAG
                ******  ********************** ************** **************

MpDN1           GAGGACCTAAATAACGAAATTCTCGCATACTTACGGCTACTGTCTGCTGCCGCTAAATAC AUG codon of VP1 ORF
MpDV2           GAGGACCTAAATAACGAAATTCTCGCATACTTACGGCTACTGTCTGCTGCCGCTAAATAC 5′ splice site of VP intron 1
MpnDV           GAGGACCTAAATAACGAAATTCTCGCATACTTACGGCTACTGTCTGCTGCCGCTAAATAC
                ************************************************************

MpDN1           GGTGTTGTATCAAAATATGTTCCGCTAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCG
MpDV2           GGTGTTGTATCGAAATATATTCCGCTAGTGTTAGGTTTGTTCGGATATATTGCTGTCTCG
MpnDV           GGTGTTGTATCGAAATATATTCCGCTAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCG
                *********** ****** ************************ ***************

MpDN1           CTGCCTGTCAAGAACTGATCGGCTAAATCGACACCACGCTTTGCGATCAATCCGAGAGCT
MpDV2           CTGCCTGTCAAGAACTGATCGGCCAAATCGACACCACGCTTTGCAATCAATCCAAGAGCT
MpnDV           CTGCCTGTCAAGAACTGATCGGCCAAATCGACACCACGCTTTGCAATCAATCCAAGAGCT
                ********************** ******************** ******** ******

MpDN1           GTCGCAATGTTGCCATAATATGGGTCGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTG
MpDV2           GTTGCAATGTTGCCATAATATGGGTCGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTG
MpnDV           GTTGCAATGTTGCCATAATATGGGTCGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTG
                ** ************************************************************

MpDN1           TCTAATTCCCATATGTTATCCTTGCTAACATCCGTAGCATTAAAATAATCGGCATCGTGT
MpDV2           TCTAATTCCCATATGTTATCCTTGCTAACATCCGTAGCATTAAAATAATCGGCATCGTGT
MpnDV           TCTAATTCCCATATGTTATCCTTGCTAACATCCGTAGCATTAAAATAATCGGCATCGTGT
                ************************************************************

MpDN1           TGAAATGCGACCTTATCTATATCACTAGTAGGTAACGCCTTAGCATTAAAATGACCTTCA
MpDV2           TGAAATGCAACCTTATCTATATCACTAGTAGGTAACGCCTTAGCATTAAAATGACCTTCA
MpnDV           TGAAATGCAACCTTATCTATATCACTAGTAGGTAACGCCTTAGCATTAAAATGACCTTCA
                ******** ************************************************

MpDN1           CTGTCACACAACAGATTACCTGGACCCACGAAGCTACTACCGAACCACGTGATACCTTCA
MpDV2           CTGTCACACAATAAATTTCCTGGACCCACGAAGCTACTACCGAACCACGTGATACCTTCA
MpnDV           CTGTCACACAACAAATTACCTGGACCCACGAAGCTACTACCAAACCACGTGATACCTTTA
                *********** * *** ********************** ***************** *

MpDN1           TTGCTAGTACCTGAAGCACCTAATTTAATACGTTTTCTCTCGTTATTCTCCTCTTCAACA
MpDV2           TTGCTAGTACCTGAAGTACCTAATTTAATACGTTTTCTCTCATTATTCTCCTCTTCAACA
MpnDV           TTGCTAGTACCTGAAGTACCTAATTTAATACGTTTTCTCTCATTATTCTCCTCTTCAACA
                *************** ********************** ******************

MpDN1           CTATAAAATTCGTCGTTTACCGACGACATGTTAAACGTAACTGATTAAATATAAGTAAAA AUG codon of VP2 ORF
MpDV2           CTATAAAATTCGTCGTTTACCGACGACATGTTGAACGTAACTGATTAAATATAAGTAAAA
MpnDV           CTATAAAATTCGTCGTTTACCGACGACATGTTGAACGTAACTGATTAAATATAAGTAAAA
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MpDN1           TGTAAACACTTGAGTAAATAGTGATGACGTCACCCCCACCTAGTCGCCTACTGGATACTT
MpDV2           TGTAAACACTTGAGTAAATAGTGATGACGTCACCCCCACCTAGTCGCCTGCTGGATACTT
MpnDV           TGTAAACACTTGAGTAAATAGTGATGACGTCACCCCCACCTAGTCGCCTGCTGGATACTT
                ************************************************ **********

MpDN1           GTCTATCTTTTTATTATATAAAAAGATCCCCTACTAATAATAACCACTACCTACTTCCGG 3′ITR-based TATA box
MpDV2           GTCTATCTTTTTATTATATAAAAGATCCCCTAC---TAATACCCACTACCTACTTCCGG
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MpnDV           GTCTATCTTTTTATTATATAAAAGATCCCCTAA---TAATAACCACTACCTACTTCC--
                ********************************    ***** ***************

MpDN1           GGGGCGGGGGGTATCCTTTGTTATCTATACTTATTGTCAACACTAG-CCTTATCTTAGGG
MpDV2           GGGGCGGGGGGTATCCTTTGTTATCTATACTTATTGTCAACACTAGCCCTTATCTTAGGG
MpnDV           ------------------------------------------------------------

MpDN1           CGTGTCGGCCGACACGTGTCATGGCCATGACACTAGCCCTAAGATAAGG-CTAGTGTTGAC
MpDV2           CGTGTCGGCCGACACGTGTCATGGCCATGACACT-GGCCTAAGATAAGGGCTAGTGTTGAC
MpnDV           ------------------------------------------------------------

MpDN1           AATAAGTATAGATAACAAGGATACCCCCCGCCCCCCGGAAGTAGGTAGTGGTTATTATTA
MpDV2           A-----------------------------------------------------------
MpnDV           ------------------------------------------------------------

MpDN1           GTAGGGGATCTTTTTATAT
MpDV2           -------------------
MpnDV           -------------------
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(d) **Multiple sequence alignment of Trinity contigs representing MpDV1 mRNAs.** The contigs were assembled from Illumina mRNA-seq reads obtained from *M. persicae* aphids fed on *A. thaliana* mock-inoculated (APFV-5-6-7) or TuYV-infected plants (APFV-11-12-13) or on artificial diets with TuYV virions (APFV-8-9-10) or without virions (APFV-14-15-16).

APFV-5-6-7 (A. thaliana mock-inoculated)

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MpDNV_mRNA_seq_consensus      ATAATAAAAAGATAGACAAGTATCCAGTAGGCGACTAGGTGGGGGTGACGTCATCACTAT
TRINITY_DN2_c0_g2_i4  APFV-7  ----------------------------------------------------CATCACTAT NS 5'-end
TRINITY_DN2_c0_g2_i2  APFV-5  ------------------------------------------------------------AT NS 5'-end
TRINITY_DN2_c0_g2_i1  APFV-5  ------------------------------------------------------------AT NS 5'-end
TRINITY_DN9_c0_g1_i1  APFV-6  ------------------------------------------------------------
TRINITY_DN9_c0_g1_i2  APFV-6  ------------------------------------------------------------

MpDNV_mRNA_seq_consensus      TTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGTG
TRINITY_DN2_c0_g2_i4          TTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGTG
TRINITY_DN2_c0_g2_i2          TTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGTG
TRINITY_DN2_c0_g2_i1          TTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGTG
TRINITY_DN9_c0_g1_i1          ------------------------------------------------------------
TRINITY_DN9_c0_g1_i2          ------------------------------------------------------------

MpDNV_mRNA_seq_consensus      ATTGATTATTTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATAT 5'ITR TATA-box
TRINITY_DN2_c0_g2_i4          ATTGATTATTTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATAT
TRINITY_DN2_c0_g2_i2          ATTGATTATCTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATAT
TRINITY_DN2_c0_g2_i1          ATTGATTATCTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATAT
TRINITY_DN9_c0_g1_i1          ------------------------------------------------------------
TRINITY_DN9_c0_g1_i2          ------------------------------------------------------------

MpDNV_mRNA_seq_consensus      ATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAGA
TRINITY_DN2_c0_g2_i4          ATAATGAAGTGTGGAACCTACAACAATGTCAGTACTCATCAAAATGTCAAACTCGCAAGA
TRINITY_DN2_c0_g2_i2          ATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAGA
TRINITY_DN2_c0_g2_i1          ATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAGA
TRINITY_DN9_c0_g1_i1          -------AGTGTGGAACCTACAACAATGTCAGTACTCATCAAAATGTCAAACTCGCAAGA NS 5'-end
TRINITY_DN9_c0_g1_i2          -------AGTGTGGAACCTACAACAATGTCAGTACTCATCAAAATGTCAAACTCGCAAGA NS 5'-end
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MpDNV_mRNA_seq_consensus      AGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTAC
TRINITY_DN2_c0_g2_i4          AGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTAC
TRINITY_DN2_c0_g2_i2          AGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTAC
TRINITY_DN2_c0_g2_i1          AGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTAC
TRINITY_DN9_c0_g1_i1          AGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTAC
TRINITY_DN9_c0_g1_i2          AGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTAC
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MpDNV_mRNA_seq_consensus      AGCGGCGACGATTCAAACGGACCACCAACAGACTGGCGTGAATGGATCGACCCCGATGTT
TRINITY_DN2_c0_g2_i4          AGCGGCGACGATTCAAACGGACCACCAACAGACTGGCGTGAATGGATCGACCCCGATGTT
TRINITY_DN2_c0_g2_i2          AGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGTT
TRINITY_DN2_c0_g2_i1          AGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGTT
TRINITY_DN9_c0_g1_i1          AGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGTT
TRINITY_DN9_c0_g1_i2          AGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGTT
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MpDNV_mRNA_seq_consensus      CGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCACT
TRINITY_DN2_c0_g2_i4          CGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCACT
TRINITY_DN2_c0_g2_i2          CGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCACT
TRINITY_DN2_c0_g2_i1          CGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCACT
TRINITY_DN9_c0_g1_i1          CGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCACT
TRINITY_DN9_c0_g1_i2          CGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCACT
                              ************************************************************

MpDNV_mRNA_seq_consensus      GACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACATG
TRINITY_DN2_c0_g2_i4          GACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACATG
TRINITY_DN2_c0_g2_i2          GACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACATG
TRINITY_DN2_c0_g2_i1          GACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACATG
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TRINITY_DN9_c0_g1_i1          GACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACATG
TRINITY_DN9_c0_g1_i2          GACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACATG
                              ************************************************************

MpDNV_mRNA_seq_consensus      CATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCAG
TRINITY_DN2_c0_g2_i4          CATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCAG
TRINITY_DN2_c0_g2_i2          CATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCAG
TRINITY_DN2_c0_g2_i1          CATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCAG
TRINITY_DN9_c0_g1_i1          CATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCAG
TRINITY_DN9_c0_g1_i2          CATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCAG
                              ************************************************************

MpDNV_mRNA_seq_consensus      CGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGGA
TRINITY_DN2_c0_g2_i4          CGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGGA
TRINITY_DN2_c0_g2_i2          CGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGGA
TRINITY_DN2_c0_g2_i1          CGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGGA
TRINITY_DN9_c0_g1_i1          CGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGGA
TRINITY_DN9_c0_g1_i2          CGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGGA
                              ************************************************************

MpDNV_mRNA_seq_consensus      ATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGAA
TRINITY_DN2_c0_g2_i4          ATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGAA
TRINITY_DN2_c0_g2_i2          ATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGAA
TRINITY_DN2_c0_g2_i1          ATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGAA
TRINITY_DN9_c0_g1_i1          ATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGAA
TRINITY_DN9_c0_g1_i2          ATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGAA
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MpDNV_mRNA_seq_consensus      ATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACATC
TRINITY_DN2_c0_g2_i4          ATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACATC
TRINITY_DN2_c0_g2_i2          ATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACATC
TRINITY_DN2_c0_g2_i1          ATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACATC
TRINITY_DN9_c0_g1_i1          ATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACATC
TRINITY_DN9_c0_g1_i2          ATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACATC
                              ************************************************************

MpDNV_mRNA_seq_consensus      CTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTATC
TRINITY_DN2_c0_g2_i4          CTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTATC
TRINITY_DN2_c0_g2_i2          CTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTATC
TRINITY_DN2_c0_g2_i1          CTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTATC
TRINITY_DN9_c0_g1_i1          CTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTATC
TRINITY_DN9_c0_g1_i2          CTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTATC
                              ************************************************************

MpDNV_mRNA_seq_consensus      GCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGTC
TRINITY_DN2_c0_g2_i4          GCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGTC
TRINITY_DN2_c0_g2_i2          GCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGTC
TRINITY_DN2_c0_g2_i1          GCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGTC
TRINITY_DN9_c0_g1_i1          GCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGTC
TRINITY_DN9_c0_g1_i2          GCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGTC
                              ************************************************************

MpDNV_mRNA_seq_consensus      GTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGCT
TRINITY_DN2_c0_g2_i4          GTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGCT
TRINITY_DN2_c0_g2_i2          GTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGCT
TRINITY_DN2_c0_g2_i1          GTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGCT
TRINITY_DN9_c0_g1_i1          GTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGCT
TRINITY_DN9_c0_g1_i2          GTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGCT
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MpDNV_mRNA_seq_consensus      GCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATCA
TRINITY_DN2_c0_g2_i4          GCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATCA
TRINITY_DN2_c0_g2_i2          GCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATCA
TRINITY_DN2_c0_g2_i1          GCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATCA
TRINITY_DN9_c0_g1_i1          GCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATCA
TRINITY_DN9_c0_g1_i2          GCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATCA
                              ************************************************************

MpDNV_mRNA_seq_consensus      GAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGAA
TRINITY_DN2_c0_g2_i4          GAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGAA
TRINITY_DN2_c0_g2_i2          GAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGAA
TRINITY_DN2_c0_g2_i1          GAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGAA
TRINITY_DN9_c0_g1_i1          GAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGAA
TRINITY_DN9_c0_g1_i2          GAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGAA
                              ************************************************************

MpDNV_mRNA_seq_consensus      GTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAGT 5′ splice site
TRINITY_DN2_c0_g2_i4   APFV-7 GTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCA------ spliced intron
TRINITY_DN2_c0_g2_i2   APFV-5 GTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAGT unspliced
TRINITY_DN2_c0_g2_i1   APFV-5 GTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCA------ spliced intron
TRINITY_DN9_c0_g1_i1   APFV-6 GTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAGT unspliced
TRINITY_DN9_c0_g1_i2   APFV-6 GTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCA------ spliced intron
                              **************************************************

MpDNV_mRNA_seq_consensus      ATTGCGTAATTTTTTTATATACTTGGATTGGTTGACGGGTATAGAAGCGAATAGATGCGT
TRINITY_DN2_c0_g2_i4          ---------------------------------------------------------
TRINITY_DN2_c0_g2_i2          ATTGCGTAATTTTTTTATATACTTGGATTGGTTGACGGGTATAGAAGCGAATAGATGCGT
TRINITY_DN2_c0_g2_i1          ---------------------------------------------------------
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TRINITY_DN9_c0_g1_i1          ATTGCGTAATTTTTTTATATACTTGGATTGGTTGACGGGTATAGAAGCGAATAGATGCGT
TRINITY_DN9_c0_g1_i2          ------------------------------------------------------------


MpDNV_mRNA_seq_consensus      TTCATATATTAAAACTGGTATGCCTGGCAGGAGTTACGTTAAAAGCGTGATGCCAAAAAA
TRINITY_DN2_c0_g2_i4          ------------------------------------------------------------
TRINITY_DN2_c0_g2_i2          TTCATATATTAAAACTGGTATGCCTGGCAGGAGTTACGTTAAAAGCGTGATGCCAAAAAA
TRINITY_DN2_c0_g2_i1          ------------------------------------------------------------
TRINITY_DN9_c0_g1_i1          TTCATATATTAAAACTGGTATGCCTGGCAGGAGTTACGTTAAAAGCGTGATGCCAAAAAA
TRINITY_DN9_c0_g1_i2          ------------------------------------------------------------


MpDNV_mRNA_seq_consensus      TTATTGGCGTAATCCTAAAGAATTTCACTTAGCGCTTGATAAATTAGAGTTGCTCGTTAA
TRINITY_DN2_c0_g2_i4          ------------------------------------------------------------
TRINITY_DN2_c0_g2_i2          TTATTGGCGTAATCCTAAAGAATTTCACTTAGCGCTTGATAAATTAGAGTTGCTCGTTAA
TRINITY_DN2_c0_g2_i1          ------------------------------------------------------------
TRINITY_DN9_c0_g1_i1          TTATTGGCGTAATCCTAAAGAATTTCACTTAGCGCTTGATAAATTAGAGTTGCTCGTTAA
TRINITY_DN9_c0_g1_i2          ------------------------------------------------------------


MpDNV_mRNA_seq_consensus      ACGACATTTCGGTGATTTCACGTGTTTGGAAAATTTTTTACCGCAATATCGTTGGCATAA
TRINITY_DN2_c0_g2_i4          ------------------------------------------------------------
TRINITY_DN2_c0_g2_i2          ACGACATTTCGGTGATTTCACGTGTTTGGAAAATTTTTTACCGCAATATCGTTGGCATAA
TRINITY_DN2_c0_g2_i1          ------------------------------------------------------------
TRINITY_DN9_c0_g1_i1          ACGACATTTCGGTGATTTCACGTGTTTGGAAAATTTTTTACCGCAATATCGTTGGCATAA
TRINITY_DN9_c0_g1_i2          ------------------------------------------------------------


MpDNV_mRNA_seq_consensus      TTGCATCACATGGTTTGTGAACGTGATGTCCTGTCCGTTGGACCCGTGGACTGTCGAATG
TRINITY_DN2_c0_g2_i4          ------------------------------------------------------------
TRINITY_DN2_c0_g2_i2          TTGCATCACATGGTTTGTGAACGTGATGTCCTGTCCGTTGGACCCGTGGACTGTCGAATG
TRINITY_DN2_c0_g2_i1          ------------------------------------------------------------
TRINITY_DN9_c0_g1_i1          TTGCATCACATGGTTTGTGAACGTGATGTCCTGTCCGTTGGACCCGTGGACTGTCGAATG
TRINITY_DN9_c0_g1_i2          ------------------------------------------------------------


MpDNV_mRNA_seq_consensus      TGCTGGTTGTGGTTTTCAACATATTCCTAATATATCTAAATGCGAACTACTACGAGACTA
TRINITY_DN2_c0_g2_i4          ------------------------------------------------------------
TRINITY_DN2_c0_g2_i2          TGCTGGTTGTGGTTTTCAACATATTCCTAATATATCTAAATGCGAACTACTACGAGACTA
TRINITY_DN2_c0_g2_i1          ------------------------------------------------------------
TRINITY_DN9_c0_g1_i1          TGCTGGTTGTGGTTTTCAACATATTCCTAATATATCTAAATGCGAACTACTACGAGACTA
TRINITY_DN9_c0_g1_i2          ------------------------------------------------------------


MpDNV_mRNA_seq_consensus      TCCGTTCATGAACGAGGGCACTATAAATCATATACTAATCGAATGCATTAAAATTTACAA
TRINITY_DN2_c0_g2_i4          ------------------------------------------------------------
TRINITY_DN2_c0_g2_i2          TCCGTTCATGAACGAGGGCACTATAAATCATATACTAATCGAATGCATTAAAATTTACAA
TRINITY_DN2_c0_g2_i1          ------------------------------------------------------------
TRINITY_DN9_c0_g1_i1          TCCGTTCATGAACGAGGGCACTATAAATCATATACTAATCGAATGCATTAAAATTTACAA
TRINITY_DN9_c0_g1_i2          ------------------------------------------------------------


MpDNV_mRNA_seq_consensus      ACAGGAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGCA 3' splice site
TRINITY_DN2_c0_g2_i4          ----GAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGCA spliced intron
TRINITY_DN2_c0_g2_i2          ACAGGAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGCA unspliced
TRINITY_DN2_c0_g2_i1          ----GAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGCA spliced intron
TRINITY_DN9_c0_g1_i1          ACAGGAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGCA unspliced
TRINITY_DN9_c0_g1_i2          ----GAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGCA spliced intron
                                  ************************************************************


MpDNV_mRNA_seq_consensus      GGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAAC
TRINITY_DN2_c0_g2_i4          GGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAAC
TRINITY_DN2_c0_g2_i2          GGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAAC
TRINITY_DN2_c0_g2_i1          GGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAAC
TRINITY_DN9_c0_g1_i1          GGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAAC
TRINITY_DN9_c0_g1_i2          GGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAAC
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MpDNV_mRNA_seq_consensus      AGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTTT
TRINITY_DN2_c0_g2_i4          AGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTTT
TRINITY_DN2_c0_g2_i2          AGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTTT
TRINITY_DN2_c0_g2_i1          AGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTTT
TRINITY_DN9_c0_g1_i1          AGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTTT
TRINITY_DN9_c0_g1_i2          AGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTTT
                              ************************************************************


MpDNV_mRNA_seq_consensus      TCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGCA
TRINITY_DN2_c0_g2_i4          TCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGCA
TRINITY_DN2_c0_g2_i2          TCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGCA
TRINITY_DN2_c0_g2_i1          TCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGCA
TRINITY_DN9_c0_g1_i1          TCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGCA
TRINITY_DN9_c0_g1_i2          TCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGCA
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MpDNV_mRNA_seq_consensus      GCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTAT
TRINITY_DN2_c0_g2_i4          GCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTAT
TRINITY_DN2_c0_g2_i2          GCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTAT
TRINITY_DN2_c0_g2_i1          GCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTAT
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TRINITY_DN9_c0_g1_i1          GCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTAT
TRINITY_DN9_c0_g1_i2          GCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTAT
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MpDNV_mRNA_seq_consensus      ATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTAA
TRINITY_DN2_c0_g2_i4          ATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTAA
TRINITY_DN2_c0_g2_i2          ATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTAA
TRINITY_DN2_c0_g2_i1          ATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTAA
TRINITY_DN9_c0_g1_i1          ATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTAA
TRINITY_DN9_c0_g1_i2          ATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTAA
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MpDNV_mRNA_seq_consensus      TACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATTG
TRINITY_DN2_c0_g2_i4          TACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATTG
TRINITY_DN2_c0_g2_i2          TACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATTG
TRINITY_DN2_c0_g2_i1          TACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATTG
TRINITY_DN9_c0_g1_i1          TACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATTG
TRINITY_DN9_c0_g1_i2          TACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATTG
                              ************************************************************

MpDNV_mRNA_seq_consensus      GGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTAC
TRINITY_DN2_c0_g2_i4          GGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTAC
TRINITY_DN2_c0_g2_i2          GGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTAC
TRINITY_DN2_c0_g2_i1          GGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTAC
TRINITY_DN9_c0_g1_i1          GGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTAC
TRINITY_DN9_c0_g1_i2          GGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTAC
                              ************************************************************

MpDNV_mRNA_seq_consensus      AGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTTC
TRINITY_DN2_c0_g2_i4          AGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTTC
TRINITY_DN2_c0_g2_i2          AGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTTC
TRINITY_DN2_c0_g2_i1          AGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTTC
TRINITY_DN9_c0_g1_i1          AGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTTC
TRINITY_DN9_c0_g1_i2          AGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTTC
                              ************************************************************

MpDNV_mRNA_seq_consensus      GGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAGT
TRINITY_DN2_c0_g2_i4          GGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAGT
TRINITY_DN2_c0_g2_i2          GGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAGT
TRINITY_DN2_c0_g2_i1          GGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAGT
TRINITY_DN9_c0_g1_i1          GGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAGT
TRINITY_DN9_c0_g1_i2          GGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAGT
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MpDNV_mRNA_seq_consensus      AGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAAA
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TRINITY_DN2_c0_g2_i1          AGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAAA
TRINITY_DN9_c0_g1_i1          AGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAAA
TRINITY_DN9_c0_g1_i2          AGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAAA
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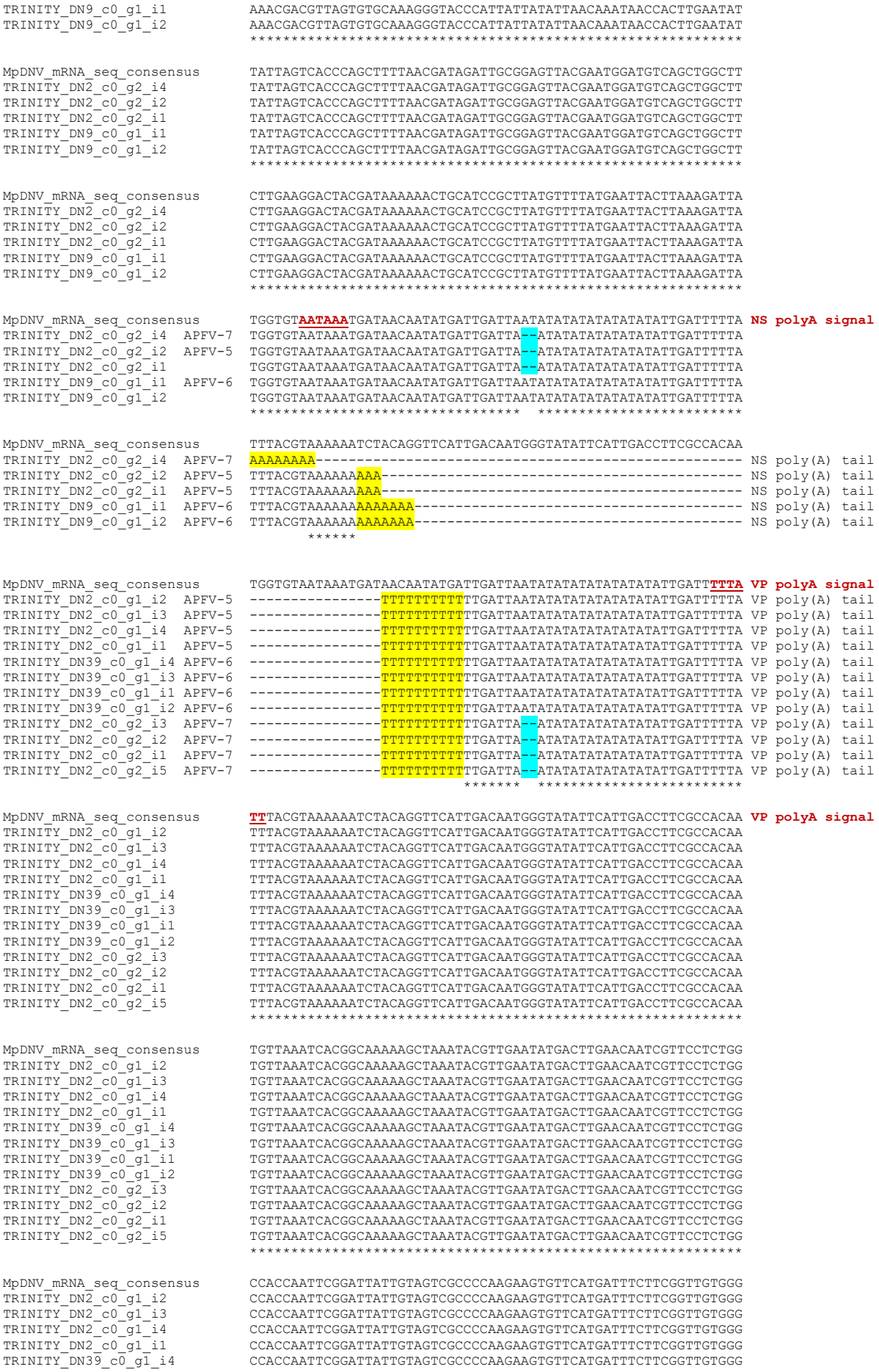
MpDNV_mRNA_seq_consensus      TAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTGC
TRINITY_DN2_c0_g2_i4          TAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTGC
TRINITY_DN2_c0_g2_i2          TAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTGC
TRINITY_DN2_c0_g2_i1          TAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTGC
TRINITY_DN9_c0_g1_i1          TAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTGC
TRINITY_DN9_c0_g1_i2          TAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTGC
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MpDNV_mRNA_seq_consensus      ATCGTATTTGCTTTCATATGGTATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGTG
TRINITY_DN2_c0_g2_i4          ATCGTATTTGCTTTCATATGGTATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGTG
TRINITY_DN2_c0_g2_i2          ATCGTATTTGCTTTCATATGGCATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGTG
TRINITY_DN2_c0_g2_i1          ATCGTATTTGCTTTCATATGGCATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGTG
TRINITY_DN9_c0_g1_i1          ATCGTATTTGCTTTCATATGGCATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGTG
TRINITY_DN9_c0_g1_i2          ATCGTATTTGCTTTCATATGGCATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGTG
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MpDNV_mRNA_seq_consensus      GGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACCA
TRINITY_DN2_c0_g2_i4          GGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACCA
TRINITY_DN2_c0_g2_i2          GGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACCA
TRINITY_DN2_c0_g2_i1          GGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACCA
TRINITY_DN9_c0_g1_i1          GGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACCA
TRINITY_DN9_c0_g1_i2          GGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACCA
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MpDNV_mRNA_seq_consensus      TATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATGC
TRINITY_DN2_c0_g2_i4          TATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATGC
TRINITY_DN2_c0_g2_i2          TATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATGC
TRINITY_DN2_c0_g2_i1          TATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATGC
TRINITY_DN9_c0_g1_i1          TATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATGC
TRINITY_DN9_c0_g1_i2          TATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATGC
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MpDNV_mRNA_seq_consensus      AAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATAT
TRINITY_DN2_c0_g2_i4          AAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATAT
TRINITY_DN2_c0_g2_i2          AAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATAT
TRINITY_DN2_c0_g2_i1          AAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATAT
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TRINITY_DN9_c0_g1_i1 AAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATAT
TRINITY_DN9_c0_g1_i2 AAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATAT
MpDNV_mRNA_seq_consensus TATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCTT
TRINITY_DN2_c0_g2_i4 TATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCTT
TRINITY_DN2_c0_g2_i2 TATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCTT
TRINITY_DN2_c0_g2_i1 TATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCTT
TRINITY_DN9_c0_g1_i1 TATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCTT
TRINITY_DN9_c0_g1_i2 TATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCTT
MpDNV_mRNA_seq_consensus CTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATTA
TRINITY_DN2_c0_g2_i4 CTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATTA
TRINITY_DN2_c0_g2_i2 CTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATTA
TRINITY_DN2_c0_g2_i1 CTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATTA
TRINITY_DN9_c0_g1_i1 CTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATTA
TRINITY_DN9_c0_g1_i2 CTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATTA
MpDNV_mRNA_seq_consensus TGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATATTGATTTTTA NS polyA signal
TRINITY_DN2_c0_g2_i4 APFV-7 TGGTGTAATAAATGATAACAATATGATTGATTA--ATATATATATATATATTGATTTTTA
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TRINITY_DN2_c0_g2_i1 TGGTGTAATAAATGATAACAATATGATTGATTA--ATATATATATATATATTGATTTTTA
TRINITY_DN9_c0_g1_i1 APFV-6 TGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATATTGATTTTTA
TRINITY_DN9_c0_g1_i2 TGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATATTGATTTTTA
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TRINITY_DN2_c0_g2_i4 APFV-7 AAAAAAAA---------- NS poly(A) tail
TRINITY_DN2_c0_g2_i2 APFV-5 TTTACGTAAAAAAAAA---------- NS poly(A) tail
TRINITY_DN2_c0_g2_i1 APFV-5 TTTACGTAAAAAAAAA---------- NS poly(A) tail
TRINITY_DN9_c0_g1_i1 APFV-6 TTTACGTAAAAAAAAAAAAA---------- NS poly(A) tail
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MpDNV_mRNA_seq_consensus TGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATATTGATTTTTA VP polyA signal
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TRINITY_DN2_c0_g1_i3 APFV-5 ----------TTTTTTTTTTTTGATTAATATATATATATATATTGATTTTTA VP poly(A) tail
TRINITY_DN2_c0_g1_i4 APFV-5 ----------TTTTTTTTTTTTGATTAATATATATATATATATTGATTTTTA VP poly(A) tail
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TRINITY_DN2_c0_g2_i3 APFV-7 ----------TTTTTTTTTTTTGATTA--ATATATATATATATATTGATTTTTA VP poly(A) tail
TRINITY_DN2_c0_g2_i2 APFV-7 ----------TTTTTTTTTTTTGATTA--ATATATATATATATATTGATTTTTA VP poly(A) tail
TRINITY_DN2_c0_g2_i1 APFV-7 ----------TTTTTTTTTTTTGATTA--ATATATATATATATATTGATTTTTA VP poly(A) tail
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MpDNV_mRNA_seq_consensus TTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA VP polyA signal
TRINITY_DN2_c0_g1_i2 TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
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TRINITY_DN2_c0_g1_i1 TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
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TRINITY_DN39_c0_g1_i2 TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
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TRINITY_DN2_c0_g1_i3 CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
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TRINITY_DN2_c0_g1_i1 CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
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TRINITY_DN2_c0_g2_i3           CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN2_c0_g2_i2           CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN2_c0_g2_i1           CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN2_c0_g2_i5           CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
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MpDNV_mRNA_seq_consensus       TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
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TRINITY_DN2_c0_g1_i3           TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN2_c0_g1_i4           TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN2_c0_g1_i1           TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN39_c0_g1_i4          TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN39_c0_g1_i3          TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN39_c0_g1_i1          TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN39_c0_g1_i2          TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN2_c0_g2_i3           TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN2_c0_g2_i2           TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN2_c0_g2_i1           TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN2_c0_g2_i5           TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
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MpDNV_mRNA_seq_consensus       TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA 3′ splice site
TRINITY_DN2_c0_g1_i2           TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA unspliced
TRINITY_DN2_c0_g1_i3           TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA unspliced
TRINITY_DN2_c0_g1_i4           T------------------------------------------------------------ spliced intron 2
TRINITY_DN2_c0_g1_i1           T------------------------------------------------------------ spliced intron 2
TRINITY_DN39_c0_g1_i4          T------------------------------------------------------------ spliced intron 2
TRINITY_DN39_c0_g1_i3          TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA unspliced
TRINITY_DN39_c0_g1_i1          T------------------------------------------------------------ spliced intron 2
TRINITY_DN39_c0_g1_i2          TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA unspliced
TRINITY_DN2_c0_g2_i3           TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA unspliced
TRINITY_DN2_c0_g2_i2           TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA unspliced
TRINITY_DN2_c0_g2_i1           T------------------------------------------------------------ spliced intron 2
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MpDNV_mRNA_seq_consensus       CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCGAACAGACGTAGGTACAGGTGT 5′ splice site
TRINITY_DN2_c0_g1_i2           CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT unspliced
TRINITY_DN2_c0_g1_i3           CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT unspliced
TRINITY_DN2_c0_g1_i4           ----------------------------------CCGAACAGACGTAGGTACAGGTGT spliced intron 2
TRINITY_DN2_c0_g1_i1           ----------------------------------CCGAACAGACGTAGGTACAGGTGT spliced intron 2
TRINITY_DN39_c0_g1_i4          ----------------------------------CCGAACAGACGTAGGTACAGGTGT spliced intron 2
TRINITY_DN39_c0_g1_i3          CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT unspliced
TRINITY_DN39_c0_g1_i1          ----------------------------------CCGAACAGACGTAGGTACAGGTGT spliced intron 2
TRINITY_DN39_c0_g1_i2          CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT unspliced
TRINITY_DN2_c0_g2_i3           CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT unspliced
TRINITY_DN2_c0_g2_i2           CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT unspliced
TRINITY_DN2_c0_g2_i1           ----------------------------------CCGAACAGACGTAGGTACAGGTGT spliced intron 2
TRINITY_DN2_c0_g2_i5           ----------------------------------CCGAACAGACGTAGGTACAGGTGT spliced intron 2
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MpDNV_mRNA_seq_consensus       AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN2_c0_g1_i2           AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN2_c0_g1_i3           AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN2_c0_g1_i4           AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN2_c0_g1_i1           AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN39_c0_g1_i4          AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN39_c0_g1_i3          AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN39_c0_g1_i1          AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN39_c0_g1_i2          AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN2_c0_g2_i3           AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN2_c0_g2_i2           AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN2_c0_g2_i1           AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN2_c0_g2_i5           AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
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MpDNV_mRNA_seq_consensus       GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN2_c0_g1_i2           GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
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TRINITY_DN2_c0_g1_i4           GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN2_c0_g1_i1           GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN39_c0_g1_i4          GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN39_c0_g1_i3          GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN39_c0_g1_i1          GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN39_c0_g1_i2          GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN2_c0_g2_i3           GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN2_c0_g2_i2           GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN2_c0_g2_i1           GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN2_c0_g2_i5           GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
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MpDNV_mRNA_seq_consensus       TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN2_c0_g1_i2           TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
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TRINITY_DN2_c0_g1_i4           TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
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TRINITY_DN2_c0_g1_i1          TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
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TRINITY_DN39_c0_g1_i3         TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN39_c0_g1_i1         TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN39_c0_g1_i2         TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN2_c0_g2_i3          TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN2_c0_g2_i2          TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN2_c0_g2_i1          TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN2_c0_g2_i5          TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
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MpDNV_mRNA_seq_consensus      ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN2_c0_g1_i2          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN2_c0_g1_i3          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN2_c0_g1_i4          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN2_c0_g1_i1          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN39_c0_g1_i4         ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
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TRINITY_DN39_c0_g1_i1         ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN39_c0_g1_i2         ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN2_c0_g2_i3          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN2_c0_g2_i2          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN2_c0_g2_i1          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN2_c0_g2_i5          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
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MpDNV_mRNA_seq_consensus      CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN2_c0_g1_i2          CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN2_c0_g1_i3          CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN2_c0_g1_i4          CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN2_c0_g1_i1          CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN39_c0_g1_i4         CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN39_c0_g1_i3         CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN39_c0_g1_i1         CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN39_c0_g1_i2         CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN2_c0_g2_i3          CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN2_c0_g2_i2          CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN2_c0_g2_i1          CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN2_c0_g2_i5          CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
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MpDNV_mRNA_seq_consensus      GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
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TRINITY_DN2_c0_g1_i3          GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN2_c0_g1_i4          GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN2_c0_g1_i1          GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN39_c0_g1_i4         GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN39_c0_g1_i3         GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN39_c0_g1_i1         GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN39_c0_g1_i2         GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN2_c0_g2_i3          GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN2_c0_g2_i2          GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN2_c0_g2_i1          GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN2_c0_g2_i5          GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
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MpDNV_mRNA_seq_consensus      CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
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TRINITY_DN2_c0_g1_i3          CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN2_c0_g1_i4          CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN2_c0_g1_i1          CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN39_c0_g1_i4         CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN39_c0_g1_i3         CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN39_c0_g1_i1         CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN39_c0_g1_i2         CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN2_c0_g2_i3          CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN2_c0_g2_i2          CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN2_c0_g2_i1          CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN2_c0_g2_i5          CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
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MpDNV_mRNA_seq_consensus      GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
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TRINITY_DN2_c0_g1_i3          GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN2_c0_g1_i4          GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN2_c0_g1_i1          GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN39_c0_g1_i4         GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN39_c0_g1_i3         GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN39_c0_g1_i1         GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN39_c0_g1_i2         GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN2_c0_g2_i3          GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN2_c0_g2_i2          GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN2_c0_g2_i1          GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN2_c0_g2_i5          GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
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MpDNV_mRNA_seq_consensus      GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN2_c0_g1_i2          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
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TRINITY_DN2_c0_g1_i3          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN2_c0_g1_i4          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN2_c0_g1_i1          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN39_c0_g1_i4         GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN39_c0_g1_i3         GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN39_c0_g1_i1         GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN39_c0_g1_i2         GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN2_c0_g2_i3          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN2_c0_g2_i2          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN2_c0_g2_i1          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN2_c0_g2_i5          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
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MpDNV_mRNA_seq_consensus      GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN2_c0_g1_i2          GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
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TRINITY_DN2_c0_g1_i4          GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN2_c0_g1_i1          GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN39_c0_g1_i4         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN39_c0_g1_i3         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN39_c0_g1_i1         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN39_c0_g1_i2         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN2_c0_g2_i3          GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN2_c0_g2_i2          GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN2_c0_g2_i1          GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN2_c0_g2_i5          GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
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MpDNV_mRNA_seq_consensus      AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN2_c0_g1_i2          AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN2_c0_g1_i3          AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN2_c0_g1_i4          AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN2_c0_g1_i1          AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN39_c0_g1_i4         AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN39_c0_g1_i3         AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN39_c0_g1_i1         AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN39_c0_g1_i2         AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN2_c0_g2_i3          AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN2_c0_g2_i2          AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN2_c0_g2_i1          AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN2_c0_g2_i5          AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
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MpDNV_mRNA_seq_consensus      TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN2_c0_g1_i2          TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
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TRINITY_DN2_c0_g1_i4          TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN2_c0_g1_i1          TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN39_c0_g1_i4         TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN39_c0_g1_i3         TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN39_c0_g1_i1         TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
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TRINITY_DN2_c0_g2_i3          TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN2_c0_g2_i2          TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN2_c0_g2_i1          TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN2_c0_g2_i5          TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
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MpDNV_mRNA_seq_consensus      AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN2_c0_g1_i2          AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN2_c0_g1_i3          AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN2_c0_g1_i4          AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN2_c0_g1_i1          AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN39_c0_g1_i4         AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN39_c0_g1_i3         AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN39_c0_g1_i1         AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
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TRINITY_DN2_c0_g2_i3          AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN2_c0_g2_i2          AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN2_c0_g2_i1          AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN2_c0_g2_i5          AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
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MpDNV_mRNA_seq_consensus      AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN2_c0_g1_i2          AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN2_c0_g1_i3          AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN2_c0_g1_i4          AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN2_c0_g1_i1          AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
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TRINITY_DN2_c0_g2_i3          AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN2_c0_g2_i2          AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN2_c0_g2_i1          AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN2_c0_g2_i5          AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
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MpDNV_mRNA_seq_consensus      CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN2_c0_g1_i2          CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN2_c0_g1_i3          CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN2_c0_g1_i4          CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN2_c0_g1_i1          CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN39_c0_g1_i4         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
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TRINITY_DN2_c0_g2_i3          CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN2_c0_g2_i2          CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN2_c0_g2_i1          CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN2_c0_g2_i5          CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
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MpDNV_mRNA_seq_consensus      ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN2_c0_g1_i2          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN2_c0_g1_i3          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN2_c0_g1_i4          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN2_c0_g1_i1          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN39_c0_g1_i4         ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN39_c0_g1_i3         ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN39_c0_g1_i1         ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN39_c0_g1_i2         ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN2_c0_g2_i3          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN2_c0_g2_i2          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN2_c0_g2_i1          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN2_c0_g2_i5          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
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MpDNV_mRNA_seq_consensus      ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN2_c0_g1_i2          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN2_c0_g1_i3          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN2_c0_g1_i4          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN2_c0_g1_i1          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN39_c0_g1_i4         ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN39_c0_g1_i3         ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN39_c0_g1_i1         ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN39_c0_g1_i2         ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN2_c0_g2_i3          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN2_c0_g2_i2          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN2_c0_g2_i1          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN2_c0_g2_i5          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
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MpDNV_mRNA_seq_consensus      ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN2_c0_g1_i2          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN2_c0_g1_i3          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN2_c0_g1_i4          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN2_c0_g1_i1          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN39_c0_g1_i4         ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN39_c0_g1_i3         ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN39_c0_g1_i1         ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN39_c0_g1_i2         ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN2_c0_g2_i3          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN2_c0_g2_i2          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN2_c0_g2_i1          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN2_c0_g2_i5          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
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MpDNV_mRNA_seq_consensus      AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN2_c0_g1_i2          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN2_c0_g1_i3          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN2_c0_g1_i4          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN2_c0_g1_i1          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN39_c0_g1_i4         AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN39_c0_g1_i3         AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN39_c0_g1_i1         AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN39_c0_g1_i2         AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN2_c0_g2_i3          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN2_c0_g2_i2          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN2_c0_g2_i1          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN2_c0_g2_i5          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
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MpDNV_mRNA_seq_consensus      AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN2_c0_g1_i2          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN2_c0_g1_i3          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN2_c0_g1_i4          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN2_c0_g1_i1          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN39_c0_g1_i4         AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN39_c0_g1_i3         AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN39_c0_g1_i1         AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN39_c0_g1_i2         AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN2_c0_g2_i3          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN2_c0_g2_i2          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN2_c0_g2_i1          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN2_c0_g2_i5          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
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MpDNV_mRNA_seq_consensus        TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN2_c0_g1_i2            TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN2_c0_g1_i3            TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN2_c0_g1_i4            TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN2_c0_g1_i1            TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN39_c0_g1_i4           TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN39_c0_g1_i3           TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN39_c0_g1_i1           TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN39_c0_g1_i2           TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN2_c0_g2_i3            TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN2_c0_g2_i2            TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN2_c0_g2_i1            TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN2_c0_g2_i5            TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
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MpDNV_mRNA_seq_consensus        ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN2_c0_g1_i2            ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN2_c0_g1_i3            ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN2_c0_g1_i4            ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN2_c0_g1_i1            ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN39_c0_g1_i4           ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN39_c0_g1_i3           ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN39_c0_g1_i1           ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN39_c0_g1_i2           ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN2_c0_g2_i3            ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN2_c0_g2_i2            ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN2_c0_g2_i1            ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN2_c0_g2_i5            ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
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MpDNV_mRNA_seq_consensus        CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN2_c0_g1_i2            CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN2_c0_g1_i3            CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN2_c0_g1_i4            CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN2_c0_g1_i1            CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN39_c0_g1_i4           CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN39_c0_g1_i3           CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN39_c0_g1_i1           CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN39_c0_g1_i2           CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN2_c0_g2_i3            CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN2_c0_g2_i2            CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN2_c0_g2_i1            CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN2_c0_g2_i5            CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
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MpDNV_mRNA_seq_consensus        ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN2_c0_g1_i2            ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN2_c0_g1_i3            ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN2_c0_g1_i4            ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN2_c0_g1_i1            ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN39_c0_g1_i4           ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN39_c0_g1_i3           ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN39_c0_g1_i1           ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN39_c0_g1_i2           ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN2_c0_g2_i3            ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN2_c0_g2_i2            ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN2_c0_g2_i1            ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN2_c0_g2_i5            ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
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MpDNV_mRNA_seq_consensus        CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN2_c0_g1_i2            CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN2_c0_g1_i3            CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN2_c0_g1_i4            CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN2_c0_g1_i1            CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN39_c0_g1_i4           CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN39_c0_g1_i3           CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN39_c0_g1_i1           CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN39_c0_g1_i2           CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN2_c0_g2_i3            CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN2_c0_g2_i2            CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN2_c0_g2_i1            CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN2_c0_g2_i5            CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
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MpDNV_mRNA_seq_consensus        GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN2_c0_g1_i2            GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN2_c0_g1_i3            GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN2_c0_g1_i4            GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN2_c0_g1_i1            GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN39_c0_g1_i4           GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN39_c0_g1_i3           GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN39_c0_g1_i1           GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN39_c0_g1_i2           GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN2_c0_g2_i3            GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN2_c0_g2_i2            GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
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TRINITY_DN2_c0_g2_i1          GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN2_c0_g2_i5          GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
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MpDNV_mRNA_seq_consensus      CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN2_c0_g1_i2          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN2_c0_g1_i3          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN2_c0_g1_i4          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN2_c0_g1_i1          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN39_c0_g1_i4         CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
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TRINITY_DN39_c0_g1_i2         CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN2_c0_g2_i3          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN2_c0_g2_i2          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN2_c0_g2_i1          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN2_c0_g2_i5          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
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MpDNV_mRNA_seq_consensus      ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG 3′ splice site
TRINITY_DN2_c0_g1_i2          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG unspliced
TRINITY_DN2_c0_g1_i3          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- spliced intron 1
TRINITY_DN2_c0_g1_i4          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG unspliced
TRINITY_DN2_c0_g1_i1          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- spliced intron 1
TRINITY_DN39_c0_g1_i4         ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- spliced intron 1
TRINITY_DN39_c0_g1_i3         ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- spliced intron 1
TRINITY_DN39_c0_g1_i1         ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG unspliced
TRINITY_DN39_c0_g1_i2         ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG unspliced
TRINITY_DN2_c0_g2_i3          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- spliced intron 1
TRINITY_DN2_c0_g2_i2          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG unspliced
TRINITY_DN2_c0_g2_i1          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- spliced intron 1
TRINITY_DN2_c0_g2_i5          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG unspliced
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MpDNV_mRNA_seq_consensus      TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN2_c0_g1_i2          TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN2_c0_g1_i3          -----------------------------------------------------------
TRINITY_DN2_c0_g1_i4          TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN2_c0_g1_i1          -----------------------------------------------------------
TRINITY_DN39_c0_g1_i4         -----------------------------------------------------------
TRINITY_DN39_c0_g1_i3         -----------------------------------------------------------
TRINITY_DN39_c0_g1_i1         TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN39_c0_g1_i2         TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN2_c0_g2_i3          -----------------------------------------------------------
TRINITY_DN2_c0_g2_i2          TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN2_c0_g2_i1          -----------------------------------------------------------
TRINITY_DN2_c0_g2_i5          TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA

MpDNV_mRNA_seq_consensus      ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN2_c0_g1_i2          ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN2_c0_g1_i3          -----------------------------------------------------------
TRINITY_DN2_c0_g1_i4          ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN2_c0_g1_i1          -----------------------------------------------------------
TRINITY_DN39_c0_g1_i4         -----------------------------------------------------------
TRINITY_DN39_c0_g1_i3         -----------------------------------------------------------
TRINITY_DN39_c0_g1_i1         ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN39_c0_g1_i2         ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN2_c0_g2_i3          -----------------------------------------------------------
TRINITY_DN2_c0_g2_i2          ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN2_c0_g2_i1          -----------------------------------------------------------
TRINITY_DN2_c0_g2_i5          ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG

MpDNV_mRNA_seq_consensus      CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC 5′ splice site
TRINITY_DN2_c0_g1_i2          CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC unspliced
TRINITY_DN2_c0_g1_i3          ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC spliced intron 1
TRINITY_DN2_c0_g1_i4          CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC unspliced
TRINITY_DN2_c0_g1_i1          ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC spliced intron 1
TRINITY_DN39_c0_g1_i4         ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC spliced intron 1
TRINITY_DN39_c0_g1_i3         ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC spliced intron 1
TRINITY_DN39_c0_g1_i1         CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC unspliced
TRINITY_DN39_c0_g1_i2         CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC unspliced
TRINITY_DN2_c0_g2_i3          ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC spliced intron 1
TRINITY_DN2_c0_g2_i2          CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC unspliced
TRINITY_DN2_c0_g2_i1          ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC spliced intron 1
TRINITY_DN2_c0_g2_i5          CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC unspliced
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MpDNV_mRNA_seq_consensus      TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN2_c0_g1_i2          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN2_c0_g1_i3          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN2_c0_g1_i4          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN2_c0_g1_i1          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN39_c0_g1_i4         TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN39_c0_g1_i3         TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN39_c0_g1_i1         TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN39_c0_g1_i2         TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
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TRINITY_DN2_c0_g2_i3          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN2_c0_g2_i2          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN2_c0_g2_i1          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN2_c0_g2_i5          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
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MpDNV_mRNA_seq_consensus      AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN2_c0_g1_i2          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN2_c0_g1_i3          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN2_c0_g1_i4          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN2_c0_g1_i1          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN39_c0_g1_i4         AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN39_c0_g1_i3         AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN39_c0_g1_i1         AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN39_c0_g1_i2         AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN2_c0_g2_i3          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN2_c0_g2_i2          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN2_c0_g2_i1          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN2_c0_g2_i5          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
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MpDNV_mRNA_seq_consensus      CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN2_c0_g1_i2          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN2_c0_g1_i3          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN2_c0_g1_i4          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN2_c0_g1_i1          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN39_c0_g1_i4         CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN39_c0_g1_i3         CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN39_c0_g1_i1         CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN39_c0_g1_i2         CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN2_c0_g2_i3          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN2_c0_g2_i2          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN2_c0_g2_i1          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN2_c0_g2_i5          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
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MpDNV_mRNA_seq_consensus      TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCAC
TRINITY_DN2_c0_g1_i2          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN2_c0_g1_i3          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN2_c0_g1_i4          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN2_c0_g1_i1          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN39_c0_g1_i4         TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCAC
TRINITY_DN39_c0_g1_i3         TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCAC
TRINITY_DN39_c0_g1_i1         TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCAC
TRINITY_DN39_c0_g1_i2         TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCAC
TRINITY_DN2_c0_g2_i3          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN2_c0_g2_i2          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN2_c0_g2_i1          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN2_c0_g2_i5          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
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MpDNV_mRNA_seq_consensus      TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN2_c0_g1_i2          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN2_c0_g1_i3          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN2_c0_g1_i4          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN2_c0_g1_i1          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN39_c0_g1_i4         TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN39_c0_g1_i3         TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN39_c0_g1_i1         TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN39_c0_g1_i2         TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN2_c0_g2_i3          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN2_c0_g2_i2          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN2_c0_g2_i1          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN2_c0_g2_i5          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
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MpDNV_mRNA_seq_consensus      CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN2_c0_g1_i2          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN2_c0_g1_i3          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN2_c0_g1_i4          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN2_c0_g1_i1          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN39_c0_g1_i4         CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN39_c0_g1_i3         CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN39_c0_g1_i1         CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN39_c0_g1_i2         CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN2_c0_g2_i3          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN2_c0_g2_i2          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN2_c0_g2_i1          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN2_c0_g2_i5          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
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MpDNV_mRNA_seq_consensus      TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN2_c0_g1_i2          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN2_c0_g1_i3          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN2_c0_g1_i4          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN2_c0_g1_i1          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN39_c0_g1_i4         TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN39_c0_g1_i3         TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
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TRINITY_DN39_c0_g1_i1          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN39_c0_g1_i2          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN2_c0_g2_i3           TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN2_c0_g2_i2           TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN2_c0_g2_i1           TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN2_c0_g2_i5           TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
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MpDNV_mRNA_seq_consensus       ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN2_c0_g1_i2           ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN2_c0_g1_i3           ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN2_c0_g1_i4           ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN2_c0_g1_i1           ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN39_c0_g1_i4          ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN39_c0_g1_i3          ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN39_c0_g1_i1          ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN39_c0_g1_i2          ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN2_c0_g2_i3           ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN2_c0_g2_i2           ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN2_c0_g2_i1           ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN2_c0_g2_i5           ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
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MpDNV_mRNA_seq_consensus       GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTTATAAAAAG 3'ITR TATA box
TRINITY_DN2_c0_g1_i2           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN2_c0_g1_i3           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN2_c0_g1_i4           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN2_c0_g1_i1           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN39_c0_g1_i4          GACGTCACCCCCACCTAGTCGCCCACTG-------------------------------- VP 5'-end
TRINITY_DN39_c0_g1_i3          GACGTCACCCCCACCTAGTCGCCCACTG-------------------------------- VP 5'-end
TRINITY_DN39_c0_g1_i1          GACGTCACCCCCACCTAGTCGCCCACTG-------------------------------- VP 5'-end
TRINITY_DN39_c0_g1_i2          GACGTCACCCCCACCTAGTCGCCCACTG-------------------------------- VP 5'-end
TRINITY_DN2_c0_g2_i3           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN2_c0_g2_i2           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN2_c0_g2_i1           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN2_c0_g2_i5           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
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MpDNV_mRNA_seq_consensus       ATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN2_c0_g1_i2           ATCCCCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN2_c0_g1_i3           ATCCCCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN2_c0_g1_i4           ATCCCCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN2_c0_g1_i1           ATCCCCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN39_c0_g1_i4          ------------------------------------------------------------
TRINITY_DN39_c0_g1_i3          ------------------------------------------------------------
TRINITY_DN39_c0_g1_i1          ------------------------------------------------------------
TRINITY_DN39_c0_g1_i2          ------------------------------------------------------------
TRINITY_DN2_c0_g2_i3           ATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN2_c0_g2_i2           ATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN2_c0_g2_i1           ATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN2_c0_g2_i5           ATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC

MpDNV_mRNA_seq_consensus       TATACTTATTGTCAACACTAGCCTTATCTTAGGGCGTGTCGGCCGACACGTGTCATGGCC
TRINITY_DN2_c0_g1_i2           TATACTTATTGTCAACACTAGCCTTATAC------------------------------- VP 5'-end
TRINITY_DN2_c0_g1_i3           TATACTTATTGTCAACACTAGCCTTATAC------------------------------- VP 5'-end
TRINITY_DN2_c0_g1_i4           TATACTTATTGTCAACACTAGCCTTATAC------------------------------- VP 5'-end
TRINITY_DN2_c0_g1_i1           TATACTTATTGTCAACACTAGCCTTATAC------------------------------- VP 5'-end
TRINITY_DN39_c0_g1_i4          ------------------------------------------------------------
TRINITY_DN39_c0_g1_i3          ------------------------------------------------------------
TRINITY_DN39_c0_g1_i1          ------------------------------------------------------------
TRINITY_DN39_c0_g1_i2          ------------------------------------------------------------
TRINITY_DN2_c0_g2_i3           TATACTTATTGTCAACACTAGCCTTATCTTAGGGCT------------AGTGTCATGGCC
TRINITY_DN2_c0_g2_i2           TATACTTATTGTCAACACTAGCCTTATCTTAGGGCT------------AGTGTCATGGCC
TRINITY_DN2_c0_g2_i1           TATACTTATTGTCAACACTAGCCTTATCTTAGGGCT------------AGTGTCATGGCC
TRINITY_DN2_c0_g2_i5           TATACTTATTGTCAACACTAGCCTTATCTTAGGGCT------------AGTGTCATGGCC

MpDNV_mRNA_seq_consensus       ATGACACTAGCCCTA---------------------------------------------
TRINITY_DN2_c0_g1_i2           ------------------------------------------------------------
TRINITY_DN2_c0_g1_i3           ------------------------------------------------------------
TRINITY_DN2_c0_g1_i4           ------------------------------------------------------------
TRINITY_DN2_c0_g1_i1           ------------------------------------------------------------
TRINITY_DN39_c0_g1_i4          ------------------------------------------------------------
TRINITY_DN39_c0_g1_i3          ------------------------------------------------------------
TRINITY_DN39_c0_g1_i1          ------------------------------------------------------------
TRINITY_DN39_c0_g1_i2          ------------------------------------------------------------
TRINITY_DN2_c0_g2_i3           ATGACACGGACATTCTGTATTTGATCCTTCCTGTTTGTAAATTTTAATGCATTCGATTAG VP 5'-end
TRINITY_DN2_c0_g2_i2           ATGACACGGACATTCTGTATTTGATCCTTCCTGTTTGTAAATTTTAATGCATTCGATTAG VP 5'-end
TRINITY_DN2_c0_g2_i1           ATGACACGGACATTCTGTATTTGATCCTTCCTGTTTGTAAATTTTAATGCATTCGATTAG VP 5'-end
TRINITY_DN2_c0_g2_i5           ATGACACGGACATTCTGTATTTGATCCTTCCTGTTTGTAAATTTTAATGCATTCGATTAG
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APFV-8-9-10 (Artificial diet without virus)

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MpDNV_mRNA_seq_consensus       CTTGTTATCTATACTTATTGTCAACACTAGCCTTATCTTAGGGCGTGTCGGCCGACACGT
TRINITY_DN8906_c0_g1_i1 APFV-8 ------------------------------------------------------------
TRINITY_DN8906_c0_g1_i2 APFV-8 ------------------------------------------------------------
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TRINITY_DN7_c0_g3_i1    APFV-9-------------CTTGGAGACAACACTAGCCTTATCTTAGGGCGTGTCGGCCGACACGT NS 5′-end
TRINITY_DN10_c0_g1_i2  APFV-10-----------------------------------------CGTGTCGGCCGACAC-- NS 5′-end
TRINITY_DN10_c0_g1_i1  APFV-10-----------------------------------------CGTGTCGGCCGACAC-- NS 5′-end


MpDNV_mRNA_seq_consensus      GTCATGGCCATGACACTAGCCCTAAGATAAGGCTAGTGTTGACAATAAGTATAGATAAC-
TRINITY_DN8906_c0_g1_i1       ------------------------------------------------------------
TRINITY_DN8906_c0_g1_i2       ------------------------------------------------------------
TRINITY_DN7_c0_g3_i1          GTCATGGCCATGACACTAGCCCTAAGATAAGGCTAGTGTTGACAATAAGTATAGATAACA
TRINITY_DN10_c0_g1_i2         ------------------GCCCTAAGATAAGGCTAGTGTTGACAATAAGTATAGATAACA
TRINITY_DN10_c0_g1_i1         ------------------GCCCTAAGATAAGGCTAGTGTTGACAATAAGTATAGATAACA


MpDNV_mRNA_seq_consensus      AAGGATACCCCCCGCCCCCCGGAAGTAGGTAGTGGTTATTATTAGTAGGGGATCTTTTTA 5′ITR TATA-box
TRINITY_DN8906_c0_g1_i1       ------------------------------------------------------------
TRINITY_DN8906_c0_g1_i2       ------------------------------------------------------------
TRINITY_DN7_c0_g3_i1          AAGGATACCCCCCGCCCCCCGGAAGTAGGTAGTGGTTATTATTAGTAGGGGATCTTTTTA
TRINITY_DN10_c0_g1_i2         AAGGATACCCCCCGCCCCCCGGAAGTAGGTAGTGGTTATTATTAGTGGGGGATCTTTTTA
TRINITY_DN10_c0_g1_i1         AAGGATACCCCCCGCCCCCCGGAAGTAGGTAGTGGTTATTATTAGTGGGGGATCTTTTTA


MpDNV_mRNA_seq_consensus      TATAATAAAAAGATAGACAAGTATCCAGTAGGCGACTAGGTGGGGGTGACGTCATCACTA
TRINITY_DN8906_c0_g1_i1       ------------------------------------------------------------
TRINITY_DN8906_c0_g1_i2       ------------------------------------------------------------
TRINITY_DN7_c0_g3_i1          TATAATAAAAAGATAGACAAGTATCCAGTAGGCGACTAGGTGGGGGTGACGTCATCACTA
TRINITY_DN10_c0_g1_i2         TATAATAAAAAGATAGACAAGTATCCAGTAGGCGACTAGGTGGGGGTGACGTCATCACTA
TRINITY_DN10_c0_g1_i1         TATAATAAAAAGATAGACAAGTATCCAGTAGGCGACTAGGTGGGGGTGACGTCATCACTA


MpDNV_mRNA_seq_consensus      TTTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGT
TRINITY_DN8906_c0_g1_i1       ------------TTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGT NS 5′-end
TRINITY_DN8906_c0_g1_i2       ------------TTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGT NS 5′-end
TRINITY_DN7_c0_g3_i1          TTTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGT
TRINITY_DN10_c0_g1_i2         TTTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGT
TRINITY_DN10_c0_g1_i1         TTTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGT
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MpDNV_mRNA_seq_consensus      GATTGATTATTTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA
TRINITY_DN8906_c0_g1_i1       GATTGATTATTTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA
TRINITY_DN8906_c0_g1_i2       GATTGATTATTTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA
TRINITY_DN7_c0_g3_i1   APFV-9 GATTGATTATCTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA
TRINITY_DN10_c0_g1_i2         GATTGATTATTTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA
TRINITY_DN10_c0_g1_i1         GATTGATTATTTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA
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MpDNV_mRNA_seq_consensus      TATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAG
TRINITY_DN8906_c0_g1_i1APFV-8 TATAATGAAGTGTGGAACCTACAACAATGTCAGTACTCATCAAAATGTCAAACTCGCAAG
TRINITY_DN8906_c0_g1_i2APFV-8 TATAATGAAGTGTGGAACCTACAACAATGTCAGTACTCATCAAAATGTCAAACTCGCAAG
TRINITY_DN7_c0_g3_i1          TATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAG
TRINITY_DN10_c0_g1_i2         TATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAG
TRINITY_DN10_c0_g1_i1         TATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAG
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MpDNV_mRNA_seq_consensus      AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
TRINITY_DN8906_c0_g1_i1       AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
TRINITY_DN8906_c0_g1_i2       AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
TRINITY_DN7_c0_g3_i1          AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
TRINITY_DN10_c0_g1_i2         AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
TRINITY_DN10_c0_g1_i1         AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
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MpDNV_mRNA_seq_consensus      CAGCGGCGACGATTCAAACGGACCACCAACAGACTGGCGTGAATGGATCGACCCCGATGT
TRINITY_DN8906_c0_g1_i1       CAGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGT
TRINITY_DN8906_c0_g1_i2       CAGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGT
TRINITY_DN7_c0_g3_i1          CAGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGT
TRINITY_DN10_c0_g1_i2         CAGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGT
TRINITY_DN10_c0_g1_i1         CAGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGT
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MpDNV_mRNA_seq_consensus      TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
TRINITY_DN8906_c0_g1_i1       TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
TRINITY_DN8906_c0_g1_i2       TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
TRINITY_DN7_c0_g3_i1          TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
TRINITY_DN10_c0_g1_i2         TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
TRINITY_DN10_c0_g1_i1         TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
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MpDNV_mRNA_seq_consensus      TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
TRINITY_DN8906_c0_g1_i1       TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
TRINITY_DN8906_c0_g1_i2       TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
TRINITY_DN7_c0_g3_i1          TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
TRINITY_DN10_c0_g1_i2         TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
TRINITY_DN10_c0_g1_i1         TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
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MpDNV_mRNA_seq_consensus      GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
TRINITY_DN8906_c0_g1_i1       GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
TRINITY_DN8906_c0_g1_i2       GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
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TRINITY_DN7_c0_g3_i1          GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
TRINITY_DN10_c0_g1_i2         GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
TRINITY_DN10_c0_g1_i1         GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
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MpDNV_mRNA_seq_consensus      GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
TRINITY_DN8906_c0_g1_i1       GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
TRINITY_DN8906_c0_g1_i2       GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
TRINITY_DN7_c0_g3_i1          GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
TRINITY_DN10_c0_g1_i2         GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
TRINITY_DN10_c0_g1_i1         GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
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MpDNV_mRNA_seq_consensus      AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
TRINITY_DN8906_c0_g1_i1       AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
TRINITY_DN8906_c0_g1_i2       AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
TRINITY_DN7_c0_g3_i1          AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
TRINITY_DN10_c0_g1_i2         AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
TRINITY_DN10_c0_g1_i1         AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
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MpDNV_mRNA_seq_consensus      AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
TRINITY_DN8906_c0_g1_i1       AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
TRINITY_DN8906_c0_g1_i2       AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
TRINITY_DN7_c0_g3_i1          AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
TRINITY_DN10_c0_g1_i2         AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
TRINITY_DN10_c0_g1_i1         AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
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MpDNV_mRNA_seq_consensus      CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
TRINITY_DN8906_c0_g1_i1       CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
TRINITY_DN8906_c0_g1_i2       CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
TRINITY_DN7_c0_g3_i1          CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
TRINITY_DN10_c0_g1_i2         CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
TRINITY_DN10_c0_g1_i1         CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
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MpDNV_mRNA_seq_consensus      CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
TRINITY_DN8906_c0_g1_i1       CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
TRINITY_DN8906_c0_g1_i2       CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
TRINITY_DN7_c0_g3_i1          CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
TRINITY_DN10_c0_g1_i2         CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
TRINITY_DN10_c0_g1_i1         CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
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MpDNV_mRNA_seq_consensus      CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
TRINITY_DN8906_c0_g1_i1       CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
TRINITY_DN8906_c0_g1_i2       CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
TRINITY_DN7_c0_g3_i1          CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
TRINITY_DN10_c0_g1_i2         CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
TRINITY_DN10_c0_g1_i1         CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
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MpDNV_mRNA_seq_consensus      TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
TRINITY_DN8906_c0_g1_i1       TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
TRINITY_DN8906_c0_g1_i2       TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
TRINITY_DN7_c0_g3_i1          TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
TRINITY_DN10_c0_g1_i2         TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
TRINITY_DN10_c0_g1_i1         TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
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MpDNV_mRNA_seq_consensus      AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
TRINITY_DN8906_c0_g1_i1       AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
TRINITY_DN8906_c0_g1_i2       AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
TRINITY_DN7_c0_g3_i1          AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
TRINITY_DN10_c0_g1_i2         AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
TRINITY_DN10_c0_g1_i1         AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
                              ************************************************************

MpDNV_mRNA_seq_consensus      AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAG 5′ splice site
TRINITY_DN8906_c0_g1_i1       AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAG NS unspliced
TRINITY_DN8906_c0_g1_i2       AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCA----- spliced intron
TRINITY_DN7_c0_g3_i1          AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAG NS unspliced
TRINITY_DN10_c0_g1_i2         AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAG NS unspliced
TRINITY_DN10_c0_g1_i1         AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCA----- spliced intron
                              ************************************************************

MpDNV_mRNA_seq_consensus      TATTGCGTAATTTTTTTATATACTTGGATTGGTTGACGGGTATAGAAGCGAATAGATGCG
TRINITY_DN8906_c0_g1_i1       TATTGCGTAATTTTTTTATATACTTGGATTGGTTGACGGGTATAGAAGCGAATAGATGCG
TRINITY_DN8906_c0_g1_i2       ------------------------------------------------------------
TRINITY_DN7_c0_g3_i1          TATTGCGTAATTTTTTTATATACTTGGATTGGTTGACGGGTATAGAAGCGAATAGATGCG
TRINITY_DN10_c0_g1_i2         TATTGCGTAATTTTTTTATATACTTGGATTGGTTGACGGGTATAGAAGCGAATAGATGCG
TRINITY_DN10_c0_g1_i1         ------------------------------------------------------------

MpDNV_mRNA_seq_consensus      TTTCATATATTAAAACTGGTATGCCTGGCAGGAGTTACGTTAAAAGCGTGATGCCAAAAA
TRINITY_DN8906_c0_g1_i1       TTTCATATATTAAAACTGGTATGCCTGGCAGGAGTTACGTTAAAAGCGTGATGCCAAAAA
TRINITY_DN8906_c0_g1_i2       ------------------------------------------------------------
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TRINITY_DN7_c0_g3_i1          TTTCATATATTAAAACTGGTATGCCTGGCAGGAGTTACGTTAAAAGCGTGATGCCAAAAA
TRINITY_DN10_c0_g1_i2         TTTCATATATTAAAACTGGTATGCCTGGCAGGAGTTACGTTAAAAGCGTGATGCCAAAAA
TRINITY_DN10_c0_g1_i1         ------------------------------------------------------------


MpDNV_mRNA_seq_consensus      ATTATTGGCGTAATCCTAAAGAATTTCACTTAGCGCTTGATAAATTAGAGTTGCTCGTTA
TRINITY_DN8906_c0_g1_i1       ATTATTGGCGTAATCCTAAAGAATTTCACTTAGCGCTTGATAAATTAGAGTTGCTCGTTA
TRINITY_DN8906_c0_g1_i2       ------------------------------------------------------------
TRINITY_DN7_c0_g3_i1          ATTATTGGCGTAATCCTAAAGAATTTCACTTAGCGCTTGATAAATTAGAGTTGCTCGTTA
TRINITY_DN10_c0_g1_i2         ATTATTGGCGTAATCCTAAAGAATTTCACTTAGCGCTTGATAAATTAGAGTTGCTCGTTA
TRINITY_DN10_c0_g1_i1         ------------------------------------------------------------


MpDNV_mRNA_seq_consensus      AACGACATTTCGGTGATTTCACGTGTTTGGAAAATTTTTTACCGCAATATCGTTGGCATA
TRINITY_DN8906_c0_g1_i1       AACGACATTTCGGTGATTTCACGTGTTTGGAAAATTTTTTACCGCAATATCGTTGGCATA
TRINITY_DN8906_c0_g1_i2       ------------------------------------------------------------
TRINITY_DN7_c0_g3_i1          AACGACATTTCGGTGATTTCACGTGTTTGGAAAATTTTTTACCGCAATATCGTTGGCATA
TRINITY_DN10_c0_g1_i2         AACGACATTTCGGTGATTTCACGTGTTTGGAAAATTTTTTACCGCAATATCGTTGGCATA
TRINITY_DN10_c0_g1_i1         ------------------------------------------------------------


MpDNV_mRNA_seq_consensus      ATTGCATCACATGGTTTGTGAACGTGATGTCCTGTCCGTTGGACCCGTGGACTGTCGAAT
TRINITY_DN8906_c0_g1_i1       ATTGCATCACATGGTTTGTGAACGTGATGTCCTGTCCGTTGGACCCGTGGACTGTCGAAT
TRINITY_DN8906_c0_g1_i2       ------------------------------------------------------------
TRINITY_DN7_c0_g3_i1          ATTGCATCACATGGTTTGTGAACGTGATGTCCTGTCCGTTGGACCCGTGGACTGTCGAAT
TRINITY_DN10_c0_g1_i2         ATTGCATCACATGGTTTGTGAACGTGATGTCCTGTCCGTTGGACCCGTGGACTGTCGAAT
TRINITY_DN10_c0_g1_i1         ------------------------------------------------------------


MpDNV_mRNA_seq_consensus      GTGCTGGTTGTGGTTTTCAACATATTCCTAATATATCTAAATGCGAACTACTACGAGACT
TRINITY_DN8906_c0_g1_i1       GTGCTGGTTGTGGTTTTCAACATATTCCTAATATATCTAAATGCGAACTACTACGAGACT
TRINITY_DN8906_c0_g1_i2       ------------------------------------------------------------
TRINITY_DN7_c0_g3_i1          GTGCTGGTTGTGGTTTTCAACATATTCCTAATATATCTAAATGCGAACTACTACGAGACT
TRINITY_DN10_c0_g1_i2         GTGCTGGTTGTGGTTTTCAACATATTCCTAATATATCTAAATGCGAACTACTACGAGACT
TRINITY_DN10_c0_g1_i1         ------------------------------------------------------------


MpDNV_mRNA_seq_consensus      ATCCGTTCATGAACGAGGGCACTATAAATCATATACTAATCGAATGCATTAAAATTTACA
TRINITY_DN8906_c0_g1_i1       ATCCGTTCATGAACGAGGGCACTATAAATCATATACTAATCGAATGCATTAAAATTTACA
TRINITY_DN8906_c0_g1_i2       ------------------------------------------------------------
TRINITY_DN7_c0_g3_i1          ATCCGTTCATGAACGAGGGCACTATAAATCATATACTAATCGAATGCATTAAAATTTACA
TRINITY_DN10_c0_g1_i2         ATCCGTTCATGAACGAGGGCACTATAAATCATATACTAATCGAATGCATTAAAATTTACA
TRINITY_DN10_c0_g1_i1         ------------------------------------------------------------


MpDNV_mRNA_seq_consensus      AACAGGAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC 3′ splice site
TRINITY_DN8906_c0_g1_i1       AACAGGAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC NS unspliced
TRINITY_DN8906_c0_g1_i2       -----GAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC spliced intron
TRINITY_DN7_c0_g3_i1          AACAGGAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC NS unspliced
TRINITY_DN10_c0_g1_i2         AACAGGAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC NS unspliced
TRINITY_DN10_c0_g1_i1         -----GAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC spliced intron
                                   ***************************************************


MpDNV_mRNA_seq_consensus      AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
TRINITY_DN8906_c0_g1_i1       AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
TRINITY_DN8906_c0_g1_i2       AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
TRINITY_DN7_c0_g3_i1          AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
TRINITY_DN10_c0_g1_i2         AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
TRINITY_DN10_c0_g1_i1         AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
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MpDNV_mRNA_seq_consensus      CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
TRINITY_DN8906_c0_g1_i1       CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
TRINITY_DN8906_c0_g1_i2       CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
TRINITY_DN7_c0_g3_i1          CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
TRINITY_DN10_c0_g1_i2         CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
TRINITY_DN10_c0_g1_i1         CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
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MpDNV_mRNA_seq_consensus      TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
TRINITY_DN8906_c0_g1_i1       TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
TRINITY_DN8906_c0_g1_i2       TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
TRINITY_DN7_c0_g3_i1          TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
TRINITY_DN10_c0_g1_i2         TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
TRINITY_DN10_c0_g1_i1         TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
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MpDNV_mRNA_seq_consensus      AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
TRINITY_DN8906_c0_g1_i1       AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
TRINITY_DN8906_c0_g1_i2       AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
TRINITY_DN7_c0_g3_i1          AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
TRINITY_DN10_c0_g1_i2         AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
TRINITY_DN10_c0_g1_i1         AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
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MpDNV_mRNA_seq_consensus      TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
TRINITY_DN8906_c0_g1_i1       TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
TRINITY_DN8906_c0_g1_i2       TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
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TRINITY_DN7_c0_g3_i1          TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
TRINITY_DN10_c0_g1_i2         TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
TRINITY_DN10_c0_g1_i1         TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
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MpDNV_mRNA_seq_consensus      ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
TRINITY_DN8906_c0_g1_i1       ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
TRINITY_DN8906_c0_g1_i2       ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
TRINITY_DN7_c0_g3_i1          ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
TRINITY_DN10_c0_g1_i2         ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
TRINITY_DN10_c0_g1_i1         ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
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MpDNV_mRNA_seq_consensus      GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
TRINITY_DN8906_c0_g1_i1       GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
TRINITY_DN8906_c0_g1_i2       GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
TRINITY_DN7_c0_g3_i1          GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
TRINITY_DN10_c0_g1_i2         GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
TRINITY_DN10_c0_g1_i1         GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
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MpDNV_mRNA_seq_consensus      CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
TRINITY_DN8906_c0_g1_i1       CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
TRINITY_DN8906_c0_g1_i2       CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
TRINITY_DN7_c0_g3_i1          CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
TRINITY_DN10_c0_g1_i2         CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
TRINITY_DN10_c0_g1_i1         CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
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MpDNV_mRNA_seq_consensus      CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
TRINITY_DN8906_c0_g1_i1       CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
TRINITY_DN8906_c0_g1_i2       CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
TRINITY_DN7_c0_g3_i1          CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
TRINITY_DN10_c0_g1_i2         CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
TRINITY_DN10_c0_g1_i1         CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
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MpDNV_mRNA_seq_consensus      TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
TRINITY_DN8906_c0_g1_i1       TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
TRINITY_DN8906_c0_g1_i2       TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
TRINITY_DN7_c0_g3_i1          TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
TRINITY_DN10_c0_g1_i2         TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
TRINITY_DN10_c0_g1_i1         TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
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MpDNV_mRNA_seq_consensus      ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
TRINITY_DN8906_c0_g1_i1       ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
TRINITY_DN8906_c0_g1_i2       ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
TRINITY_DN7_c0_g3_i1          ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
TRINITY_DN10_c0_g1_i2         ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
TRINITY_DN10_c0_g1_i1         ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
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MpDNV_mRNA_seq_consensus      CATCGTATTTGCTTTCATATGGTATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
TRINITY_DN8906_c0_g1_i1       CATCGTATTTGCTTTCATATGGCATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
TRINITY_DN8906_c0_g1_i2       CATCGTATTTGCTTTCATATGGCATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
TRINITY_DN7_c0_g3_i1          CATCGTATTTGCTTTCATATGGCATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
TRINITY_DN10_c0_g1_i2         CATCGTATTTGCTTTCATATGGCATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
TRINITY_DN10_c0_g1_i1         CATCGTATTTGCTTTCATATGGCATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
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MpDNV_mRNA_seq_consensus      GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
TRINITY_DN8906_c0_g1_i1       GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
TRINITY_DN8906_c0_g1_i2       GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
TRINITY_DN7_c0_g3_i1          GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
TRINITY_DN10_c0_g1_i2         GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
TRINITY_DN10_c0_g1_i1         GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
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MpDNV_mRNA_seq_consensus      ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
TRINITY_DN8906_c0_g1_i1       ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
TRINITY_DN8906_c0_g1_i2       ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
TRINITY_DN7_c0_g3_i1          ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
TRINITY_DN10_c0_g1_i2         ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
TRINITY_DN10_c0_g1_i1         ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
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MpDNV_mRNA_seq_consensus      CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
TRINITY_DN8906_c0_g1_i1       CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
TRINITY_DN8906_c0_g1_i2       CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
TRINITY_DN7_c0_g3_i1          CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
TRINITY_DN10_c0_g1_i2         CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
TRINITY_DN10_c0_g1_i1         CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
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MpDNV_mRNA_seq_consensus      TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
TRINITY_DN8906_c0_g1_i1       TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
TRINITY_DN8906_c0_g1_i2       TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
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TRINITY_DN7_c0_g3_i1          TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
TRINITY_DN10_c0_g1_i2         TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
TRINITY_DN10_c0_g1_i1         TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
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MpDNV_mRNA_seq_consensus      TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
TRINITY_DN8906_c0_g1_i1       TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
TRINITY_DN8906_c0_g1_i2       TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
TRINITY_DN7_c0_g3_i1          TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
TRINITY_DN10_c0_g1_i2         TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
TRINITY_DN10_c0_g1_i1         TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
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MpDNV_mRNA_seq_consensus      ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATATTGATTTTT NS polyA signal
TRINITY_DN8906_c0_g1_i1 APFV8 ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATATAAAAAAAAA NS poly(A) tail
TRINITY_DN8906_c0_g1_i2 APFV8 ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATATAAAAAAAAA NS poly(A) tail
TRINITY_DN7_c0_g3_i1    APFV9 ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATAAAAAAAAAA--- NS poly(A) tail
TRINITY_DN10_c0_g1_i2  APFV10 ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATAT--TGATTTTT
TRINITY_DN10_c0_g1_i1  APFV10 ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATAT--TGATTTTT
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MpDNV_mRNA_seq_consensus      ATTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACA
TRINITY_DN8906_c0_g1_i1       AA-------------------------------------------------------------
TRINITY_DN8906_c0_g1_i2       AA-------------------------------------------------------------
TRINITY_DN7_c0_g3_i1          -------------------------------------------------------------
TRINITY_DN10_c0_g1_i2         ATTTACGTAAAAAAAAA----------------------------------------- NS poly(A) tail
TRINITY_DN10_c0_g1_i1         ATTTACGTAAAAAAAAA----------------------------------------- NS poly(A) tail

MpDNV_mRNA_seq_consensus      TGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATATTGATTTTTA VP polyA signal
TRINITY_DN34_c0_g2_i3  APFV10 ----------------TTTTTTTTTTTTGATTAATATATATATATATATTGATTTTTA VP poly(A) tail
TRINITY_DN34_c0_g2_i2  APFV10 ----------------TTTTTTTTTTTTGATTAATATATATATATATATTGATTTTTA VP poly(A) tail
TRINITY_DN34_c0_g2_i1  APFV10 ----------------TTTTTTTTTTTTGATTAATATATATATATATATTGATTTTTA VP poly(A) tail
TRINITY_DN34_c0_g2_i4  APFV10 ----------------TTTTTTTTTTTTGATTAATATATATATATATATTGATTTTTA VP poly(A) tail
TRINITY_DN29_c0_g1_i2  APFV8  ---------------TTTTTTTTTTTTGATTAATATATATATATATATTGATTTTTA VP poly(A) tail
TRINITY_DN29_c0_g1_i3  APFV8  ---------------TTTTTTTTTTTTGATTAATATATATATATATATTGATTTTTA VP poly(A) tail
TRINITY_DN29_c0_g1_i4  APFV8  ---------------TTTTTTTTTTTTGATTAATATATATATATATATTGATTTTTA VP poly(A) tail
TRINITY_DN29_c0_g1_i1  APFV8  ---------------TTTTTTTTTTTTGATTAATATATATATATATATTGATTTTTA VP poly(A) tail
TRINITY_DN7_c0_g2_i1   APFV9  ----------------TTTTTTTTTTTGATTAATATATATATATATATTGATTTTTA VP poly(A) tail
TRINITY_DN7_c0_g2_i4   APFV9  ----------------TTTTTTTTTTTGATTAATATATATATATATATTGATTTTTA VP poly(A) tail
TRINITY_DN7_c0_g2_i3   APFV9  ----------------TTTTTTTTTTTGATTAATATATATATATATATTGATTTTTA VP poly(A) tail
TRINITY_DN7_c0_g2_i2   APFV9  ----------------TTTTTTTTTTTGATTAATATATATATATATATTGATTTTTA VP poly(A) tail
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MpDNV_mRNA_seq_consensus      TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN34_c0_g2_i3         TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN34_c0_g2_i2         TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN34_c0_g2_i1         TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN34_c0_g2_i4         TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN29_c0_g1_i2         TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN29_c0_g1_i3         TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN29_c0_g1_i4         TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN29_c0_g1_i1         TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN7_c0_g2_i1          TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN7_c0_g2_i4          TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN7_c0_g2_i3          TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN7_c0_g2_i2          TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
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MpDNV_mRNA_seq_consensus      TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN34_c0_g2_i3         TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN34_c0_g2_i2         TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN34_c0_g2_i1         TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN34_c0_g2_i4         TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN29_c0_g1_i2         TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN29_c0_g1_i3         TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN29_c0_g1_i4         TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN29_c0_g1_i1         TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN7_c0_g2_i1          TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN7_c0_g2_i4          TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN7_c0_g2_i3          TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN7_c0_g2_i2          TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
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MpDNV_mRNA_seq_consensus      CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN34_c0_g2_i3         CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN34_c0_g2_i2         CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN34_c0_g2_i1         CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN34_c0_g2_i4         CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN29_c0_g1_i2         CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN29_c0_g1_i3         CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN29_c0_g1_i4         CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN29_c0_g1_i1         CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN7_c0_g2_i1          CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN7_c0_g2_i4          CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN7_c0_g2_i3          CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN7_c0_g2_i2          CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
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MpDNV_mRNA_seq_consensus      TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN34_c0_g2_i3         TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN34_c0_g2_i2         TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN34_c0_g2_i1         TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN34_c0_g2_i4         TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN29_c0_g1_i2         TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN29_c0_g1_i3         TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN29_c0_g1_i4         TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN29_c0_g1_i1         TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN7_c0_g2_i1          TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN7_c0_g2_i4          TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN7_c0_g2_i3          TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN7_c0_g2_i2          TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
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MpDNV_mRNA_seq_consensus      TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA 3′ splice site
TRINITY_DN34_c0_g2_i3         TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA VP unspliced
TRINITY_DN34_c0_g2_i2         TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA VP unspliced
TRINITY_DN34_c0_g2_i1         T------------------------------------------------------------ spliced intron 2
TRINITY_DN34_c0_g2_i4         T------------------------------------------------------------ spliced intron 2
TRINITY_DN29_c0_g1_i2         TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA VP unspliced
TRINITY_DN29_c0_g1_i3         TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA VP unspliced
TRINITY_DN29_c0_g1_i4         T------------------------------------------------------------ spliced intron 2
TRINITY_DN29_c0_g1_i1         T------------------------------------------------------------ spliced intron 2
TRINITY_DN7_c0_g2_i1          TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA VP unspliced
TRINITY_DN7_c0_g2_i4          TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA VP unspliced
TRINITY_DN7_c0_g2_i3          T------------------------------------------------------------ spliced intron 2
TRINITY_DN7_c0_g2_i2          T------------------------------------------------------------ spliced intron 2
                              *

MpDNV_mRNA_seq_consensus      CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCGAACAGACGTAGGTACAGGTGT 5′ splice site
TRINITY_DN34_c0_g2_i3         CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT VP unspliced
TRINITY_DN34_c0_g2_i2         CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT VP unspliced
TRINITY_DN34_c0_g2_i1         ------------------------------------CCGAACAGACGTAGGTACAGGTGT spliced intron 2
TRINITY_DN34_c0_g2_i4         ------------------------------------CCGAACAGACGTAGGTACAGGTGT spliced intron 2
TRINITY_DN29_c0_g1_i2         CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT VP unspliced
TRINITY_DN29_c0_g1_i3         CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT VP unspliced
TRINITY_DN29_c0_g1_i4         ------------------------------------CCGAACAGACGTAGGTACAGGTGT spliced intron 2
TRINITY_DN29_c0_g1_i1         ------------------------------------CCGAACAGACGTAGGTACAGGTGT spliced intron 2
TRINITY_DN7_c0_g2_i1          CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT VP unspliced
TRINITY_DN7_c0_g2_i4          CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT VP unspliced
TRINITY_DN7_c0_g2_i3          ------------------------------------CCGAACAGACGTAGGTACAGGTGT spliced intron 2
TRINITY_DN7_c0_g2_i2          ------------------------------------CCGAACAGACGTAGGTACAGGTGT spliced intron 2
                                                                   ************************

MpDNV_mRNA_seq_consensus      AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN34_c0_g2_i3         AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN34_c0_g2_i2         AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN34_c0_g2_i1         AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN34_c0_g2_i4         AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN29_c0_g1_i2         AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN29_c0_g1_i3         AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
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TRINITY_DN7_c0_g2_i1          AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN7_c0_g2_i4          AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN7_c0_g2_i3          AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
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MpDNV_mRNA_seq_consensus      GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN34_c0_g2_i3         GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN34_c0_g2_i2         GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN34_c0_g2_i1         GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN34_c0_g2_i4         GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN29_c0_g1_i2         GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
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TRINITY_DN29_c0_g1_i4         GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN29_c0_g1_i1         GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
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TRINITY_DN7_c0_g2_i4          GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
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MpDNV_mRNA_seq_consensus      TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
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TRINITY_DN34_c0_g2_i2         TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN34_c0_g2_i1         TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN34_c0_g2_i4         TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN29_c0_g1_i2         TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN29_c0_g1_i3         TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN29_c0_g1_i4         TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN29_c0_g1_i1         TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN7_c0_g2_i1          TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN7_c0_g2_i4          TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
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TRINITY_DN34_c0_g2_i2         ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN34_c0_g2_i1         ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN34_c0_g2_i4         ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN29_c0_g1_i2         ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN29_c0_g1_i3         ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
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TRINITY_DN7_c0_g2_i1          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN7_c0_g2_i4          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN7_c0_g2_i3          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN7_c0_g2_i2          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
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MpDNV_mRNA_seq_consensus      CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN34_c0_g2_i3         CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN34_c0_g2_i2         CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN34_c0_g2_i1         CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN34_c0_g2_i4         CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN29_c0_g1_i2         CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
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TRINITY_DN29_c0_g1_i4         CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
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TRINITY_DN7_c0_g2_i1          CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
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TRINITY_DN7_c0_g2_i3          CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN7_c0_g2_i2          CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
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MpDNV_mRNA_seq_consensus      GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
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TRINITY_DN34_c0_g2_i2         GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN34_c0_g2_i1         GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN34_c0_g2_i4         GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN29_c0_g1_i2         GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
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TRINITY_DN29_c0_g1_i1         GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN7_c0_g2_i1          GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN7_c0_g2_i4          GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN7_c0_g2_i3          GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN7_c0_g2_i2          GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
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MpDNV_mRNA_seq_consensus      CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
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TRINITY_DN34_c0_g2_i1         CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
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TRINITY_DN29_c0_g1_i2         CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
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TRINITY_DN29_c0_g1_i1         CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN7_c0_g2_i1          CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN7_c0_g2_i4          CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
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TRINITY_DN7_c0_g2_i2          CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
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MpDNV_mRNA_seq_consensus      GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
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TRINITY_DN34_c0_g2_i1         GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN34_c0_g2_i4         GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN29_c0_g1_i2         GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN29_c0_g1_i3         GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN29_c0_g1_i4         GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN29_c0_g1_i1         GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN7_c0_g2_i1          GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN7_c0_g2_i4          GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN7_c0_g2_i3          GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN7_c0_g2_i2          GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
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MpDNV_mRNA_seq_consensus      GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
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TRINITY_DN34_c0_g2_i2         GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN34_c0_g2_i1         GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN34_c0_g2_i4         GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN29_c0_g1_i2         GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN29_c0_g1_i3         GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN29_c0_g1_i4         GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN29_c0_g1_i1         GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN7_c0_g2_i1          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
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TRINITY_DN7_c0_g2_i4          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN7_c0_g2_i3          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN7_c0_g2_i2          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
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MpDNV_mRNA_seq_consensus      GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN34_c0_g2_i3         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN34_c0_g2_i2         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN34_c0_g2_i1         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN34_c0_g2_i4         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN29_c0_g1_i2         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN29_c0_g1_i3         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN29_c0_g1_i4         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN29_c0_g1_i1         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN7_c0_g2_i1          GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN7_c0_g2_i4          GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN7_c0_g2_i3          GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN7_c0_g2_i2          GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
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MpDNV_mRNA_seq_consensus      AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
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TRINITY_DN34_c0_g2_i1         AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN34_c0_g2_i4         AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN29_c0_g1_i2         AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
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TRINITY_DN29_c0_g1_i4         AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN29_c0_g1_i1         AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN7_c0_g2_i1          AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN7_c0_g2_i4          AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN7_c0_g2_i3          AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
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TRINITY_DN29_c0_g1_i3         TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
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TRINITY_DN29_c0_g1_i1         TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN7_c0_g2_i1          TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
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TRINITY_DN7_c0_g2_i2          TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
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MpDNV_mRNA_seq_consensus      AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN34_c0_g2_i3         AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN34_c0_g2_i2         AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
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TRINITY_DN34_c0_g2_i4         AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN29_c0_g1_i2         AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
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TRINITY_DN29_c0_g1_i4         AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN29_c0_g1_i1         AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
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TRINITY_DN7_c0_g2_i2          AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
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MpDNV_mRNA_seq_consensus      AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
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TRINITY_DN7_c0_g2_i4          AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN7_c0_g2_i3          AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN7_c0_g2_i2          AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
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MpDNV_mRNA_seq_consensus      CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN34_c0_g2_i3         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN34_c0_g2_i2         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN34_c0_g2_i1         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN34_c0_g2_i4         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN29_c0_g1_i2         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAACGTACCATCTAGATCTTG
TRINITY_DN29_c0_g1_i3         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAACGTACCATCTAGATCTTG
TRINITY_DN29_c0_g1_i4         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAACGTACCATCTAGATCTTG
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TRINITY_DN29_c0_g1_i1          CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAACGTACCATCTAGATCTTG
TRINITY_DN7_c0_g2_i1           CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN7_c0_g2_i4           CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN7_c0_g2_i3           CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN7_c0_g2_i2           CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
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MpDNV_mRNA_seq_consensus       ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN34_c0_g2_i3          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN34_c0_g2_i2          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN34_c0_g2_i1          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN34_c0_g2_i4          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN29_c0_g1_i2          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN29_c0_g1_i3          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN29_c0_g1_i4          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN29_c0_g1_i1          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN7_c0_g2_i1           ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN7_c0_g2_i4           ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN7_c0_g2_i3           ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN7_c0_g2_i2           ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
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MpDNV_mRNA_seq_consensus       ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN34_c0_g2_i3          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN34_c0_g2_i2          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN34_c0_g2_i1          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN34_c0_g2_i4          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN29_c0_g1_i2          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN29_c0_g1_i3          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN29_c0_g1_i4          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN29_c0_g1_i1          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN7_c0_g2_i1           ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN7_c0_g2_i4           ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN7_c0_g2_i3           ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN7_c0_g2_i2           ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
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MpDNV_mRNA_seq_consensus       ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN34_c0_g2_i3          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN34_c0_g2_i2          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN34_c0_g2_i1          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN34_c0_g2_i4          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN29_c0_g1_i2          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN29_c0_g1_i3          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN29_c0_g1_i4          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN29_c0_g1_i1          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN7_c0_g2_i1           ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN7_c0_g2_i4           ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN7_c0_g2_i3           ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN7_c0_g2_i2           ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
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MpDNV_mRNA_seq_consensus       AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN34_c0_g2_i3          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN34_c0_g2_i2          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN34_c0_g2_i1          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN34_c0_g2_i4          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN29_c0_g1_i2          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN29_c0_g1_i3          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN29_c0_g1_i4          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN29_c0_g1_i1          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN7_c0_g2_i1           AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN7_c0_g2_i4           AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN7_c0_g2_i3           AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN7_c0_g2_i2           AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
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MpDNV_mRNA_seq_consensus       AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN34_c0_g2_i3          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN34_c0_g2_i2          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN34_c0_g2_i1          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN34_c0_g2_i4          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN29_c0_g1_i2          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN29_c0_g1_i3          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN29_c0_g1_i4          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN29_c0_g1_i1          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN7_c0_g2_i1           AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN7_c0_g2_i4           AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN7_c0_g2_i3           AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN7_c0_g2_i2           AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
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MpDNV_mRNA_seq_consensus       TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN34_c0_g2_i3          TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN34_c0_g2_i2          TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN34_c0_g2_i1          TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN34_c0_g2_i4          TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN29_c0_g1_i2          TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
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TRINITY_DN29_c0_g1_i3          TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN29_c0_g1_i4          TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN29_c0_g1_i1          TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN7_c0_g2_i1           TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN7_c0_g2_i4           TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN7_c0_g2_i3           TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN7_c0_g2_i2           TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
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MpDNV_mRNA_seq_consensus       ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN34_c0_g2_i3          ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN34_c0_g2_i2          ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN34_c0_g2_i1          ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN34_c0_g2_i4          ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN29_c0_g1_i2          ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN29_c0_g1_i3          ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN29_c0_g1_i4          ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN29_c0_g1_i1          ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN7_c0_g2_i1           ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN7_c0_g2_i4           ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN7_c0_g2_i3           ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN7_c0_g2_i2           ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
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MpDNV_mRNA_seq_consensus       CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN34_c0_g2_i3          CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN34_c0_g2_i2          CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN34_c0_g2_i1          CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN34_c0_g2_i4          CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN29_c0_g1_i2          CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN29_c0_g1_i3          CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN29_c0_g1_i4          CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN29_c0_g1_i1          CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN7_c0_g2_i1           CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN7_c0_g2_i4           CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN7_c0_g2_i3           CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN7_c0_g2_i2           CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
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MpDNV_mRNA_seq_consensus       ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN34_c0_g2_i3          ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN34_c0_g2_i2          ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN34_c0_g2_i1          ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN34_c0_g2_i4          ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN29_c0_g1_i2          ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN29_c0_g1_i3          ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN29_c0_g1_i4          ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN29_c0_g1_i1          ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN7_c0_g2_i1           ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN7_c0_g2_i4           ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN7_c0_g2_i3           ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN7_c0_g2_i2           ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
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MpDNV_mRNA_seq_consensus       CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN34_c0_g2_i3          CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN34_c0_g2_i2          CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN34_c0_g2_i1          CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN34_c0_g2_i4          CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN29_c0_g1_i2          CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN29_c0_g1_i3          CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN29_c0_g1_i4          CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN29_c0_g1_i1          CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN7_c0_g2_i1           CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN7_c0_g2_i4           CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN7_c0_g2_i3           CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN7_c0_g2_i2           CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
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MpDNV_mRNA_seq_consensus       GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN34_c0_g2_i3          GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN34_c0_g2_i2          GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN34_c0_g2_i1          GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN34_c0_g2_i4          GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN29_c0_g1_i2          GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN29_c0_g1_i3          GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN29_c0_g1_i4          GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN29_c0_g1_i1          GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN7_c0_g2_i1           GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN7_c0_g2_i4           GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN7_c0_g2_i3           GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN7_c0_g2_i2           GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
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MpDNV_mRNA_seq_consensus       CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN34_c0_g2_i3          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN34_c0_g2_i2          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN34_c0_g2_i1          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
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TRINITY_DN34_c0_g2_i4          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN29_c0_g1_i2          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN29_c0_g1_i3          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN29_c0_g1_i4          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN29_c0_g1_i1          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN7_c0_g2_i1           CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN7_c0_g2_i4           CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN7_c0_g2_i3           CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN7_c0_g2_i2           CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
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MpDNV_mRNA_seq_consensus       ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG 3' splice site
TRINITY_DN34_c0_g2_i3          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- spliced intron 1
TRINITY_DN34_c0_g2_i2          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG VP unspliced
TRINITY_DN34_c0_g2_i1          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- spliced intron 1
TRINITY_DN34_c0_g2_i4          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG VP unspliced
TRINITY_DN29_c0_g1_i2          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG VP unspliced
TRINITY_DN29_c0_g1_i3          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- spliced intron 1
TRINITY_DN29_c0_g1_i4          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG VP unspliced
TRINITY_DN29_c0_g1_i1          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- spliced intron 1
TRINITY_DN7_c0_g2_i1           ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- spliced intron 1
TRINITY_DN7_c0_g2_i4           ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG VP unspliced
TRINITY_DN7_c0_g2_i3           ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- spliced intron 1
TRINITY_DN7_c0_g2_i2           ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG VP unspliced
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MpDNV_mRNA_seq_consensus       TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN34_c0_g2_i3          -----------------------------------------------------------
TRINITY_DN34_c0_g2_i2          TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN34_c0_g2_i1          -----------------------------------------------------------
TRINITY_DN34_c0_g2_i4          TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN29_c0_g1_i2          TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN29_c0_g1_i3          -----------------------------------------------------------
TRINITY_DN29_c0_g1_i4          TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN29_c0_g1_i1          -----------------------------------------------------------
TRINITY_DN7_c0_g2_i1           -----------------------------------------------------------
TRINITY_DN7_c0_g2_i4           TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN7_c0_g2_i3           -----------------------------------------------------------
TRINITY_DN7_c0_g2_i2           TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA


MpDNV_mRNA_seq_consensus       ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN34_c0_g2_i3          -----------------------------------------------------------
TRINITY_DN34_c0_g2_i2          ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN34_c0_g2_i1          -----------------------------------------------------------
TRINITY_DN34_c0_g2_i4          ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN29_c0_g1_i2          ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN29_c0_g1_i3          -----------------------------------------------------------
TRINITY_DN29_c0_g1_i4          ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN29_c0_g1_i1          -----------------------------------------------------------
TRINITY_DN7_c0_g2_i1           -----------------------------------------------------------
TRINITY_DN7_c0_g2_i4           ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN7_c0_g2_i3           -----------------------------------------------------------
TRINITY_DN7_c0_g2_i2           ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG


MpDNV_mRNA_seq_consensus       CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC 5' splice site
TRINITY_DN34_c0_g2_i3  APFV10  ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC spliced intron 1
TRINITY_DN34_c0_g2_i2  APFV10  CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC VP unspliced
TRINITY_DN34_c0_g2_i1  APFV10  ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC spliced intron 1
TRINITY_DN34_c0_g2_i4  APFV10  CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC VP unspliced
TRINITY_DN29_c0_g1_i2  APFV8   CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTCCCGC VP unspliced
TRINITY_DN29_c0_g1_i3  APFV8   ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTCCCGC spliced intron 1
TRINITY_DN29_c0_g1_i4  APFV8   CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTCCCGC VP unspliced
TRINITY_DN29_c0_g1_i1  APFV8   ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTCCCGC spliced intron 1
TRINITY_DN7_c0_g2_i1   APFV9   ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTCCCGC spliced intron 1
TRINITY_DN7_c0_g2_i4   APFV9   CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTCCCGC VP unspliced
TRINITY_DN7_c0_g2_i3   APFV9   ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTCCCGC spliced intron 1
TRINITY_DN7_c0_g2_i2   APFV9   CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTCCCGC VP unspliced
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MpDNV_mRNA_seq_consensus       TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN34_c0_g2_i3          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN34_c0_g2_i2          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN34_c0_g2_i1          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN34_c0_g2_i4          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN29_c0_g1_i2          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN29_c0_g1_i3          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN29_c0_g1_i4          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN29_c0_g1_i1          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN7_c0_g2_i1           TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN7_c0_g2_i4           TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN7_c0_g2_i3           TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN7_c0_g2_i2           TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
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MpDNV_mRNA_seq_consensus       AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN34_c0_g2_i3          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
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TRINITY_DN34_c0_g2_i2          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN34_c0_g2_i1          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN34_c0_g2_i4          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN29_c0_g1_i2          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN29_c0_g1_i3          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN29_c0_g1_i4          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN29_c0_g1_i1          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN7_c0_g2_i1           AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN7_c0_g2_i4           AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN7_c0_g2_i3           AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN7_c0_g2_i2           AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
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MpDNV_mRNA_seq_consensus       CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN34_c0_g2_i3          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN34_c0_g2_i2          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN34_c0_g2_i1          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN34_c0_g2_i4          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN29_c0_g1_i2          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN29_c0_g1_i3          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN29_c0_g1_i4          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN29_c0_g1_i1          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN7_c0_g2_i1           CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN7_c0_g2_i4           CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN7_c0_g2_i3           CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN7_c0_g2_i2           CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
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MpDNV_mRNA_seq_consensus       TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCAC
TRINITY_DN34_c0_g2_i3          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN34_c0_g2_i2          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN34_c0_g2_i1          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN34_c0_g2_i4          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN29_c0_g1_i2          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCAC
TRINITY_DN29_c0_g1_i3          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCAC
TRINITY_DN29_c0_g1_i4          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCAC
TRINITY_DN29_c0_g1_i1          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCAC
TRINITY_DN7_c0_g2_i1           TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN7_c0_g2_i4           TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN7_c0_g2_i3           TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN7_c0_g2_i2           TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
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MpDNV_mRNA_seq_consensus       TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN34_c0_g2_i3          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN34_c0_g2_i2          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN34_c0_g2_i1          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN34_c0_g2_i4          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN29_c0_g1_i2          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN29_c0_g1_i3          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN29_c0_g1_i4          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN29_c0_g1_i1          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN7_c0_g2_i1           TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN7_c0_g2_i4           TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN7_c0_g2_i3           TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN7_c0_g2_i2           TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
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MpDNV_mRNA_seq_consensus       CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN34_c0_g2_i3          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN34_c0_g2_i2          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN34_c0_g2_i1          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN34_c0_g2_i4          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN29_c0_g1_i2          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN29_c0_g1_i3          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN29_c0_g1_i4          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN29_c0_g1_i1          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN7_c0_g2_i1           CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN7_c0_g2_i4           CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN7_c0_g2_i3           CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN7_c0_g2_i2           CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
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MpDNV_mRNA_seq_consensus       TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN34_c0_g2_i3          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN34_c0_g2_i2          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN34_c0_g2_i1          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN34_c0_g2_i4          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN29_c0_g1_i2          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN29_c0_g1_i3          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN29_c0_g1_i4          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN29_c0_g1_i1          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN7_c0_g2_i1           TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN7_c0_g2_i4           TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN7_c0_g2_i3           TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN7_c0_g2_i2           TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
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MpDNV_mRNA_seq_consensus       ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN34_c0_g2_i3  APFV10 ACATGTTAAACGTAACTGATTAAATATAAGTCAAATGTAAACACCCGAGTAAAGAGTG-- VP 5'-end
TRINITY_DN34_c0_g2_i2          ACATGTTAAACGTAACTGATTAAATATAAGTCAAATGTAAACACCCGAGTAAAGAGTG-- VP 5'-end
TRINITY_DN34_c0_g2_i1          ACATGTTAAACGTAACTGATTAAATATAAGTCAAATGTAAACACCCGAGTAAAGAGTG-- VP 5'-end
TRINITY_DN34_c0_g2_i4          ACATGTTAAACGTAACTGATTAAATATAAGTCAAATGTAAACACCCGAGTAAAGAGTG-- VP 5'-end
TRINITY_DN29_c0_g1_i2  APFV8   ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN29_c0_g1_i3          ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN29_c0_g1_i4          ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN29_c0_g1_i1          ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN7_c0_g2_i1   APFV9   ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN7_c0_g2_i4           ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN7_c0_g2_i3           ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN7_c0_g2_i2           ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
                               ******************************** ************  ******* ****

MpDNV_mRNA_seq_consensus       GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATTAAAAAG 3'ITR TATA-box
TRINITY_DN34_c0_g2_i3          ---------------------------------------------------------------
TRINITY_DN34_c0_g2_i2          ---------------------------------------------------------------
TRINITY_DN34_c0_g2_i1          ---------------------------------------------------------------
TRINITY_DN34_c0_g2_i4          ---------------------------------------------------------------
TRINITY_DN29_c0_g1_i2          GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN29_c0_g1_i3          GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN29_c0_g1_i4          GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN29_c0_g1_i1          GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN7_c0_g2_i1           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN7_c0_g2_i4           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN7_c0_g2_i3           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN7_c0_g2_i2           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG

MpDNV_mRNA_seq_consensus       ATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN34_c0_g2_i3          ---------------------------------------------------------------
TRINITY_DN34_c0_g2_i2          ---------------------------------------------------------------
TRINITY_DN34_c0_g2_i1          ---------------------------------------------------------------
TRINITY_DN34_c0_g2_i4          ---------------------------------------------------------------
TRINITY_DN29_c0_g1_i2          ATCCCCCACTAATAATAACC-------------------------------------------
TRINITY_DN29_c0_g1_i3          ATCCCCCACTAATAATAACC-------------------------------------------
TRINITY_DN29_c0_g1_i4          ATCCCCCACTAATAATAACC-------------------------------------------
TRINITY_DN29_c0_g1_i1          ATCCCCCACTAATAATAACC-------------------------------------------
TRINITY_DN7_c0_g2_i1           ATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN7_c0_g2_i4           ATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN7_c0_g2_i3           ATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN7_c0_g2_i2           ATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC

MpDNV_mRNA_seq_consensus       TATACTTATTGTCAACACTAGCCTTATCTTAGGGCGTGTCGGCCGACACGTGTCATGGCC
TRINITY_DN34_c0_g2_i3          ---------------------------------------------------------------
TRINITY_DN34_c0_g2_i2          ---------------------------------------------------------------
TRINITY_DN34_c0_g2_i1          ---------------------------------------------------------------
TRINITY_DN34_c0_g2_i4          ---------------------------------------------------------------
TRINITY_DN29_c0_g1_i2          -------------------------------AGGGCT------------AGTGTCATGGCC
TRINITY_DN29_c0_g1_i3          -------------------------------AGGGCT------------AGTGTCATGGCC
TRINITY_DN29_c0_g1_i4          -------------------------------AGGGCT------------AGTGTCATGGCC
TRINITY_DN29_c0_g1_i1          -------------------------------AGGGCT------------AGTGTCATGGCC
TRINITY_DN7_c0_g2_i1           TATACTTATTGTCAACACTAGCCTTATCTTAGGGCT------------AGTGTCATGGCC
TRINITY_DN7_c0_g2_i4           TATACTTATTGTCAACACTAGCCTTATCTTAGGGCT------------AGTGTCATGGCC
TRINITY_DN7_c0_g2_i3           TATACTTATTGTCAACACTAGCCTTATCTTAGGGCT------------AGTGTCATGGCC
TRINITY_DN7_c0_g2_i2           TATACTTATTGTCAACACTAGCCTTATCTTAGGGCT------------AGTGTCATGGCC

MpDNV_mRNA_seq_consensus       ATGACACT------------AGCCCTAAGATAAGGCTAGTGTTGACAATAAGTATAGATA
TRINITY_DN34_c0_g2_i3          ---------------------------------------------------------------
TRINITY_DN34_c0_g2_i2          ---------------------------------------------------------------
TRINITY_DN34_c0_g2_i1          ---------------------------------------------------------------
TRINITY_DN34_c0_g2_i4          ---------------------------------------------------------------
TRINITY_DN29_c0_g1_i2          ATGACACGTGTCGGCCGACACGCCCTAAGATAAGGCTAGTGTCGAC--------------- VP 5'-end
TRINITY_DN29_c0_g1_i3          ATGACACGTGTCGGCCGACACGCCCTAAGATAAGGCTAGTGTCGAC--------------- VP 5'-end
TRINITY_DN29_c0_g1_i4          ATGACACGTGTCGGCCGACACGCCCTAAGATAAGGCTAGTGTCGAC--------------- VP 5'-end
TRINITY_DN29_c0_g1_i1          ATGACACGTGTCGGCCGACACGCCCTAAGATAAGGCTAGTGTCGAC--------------- VP 5'-end
TRINITY_DN7_c0_g2_i1           ATGACACGTGTCGGCCGACACGCCCTAAGATAAGGCTAGTGTTGTCTCCAAG-------- VP 5'-end
TRINITY_DN7_c0_g2_i4           ATGACACGTGTCGGCCGACACGCCCTAAGATAAGGCTAGTGTTGTCTCCAAG-------- VP 5'-end
TRINITY_DN7_c0_g2_i3           ATGACACGTGTCGGCCGACACGCCCTAAGATAAGGCTAGTGTTGTCTCCAAG-------- VP 5'-end
TRINITY_DN7_c0_g2_i2           ATGACACGTGTCGGCCGACACGCCCTAAGATAAGGCTAGTGTTGTCTCCAAG-------- VP 5'-end
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APFV-11-12-13 (Artificial Diet + TuYV virions)

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MpDNV_DNA_RNA_seq_consensus      GTCATGGCCATGACACTAGCCCTAAGATAAGGCTAGTGTTGACAATAAGTATAGATAAC-
TRINITY_DN2570_c0_g2_i1 APFV-13  -------CCATGACACTAGCCCTAAGATAAGGCTAGTGTTGACAATAAGTATAGATAACA NS 5'-end
TRINITY_DN7_c0_g1_i2    APFV-11  ---------------------------------------------------------------
TRINITY_DN7_c0_g1_i1    APFV-11  ---------------------------------------------------------------
TRINITY_DN11_c0_g1_i4   APFV-12  ---------------------------------------------------------------
TRINITY_DN11_c0_g1_i1   APFV-12  ---------------------------------------------------------------

MpDNV_DNA_RNA_seq_consensus     AAGGATACCCCCCGCCCCCCGGAAGTAGGTAGTGGTTATTATTAGTAGGGGATCTTTTTA 5'ITR TATA-box
TRINITY_DN2570_c0_g2_i1         AAGGATACCCCCCGCCCCCCGGAAGTAGGTAGTGGTTATTATTAGTGGGGGATCTTTTTA
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TRINITY_DN7_c0_g1_i2           ------------------------------------------------------------
TRINITY_DN7_c0_g1_i1           ------------------------------------------------------------
TRINITY_DN11_c0_g1_i4          ------------------------------------------------------------
TRINITY_DN11_c0_g1_i1          ------------------------------------------------------------


MpDNV_DNA_RNA_seq_consensus    TATAATAAAAAGATAGACAAGTATCCAGTAGGCGACTAGGTGGGGGTGACGTCATCACTA
TRINITY_DN2570_c0_g2_i1        TATAATAAAAAGATAGACAAGTATCCAGTAGGCGACTAGGTGGGGGTGACGTCATCACTA
TRINITY_DN7_c0_g1_i2           ------------------------------------------------------------
TRINITY_DN7_c0_g1_i1           ------------------------------------------------------------
TRINITY_DN11_c0_g1_i4          ------------------------------------------------------------
TRINITY_DN11_c0_g1_i1          ------------------------------------------------------------


MpDNV_DNA_RNA_seq_consensus    TTTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGT
TRINITY_DN2570_c0_g2_i1        TTTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGT
TRINITY_DN7_c0_g1_i2           ------------------------------------------------------------
TRINITY_DN7_c0_g1_i1           ------------------------------------------------------------
TRINITY_DN11_c0_g1_i4          ------------------------------------------------------------
TRINITY_DN11_c0_g1_i1          ------------------------------------------------------------


MpDNV_DNA_RNA_seq_consensus    GATTGATTATTTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA
TRINITY_DN2570_c0_g2_i1  APFV-13 GATTGATTATTTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA
TRINITY_DN7_c0_g1_i2     APFV-11 -ATTGATTATCTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA NS 5'-end
TRINITY_DN7_c0_g1_i1             -ATTGATTATCTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA NS 5'-end
TRINITY_DN11_c0_g1_i4    APFV-12 ---TGATTATCTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA NS 5'-end
TRINITY_DN11_c0_g1_i1            ---TGATTATCTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA NS 5'-end
                                    ******* **************************************************


MpDNV_DNA_RNA_seq_consensus    TATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAG
TRINITY_DN2570_c0_g2_i1        TATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAG
TRINITY_DN7_c0_g1_i2           TATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAG
TRINITY_DN7_c0_g1_i1           TATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAG
TRINITY_DN11_c0_g1_i4    APFV-12 TATAATGAAGTGTGGAACCTACAACAATGTCAGTACTCATCAAAATGTCAAACTCGCAAG
TRINITY_DN11_c0_g1_i1           TATAATGAAGTGTGGAACCTACAACAATGTCAGTACTCATCAAAATGTCAAACTCGCAAG
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MpDNV_DNA_RNA_seq_consensus    AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
TRINITY_DN2570_c0_g2_i1        AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
TRINITY_DN7_c0_g1_i2           AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
TRINITY_DN7_c0_g1_i1           AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
TRINITY_DN11_c0_g1_i4          AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
TRINITY_DN11_c0_g1_i1          AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
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MpDNV_DNA_RNA_seq_consensus    CAGCGGCGACGATTCAAACGGACCACCAACAGACTGGCGTGAATGGATCGACCCCGATGT
TRINITY_DN2570_c0_g2_i1        CAGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGT
TRINITY_DN7_c0_g1_i2           CAGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGT
TRINITY_DN7_c0_g1_i1           CAGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGT
TRINITY_DN11_c0_g1_i4          CAGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGT
TRINITY_DN11_c0_g1_i1          CAGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGT
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MpDNV_DNA_RNA_seq_consensus    TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
TRINITY_DN2570_c0_g2_i1        TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
TRINITY_DN7_c0_g1_i2           TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
TRINITY_DN7_c0_g1_i1           TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
TRINITY_DN11_c0_g1_i4          TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
TRINITY_DN11_c0_g1_i1          TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
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MpDNV_DNA_RNA_seq_consensus    TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
TRINITY_DN2570_c0_g2_i1        TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
TRINITY_DN7_c0_g1_i2           TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
TRINITY_DN7_c0_g1_i1           TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
TRINITY_DN11_c0_g1_i4          TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
TRINITY_DN11_c0_g1_i1          TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
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MpDNV_DNA_RNA_seq_consensus    GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
TRINITY_DN2570_c0_g2_i1        GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
TRINITY_DN7_c0_g1_i2           GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
TRINITY_DN7_c0_g1_i1           GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
TRINITY_DN11_c0_g1_i4          GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
TRINITY_DN11_c0_g1_i1          GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
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MpDNV_DNA_RNA_seq_consensus    GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
TRINITY_DN2570_c0_g2_i1        GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
TRINITY_DN7_c0_g1_i2           GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
TRINITY_DN7_c0_g1_i1           GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
TRINITY_DN11_c0_g1_i4          GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
TRINITY_DN11_c0_g1_i1          GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
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MpDNV_DNA_RNA_seq_consensus    AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
TRINITY_DN2570_c0_g2_i1        AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
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TRINITY_DN7_c0_g1_i2            AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
TRINITY_DN7_c0_g1_i1            AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
TRINITY_DN11_c0_g1_i4           AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
TRINITY_DN11_c0_g1_i1           AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
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MpDNV_DNA_RNA_seq_consensus     AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
TRINITY_DN2570_c0_g2_i1         AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
TRINITY_DN7_c0_g1_i2            AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
TRINITY_DN7_c0_g1_i1            AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
TRINITY_DN11_c0_g1_i4           AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
TRINITY_DN11_c0_g1_i1           AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
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MpDNV_DNA_RNA_seq_consensus     CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
TRINITY_DN2570_c0_g2_i1         CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
TRINITY_DN7_c0_g1_i2            CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
TRINITY_DN7_c0_g1_i1            CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
TRINITY_DN11_c0_g1_i4           CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
TRINITY_DN11_c0_g1_i1           CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
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MpDNV_DNA_RNA_seq_consensus     CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
TRINITY_DN2570_c0_g2_i1         CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
TRINITY_DN7_c0_g1_i2            CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
TRINITY_DN7_c0_g1_i1            CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
TRINITY_DN11_c0_g1_i4           CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
TRINITY_DN11_c0_g1_i1           CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
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MpDNV_DNA_RNA_seq_consensus     CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
TRINITY_DN2570_c0_g2_i1         CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
TRINITY_DN7_c0_g1_i2            CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
TRINITY_DN7_c0_g1_i1            CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
TRINITY_DN11_c0_g1_i4           CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
TRINITY_DN11_c0_g1_i1           CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
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MpDNV_DNA_RNA_seq_consensus     TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
TRINITY_DN2570_c0_g2_i1         TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
TRINITY_DN7_c0_g1_i2            TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
TRINITY_DN7_c0_g1_i1            TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
TRINITY_DN11_c0_g1_i4           TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
TRINITY_DN11_c0_g1_i1           TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
                                ************************************************************

MpDNV_DNA_RNA_seq_consensus     AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
TRINITY_DN2570_c0_g2_i1         AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
TRINITY_DN7_c0_g1_i2            AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
TRINITY_DN7_c0_g1_i1            AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
TRINITY_DN11_c0_g1_i4           AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
TRINITY_DN11_c0_g1_i1           AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
                                ************************************************************

MpDNV_DNA_RNA_seq_consensus     AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAG 5'splice site
TRINITY_DN2570_c0_g2_i1         AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAG NS unspliced
TRINITY_DN7_c0_g1_i2            AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAG NS unspliced
TRINITY_DN7_c0_g1_i1            AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCA----- NS spliced
TRINITY_DN11_c0_g1_i4           AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAG NS unspliced
TRINITY_DN11_c0_g1_i1           AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCA----- NS spliced
                                ********************************************************

MpDNV_DNA_RNA_seq_consensus     TATTGCGTAATTTTTTTATATACTTGGATTGGTTGACGGGTATAGAAGCGAATAGATGCG
TRINITY_DN2570_c0_g2_i1         TATTGCGTAATTTTTTTATATACTTGGATTGGTTGACGGGTATAGAAGCGAATAGATGCG
TRINITY_DN7_c0_g1_i2            TATTGCGTAATTTTTTTATATACTTGGATTGGTTGACGGGTATAGAAGCGAATAGATGCG
TRINITY_DN7_c0_g1_i1            ------------------------------------------------------------
TRINITY_DN11_c0_g1_i4           TATTGCGTAATTTTTTTATATACTTGGATTGGTTGACGGGTATAGAAGCGAATAGATGCG
TRINITY_DN11_c0_g1_i1           ------------------------------------------------------------

MpDNV_DNA_RNA_seq_consensus     TTTCATATATTAAAACTGGTATGCCTGGCAGGAGTTACGTTAAAAGCGTGATGCCAAAAA
TRINITY_DN2570_c0_g2_i1         TTTCATATATTAAAACTGGTATGCCTGGCAGGAGTTACGTTAAAAGCGTGATGCCAAAAA
TRINITY_DN7_c0_g1_i2            TTTCATATATTAAAACTGGTATGCCTGGCAGGAGTTACGTTAAAAGCGTGATGCCAAAAA
TRINITY_DN7_c0_g1_i1            ------------------------------------------------------------
TRINITY_DN11_c0_g1_i4           TTTCATATATTAAAACTGGTATGCCTGGCAGGAGTTACGTTAAAAGCGTGATGCCAAAAA
TRINITY_DN11_c0_g1_i1           ------------------------------------------------------------

MpDNV_DNA_RNA_seq_consensus     ATTATTGGCGTAATCCTAAAGAATTTCACTTAGCGCTTGATAAATTAGAGTTGCTCGTTA
TRINITY_DN2570_c0_g2_i1         ATTATTGGCGTAATCCTAAAGAATTTCACTTAGCGCTTGATAAATTAGAGTTGCTCGTTA
TRINITY_DN7_c0_g1_i2            ATTATTGGCGTAATCCTAAAGAATTTCACTTAGCGCTTGATAAATTAGAGTTGCTCGTTA
TRINITY_DN7_c0_g1_i1            ------------------------------------------------------------
TRINITY_DN11_c0_g1_i4           ATTATTGGCGTAATCCTAAAGAATTTCACTTAGCGCTTGATAAATTAGAGTTGCTCGTTA
TRINITY_DN11_c0_g1_i1           ------------------------------------------------------------

MpDNV_DNA_RNA_seq_consensus     AACGACATTTCGGTGATTTCACGTGTTTGGAAAATTTTTTACCGCAATATCGTTGGCATA
TRINITY_DN2570_c0_g2_i1         AACGACATTTCGGTGATTTCACGTGTTTGGAAAATTTTTTACCGCAATATCGTTGGCATA
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TRINITY_DN7_c0_g1_i2            AACGACATTTCGGTGATTTCACGTGTTTGGAAAATTTTTTACCGCAATATCGTTGGCATA
TRINITY_DN7_c0_g1_i1            ------------------------------------------------------------
TRINITY_DN11_c0_g1_i4           AACGACATTTCGGTGATTTCACGTGTTTGGAAAATTTTTTACCGCAATATCGTTGGCATA
TRINITY_DN11_c0_g1_i1           ------------------------------------------------------------


MpDNV_DNA_RNA_seq_consensus     ATTGCATCACATGGTTTGTGAACGTGATGTCCTGTCCGTTGGACCCGTGGACTGTCGAAT
TRINITY_DN2570_c0_g2_i1         ATTGCATCACATGGTTTGTGAACGTGATGTCCTGTCCGTTGGACCCGTGGACTGTCGAAT
TRINITY_DN7_c0_g1_i2            ATTGCATCACATGGTTTGTGAACGTGATGTCCTGTCCGTTGGACCCGTGGACTGTCGAAT
TRINITY_DN7_c0_g1_i1            ------------------------------------------------------------
TRINITY_DN11_c0_g1_i4           ATTGCATCACATGGTTTGTGAACGTGATGTCCTGTCCGTTGGACCCGTGGACTGTCGAAT
TRINITY_DN11_c0_g1_i1           ------------------------------------------------------------


MpDNV_DNA_RNA_seq_consensus     GTGCTGGTTGTGGTTTTCAACATATTCCTAATATATCTAAATGCGAACTACTACGAGACT
TRINITY_DN2570_c0_g2_i1         GTGCTGGTTGTGGTTTTCAACATATTCCTAATATATCTAAATGCGAACTACTACGAGACT
TRINITY_DN7_c0_g1_i2            GTGCTGGTTGTGGTTTTCAACATATTCCTAATATATCTAAATGCGAACTACTACGAGACT
TRINITY_DN7_c0_g1_i1            ------------------------------------------------------------
TRINITY_DN11_c0_g1_i4           GTGCTGGTTGTGGTTTTCAACATATTCCTAATATATCTAAATGCGAACTACTACGAGACT
TRINITY_DN11_c0_g1_i1           ------------------------------------------------------------


MpDNV_DNA_RNA_seq_consensus     ATCCGTTCATGAACGAGGGCACTATAAATCATATACTAATCGAATGCATTAAAATTTACA
TRINITY_DN2570_c0_g2_i1         ATCCGTTCATGAACGAGGGCACTATAAATCATATACTAATCGAATGCATTAAAATTTACA
TRINITY_DN7_c0_g1_i2            ATCCGTTCATGAACGAGGGCACTATAAATCATATACTAATCGAATGCATTAAAATTTACA
TRINITY_DN7_c0_g1_i1            ------------------------------------------------------------
TRINITY_DN11_c0_g1_i4           ATCCGTTCATGAACGAGGGCACTATAAATCATATACTAATCGAATGCATTAAAATTTACA
TRINITY_DN11_c0_g1_i1           ------------------------------------------------------------


MpDNV_DNA_RNA_seq_consensus     AACAGGAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC 3'splice site
TRINITY_DN2570_c0_g2_i1         AACAGGAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC NS unspliced
TRINITY_DN7_c0_g1_i2            AACAGGAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC NS unspliced
TRINITY_DN7_c0_g1_i1            -----GAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC NS spliced
TRINITY_DN11_c0_g1_i4           AACAGGAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC NS unspliced
TRINITY_DN11_c0_g1_i1           -----GAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC NS spliced
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MpDNV_DNA_RNA_seq_consensus     AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
TRINITY_DN2570_c0_g2_i1         AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
TRINITY_DN7_c0_g1_i2            AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
TRINITY_DN7_c0_g1_i1            AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
TRINITY_DN11_c0_g1_i4           AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
TRINITY_DN11_c0_g1_i1           AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
                                ************************************************************


MpDNV_DNA_RNA_seq_consensus     CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
TRINITY_DN2570_c0_g2_i1         CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
TRINITY_DN7_c0_g1_i2            CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
TRINITY_DN7_c0_g1_i1            CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
TRINITY_DN11_c0_g1_i4           CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
TRINITY_DN11_c0_g1_i1           CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
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MpDNV_DNA_RNA_seq_consensus     TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
TRINITY_DN2570_c0_g2_i1         TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
TRINITY_DN7_c0_g1_i2            TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
TRINITY_DN7_c0_g1_i1            TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
TRINITY_DN11_c0_g1_i4           TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
TRINITY_DN11_c0_g1_i1           TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
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MpDNV_DNA_RNA_seq_consensus     AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
TRINITY_DN2570_c0_g2_i1         AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
TRINITY_DN7_c0_g1_i2            AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
TRINITY_DN7_c0_g1_i1            AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
TRINITY_DN11_c0_g1_i4           AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
TRINITY_DN11_c0_g1_i1           AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
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MpDNV_DNA_RNA_seq_consensus     TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
TRINITY_DN2570_c0_g2_i1         TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
TRINITY_DN7_c0_g1_i2            TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
TRINITY_DN7_c0_g1_i1            TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
TRINITY_DN11_c0_g1_i4           TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
TRINITY_DN11_c0_g1_i1           TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
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MpDNV_DNA_RNA_seq_consensus     ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
TRINITY_DN2570_c0_g2_i1         ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
TRINITY_DN7_c0_g1_i2            ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
TRINITY_DN7_c0_g1_i1            ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
TRINITY_DN11_c0_g1_i4           ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
TRINITY_DN11_c0_g1_i1           ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
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MpDNV_DNA_RNA_seq_consensus     GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
TRINITY_DN2570_c0_g2_i1         GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
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TRINITY_DN7_c0_g1_i2            GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
TRINITY_DN7_c0_g1_i1            GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
TRINITY_DN11_c0_g1_i4           GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
TRINITY_DN11_c0_g1_i1           GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
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MpDNV_DNA_RNA_seq_consensus     CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
TRINITY_DN2570_c0_g2_i1         CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
TRINITY_DN7_c0_g1_i2            CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
TRINITY_DN7_c0_g1_i1            CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
TRINITY_DN11_c0_g1_i4           CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
TRINITY_DN11_c0_g1_i1           CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
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MpDNV_DNA_RNA_seq_consensus     CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
TRINITY_DN2570_c0_g2_i1         CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
TRINITY_DN7_c0_g1_i2            CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
TRINITY_DN7_c0_g1_i1            CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
TRINITY_DN11_c0_g1_i4           CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
TRINITY_DN11_c0_g1_i1           CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
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MpDNV_DNA_RNA_seq_consensus     TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
TRINITY_DN2570_c0_g2_i1         TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
TRINITY_DN7_c0_g1_i2            TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
TRINITY_DN7_c0_g1_i1            TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
TRINITY_DN11_c0_g1_i4           TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
TRINITY_DN11_c0_g1_i1           TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
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MpDNV_DNA_RNA_seq_consensus     ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
TRINITY_DN2570_c0_g2_i1         ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
TRINITY_DN7_c0_g1_i2            ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
TRINITY_DN7_c0_g1_i1            ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
TRINITY_DN11_c0_g1_i4           ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
TRINITY_DN11_c0_g1_i1           ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
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MpDNV_DNA_RNA_seq_consensus     CATCGTATTTGCTTTCATATGGTATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
TRINITY_DN2570_c0_g2_i1         CATCGTATTTGCTTTCATATGGTATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
TRINITY_DN7_c0_g1_i2            CATCGTATTTGCTTTCATATGGTATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
TRINITY_DN7_c0_g1_i1            CATCGTATTTGCTTTCATATGGTATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
TRINITY_DN11_c0_g1_i4           CATCGTATTTGCTTTCATATGGCATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
TRINITY_DN11_c0_g1_i1           CATCGTATTTGCTTTCATATGGCATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
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MpDNV_DNA_RNA_seq_consensus     GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
TRINITY_DN2570_c0_g2_i1         GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTACGAACAATACC
TRINITY_DN7_c0_g1_i2            GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
TRINITY_DN7_c0_g1_i1            GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
TRINITY_DN11_c0_g1_i4           GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
TRINITY_DN11_c0_g1_i1           GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
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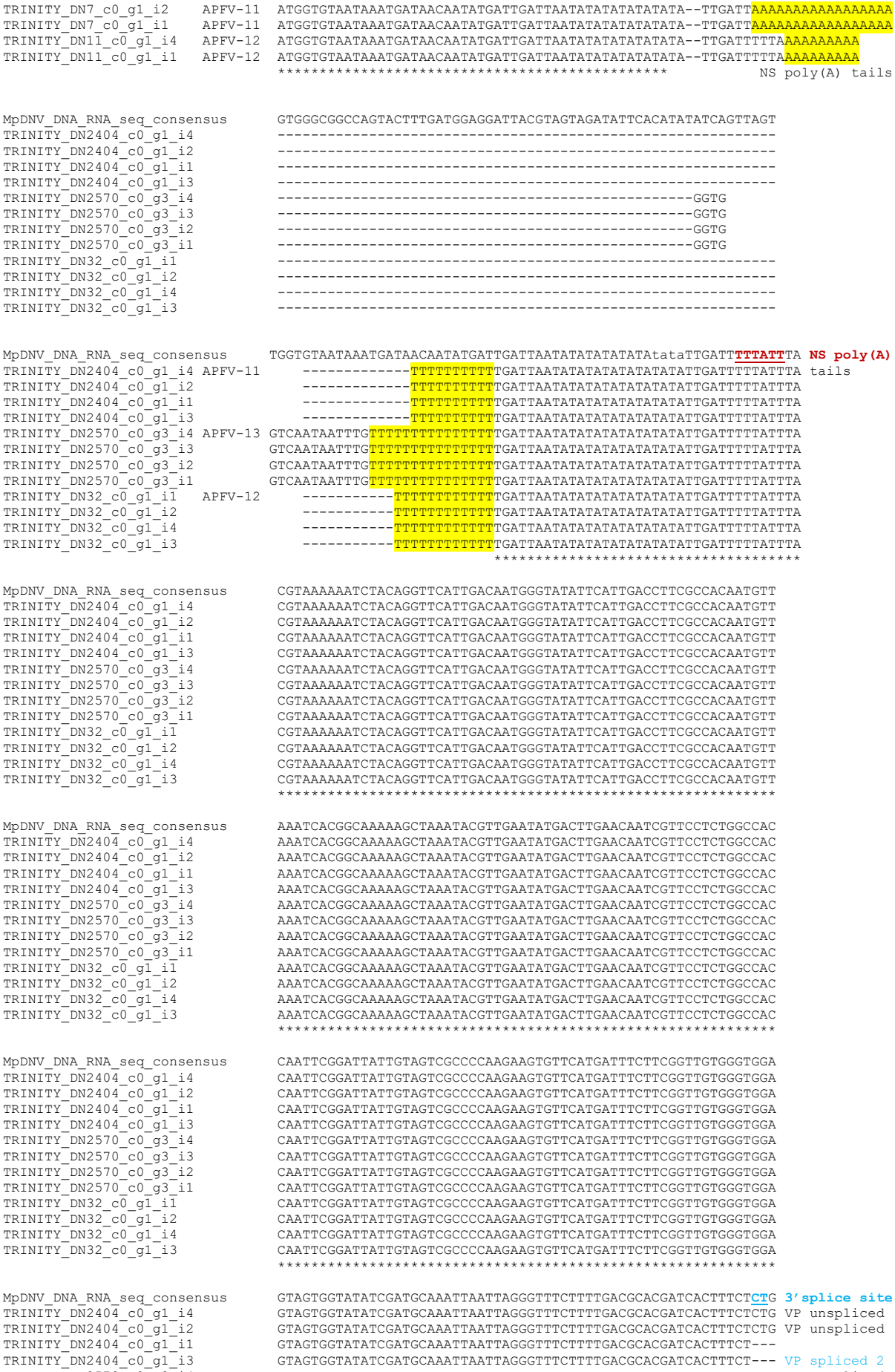
MpDNV_DNA_RNA_seq_consensus     ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
TRINITY_DN2570_c0_g2_i1         ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
TRINITY_DN7_c0_g1_i2            ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
TRINITY_DN7_c0_g1_i1            ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
TRINITY_DN11_c0_g1_i4           ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
TRINITY_DN11_c0_g1_i1           ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
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MpDNV_DNA_RNA_seq_consensus     CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
TRINITY_DN2570_c0_g2_i1         CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
TRINITY_DN7_c0_g1_i2            CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
TRINITY_DN7_c0_g1_i1            CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
TRINITY_DN11_c0_g1_i4           CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
TRINITY_DN11_c0_g1_i1           CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
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MpDNV_DNA_RNA_seq_consensus     TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
TRINITY_DN2570_c0_g2_i1         TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
TRINITY_DN7_c0_g1_i2            TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
TRINITY_DN7_c0_g1_i1            TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
TRINITY_DN11_c0_g1_i4           TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
TRINITY_DN11_c0_g1_i1           TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
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MpDNV_DNA_RNA_seq_consensus     TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
TRINITY_DN2570_c0_g2_i1         TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
TRINITY_DN7_c0_g1_i2            TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
TRINITY_DN7_c0_g1_i1            TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
TRINITY_DN11_c0_g1_i4           TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
TRINITY_DN11_c0_g1_i1           TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
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MpDNV_DNA_RNA_seq_consensus     ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATAatatTTGATTTTTAT NS poly(A)
TRINITY_DN2570_c0_g2_i1 APFV-13  ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATAAAAAAAAAAAAA-- tail
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TRINITY_DN7_c0_g1_i2 APFV-11 ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATA--TTGATTAAAAAAAAAAAAAAAAA
TRINITY_DN7_c0_g1_i1 APFV-11 ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATA--TTGATTAAAAAAAAAAAAAAAAA
TRINITY_DN11_c0_g1_i4 APFV-12 ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATA--TTGATTTTTAAAAAAAAAA
TRINITY_DN11_c0_g1_i1 APFV-12 ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATA--TTGATTTTTAAAAAAAAA
NS poly(A) tails
MpDNV_DNA_RNA_seq_consensus GTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAGT
TRINITY_DN2404_c0_g1_i4
TRINITY_DN2404_c0_g1_i2
TRINITY_DN2404_c0_g1_i1
TRINITY_DN2404_c0_g1_i3
TRINITY_DN2570_c0_g3_i4 GGTG
TRINITY_DN2570_c0_g3_i3 GGTG
TRINITY_DN2570_c0_g3_i2 GGTG
TRINITY_DN2570_c0_g3_i1 GGTG
TRINITY_DN32_c0_g1_i1
TRINITY_DN32_c0_g1_i2
TRINITY_DN32_c0_g1_i4
TRINITY_DN32_c0_g1_i3
MpDNV_DNA_RNA_seq_consensus TGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATAtataTTGATTTTTATTTA NS poly(A)
TRINITY_DN2404_c0_g1_i4 APFV-11 TTTTTTTTTTGATTAATATATATATATATATATTGATTTTTATTTA tails
TRINITY_DN2404_c0_g1_i2 TTTTTTTTTTGATTAATATATATATATATATATTGATTTTTATTTA
TRINITY_DN2404_c0_g1_i1 TTTTTTTTTTGATTAATATATATATATATATATTGATTTTTATTTA
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TRINITY_DN2570_c0_g3_i4 APFV-13 GTCAATAATTTGTTTTTTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTATTTA
TRINITY_DN2570_c0_g3_i3 GTCAATAATTTGTTTTTTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTATTTA
TRINITY_DN2570_c0_g3_i2 GTCAATAATTTGTTTTTTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTATTTA
TRINITY_DN2570_c0_g3_i1 GTCAATAATTTGTTTTTTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTATTTA
TRINITY_DN32_c0_g1_i1 APFV-12 TTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTATTTA
TRINITY_DN32_c0_g1_i2 TTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTATTTA
TRINITY_DN32_c0_g1_i4 TTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTATTTA
TRINITY_DN32_c0_g1_i3 TTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTATTTA
MpDNV_DNA_RNA_seq_consensus CGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAATGTT
TRINITY_DN2404_c0_g1_i4 CGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAATGTT
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MpDNV_DNA_RNA_seq_consensus AAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGGCCAC
TRINITY_DN2404_c0_g1_i4 AAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGGCCAC
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TRINITY_DN32_c0_g1_i2 AAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGGCCAC
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TRINITY_DN32_c0_g1_i3 AAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGGCCAC
MpDNV_DNA_RNA_seq_consensus CAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGGTGGA
TRINITY_DN2404_c0_g1_i4 CAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGGTGGA
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TRINITY_DN32_c0_g1_i1 CAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGGTGGA
TRINITY_DN32_c0_g1_i2 CAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGGTGGA
TRINITY_DN32_c0_g1_i4 CAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGGTGGA
TRINITY_DN32_c0_g1_i3 CAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGGTGGA
MpDNV_DNA_RNA_seq_consensus GTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTCTCTG 3'splice site
TRINITY_DN2404_c0_g1_i4 GTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTCTCTG VP unspliced
TRINITY_DN2404_c0_g1_i2 GTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTCTCTG VP unspliced
TRINITY_DN2404_c0_g1_i1 GTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTCT---
TRINITY_DN2404_c0_g1_i3 GTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTCT--- VP spliced 2
TRINITY_DN2570_c0_g3_i4 GTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTCTCTG VP unspliced

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TRINITY_DN2570_c0_g3_i3          GTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTCTCTG VP unspliced
TRINITY_DN2570_c0_g3_i2          GTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTCT--- VP spliced 2
TRINITY_DN2570_c0_g3_i1          GTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTCT--- VP spliced 2
TRINITY_DN32_c0_g1_i1            GTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTCTCTG
TRINITY_DN32_c0_g1_i2            GTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTCTCTG
TRINITY_DN32_c0_g1_i4            GTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTCT--- VP spliced 2
TRINITY_DN32_c0_g1_i3            GTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTCT--- VP spliced 2
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MpDNV_DNA_RNA_seq_consensus      TAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGACGCT
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TRINITY_DN2404_c0_g1_i2          TAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGACGCT
TRINITY_DN2404_c0_g1_i1          ------------------------------------------------------------
TRINITY_DN2404_c0_g1_i3          ------------------------------------------------------------
TRINITY_DN2570_c0_g3_i4          TAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGACGCT
TRINITY_DN2570_c0_g3_i3          TAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGACGCT
TRINITY_DN2570_c0_g3_i2          ------------------------------------------------------------
TRINITY_DN2570_c0_g3_i1          ------------------------------------------------------------
TRINITY_DN32_c0_g1_i1            TAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGACGCT
TRINITY_DN32_c0_g1_i2            TAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGACGCT
TRINITY_DN32_c0_g1_i4            ------------------------------------------------------------
TRINITY_DN32_c0_g1_i3            ------------------------------------------------------------

MpDNV_DNA_RNA_seq_consensus      TCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGTAGTG 5'splice site
TRINITY_DN2404_c0_g1_i4          TCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGTAGTG VP unspliced
TRINITY_DN2404_c0_g1_i2          TCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGTAGTG VP unspliced
TRINITY_DN2404_c0_g1_i1          ---------------------------------CCGAACAGACGTAGGTACAGGTGTAGTG VP spliced 2
TRINITY_DN2404_c0_g1_i3          ---------------------------------CCGAACAGACGTAGGTACAGGTGTAGTG VP spliced 2
TRINITY_DN2570_c0_g3_i4          TCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGTAGTG VP unspliced
TRINITY_DN2570_c0_g3_i3          TCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGTAGTG VP unspliced
TRINITY_DN2570_c0_g3_i2          ---------------------------------CCGAACAGACGTAGGTACAGGTGTAGTG VP spliced 2
TRINITY_DN2570_c0_g3_i1          ---------------------------------CCGAACAGACGTAGGTACAGGTGTAGTG VP spliced 2
TRINITY_DN32_c0_g1_i1            TCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGTAGTG VP unspliced
TRINITY_DN32_c0_g1_i2            TCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGTAGTG VP unspliced
TRINITY_DN32_c0_g1_i4            ---------------------------------CCGAACAGACGTAGGTACAGGTGTAGTG VP spliced 2
TRINITY_DN32_c0_g1_i3            ---------------------------------CCGAACAGACGTAGGTACAGGTGTAGTG VP spliced 2
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MpDNV_DNA_RNA_seq_consensus      ACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTTGCCC
TRINITY_DN2404_c0_g1_i4          ACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTTGCCC
TRINITY_DN2404_c0_g1_i2          ACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTTGCCC
TRINITY_DN2404_c0_g1_i1          ACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTTGCCC
TRINITY_DN2404_c0_g1_i3          ACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTTGCCC
TRINITY_DN2570_c0_g3_i4          ACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTTGCCC
TRINITY_DN2570_c0_g3_i3          ACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTTGCCC
TRINITY_DN2570_c0_g3_i2          ACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTTGCCC
TRINITY_DN2570_c0_g3_i1          ACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTTGCCC
TRINITY_DN32_c0_g1_i1            ACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTTGCCC
TRINITY_DN32_c0_g1_i2            ACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTTGCCC
TRINITY_DN32_c0_g1_i4            ACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTTGCCC
TRINITY_DN32_c0_g1_i3            ACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTTGCCC
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MpDNV_DNA_RNA_seq_consensus      ATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTTTTCA
TRINITY_DN2404_c0_g1_i4          ATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTTTTCA
TRINITY_DN2404_c0_g1_i2          ATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTTTTCA
TRINITY_DN2404_c0_g1_i1          ATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTTTTCA
TRINITY_DN2404_c0_g1_i3          ATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTTTTCA
TRINITY_DN2570_c0_g3_i4          ATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTTTTCA
TRINITY_DN2570_c0_g3_i3          ATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTTTTCA
TRINITY_DN2570_c0_g3_i2          ATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTTTTCA
TRINITY_DN2570_c0_g3_i1          ATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTTTTCA
TRINITY_DN32_c0_g1_i1            ATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTTTTCA
TRINITY_DN32_c0_g1_i2            ATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTTTTCA
TRINITY_DN32_c0_g1_i4            ATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTTTTCA
TRINITY_DN32_c0_g1_i3            ATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTTTTCA
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MpDNV_DNA_RNA_seq_consensus      GGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTGATTG
TRINITY_DN2404_c0_g1_i4          GGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTGATTG
TRINITY_DN2404_c0_g1_i2          GGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTGATTG
TRINITY_DN2404_c0_g1_i1          GGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTGATTG
TRINITY_DN2404_c0_g1_i3          GGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTGATTG
TRINITY_DN2570_c0_g3_i4          GGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTGATTG
TRINITY_DN2570_c0_g3_i3          GGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTGATTG
TRINITY_DN2570_c0_g3_i2          GGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTGATTG
TRINITY_DN2570_c0_g3_i1          GGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTGATTG
TRINITY_DN32_c0_g1_i1            GGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTGATTG
TRINITY_DN32_c0_g1_i2            GGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTGATTG
TRINITY_DN32_c0_g1_i4            GGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTGATTG
TRINITY_DN32_c0_g1_i3            GGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTGATTG
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MpDNV_DNA_RNA_seq_consensus      TAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAACGCT
TRINITY_DN2404_c0_g1_i4          TAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAACGCT
TRINITY_DN2404_c0_g1_i2          TAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAACGCT
TRINITY_DN2404_c0_g1_i1          TAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAACGCT
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TRINITY_DN2404_c0_g1_i3          TAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAACGCT
TRINITY_DN2570_c0_g3_i4          TAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAACGCT
TRINITY_DN2570_c0_g3_i3          TAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAACGCT
TRINITY_DN2570_c0_g3_i2          TAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAACGCT
TRINITY_DN2570_c0_g3_i1          TAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAACGCT
TRINITY_DN32_c0_g1_i1            TAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAACGCT
TRINITY_DN32_c0_g1_i2            TAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAACGCT
TRINITY_DN32_c0_g1_i4            TAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAACGCT
TRINITY_DN32_c0_g1_i3            TAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAACGCT
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MpDNV_DNA_RNA_seq_consensus      GTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGTGCAT
TRINITY_DN2404_c0_g1_i4          GTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGTGCAT
TRINITY_DN2404_c0_g1_i2          GTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGTGCAT
TRINITY_DN2404_c0_g1_i1          GTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGTGCAT
TRINITY_DN2404_c0_g1_i3          GTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGTGCAT
TRINITY_DN2570_c0_g3_i4          GTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGTGCAT
TRINITY_DN2570_c0_g3_i3          GTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGTGCAT
TRINITY_DN2570_c0_g3_i2          GTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGTGCAT
TRINITY_DN2570_c0_g3_i1          GTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGTGCAT
TRINITY_DN32_c0_g1_i1            GTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGTGCAT
TRINITY_DN32_c0_g1_i2            GTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGTGCAT
TRINITY_DN32_c0_g1_i4            GTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGTGCAT
TRINITY_DN32_c0_g1_i3            GTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGTGCAT
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MpDNV_DNA_RNA_seq_consensus      TCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATGCACT
TRINITY_DN2404_c0_g1_i4          TCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATGCACT
TRINITY_DN2404_c0_g1_i2          TCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATGCACT
TRINITY_DN2404_c0_g1_i1          TCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATGCACT
TRINITY_DN2404_c0_g1_i3          TCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATGCACT
TRINITY_DN2570_c0_g3_i4          TCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATGCACT
TRINITY_DN2570_c0_g3_i3          TCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATGCACT
TRINITY_DN2570_c0_g3_i2          TCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATGCACT
TRINITY_DN2570_c0_g3_i1          TCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATGCACT
TRINITY_DN32_c0_g1_i1            TCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATGCACT
TRINITY_DN32_c0_g1_i2            TCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATGCACT
TRINITY_DN32_c0_g1_i4            TCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATGCACT
TRINITY_DN32_c0_g1_i3            TCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATGCACT
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MpDNV_DNA_RNA_seq_consensus      GGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATCGAAC
TRINITY_DN2404_c0_g1_i4          GGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATCGAAC
TRINITY_DN2404_c0_g1_i2          GGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATCGAAC
TRINITY_DN2404_c0_g1_i1          GGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATCGAAC
TRINITY_DN2404_c0_g1_i3          GGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATCGAAC
TRINITY_DN2570_c0_g3_i4          GGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATCGAAC
TRINITY_DN2570_c0_g3_i3          GGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATCGAAC
TRINITY_DN2570_c0_g3_i2          GGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATCGAAC
TRINITY_DN2570_c0_g3_i1          GGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATCGAAC
TRINITY_DN32_c0_g1_i1            GGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATCGAAC
TRINITY_DN32_c0_g1_i2            GGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATCGAAC
TRINITY_DN32_c0_g1_i4            GGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATCGAAC
TRINITY_DN32_c0_g1_i3            GGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATCGAAC
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MpDNV_DNA_RNA_seq_consensus      ATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATATGCGT
TRINITY_DN2404_c0_g1_i4          ATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATATGCGT
TRINITY_DN2404_c0_g1_i2          ATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATATGCGT
TRINITY_DN2404_c0_g1_i1          ATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATATGCGT
TRINITY_DN2404_c0_g1_i3          ATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATATGCGT
TRINITY_DN2570_c0_g3_i4          ATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATATGCGT
TRINITY_DN2570_c0_g3_i3          ATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATATGCGT
TRINITY_DN2570_c0_g3_i2          ATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATATGCGT
TRINITY_DN2570_c0_g3_i1          ATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATATGCGT
TRINITY_DN32_c0_g1_i1            ATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATATGCGT
TRINITY_DN32_c0_g1_i2            ATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATATGCGT
TRINITY_DN32_c0_g1_i4            ATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATATGCGT
TRINITY_DN32_c0_g1_i3            ATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATATGCGT
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MpDNV_DNA_RNA_seq_consensus      TTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAAGCCA
TRINITY_DN2404_c0_g1_i4          TTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAAGCCA
TRINITY_DN2404_c0_g1_i2          TTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAAGCCA
TRINITY_DN2404_c0_g1_i1          TTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAAGCCA
TRINITY_DN2404_c0_g1_i3          TTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAAGCCA
TRINITY_DN2570_c0_g3_i4          TTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAAGCCA
TRINITY_DN2570_c0_g3_i3          TTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAAGCCA
TRINITY_DN2570_c0_g3_i2          TTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAAGCCA
TRINITY_DN2570_c0_g3_i1          TTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAAGCCA
TRINITY_DN32_c0_g1_i1            TTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAAGCCA
TRINITY_DN32_c0_g1_i2            TTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAAGCCA
TRINITY_DN32_c0_g1_i4            TTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAAGCCA
TRINITY_DN32_c0_g1_i3            TTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAAGCCA
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MpDNV_DNA_RNA_seq_consensus      CTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACATAGCA
TRINITY_DN2404_c0_g1_i4          CTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACATAGCA
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TRINITY_DN2404_c0_g1_i2          CTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACATAGCA
TRINITY_DN2404_c0_g1_i1          CTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACATAGCA
TRINITY_DN2404_c0_g1_i3          CTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACATAGCA
TRINITY_DN2570_c0_g3_i4          CTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACATAGCA
TRINITY_DN2570_c0_g3_i3          CTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACATAGCA
TRINITY_DN2570_c0_g3_i2          CTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACATAGCA
TRINITY_DN2570_c0_g3_i1          CTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACATAGCA
TRINITY_DN32_c0_g1_i1            CTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACATAGCA
TRINITY_DN32_c0_g1_i2            CTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACATAGCA
TRINITY_DN32_c0_g1_i4            CTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACATAGCA
TRINITY_DN32_c0_g1_i3            CTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACATAGCA
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MpDNV_DNA_RNA_seq_consensus      AATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTGTGGT
TRINITY_DN2404_c0_g1_i4          AATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTGTGGT
TRINITY_DN2404_c0_g1_i2          AATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTGTGGT
TRINITY_DN2404_c0_g1_i1          AATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTGTGGT
TRINITY_DN2404_c0_g1_i3          AATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTGTGGT
TRINITY_DN2570_c0_g3_i4          AATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTGTGGT
TRINITY_DN2570_c0_g3_i3          AATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTGTGGT
TRINITY_DN2570_c0_g3_i2          AATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTGTGGT
TRINITY_DN2570_c0_g3_i1          AATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTGTGGT
TRINITY_DN32_c0_g1_i1            AATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTGTGGT
TRINITY_DN32_c0_g1_i2            AATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTGTGGT
TRINITY_DN32_c0_g1_i4            AATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTGTGGT
TRINITY_DN32_c0_g1_i3            AATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTGTGGT
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MpDNV_DNA_RNA_seq_consensus      AGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGACAGTA
TRINITY_DN2404_c0_g1_i4          AGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGACAGTA
TRINITY_DN2404_c0_g1_i2          AGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGACAGTA
TRINITY_DN2404_c0_g1_i1          AGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGACAGTA
TRINITY_DN2404_c0_g1_i3          AGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGACAGTA
TRINITY_DN2570_c0_g3_i4          AGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGACAGTA
TRINITY_DN2570_c0_g3_i3          AGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGACAGTA
TRINITY_DN2570_c0_g3_i2          AGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGACAGTA
TRINITY_DN2570_c0_g3_i1          AGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGACAGTA
TRINITY_DN32_c0_g1_i1            AGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGACAGTA
TRINITY_DN32_c0_g1_i2            AGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGACAGTA
TRINITY_DN32_c0_g1_i4            AGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGACAGTA
TRINITY_DN32_c0_g1_i3            AGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGACAGTA
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MpDNV_DNA_RNA_seq_consensus      AACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCCAGAA
TRINITY_DN2404_c0_g1_i4          AACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCCAGAA
TRINITY_DN2404_c0_g1_i2          AACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCCAGAA
TRINITY_DN2404_c0_g1_i1          AACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCCAGAA
TRINITY_DN2404_c0_g1_i3          AACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCCAGAA
TRINITY_DN2570_c0_g3_i4          AACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCCAGAA
TRINITY_DN2570_c0_g3_i3          AACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCCAGAA
TRINITY_DN2570_c0_g3_i2          AACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCCAGAA
TRINITY_DN2570_c0_g3_i1          AACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCCAGAA
TRINITY_DN32_c0_g1_i1            AACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCCAGAA
TRINITY_DN32_c0_g1_i2            AACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCCAGAA
TRINITY_DN32_c0_g1_i4            AACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCCAGAA
TRINITY_DN32_c0_g1_i3            AACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCCAGAA
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MpDNV_DNA_RNA_seq_consensus      TTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTTCATG
TRINITY_DN2404_c0_g1_i4          TTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTTCATG
TRINITY_DN2404_c0_g1_i2          TTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTTCATG
TRINITY_DN2404_c0_g1_i1          TTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTTCATG
TRINITY_DN2404_c0_g1_i3          TTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTTCATG
TRINITY_DN2570_c0_g3_i4          TTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTTCATG
TRINITY_DN2570_c0_g3_i3          TTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTTCATG
TRINITY_DN2570_c0_g3_i2          TTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTTCATG
TRINITY_DN2570_c0_g3_i1          TTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTTCATG
TRINITY_DN32_c0_g1_i1            TTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTTCATG
TRINITY_DN32_c0_g1_i2            TTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTTCATG
TRINITY_DN32_c0_g1_i4            TTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTTCATG
TRINITY_DN32_c0_g1_i3            TTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTTCATG
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MpDNV_DNA_RNA_seq_consensus      TAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTGACCG
TRINITY_DN2404_c0_g1_i4          TAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTGACCG
TRINITY_DN2404_c0_g1_i2          TAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTGACCG
TRINITY_DN2404_c0_g1_i1          TAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTGACCG
TRINITY_DN2404_c0_g1_i3          TAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTGACCG
TRINITY_DN2570_c0_g3_i4          TAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTGACCG
TRINITY_DN2570_c0_g3_i3          TAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTGACCG
TRINITY_DN2570_c0_g3_i2          TAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTGACCG
TRINITY_DN2570_c0_g3_i1          TAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTGACCG
TRINITY_DN32_c0_g1_i1            TAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTGACCG
TRINITY_DN32_c0_g1_i2            TAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTGACCG
TRINITY_DN32_c0_g1_i4            TAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTGACCG
TRINITY_DN32_c0_g1_i3            TAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTGACCG
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MpDNV_DNA_RNA_seq_consensus      TACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGGATCC
TRINITY_DN2404_c0_g1_i4          TACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGGATCC
TRINITY_DN2404_c0_g1_i2          TACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGGATCC
TRINITY_DN2404_c0_g1_i1          TACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGGATCC
TRINITY_DN2404_c0_g1_i3          TACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGGATCC
TRINITY_DN2570_c0_g3_i4          TACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGGATCC
TRINITY_DN2570_c0_g3_i3          TACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGGATCC
TRINITY_DN2570_c0_g3_i2          TACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGGATCC
TRINITY_DN2570_c0_g3_i1          TACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGGATCC
TRINITY_DN32_c0_g1_i1            TACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGGATCC
TRINITY_DN32_c0_g1_i2            TACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGGATCC
TRINITY_DN32_c0_g1_i4            TACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGGATCC
TRINITY_DN32_c0_g1_i3            TACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGGATCC
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MpDNV_DNA_RNA_seq_consensus      ATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAAATTC
TRINITY_DN2404_c0_g1_i4          ATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAAATTC
TRINITY_DN2404_c0_g1_i2          ATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAAATTC
TRINITY_DN2404_c0_g1_i1          ATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAAATTC
TRINITY_DN2404_c0_g1_i3          ATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAAATTC
TRINITY_DN2570_c0_g3_i4          ATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAAATTC
TRINITY_DN2570_c0_g3_i3          ATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAAATTC
TRINITY_DN2570_c0_g3_i2          ATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAAATTC
TRINITY_DN2570_c0_g3_i1          ATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAAATTC
TRINITY_DN32_c0_g1_i1            ATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAAATTC
TRINITY_DN32_c0_g1_i2            ATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAAATTC
TRINITY_DN32_c0_g1_i4            ATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAAATTC
TRINITY_DN32_c0_g1_i3            ATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAAATTC
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MpDNV_DNA_RNA_seq_consensus      AAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGTAGAG
TRINITY_DN2404_c0_g1_i4          AAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGTAGAG
TRINITY_DN2404_c0_g1_i2          AAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGTAGAG
TRINITY_DN2404_c0_g1_i1          AAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGTAGAG
TRINITY_DN2404_c0_g1_i3          AAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGTAGAG
TRINITY_DN2570_c0_g3_i4          AAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGTAGAG
TRINITY_DN2570_c0_g3_i3          AAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGTAGAG
TRINITY_DN2570_c0_g3_i2          AAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGTAGAG
TRINITY_DN2570_c0_g3_i1          AAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGTAGAG
TRINITY_DN32_c0_g1_i1            AAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGTAGAG
TRINITY_DN32_c0_g1_i2            AAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGTAGAG
TRINITY_DN32_c0_g1_i4            AAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGTAGAG
TRINITY_DN32_c0_g1_i3            AAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGTAGAG
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MpDNV_DNA_RNA_seq_consensus      CTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTCAGTG
TRINITY_DN2404_c0_g1_i4          CTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTCAGTG
TRINITY_DN2404_c0_g1_i2          CTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTCAGTG
TRINITY_DN2404_c0_g1_i1          CTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTCAGTG
TRINITY_DN2404_c0_g1_i3          CTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTCAGTG
TRINITY_DN2570_c0_g3_i4          CTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTCAGTG
TRINITY_DN2570_c0_g3_i3          CTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTCAGTG
TRINITY_DN2570_c0_g3_i2          CTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTCAGTG
TRINITY_DN2570_c0_g3_i1          CTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTCAGTG
TRINITY_DN32_c0_g1_i1            CTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTCAGTG
TRINITY_DN32_c0_g1_i2            CTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTCAGTG
TRINITY_DN32_c0_g1_i4            CTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTCAGTG
TRINITY_DN32_c0_g1_i3            CTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTCAGTG
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MpDNV_DNA_RNA_seq_consensus      CATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGGTTGG
TRINITY_DN2404_c0_g1_i4          CATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGGTTGG
TRINITY_DN2404_c0_g1_i2          CATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGGTTGG
TRINITY_DN2404_c0_g1_i1          CATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGGTTGG
TRINITY_DN2404_c0_g1_i3          CATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGGTTGG
TRINITY_DN2570_c0_g3_i4          CATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGGTTGG
TRINITY_DN2570_c0_g3_i3          CATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGGTTGG
TRINITY_DN2570_c0_g3_i2          CATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGGTTGG
TRINITY_DN2570_c0_g3_i1          CATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGGTTGG
TRINITY_DN32_c0_g1_i1            CATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGGTTGG
TRINITY_DN32_c0_g1_i2            CATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGGTTGG
TRINITY_DN32_c0_g1_i4            CATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGGTTGG
TRINITY_DN32_c0_g1_i3            CATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGGTTGG
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MpDNV_DNA_RNA_seq_consensus      TCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAGATAT
TRINITY_DN2404_c0_g1_i4          TCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAGATAT
TRINITY_DN2404_c0_g1_i2          TCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAGATAT
TRINITY_DN2404_c0_g1_i1          TCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAGATAT
TRINITY_DN2404_c0_g1_i3          TCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAGATAT
TRINITY_DN2570_c0_g3_i4          TCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAGATAT
TRINITY_DN2570_c0_g3_i3          TCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAGATAT
TRINITY_DN2570_c0_g3_i2          TCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAGATAT
TRINITY_DN2570_c0_g3_i1          TCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAGATAT
TRINITY_DN32_c0_g1_i1            TCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAGATAT
TRINITY_DN32_c0_g1_i2            TCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAGATAT
TRINITY_DN32_c0_g1_i4            TCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAGATAT
TRINITY_DN32_c0_g1_i3            TCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAGATAT
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MpDNV_DNA_RNA_seq_consensus     CGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAACCATA
TRINITY_DN2404_c0_g1_i4         CGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAACCATA
TRINITY_DN2404_c0_g1_i2         CGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAACCATA
TRINITY_DN2404_c0_g1_i1         CGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAACCATA
TRINITY_DN2404_c0_g1_i3         CGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAACCATA
TRINITY_DN2570_c0_g3_i4         CGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAACCATA
TRINITY_DN2570_c0_g3_i3         CGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAACCATA
TRINITY_DN2570_c0_g3_i2         CGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAACCATA
TRINITY_DN2570_c0_g3_i1         CGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAACCATA
TRINITY_DN32_c0_g1_i1           CGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAACCATA
TRINITY_DN32_c0_g1_i2           CGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAACCATA
TRINITY_DN32_c0_g1_i4           CGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAACCATA
TRINITY_DN32_c0_g1_i3           CGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAACCATA
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MpDNV_DNA_RNA_seq_consensus     GTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGGATTG
TRINITY_DN2404_c0_g1_i4         GTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGGATTG
TRINITY_DN2404_c0_g1_i2         GTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGGATTG
TRINITY_DN2404_c0_g1_i1         GTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGGATTG
TRINITY_DN2404_c0_g1_i3         GTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGGATTG
TRINITY_DN2570_c0_g3_i4         GTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGGATTG
TRINITY_DN2570_c0_g3_i3         GTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGGATTG
TRINITY_DN2570_c0_g3_i2         GTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGGATTG
TRINITY_DN2570_c0_g3_i1         GTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGGATTG
TRINITY_DN32_c0_g1_i1           GTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGGATTG
TRINITY_DN32_c0_g1_i2           GTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGGATTG
TRINITY_DN32_c0_g1_i4           GTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGGATTG
TRINITY_DN32_c0_g1_i3           GTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGGATTG
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MpDNV_DNA_RNA_seq_consensus     CCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACCCGCA
TRINITY_DN2404_c0_g1_i4         CCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACCCGCA
TRINITY_DN2404_c0_g1_i2         CCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACCCGCA
TRINITY_DN2404_c0_g1_i1         CCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACCCGCA
TRINITY_DN2404_c0_g1_i3         CCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACCCGCA
TRINITY_DN2570_c0_g3_i4         CCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACCCGCA
TRINITY_DN2570_c0_g3_i3         CCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACCCGCA
TRINITY_DN2570_c0_g3_i2         CCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACCCGCA
TRINITY_DN2570_c0_g3_i1         CCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACCCGCA
TRINITY_DN32_c0_g1_i1           CCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACCCGCA
TRINITY_DN32_c0_g1_i2           CCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACCCGCA
TRINITY_DN32_c0_g1_i4           CCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACCCGCA
TRINITY_DN32_c0_g1_i3           CCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACCCGCA
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MpDNV_DNA_RNA_seq_consensus     CGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCCGCTA
TRINITY_DN2404_c0_g1_i4         CGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCCGCTA
TRINITY_DN2404_c0_g1_i2         CGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCCGCTA
TRINITY_DN2404_c0_g1_i1         CGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCCGCTA
TRINITY_DN2404_c0_g1_i3         CGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCCGCTA
TRINITY_DN2570_c0_g3_i4         CGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCCGCTA
TRINITY_DN2570_c0_g3_i3         CGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCCGCTA
TRINITY_DN2570_c0_g3_i2         CGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCCGCTA
TRINITY_DN2570_c0_g3_i1         CGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCCGCTA
TRINITY_DN32_c0_g1_i1           CGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCCGCTA
TRINITY_DN32_c0_g1_i2           CGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCCGCTA
TRINITY_DN32_c0_g1_i4           CGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCCGCTA
TRINITY_DN32_c0_g1_i3           CGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCCGCTA
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MpDNV_DNA_RNA_seq_consensus     GAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTCCGGG
TRINITY_DN2404_c0_g1_i4  APFV-11 GAGCTTGCCATGGATCCCGATACGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTCCGGG
TRINITY_DN2404_c0_g1_i2         GAGCTTGCCATGGATCCCGATACGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTCCGGG
TRINITY_DN2404_c0_g1_i1         GAGCTTGCCATGGATCCCGATACGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTCCGGG
TRINITY_DN2404_c0_g1_i3         GAGCTTGCCATGGATCCCGATACGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTCCGGG
TRINITY_DN2570_c0_g3_i4         GAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTCCGGG
TRINITY_DN2570_c0_g3_i3         GAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTCCGGG
TRINITY_DN2570_c0_g3_i2         GAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTCCGGG
TRINITY_DN2570_c0_g3_i1         GAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTCCGGG
TRINITY_DN32_c0_g1_i1           GAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTCCGGG
TRINITY_DN32_c0_g1_i2           GAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTCCGGG
TRINITY_DN32_c0_g1_i4           GAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTCCGGG
TRINITY_DN32_c0_g1_i3           GAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTCCGGG
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MpDNV_DNA_RNA_seq_consensus     GCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTTACCG
TRINITY_DN2404_c0_g1_i4         GCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTTACCG
TRINITY_DN2404_c0_g1_i2         GCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTTACCG
TRINITY_DN2404_c0_g1_i1         GCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTTACCG
TRINITY_DN2404_c0_g1_i3         GCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTTACCG
TRINITY_DN2570_c0_g3_i4         GCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTTACCG
TRINITY_DN2570_c0_g3_i3         GCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTTACCG
TRINITY_DN2570_c0_g3_i2         GCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTTACCG
TRINITY_DN2570_c0_g3_i1         GCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTTACCG
TRINITY_DN32_c0_g1_i1           GCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTTACCG
TRINITY_DN32_c0_g1_i2           GCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTTACCG
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TRINITY_DN32_c0_g1_i4           GCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTTACCG
TRINITY_DN32_c0_g1_i3           GCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTTACCG
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MpDNV_DNA_RNA_seq_consensus     TCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGGTAAT 3'splice site
TRINITY_DN2404_c0_g1_i4         TCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGGTAAT VP unspliced
TRINITY_DN2404_c0_g1_i2         TCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------------- VP spliced 1
TRINITY_DN2404_c0_g1_i1         TCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------------- VP spliced 1
TRINITY_DN2404_c0_g1_i3         TCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGGTAAT VP unspliced
TRINITY_DN2570_c0_g3_i4         TCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGGTAAT VP unspliced
TRINITY_DN2570_c0_g3_i3         TCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------------- VP spliced 1
TRINITY_DN2570_c0_g3_i2         TCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGGTAAT VP unspliced
TRINITY_DN2570_c0_g3_i1         TCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------------- VP spliced 1
TRINITY_DN32_c0_g1_i1           TCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------------- VP spliced 1
TRINITY_DN32_c0_g1_i2           TCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGGTAAT VP unspliced
TRINITY_DN32_c0_g1_i4           TCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGGTAAT VP unspliced
TRINITY_DN32_c0_g1_i3           TCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------------- VP spliced 1
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MpDNV_DNA_RNA_seq_consensus     GAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGAATTT
TRINITY_DN2404_c0_g1_i4         GAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGAATTT
TRINITY_DN2404_c0_g1_i2         ------------------------------------------------------------
TRINITY_DN2404_c0_g1_i1         ------------------------------------------------------------
TRINITY_DN2404_c0_g1_i3         GAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGAATTT
TRINITY_DN2570_c0_g3_i4         GAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGAATTT
TRINITY_DN2570_c0_g3_i3         ------------------------------------------------------------
TRINITY_DN2570_c0_g3_i2         GAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGAATTT
TRINITY_DN2570_c0_g3_i1         ------------------------------------------------------------
TRINITY_DN32_c0_g1_i1           ------------------------------------------------------------
TRINITY_DN32_c0_g1_i2           GAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGAATTT
TRINITY_DN32_c0_g1_i4           GAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGAATTT
TRINITY_DN32_c0_g1_i3           ------------------------------------------------------------

MpDNV_DNA_RNA_seq_consensus     AAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCGCATA
TRINITY_DN2404_c0_g1_i4         AAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCGCATA
TRINITY_DN2404_c0_g1_i2         ------------------------------------------------------------
TRINITY_DN2404_c0_g1_i1         ------------------------------------------------------------
TRINITY_DN2404_c0_g1_i3         AAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCGCATA
TRINITY_DN2570_c0_g3_i4         AAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCGCATA
TRINITY_DN2570_c0_g3_i3         ------------------------------------------------------------
TRINITY_DN2570_c0_g3_i2         AAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCGCATA
TRINITY_DN2570_c0_g3_i1         ------------------------------------------------------------
TRINITY_DN32_c0_g1_i1           ------------------------------------------------------------
TRINITY_DN32_c0_g1_i2           AAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCGCATA
TRINITY_DN32_c0_g1_i4           AAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCGCATA
TRINITY_DN32_c0_g1_i3           ------------------------------------------------------------

MpDNV_DNA_RNA_seq_consensus     CTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGCTAGT 5'splice site
TRINITY_DN2404_c0_g1_i4         CTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGCTAGT VP unspliced
TRINITY_DN2404_c0_g1_i2         -----GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGCTAGT VP spliced 1
TRINITY_DN2404_c0_g1_i1         -----GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGCTAGT VP spliced 1
TRINITY_DN2404_c0_g1_i3         CTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGCTAGT VP unspliced
TRINITY_DN2570_c0_g3_i4         CTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGCTAGT VP unspliced
TRINITY_DN2570_c0_g3_i3         -----GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGCTAGT VP spliced 1
TRINITY_DN2570_c0_g3_i2         CTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGCTAGT VP unspliced
TRINITY_DN2570_c0_g3_i1         -----GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGCTAGT VP spliced 1
TRINITY_DN32_c0_g1_i1           -----GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGCTAGT VP spliced 1
TRINITY_DN32_c0_g1_i2           CTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGCTAGT VP unspliced
TRINITY_DN32_c0_g1_i4           CTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGCTAGT VP unspliced
TRINITY_DN32_c0_g1_i3           -----GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGCTAGT VP spliced 1
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MpDNV_DNA_RNA_seq_consensus     GTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTAAATC
TRINITY_DN2404_c0_g1_i4         GTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTAAATC
TRINITY_DN2404_c0_g1_i2         GTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTAAATC
TRINITY_DN2404_c0_g1_i1         GTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTAAATC
TRINITY_DN2404_c0_g1_i3         GTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTAAATC
TRINITY_DN2570_c0_g3_i4         GTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTAAATC
TRINITY_DN2570_c0_g3_i3         GTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTAAATC
TRINITY_DN2570_c0_g3_i2         GTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTAAATC
TRINITY_DN2570_c0_g3_i1         GTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTAAATC
TRINITY_DN32_c0_g1_i1           GTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTAAATC
TRINITY_DN32_c0_g1_i2           GTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTAAATC
TRINITY_DN32_c0_g1_i4           GTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTAAATC
TRINITY_DN32_c0_g1_i3           GTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTAAATC
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MpDNV_DNA_RNA_seq_consensus     GACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGTCGCT
TRINITY_DN2404_c0_g1_i4         GACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGTCGCT
TRINITY_DN2404_c0_g1_i2         GACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGTCGCT
TRINITY_DN2404_c0_g1_i1         GACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGTCGCT
TRINITY_DN2404_c0_g1_i3         GACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGTCGCT
TRINITY_DN2570_c0_g3_i4         GACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGTCGCT
TRINITY_DN2570_c0_g3_i3         GACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGTCGCT
TRINITY_DN2570_c0_g3_i2         GACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGTCGCT
TRINITY_DN2570_c0_g3_i1         GACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGTCGCT
TRINITY_DN32_c0_g1_i1           GACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGTCGCT
TRINITY_DN32_c0_g1_i2           GACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGTCGCT
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TRINITY_DN32_c0_g1_i4            GACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGTCGCT
TRINITY_DN32_c0_g1_i3            GACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGTCGCT
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MpDNV_DNA_RNA_seq_consensus      GACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGCTAAC
TRINITY_DN2404_c0_g1_i4          GACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGCTAAC
TRINITY_DN2404_c0_g1_i2          GACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGCTAAC
TRINITY_DN2404_c0_g1_i1          GACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGCTAAC
TRINITY_DN2404_c0_g1_i3          GACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGCTAAC
TRINITY_DN2570_c0_g3_i4          GACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGCTAAC
TRINITY_DN2570_c0_g3_i3          GACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGCTAAC
TRINITY_DN2570_c0_g3_i2          GACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGCTAAC
TRINITY_DN2570_c0_g3_i1          GACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGCTAAC
TRINITY_DN32_c0_g1_i1            GACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGCTAAC
TRINITY_DN32_c0_g1_i2            GACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGCTAAC
TRINITY_DN32_c0_g1_i4            GACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGCTAAC
TRINITY_DN32_c0_g1_i3            GACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGCTAAC
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MpDNV_DNA_RNA_seq_consensus      ATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCACTAGT
TRINITY_DN2404_c0_g1_i4 APFV-11   ATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCACTAGT
TRINITY_DN2404_c0_g1_i2          ATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCACTAGT
TRINITY_DN2404_c0_g1_i1          ATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCACTAGT
TRINITY_DN2404_c0_g1_i3          ATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCACTAGT
TRINITY_DN2570_c0_g3_i4 APFV-13   ATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCACTAGT
TRINITY_DN2570_c0_g3_i3          ATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCACTAGT
TRINITY_DN2570_c0_g3_i2          ATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCACTAGT
TRINITY_DN2570_c0_g3_i1          ATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCACTAGT
TRINITY_DN32_c0_g1_i1   APFV-12   ATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCACTAGT
TRINITY_DN32_c0_g1_i2            ATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCACTAGT
TRINITY_DN32_c0_g1_i4            ATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCACTAGT
TRINITY_DN32_c0_g1_i3            ATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCACTAGT
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MpDNV_DNA_RNA_seq_consensus      AGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGACCCAC
TRINITY_DN2404_c0_g1_i4          AGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGACCCAC
TRINITY_DN2404_c0_g1_i2          AGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGACCCAC
TRINITY_DN2404_c0_g1_i1          AGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGACCCAC
TRINITY_DN2404_c0_g1_i3          AGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGACCCAC
TRINITY_DN2570_c0_g3_i4          AGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGACCCAC
TRINITY_DN2570_c0_g3_i3          AGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGACCCAC
TRINITY_DN2570_c0_g3_i2          AGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGACCCAC
TRINITY_DN2570_c0_g3_i1          AGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGACCCAC
TRINITY_DN32_c0_g1_i1            AGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGACCCAC
TRINITY_DN32_c0_g1_i2            AGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGACCCAC
TRINITY_DN32_c0_g1_i4            AGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGACCCAC
TRINITY_DN32_c0_g1_i3            AGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGACCCAC
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MpDNV_DNA_RNA_seq_consensus      GAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATTTAAT
TRINITY_DN2404_c0_g1_i4          GAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATTTAAT
TRINITY_DN2404_c0_g1_i2          GAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATTTAAT
TRINITY_DN2404_c0_g1_i1          GAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATTTAAT
TRINITY_DN2404_c0_g1_i3          GAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATTTAAT
TRINITY_DN2570_c0_g3_i4          GAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATTTAAT
TRINITY_DN2570_c0_g3_i3          GAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATTTAAT
TRINITY_DN2570_c0_g3_i2          GAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATTTAAT
TRINITY_DN2570_c0_g3_i1          GAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATTTAAT
TRINITY_DN32_c0_g1_i1            GAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATTTAAT
TRINITY_DN32_c0_g1_i2            GAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATTTAAT
TRINITY_DN32_c0_g1_i4            GAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATTTAAT
TRINITY_DN32_c0_g1_i3            GAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATTTAAT
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MpDNV_DNA_RNA_seq_consensus      ACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACGACAT
TRINITY_DN2404_c0_g1_i4          ACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACGACAT
TRINITY_DN2404_c0_g1_i2          ACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACGACAT
TRINITY_DN2404_c0_g1_i1          ACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACGACAT
TRINITY_DN2404_c0_g1_i3          ACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACGACAT
TRINITY_DN2570_c0_g3_i4          ACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACGACAT
TRINITY_DN2570_c0_g3_i3          ACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACGACAT
TRINITY_DN2570_c0_g3_i2          ACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACGACAT
TRINITY_DN2570_c0_g3_i1          ACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACGACAT
TRINITY_DN32_c0_g1_i1            ACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACGACAT
TRINITY_DN32_c0_g1_i2            ACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACGACAT
TRINITY_DN32_c0_g1_i4            ACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACGACAT
TRINITY_DN32_c0_g1_i3            ACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACGACAT
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MpDNV_DNA_RNA_seq_consensus      GTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGATGACG
TRINITY_DN2404_c0_g1_i4          GTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGATGACG
TRINITY_DN2404_c0_g1_i2          GTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGATGACG
TRINITY_DN2404_c0_g1_i1          GTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGATGACG
TRINITY_DN2404_c0_g1_i3          GTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGATGACG
TRINITY_DN2570_c0_g3_i4          GTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGATGACG
TRINITY_DN2570_c0_g3_i3          GTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGATGACG
TRINITY_DN2570_c0_g3_i2          GTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGATGACG
TRINITY_DN2570_c0_g3_i1          GTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGATGACG
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TRINITY_DN32_c0_g1_i1            GTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGATGACG
TRINITY_DN32_c0_g1_i2            GTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGATGACG
TRINITY_DN32_c0_g1_i4            GTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGATGACG
TRINITY_DN32_c0_g1_i3            GTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGATGACG
                                 ************************************************************

MpDNV_DNA_RNA_seq_consensus      TCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATTAAAAAGATCC 3'-ITR TATA-box
TRINITY_DN2404_c0_g1_i4  APFV-11 TCACCCCCACCCAGTCGCCCACTGGATACCCGTCTATCCCCTTACCACACAAAAAGATCC
TRINITY_DN2404_c0_g1_i2          TCACCCCCACCCAGTCGCCCACTGGATACCCGTCTATCCCCTTACCACACAAAAAGATCC
TRINITY_DN2404_c0_g1_i1          TCACCCCCACCCAGTCGCCCACTGGATACCCGTCTATCCCCTTACCACACAAAAAGATCC
TRINITY_DN2404_c0_g1_i3          TCACCCCCACCCAGTCGCCCACTGGATACCCGTCTATCCCCTTACCACACAAAAAGATCC
TRINITY_DN2570_c0_g3_i4  APFV-13 TCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAGATCC
TRINITY_DN2570_c0_g3_i3          TCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAGATCC
TRINITY_DN2570_c0_g3_i2          TCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAGATCC
TRINITY_DN2570_c0_g3_i1          TCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAGATCC
TRINITY_DN32_c0_g1_i1    APFV-12 TCACCCCCACCTAGTCGCCTACTGGATACTACTT---------------CAGGGTCATCG
TRINITY_DN32_c0_g1_i2            TCACCCCCACCTAGTCGCCTACTGGATACTACTT---------------CAGGGTCATCG
TRINITY_DN32_c0_g1_i4            TCACCCCCACCTAGTCGCCTACTGGATACTACTT---------------CAGGGTCATCG
TRINITY_DN32_c0_g1_i3            TCACCCCCACCTAGTCGCCTACTGGATACTACTT---------------CAGGGTCATCG
                                 *********** ******* *********   *                *     ***

MpDNV_DNA_RNA_seq_consensus      CCTACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATCTATA
TRINITY_DN2404_c0_g1_i4          CCC------------------------------------------------------------ VP 5'-end
TRINITY_DN2404_c0_g1_i2          CCC------------------------------------------------------------ VP 5'-end
TRINITY_DN2404_c0_g1_i1          CCC------------------------------------------------------------ VP 5'-end
TRINITY_DN2404_c0_g1_i3          CCC------------------------------------------------------------ VP 5'-end
TRINITY_DN2570_c0_g3_i4          CCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATCTATA
TRINITY_DN2570_c0_g3_i3          CCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATCTATA
TRINITY_DN2570_c0_g3_i2          CCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATCTATA
TRINITY_DN2570_c0_g3_i1          CCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATCTATA
TRINITY_DN32_c0_g1_i1            C------------------------------------------------------------ VP 5'-end
TRINITY_DN32_c0_g1_i2            C------------------------------------------------------------ VP 5'-end
TRINITY_DN32_c0_g1_i4            C------------------------------------------------------------ VP 5'-end
TRINITY_DN32_c0_g1_i3            C------------------------------------------------------------ VP 5'-end
                                 *

MpDNV_DNA_RNA_seq_consensus      CTTATTGTCAACACTAGCCTTATCTTAGGGCGTGTCGGCCGACACGTGTCATGGCCATGA
TRINITY_DN2404_c0_g1_i4          ------------------------------------------------------------
TRINITY_DN2404_c0_g1_i2          ------------------------------------------------------------
TRINITY_DN2404_c0_g1_i1          ------------------------------------------------------------
TRINITY_DN2404_c0_g1_i3          ------------------------------------------------------------
TRINITY_DN2570_c0_g3_i4          CTTATTGTCAACACTAGCCTTATCTTAGGGCTAGTGTCATGG------------------- VP 5'-end
TRINITY_DN2570_c0_g3_i3          CTTATTGTCAACACTAGCCTTATCTTAGGGCTAGTGTCATGG------------------- VP 5'-end
TRINITY_DN2570_c0_g3_i2          CTTATTGTCAACACTAGCCTTATCTTAGGGCTAGTGTCATGG------------------- VP 5'-end
TRINITY_DN2570_c0_g3_i1          CTTATTGTCAACACTAGCCTTATCTTAGGGCTAGTGTCATGG------------------- VP 5'-end
TRINITY_DN32_c0_g1_i1            ------------------------------------------------------------
TRINITY_DN32_c0_g1_i2            ------------------------------------------------------------
TRINITY_DN32_c0_g1_i4            ------------------------------------------------------------
TRINITY_DN32_c0_g1_i3            ------------------------------------------------------------
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APFV-14-15-16 (*A. thaliana* TuYV-infected)

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TRINITY_DN7_c0_g2_i1  APFV-14 ---------------------------ATAAGGCTAGTGTTGACAATAAGTATAGATAACA VP 5'-end
MpDNV_mRNA_seq_consensus      GTCATGGCCATGACACTAGCCCTAAGATAAGGCTAGTGTTGACAATAAGTATAGATAACA
TRINITY_DN266_c0_g2_i1 APFV16 ------------------------------------------------------GATAACA VP 5'-end
TRINITY_DN5346_c0_g1_i1 APFV15---------------------------------------------------------
TRINITY_DN5346_c0_g1_i2 APFV15---------------------------------------------------------


TRINITY_DN7_c0_g2_i1          A-GGATACCCCCCGCCCCCCGGAAGTAGGTAGTGGTTATTATTAGTGGGGGATCTTTTTA
MpDNV_mRNA_seq_consensus      A-GGATACCCCCCGCCCCCCGGAAGTAGGTAGTGGTTATTATTAGTAGGGGATCTTTTTA 5'ITR TATA-box
TRINITY_DN266_c0_g2_i1        AAGGATACCCCCCGCCCCCCGGAAGGAGGTAGTGGTTATTATTAGTAGGGGATCTTTTTA
TRINITY_DN5346_c0_g1_i1       ------------------------------------------------------------
TRINITY_DN5346_c0_g1_i2       ------------------------------------------------------------


TRINITY_DN7_c0_g2_i1          TATAATAAAAAGATAGGCAAGTATCCAGTAGGCGACTAGGTGGGGGTGACGTCATCACTA
MpDNV_mRNA_seq_consensus      TATAATAAAAAGATAGACAAGTATCCAGTAGGCGACTAGGTGGGGGTGACGTCATCACTA
TRINITY_DN266_c0_g2_i1        TATAATAAAAAGATAGACAAGTATCCAGTAGGCGACTAGGTGGGGGTGACGTCATCACTA
TRINITY_DN5346_c0_g1_i1       ----------------------------AGGCGACTAGGTGGGGGTGACGTCATCACTA VP 5'-end
TRINITY_DN5346_c0_g1_i2       ----------------------------AGGCGACTAGGTGGGGGTGACGTCATCACTA VP 5'-end
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TRINITY_DN7_c0_g2_i1          TTTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGT
MpDNV_mRNA_seq_consensus      TTTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGT
TRINITY_DN266_c0_g2_i1        TTTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGT
TRINITY_DN5346_c0_g1_i1       TTTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGT
TRINITY_DN5346_c0_g1_i2       TTTACTCAAGTGTTTTGTTATTCGGCGTCAAGTGTTGTGTTGACACTTGAAAAGTGGCGT
                              ************************************************************

TRINITY_DN7_c0_g2_i1   APFV14 GATTGATTATTTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA
MpDNV_mRNA_seq_consensus      GATTGATTATTTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA
TRINITY_DN266_c0_g2_i1 APFV16 GATTGATTATCTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA
TRINITY_DN5346_c0_g1_i1APFV15 GATTGATTATCTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA
TRINITY_DN5346_c0_g1_i2APFV15 GATTGATTATCTACAAGTACGTCAGATAAGATAAACATAAGTGGTACTTGACTCGGAATA
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TRINITY_DN7_c0_g2_i1          TATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAG
MpDNV_mRNA_seq_consensus      TATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAG
TRINITY_DN266_c0_g2_i1        TATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAG
TRINITY_DN5346_c0_g1_i1       TATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAG
TRINITY_DN5346_c0_g1_i2       TATAATGAAGTGTGGAACCTACAACAATATCAGTACTCATCAAAATGTCAAACTCGCAAG
                              ************************************************************

TRINITY_DN7_c0_g2_i1          AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
MpDNV_mRNA_seq_consensus      AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
TRINITY_DN266_c0_g2_i1        AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
TRINITY_DN5346_c0_g1_i1       AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
TRINITY_DN5346_c0_g1_i2       AAGTGAACCAACAACAATTCAACGACGAGGAGGAAATACCATGTGGCCAACGGTATCCTA
                              ************************************************************

TRINITY_DN7_c0_g2_i1          CAGCGGCGACGATTCAAACGGACCACCAACAGACTGGCGTGAATGGATCGACCCCGATGT
MpDNV_mRNA_seq_consensus      CAGCGGCGACGATTCAAACGGACCACCAACAGACTGGCGTGAATGGATCGACCCCGATGT
TRINITY_DN266_c0_g2_i1        CAGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGT
TRINITY_DN5346_c0_g1_i1       CAGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGT
TRINITY_DN5346_c0_g1_i2       CAGCGGCGACGATTCAAACGGACCACCAACAGAGTGGCGTGAATGGATCGACCCCGATGT
                              ********************************** **************************

TRINITY_DN7_c0_g2_i1          TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
MpDNV_mRNA_seq_consensus      TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
TRINITY_DN266_c0_g2_i1        TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
TRINITY_DN5346_c0_g1_i1       TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
TRINITY_DN5346_c0_g1_i2       TCGAACTCAAATCGACAGCGCGCAAAGAATATGGGACAGCCATTTCAGCGGACACGGCAC
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TRINITY_DN7_c0_g2_i1          TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
MpDNV_mRNA_seq_consensus      TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
TRINITY_DN266_c0_g2_i1        TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
TRINITY_DN5346_c0_g1_i1       TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
TRINITY_DN5346_c0_g1_i2       TGACACTGAAGACGCTGTGCAAAGTGTTGGAGTGCAAGGCAACGGAACTAACGGTAACAT
                              ************************************************************

TRINITY_DN7_c0_g2_i1          GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
MpDNV_mRNA_seq_consensus      GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
TRINITY_DN266_c0_g2_i1        GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
TRINITY_DN5346_c0_g1_i1       GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
TRINITY_DN5346_c0_g1_i2       GCATTATTCCTCTGATCGCGTTGCTATTACCCGACCATATGTGGTCAGAGGCGACGAGCA
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TRINITY_DN7_c0_g2_i1          GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
MpDNV_mRNA_seq_consensus      GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
TRINITY_DN266_c0_g2_i1        GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
TRINITY_DN5346_c0_g1_i1       GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
TRINITY_DN5346_c0_g1_i2       GCGATCGCTGGCGATACCGACTGAGAAACGCGACCTACTGGATTTCCAATCCAACGCGGG
                              ************************************************************

TRINITY_DN7_c0_g2_i1          AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
MpDNV_mRNA_seq_consensus      AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
TRINITY_DN266_c0_g2_i1        AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
TRINITY_DN5346_c0_g1_i1       AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
TRINITY_DN5346_c0_g1_i2       AATCCGAATATCAGGCTTTACTACGATGGATGGAGGAGAAAATGCCGATACCTTTAGCGA
                              ************************************************************

TRINITY_DN7_c0_g2_i1          AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
MpDNV_mRNA_seq_consensus      AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
TRINITY_DN266_c0_g2_i1        AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
TRINITY_DN5346_c0_g1_i1       AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
TRINITY_DN5346_c0_g1_i2       AATGGCAAGGTGCATGTCTACCGCGGTATGGGGAGGCAATGTCAGATATGTTTCTGACAT
                              ************************************************************

TRINITY_DN7_c0_g2_i1          CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
MpDNV_mRNA_seq_consensus      CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
TRINITY_DN266_c0_g2_i1        CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
TRINITY_DN5346_c0_g1_i1       CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
TRINITY_DN5346_c0_g1_i2       CCTTGTACCCGGAGGAAATTGGTCAATTAATGGAATTGTTGAGGACCTACGCCGGAGTAT
                              ************************************************************

TRINITY_DN7_c0_g2_i1          CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
MpDNV_mRNA_seq_consensus      CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
TRINITY_DN266_c0_g2_i1        CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
TRINITY_DN5346_c0_g1_i1       CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
TRINITY_DN5346_c0_g1_i2       CGCAGAGCGAATGCCAAAATGCATGTACGTCGTCAGCGAACACGGCGACCACGTCCACGT
                              ************************************************************

TRINITY_DN7_c0_g2_i1          CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
MpDNV_mRNA_seq_consensus      CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
TRINITY_DN266_c0_g2_i1        CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
TRINITY_DN5346_c0_g1_i1       CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
TRINITY_DN5346_c0_g1_i2       CGTACACACCTGTAACTACGCCACGGGCAGCTGTAGATGTAGTTTCTTACTCAACGCCGC
                              ************************************************************

TRINITY_DN7_c0_g2_i1          TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
MpDNV_mRNA_seq_consensus      TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
TRINITY_DN266_c0_g2_i1        TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
TRINITY_DN5346_c0_g1_i1       TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
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TRINITY_DN5346_c0_g1_i2       TGCTTTCCAACTATGTAGACGACGACGCATTCGAAAGAATGTTAGAGTCATCCAACTATC
                              ************************************************************

TRINITY_DN7_c0_g2_i1          AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
MpDNV_mRNA_seq_consensus      AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
TRINITY_DN266_c0_g2_i1        AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
TRINITY_DN5346_c0_g1_i1       AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
TRINITY_DN5346_c0_g1_i2       AGAAAGAGACTGGTCCCGTATCTTTCAATACTTATGTTCATCGCCCAGGAATGTCAAAGA
                              ************************************************************

TRINITY_DN7_c0_g2_i1          AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAG NS uspliced
MpDNV_mRNA_seq_consensus      AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAG 5'splice site
TRINITY_DN266_c0_g2_i1        AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAG NS uspliced
TRINITY_DN5346_c0_g1_i1       AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCA----- NS spliced
TRINITY_DN5346_c0_g1_i2       AGTGGGCGGCCAGTACTTTGATGGAGGATTACGTAGTAGATATTCACATATATCAGTTAG NS uspliced
                              ********************************************************

TRINITY_DN7_c0_g2_i1          TATTGCGTAATTTTTTTATATACTTGGATTGGTTGACGGGTATAGAAGCGAATAGATGCG
MpDNV_mRNA_seq_consensus      TATTGCGTAATTTTTTTATATACTTGGATTGGTTGACGGGTATAGAAGCGAATAGATGCG
TRINITY_DN266_c0_g2_i1        TATTGCGTAATTTTTTTATATACTTGGATTGGTTGACGGGTATAGAAGCGAATAGATGCG
TRINITY_DN5346_c0_g1_i1       -------------------------------------------------------------
TRINITY_DN5346_c0_g1_i2       TATTGCGTAATTTTTTTATATACTTGGATTGGTTGACGGGTATAGAAGCGAATAGATGCG

TRINITY_DN7_c0_g2_i1          TTTCATATATTAAAACTGGTATGCCTGGCAGGAGTTACGTTAAAAGCGTGATGCCAAAAA
MpDNV_mRNA_seq_consensus      TTTCATATATTAAAACTGGTATGCCTGGCAGGAGTTACGTTAAAAGCGTGATGCCAAAAA
TRINITY_DN266_c0_g2_i1        TTTCATATATTAAAACTGGTATGCCTGGCAGGAGTTACGTTAAAAGCGTGATGCCAAAAA
TRINITY_DN5346_c0_g1_i1       -------------------------------------------------------------
TRINITY_DN5346_c0_g1_i2       TTTCATATATTAAAACTGGTATGCCTGGCAGGAGTTACGTTAAAAGCGTGATGCCAAAAA

TRINITY_DN7_c0_g2_i1          ATTATTGGCGTAATCCTAAAGAATTTCACTTAGCGCTTGATAAATTAGAGTTGCTCGTTA
MpDNV_mRNA_seq_consensus      ATTATTGGCGTAATCCTAAAGAATTTCACTTAGCGCTTGATAAATTAGAGTTGCTCGTTA
TRINITY_DN266_c0_g2_i1        ATTATTGGCGTAATCCTAAAGAATTTCACTTAGCGCTTGATAAATTAGAGTTGCTCGTTA
TRINITY_DN5346_c0_g1_i1       -------------------------------------------------------------
TRINITY_DN5346_c0_g1_i2       ATTATTGGCGTAATCCTAAAGAATTTCACTTAGCGCTTGATAAATTAGAGTTGCTCGTTA

TRINITY_DN7_c0_g2_i1          AACGACATTTCGGTGATTTCACGTGTTTGGAAAATTTTTTACCGCAATATCGTTGGCATA
MpDNV_mRNA_seq_consensus      AACGACATTTCGGTGATTTCACGTGTTTGGAAAATTTTTTACCGCAATATCGTTGGCATA
TRINITY_DN266_c0_g2_i1        AACGACATTTCGGTGATTTCACGTGTTTGGAAAATTTTTTACCGCAATATCGTTGGCATA
TRINITY_DN5346_c0_g1_i1       -------------------------------------------------------------
TRINITY_DN5346_c0_g1_i2       AACGACATTTCGGTGATTTCACGTGTTTGGAAAATTTTTTACCGCAATATCGTTGGCATA

TRINITY_DN7_c0_g2_i1          ATTGCATCACATGGTTTGTGAACGTGATGTCCTGTCCGTTGGACCCGTGGACTGTCGAAT
MpDNV_mRNA_seq_consensus      ATTGCATCACATGGTTTGTGAACGTGATGTCCTGTCCGTTGGACCCGTGGACTGTCGAAT
TRINITY_DN266_c0_g2_i1        ATTGCATCACATGGTTTGTGAACGTGATGTCCTGTCCGTTGGACCCGTGGACTGTCGAAT
TRINITY_DN5346_c0_g1_i1       -------------------------------------------------------------
TRINITY_DN5346_c0_g1_i2       ATTGCATCACATGGTTTGTGAACGTGATGTCCTGTCCGTTGGACCCGTGGACTGTCGAAT

TRINITY_DN7_c0_g2_i1          GTGCTGGTTGTGGTTTTCAACATATTCCTAATATATCTAAATGCGAACTACTACGAGACT
MpDNV_mRNA_seq_consensus      GTGCTGGTTGTGGTTTTCAACATATTCCTAATATATCTAAATGCGAACTACTACGAGACT
TRINITY_DN266_c0_g2_i1        GTGCTGGTTGTGGTTTTCAACATATTCCTAATATATCTAAATGCGAACTACTACGAGACT
TRINITY_DN5346_c0_g1_i1       -------------------------------------------------------------
TRINITY_DN5346_c0_g1_i2       GTGCTGGTTGTGGTTTTCAACATATTCCTAATATATCTAAATGCGAACTACTACGAGACT

TRINITY_DN7_c0_g2_i1          ATCCGTTCATGAACGAGGGCACTATAAATCATATACTAATCGAATGCATTAAAATTTACA
MpDNV_mRNA_seq_consensus      ATCCGTTCATGAACGAGGGCACTATAAATCATATACTAATCGAATGCATTAAAATTTACA
TRINITY_DN266_c0_g2_i1        ATCCGTTCATGAACGAGGGCACTATAAATCATATACTAATCGAATGCATTAAAATTTACA
TRINITY_DN5346_c0_g1_i1       -------------------------------------------------------------
TRINITY_DN5346_c0_g1_i2       ATCCGTTCATGAACGAGGGCACTATAAATCATATACTAATCGAATGCATTAAAATTTACA

TRINITY_DN7_c0_g2_i1          AACAGGAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC NS uspliced
MpDNV_mRNA_seq_consensus      AACAGGAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC 5'splice site
TRINITY_DN266_c0_g2_i1        AACAGGAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC NS uspliced
TRINITY_DN5346_c0_g1_i1       -----GAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC NS spliced
TRINITY_DN5346_c0_g1_i2       AACAGGAAGGATCAAATACAGAATGTCGACCCGAACGATTGGTGGAAACATGCCTTCTGC NS uspliced
                                   ****************************************************

TRINITY_DN7_c0_g2_i1          AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
MpDNV_mRNA_seq_consensus      AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
TRINITY_DN266_c0_g2_i1        AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
TRINITY_DN5346_c0_g1_i1       AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
TRINITY_DN5346_c0_g1_i2       AGGGCTCGGGGGAGCTTCAATCTGAACAGTCCATACGTGAAAATGGCCAAAACCATACAA
                              ************************************************************

TRINITY_DN7_c0_g2_i1          CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
MpDNV_mRNA_seq_consensus      CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
TRINITY_DN266_c0_g2_i1        CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
TRINITY_DN5346_c0_g1_i1       CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
TRINITY_DN5346_c0_g1_i2       CAGGAAGTGTTTCGCAGGATGACCAAGATGGAGTACAAGATAACGGATCCACAAATGTTT
                              ************************************************************

TRINITY_DN7_c0_g2_i1          TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
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MpDNV_mRNA_seq_consensus       TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
TRINITY_DN266_c0_g2_i1         TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
TRINITY_DN5346_c0_g1_i1        TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
TRINITY_DN5346_c0_g1_i2        TTCAAGAAGAAGAAGAGGGCAGCCAAGAGGGCCCGCGGCAAAAGAAGTCGCGACGGAAGC
                               ************************************************************

TRINITY_DN7_c0_g2_i1           AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
MpDNV_mRNA_seq_consensus       AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
TRINITY_DN266_c0_g2_i1         AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
TRINITY_DN5346_c0_g1_i1        AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
TRINITY_DN5346_c0_g1_i2        AGCGATTCCGAATGATTAGGGAAATAGATGTTAGTAAACCGCAATCTATCGAAGAACTTA
                               ************************************************************

TRINITY_DN7_c0_g2_i1           TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
MpDNV_mRNA_seq_consensus       TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
TRINITY_DN266_c0_g2_i1         TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
TRINITY_DN5346_c0_g1_i1        TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
TRINITY_DN5346_c0_g1_i2        TATATAGGTATCCTTGTTGCCCCCCGGAAGCTTTCTATAACATTCCCGAATTTTACGCTA
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TRINITY_DN7_c0_g2_i1           ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
MpDNV_mRNA_seq_consensus       ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
TRINITY_DN266_c0_g2_i1         ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
TRINITY_DN5346_c0_g1_i1        ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
TRINITY_DN5346_c0_g1_i2        ATACAAATATAAACTGGATAGACATGAAAGATTTTAAAGTAACGATACCGTTACGTAATT
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TRINITY_DN7_c0_g2_i1           GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
MpDNV_mRNA_seq_consensus       GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
TRINITY_DN266_c0_g2_i1         GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
TRINITY_DN5346_c0_g1_i1        GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
TRINITY_DN5346_c0_g1_i2        GGGCGGCCACTTTACGCAGATGGTCTATTCATGATTTCAATAAATATTATAATGACTCTA
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TRINITY_DN7_c0_g2_i1           CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
MpDNV_mRNA_seq_consensus       CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
TRINITY_DN266_c0_g2_i1         CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
TRINITY_DN5346_c0_g1_i1        CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
TRINITY_DN5346_c0_g1_i2        CAGTTTTTCCATATTTCAACGCGTACGGTTCAGATATTTGCAATATGTATTACAGTATTT
                               ************************************************************

TRINITY_DN7_c0_g2_i1           CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
MpDNV_mRNA_seq_consensus       CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
TRINITY_DN266_c0_g2_i1         CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
TRINITY_DN5346_c0_g1_i1        CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
TRINITY_DN5346_c0_g1_i2        CGGAGAGTCTGACAATAGCAAAAGAATTACTCAACTATCAATTTGGCGATGACCCTGAAG
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TRINITY_DN7_c0_g2_i1           TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
MpDNV_mRNA_seq_consensus       TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
TRINITY_DN266_c0_g2_i1         TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
TRINITY_DN5346_c0_g1_i1        TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
TRINITY_DN5346_c0_g1_i2        TAGTAATTGAATTTTTAACAACACTATATAATGTCATAGACAAAAGAGTTCCGAAATTAA
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TRINITY_DN7_c0_g2_i1           ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
MpDNV_mRNA_seq_consensus       ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
TRINITY_DN266_c0_g2_i1         ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
TRINITY_DN5346_c0_g1_i1        ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
TRINITY_DN5346_c0_g1_i2        ATAGTATATGTATAAAAAGTCCCCCTTCGGCAGGTAAGAACTTTTTTTTCGATGCCGTTG
                               ************************************************************

TRINITY_DN7_c0_g2_i1           CATCGTATTTGCTTTCATATGGCATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
MpDNV_mRNA_seq_consensus       CATCGTATTTGCTTTCATATGGTATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
TRINITY_DN266_c0_g2_i1 APFV16  CATCGTATTTGCTTTCATATGGTATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
TRINITY_DN5346_c0_g1_i1        CATCGTATTTGCTTTCATATGGCATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
TRINITY_DN5346_c0_g1_i2        CATCGTATTTGCTTTCATATGGCATGTTCGGTACAGCCAATAAAAACAATAATTTTTCGT
                               ********************* ************************************

TRINITY_DN7_c0_g2_i1           GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
MpDNV_mRNA_seq_consensus       GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
TRINITY_DN266_c0_g2_i1         GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
TRINITY_DN5346_c0_g1_i1        GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
TRINITY_DN5346_c0_g1_i2        GGGCAGACGGAGCGGGTAAACGATTAGTTCTGTGGAACGAACCAAACTATGAACAATACC
                               ************************************************************

TRINITY_DN7_c0_g2_i1           ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
MpDNV_mRNA_seq_consensus       ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
TRINITY_DN266_c0_g2_i1         ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
TRINITY_DN5346_c0_g1_i1        ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
TRINITY_DN5346_c0_g1_i2        ATATAGAAAAAATAAAAGAACTTTTGGGGGGAGATACAACAAGAATACATGTCAAATATG
                               ************************************************************

TRINITY_DN7_c0_g2_i1           CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
MpDNV_mRNA_seq_consensus       CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
TRINITY_DN266_c0_g2_i1         CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
TRINITY_DN5346_c0_g1_i1        CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
TRINITY_DN5346_c0_g1_i2        CAAACGACGTTAGTGTGCAAAGGGTACCCATTATTATATTAACAAATAACCACTTGAATA
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TRINITY_DN7_c0_g2_i1             TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
MpDNV_mRNA_seq_consensus         TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
TRINITY_DN266_c0_g2_i1           TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
TRINITY_DN5346_c0_g1_i1          TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
TRINITY_DN5346_c0_g1_i2          TTATTAGTCACCCAGCTTTTAACGATAGATTGCGGAGTTACGAATGGATGTCAGCTGGCT
                                 ************************************************************

TRINITY_DN7_c0_g2_i1             TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
MpDNV_mRNA_seq_consensus         TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
TRINITY_DN266_c0_g2_i1           TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
TRINITY_DN5346_c0_g1_i1          TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
TRINITY_DN5346_c0_g1_i2          TCTTGAAGGACTACGATAAAAAACTGCATCCGCTTATGTTTTATGAATTACTTAAAGATT
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TRINITY_DN7_c0_g2_i1  APFV14     ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATAAAAAAAAAAAAAAA
MpDNV_mRNA_seq_consensus         ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATATTGATTTTT NS poly(A)
TRINITY_DN266_c0_g2_i1 APFV16    ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATATTGATTTTT
TRINITY_DN5346_c0_g1_i1APFV15    ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATAAAAAAAAAA--- tail
TRINITY_DN5346_c0_g1_i2          ATGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATAAAAAAAAAA--- tail
                                 ******************************************* * * *

TRINITY_DN7_c0_g2_i1             AATTCAAAAAAAAAAAAAAAAA------------------------------------- tail
MpDNV_mRNA_seq_consensus         ATTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACA
TRINITY_DN266_c0_g2_i1           ATTTACGTAAAAAAAAAA---------------------------------------- tail
TRINITY_DN5346_c0_g1_i1          ------------------------------------------------------------
TRINITY_DN5346_c0_g1_i2          ------------------------------------------------------------

TRINITY_DN266_c0_g1_i1APFV-16    -------------TTTTTTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTA tail
TRINITY_DN266_c0_g1_i2           -------------TTTTTTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTA tail
TRINITY_DN266_c0_g1_i4           -------------TTTTTTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTA tail
TRINITY_DN266_c0_g1_i3           -------------TTTTTTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTA tail
MpDNV_mRNA_seq_consensus         TGGTGTAATAAATGATAACAATATGATTGATTAATATATATATATATATTGATTTTTA VP poly(A)
TRINITY_DN7_c0_g1_i4  APFV-14    -------------TTTTTTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTA tail
TRINITY_DN7_c0_g1_i2             -------------TTTTTTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTA tail
TRINITY_DN7_c0_g1_i1             -------------TTTTTTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTA tail
TRINITY_DN7_c0_g1_i3             -------------TTTTTTTTTTTTTTTTGATTAATATATATATATATATATTGATTTTTA tail
TRINITY_DN18_c0_g1_i1 APFV-15    -------------------TTTTTTTTTGATTAATATATATATATATATATTGATTTTTA tail
TRINITY_DN18_c0_g1_i2            -------------------TTTTTTTTTGATTAATATATATATATATATATTGATTTTTA tail
TRINITY_DN18_c0_g1_i4            -------------------TTTTTTTTTGATTAATATATATATATATATATTGATTTTTA tail
TRINITY_DN18_c0_g1_i3            -------------------TTTTTTTTTGATTAATATATATATATATATATTGATTTTTA tail
                                                    **********************************

TRINITY_DN266_c0_g1_i1           TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN266_c0_g1_i2           TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN266_c0_g1_i4           TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN266_c0_g1_i3           TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
MpDNV_mRNA_seq_consensus         TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN7_c0_g1_i4             TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN7_c0_g1_i2             TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN7_c0_g1_i1             TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN7_c0_g1_i3             TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN18_c0_g1_i1            TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN18_c0_g1_i2            TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN18_c0_g1_i4            TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
TRINITY_DN18_c0_g1_i3            TTTACGTAAAAAATCTACAGGTTCATTGACAATGGGTATATTCATTGACCTTCGCCACAA
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TRINITY_DN266_c0_g1_i1           TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN266_c0_g1_i2           TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN266_c0_g1_i4           TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN266_c0_g1_i3           TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
MpDNV_mRNA_seq_consensus         TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN7_c0_g1_i4             TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN7_c0_g1_i2             TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN7_c0_g1_i1             TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN7_c0_g1_i3             TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN18_c0_g1_i1            TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN18_c0_g1_i2            TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN18_c0_g1_i4            TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
TRINITY_DN18_c0_g1_i3            TGTTAAATCACGGCAAAAAGCTAAATACGTTGAATATGACTTGAACAATCGTTCCTCTGG
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TRINITY_DN266_c0_g1_i1           CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN266_c0_g1_i2           CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN266_c0_g1_i4           CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN266_c0_g1_i3           CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
MpDNV_mRNA_seq_consensus         CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN7_c0_g1_i4             CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN7_c0_g1_i2             CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN7_c0_g1_i1             CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN7_c0_g1_i3             CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN18_c0_g1_i1            CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN18_c0_g1_i2            CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN18_c0_g1_i4            CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
TRINITY_DN18_c0_g1_i3            CCACCAATTCGGATTATTGTAGTCGCCCCAAGAAGTGTTCATGATTTCTTCGGTTGTGGG
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TRINITY_DN266_c0_g1_i1           TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN266_c0_g1_i2           TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN266_c0_g1_i4           TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN266_c0_g1_i3           TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
MpDNV_mRNA_seq_consensus         TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN7_c0_g1_i4             TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN7_c0_g1_i2             TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN7_c0_g1_i1             TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN7_c0_g1_i3             TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN18_c0_g1_i1            TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN18_c0_g1_i2            TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN18_c0_g1_i4            TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
TRINITY_DN18_c0_g1_i3            TGGAGTAGTGGTATATCGATGCAAATTAATTAGGGTTTCTTTTGACGCACGATCACTTTC
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TRINITY_DN266_c0_g1_i1           TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA VP unspliced
TRINITY_DN266_c0_g1_i2           TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA VP unspliced
TRINITY_DN266_c0_g1_i4           T------------------------------------------------------------ VP spliced 2
TRINITY_DN266_c0_g1_i3           T------------------------------------------------------------ VP spliced 2
MpDNV_mRNA_seq_consensus         TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA 3'splice site
TRINITY_DN7_c0_g1_i4             TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA VP unspliced
TRINITY_DN7_c0_g1_i2             TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA VP unspliced
TRINITY_DN7_c0_g1_i1             T------------------------------------------------------------ VP spliced 2
TRINITY_DN7_c0_g1_i3             T------------------------------------------------------------ VP spliced 2
TRINITY_DN18_c0_g1_i1            TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA VP unspliced
TRINITY_DN18_c0_g1_i2            TCTGTAAACATAATTGGGTATTTTAATAGGTGCTTTGACTCGAACCTCATGGATGTTTGA VP unspliced
TRINITY_DN18_c0_g1_i4            T------------------------------------------------------------ VP spliced 2
TRINITY_DN18_c0_g1_i3            T------------------------------------------------------------ VP spliced 2
                                 *

TRINITY_DN266_c0_g1_i1           CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT VP unspliced
TRINITY_DN266_c0_g1_i2           CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT VP unspliced
TRINITY_DN266_c0_g1_i4           ------------------------------------CCGAACAGACGTAGGTACAGGTGT VP spliced 2
TRINITY_DN266_c0_g1_i3           ------------------------------------CCGAACAGACGTAGGTACAGGTGT VP spliced 2
MpDNV_mRNA_seq_consensus         CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT 5'splice site
TRINITY_DN7_c0_g1_i4             CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT VP unspliced
TRINITY_DN7_c0_g1_i2             CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT VP unspliced
TRINITY_DN7_c0_g1_i1             ------------------------------------CCGAACAGACGTAGGTACAGGTGT VP spliced 2
TRINITY_DN7_c0_g1_i3             ------------------------------------CCGAACAGACGTAGGTACAGGTGT VP spliced 2
TRINITY_DN18_c0_g1_i1            CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT VP unspliced
TRINITY_DN18_c0_g1_i2            CGCTTCAACCTCCATGGGGTCGTCGTCCATATTTACCCGAACAGACGTAGGTACAGGTGT VP unspliced
TRINITY_DN18_c0_g1_i4            ------------------------------------CCGAACAGACGTAGGTACAGGTGT
TRINITY_DN18_c0_g1_i3            ------------------------------------CCGAACAGACGTAGGTACAGGTGT
                                                                     ************************

TRINITY_DN266_c0_g1_i1           AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN266_c0_g1_i2           AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN266_c0_g1_i4           AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN266_c0_g1_i3           AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
MpDNV_mRNA_seq_consensus         AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN7_c0_g1_i4             AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN7_c0_g1_i2             AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN7_c0_g1_i1             AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN7_c0_g1_i3             AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN18_c0_g1_i1            AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN18_c0_g1_i2            AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN18_c0_g1_i4            AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
TRINITY_DN18_c0_g1_i3            AGTGACAGTTGCGTCGACTGGAGTAGTAAATGAATCAATGTTCTTTGTAGTGGAAGCTTT
                                 ************************************************************

TRINITY_DN266_c0_g1_i1           GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN266_c0_g1_i2           GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN266_c0_g1_i4           GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN266_c0_g1_i3           GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
MpDNV_mRNA_seq_consensus         GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN7_c0_g1_i4             GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN7_c0_g1_i2             GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN7_c0_g1_i1             GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN7_c0_g1_i3             GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN18_c0_g1_i1            GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN18_c0_g1_i2            GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN18_c0_g1_i4            GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
TRINITY_DN18_c0_g1_i3            GCCCATTTCTTTAGTTAGTCCCGAAGAGTGTGCAGCGGCGTTTTGATTGTCAGCTACTTT
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TRINITY_DN266_c0_g1_i1           TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN266_c0_g1_i2           TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN266_c0_g1_i4           TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN266_c0_g1_i3           TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
MpDNV_mRNA_seq_consensus         TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN7_c0_g1_i4             TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN7_c0_g1_i2             TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN7_c0_g1_i1             TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN7_c0_g1_i3             TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN18_c0_g1_i1            TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN18_c0_g1_i2            TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
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TRINITY_DN18_c0_g1_i4          TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
TRINITY_DN18_c0_g1_i3          TTCAGGAGCCACGTACAATCCGTGAACAATAGATAAATCTCCACGATTGTATAGATTTTG
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TRINITY_DN266_c0_g1_i1         ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN266_c0_g1_i2         ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN266_c0_g1_i4         ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN266_c0_g1_i3         ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
MpDNV_mRNA_seq_consensus       ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN7_c0_g1_i4           ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN7_c0_g1_i2           ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN7_c0_g1_i1           ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN7_c0_g1_i3           ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN18_c0_g1_i1          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN18_c0_g1_i2          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN18_c0_g1_i4          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
TRINITY_DN18_c0_g1_i3          ATTGTAATTGTCGTCGGCCAGCAACCATGTCTTTTCGTATTCCACGTGAAGCCTGTCAAA
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TRINITY_DN266_c0_g1_i1         CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN266_c0_g1_i2         CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN266_c0_g1_i4         CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN266_c0_g1_i3         CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
MpDNV_mRNA_seq_consensus       CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN7_c0_g1_i4           CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN7_c0_g1_i2           CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN7_c0_g1_i1           CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN7_c0_g1_i3           CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN18_c0_g1_i1          CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN18_c0_g1_i2          CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN18_c0_g1_i4          CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
TRINITY_DN18_c0_g1_i3          CGCTGTTCTGCTTTGCGGACATCCAAAACTAACTGTCATCTCAGTTTCGAAATCCCATGT
                               ************************************************************

TRINITY_DN266_c0_g1_i1         GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN266_c0_g1_i2         GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN266_c0_g1_i4         GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN266_c0_g1_i3         GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
MpDNV_mRNA_seq_consensus       GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN7_c0_g1_i4           GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN7_c0_g1_i2           GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN7_c0_g1_i1           GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN7_c0_g1_i3           GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN18_c0_g1_i1          GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN18_c0_g1_i2          GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN18_c0_g1_i4          GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
TRINITY_DN18_c0_g1_i3          GCATTCTACGTCAGTAAAATTTACAGGGACTATACTATTAGTGGCAGTAGTTAACTTATG
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TRINITY_DN266_c0_g1_i1         CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN266_c0_g1_i2         CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN266_c0_g1_i4         CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN266_c0_g1_i3         CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
MpDNV_mRNA_seq_consensus       CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN7_c0_g1_i4           CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN7_c0_g1_i2           CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN7_c0_g1_i1           CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN7_c0_g1_i3           CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN18_c0_g1_i1          CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN18_c0_g1_i2          CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN18_c0_g1_i4          CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
TRINITY_DN18_c0_g1_i3          CACTGGATATATTCCTACATGTACACTAGGTTGTACTTTATTAGAATATTCATGTTTATC
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TRINITY_DN266_c0_g1_i1         GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN266_c0_g1_i2         GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN266_c0_g1_i4         GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN266_c0_g1_i3         GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
MpDNV_mRNA_seq_consensus       GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN7_c0_g1_i4           GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN7_c0_g1_i2           GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN7_c0_g1_i1           GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN7_c0_g1_i3           GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN18_c0_g1_i1          GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN18_c0_g1_i2          GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN18_c0_g1_i4          GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
TRINITY_DN18_c0_g1_i3          GAACATACGAAAATATTGGCCTACGTCTATGTTAGTACAATATCTATCATTGCCGAATAT
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TRINITY_DN266_c0_g1_i1         GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN266_c0_g1_i2         GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN266_c0_g1_i4         GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN266_c0_g1_i3         GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
MpDNV_mRNA_seq_consensus       GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN7_c0_g1_i4           GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN7_c0_g1_i2           GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN7_c0_g1_i1           GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN7_c0_g1_i3           GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
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TRINITY_DN18_c0_g1_i1          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN18_c0_g1_i2          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN18_c0_g1_i4          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
TRINITY_DN18_c0_g1_i3          GCGTTTCCAACCGTTTTCACCCACAAATGTCAATTTTTGATCCGATCTCCTTTCGAACAA
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TRINITY_DN266_c0_g1_i1         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN266_c0_g1_i2         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN266_c0_g1_i4         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN266_c0_g1_i3         GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
MpDNV_mRNA_seq_consensus       GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN7_c0_g1_i4           GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN7_c0_g1_i2           GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN7_c0_g1_i1           GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN7_c0_g1_i3           GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN18_c0_g1_i1          GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN18_c0_g1_i2          GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN18_c0_g1_i4          GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
TRINITY_DN18_c0_g1_i3          GCCACTGGCAGCGTTTATAAAATCTTGACACTCTGGTTCGTTACCAGCATTGCGTAACAT
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TRINITY_DN266_c0_g1_i1         AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN266_c0_g1_i2         AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN266_c0_g1_i4         AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN266_c0_g1_i3         AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
MpDNV_mRNA_seq_consensus       AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN7_c0_g1_i4           AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN7_c0_g1_i2           AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN7_c0_g1_i1           AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN7_c0_g1_i3           AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN18_c0_g1_i1          AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN18_c0_g1_i2          AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN18_c0_g1_i4          AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
TRINITY_DN18_c0_g1_i3          AGCAAATTTACTGGAATTAGGCTCCTGTACGCTGACACACGCATCGAATATTGGATCGTG
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TRINITY_DN266_c0_g1_i1         TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN266_c0_g1_i2         TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN266_c0_g1_i4         TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN266_c0_g1_i3         TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
MpDNV_mRNA_seq_consensus       TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN7_c0_g1_i4           TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN7_c0_g1_i2           TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN7_c0_g1_i1           TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN7_c0_g1_i3           TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN18_c0_g1_i1          TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN18_c0_g1_i2          TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN18_c0_g1_i4          TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
TRINITY_DN18_c0_g1_i3          TGGTAGAGTGAGTATACCGACATGAGGCTTGTACGAATAATTAAGTACAGTGGTGCCGAC
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TRINITY_DN266_c0_g1_i1         AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN266_c0_g1_i2         AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN266_c0_g1_i4         AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN266_c0_g1_i3         AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
MpDNV_mRNA_seq_consensus       AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN7_c0_g1_i4           AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN7_c0_g1_i2           AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN7_c0_g1_i1           AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN7_c0_g1_i3           AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN18_c0_g1_i1          AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN18_c0_g1_i2          AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN18_c0_g1_i4          AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
TRINITY_DN18_c0_g1_i3          AGTAAACGAAGCGTCGACCTTGGTGATGTGTTCATTAAACCGTTCCCATCCGAGTTTTCC
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TRINITY_DN266_c0_g1_i1         AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN266_c0_g1_i2         AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN266_c0_g1_i4         AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN266_c0_g1_i3         AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
MpDNV_mRNA_seq_consensus       AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN7_c0_g1_i4           AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN7_c0_g1_i2           AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN7_c0_g1_i1           AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN7_c0_g1_i3           AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN18_c0_g1_i1          AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN18_c0_g1_i2          AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN18_c0_g1_i4          AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
TRINITY_DN18_c0_g1_i3          AGAATTATGATTTCTATTTACAAAATTACAAAAATAACTGTTATACATCAACGGTAAGTT
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TRINITY_DN266_c0_g1_i1         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN266_c0_g1_i2         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN266_c0_g1_i4         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN266_c0_g1_i3         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
MpDNV_mRNA_seq_consensus       CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN7_c0_g1_i4           CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN7_c0_g1_i2           CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
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TRINITY_DN7_c0_g1_i1          CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN7_c0_g1_i3          CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN18_c0_g1_i1         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN18_c0_g1_i2         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN18_c0_g1_i4         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
TRINITY_DN18_c0_g1_i3         CATGTAGGACGCAGGCAGTTCATATCCCTCTTTAGCAGAGAATGTACCATCTAGATCTTG
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TRINITY_DN266_c0_g1_i1        ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN266_c0_g1_i2        ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN266_c0_g1_i4        ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN266_c0_g1_i3        ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
MpDNV_mRNA_seq_consensus      ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN7_c0_g1_i4          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN7_c0_g1_i2          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN7_c0_g1_i1          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN7_c0_g1_i3          ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN18_c0_g1_i1         ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN18_c0_g1_i2         ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN18_c0_g1_i4         ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
TRINITY_DN18_c0_g1_i3         ACCGTACAATTTGCGAACGAATTCTTTCATAGACGACTGATCGTTCTCGGTATTCGTTGG
                              ************************************************************

TRINITY_DN266_c0_g1_i1        ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN266_c0_g1_i2        ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN266_c0_g1_i4        ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN266_c0_g1_i3        ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
MpDNV_mRNA_seq_consensus      ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN7_c0_g1_i4          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN7_c0_g1_i2          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN7_c0_g1_i1          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN7_c0_g1_i3          ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN18_c0_g1_i1         ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN18_c0_g1_i2         ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN18_c0_g1_i4         ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
TRINITY_DN18_c0_g1_i3         ATCCATGGGCTCCGATGAATTGCCAAATGTGAGTTTTCGGTTAAATCCCCTTGTTTTTAA
                              ************************************************************

TRINITY_DN266_c0_g1_i1        ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN266_c0_g1_i2        ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN266_c0_g1_i4        ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN266_c0_g1_i3        ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
MpDNV_mRNA_seq_consensus      ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN7_c0_g1_i4          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN7_c0_g1_i2          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN7_c0_g1_i1          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN7_c0_g1_i3          ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN18_c0_g1_i1         ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN18_c0_g1_i2         ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN18_c0_g1_i4         ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
TRINITY_DN18_c0_g1_i3         ATTCAAAGCGTCCGCTTTTACCATAAATTTGTTCTGATTCAATGTGGCCAGGGAGCTCGT
                              ************************************************************

TRINITY_DN266_c0_g1_i1        AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN266_c0_g1_i2        AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN266_c0_g1_i4        AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN266_c0_g1_i3        AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
MpDNV_mRNA_seq_consensus      AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN7_c0_g1_i4          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN7_c0_g1_i2          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN7_c0_g1_i1          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN7_c0_g1_i3          AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN18_c0_g1_i1         AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN18_c0_g1_i2         AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN18_c0_g1_i4         AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
TRINITY_DN18_c0_g1_i3         AGAGCTATTGGTTTCAAAAGCTGTGCGAGGATTACGCATGACACCCTTGCATTTGACTTC
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TRINITY_DN266_c0_g1_i1        AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN266_c0_g1_i2        AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN266_c0_g1_i4        AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN266_c0_g1_i3        AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
MpDNV_mRNA_seq_consensus      AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN7_c0_g1_i4          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN7_c0_g1_i2          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN7_c0_g1_i1          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN7_c0_g1_i3          AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN18_c0_g1_i1         AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN18_c0_g1_i2         AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN18_c0_g1_i4         AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
TRINITY_DN18_c0_g1_i3         AGTGCATATAGCACCTCTGGGTAAAAATTTAAACTCGGACGGCGACATATAGAACCAAGG
                              ************************************************************

TRINITY_DN266_c0_g1_i1        TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN266_c0_g1_i2        TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN266_c0_g1_i4        TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN266_c0_g1_i3        TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
MpDNV_mRNA_seq_consensus      TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
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TRINITY_DN7_c0_g1_i4          TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN7_c0_g1_i2          TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN7_c0_g1_i1          TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN7_c0_g1_i3          TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN18_c0_g1_i1         TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN18_c0_g1_i2         TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN18_c0_g1_i4         TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
TRINITY_DN18_c0_g1_i3         TTGGTCCACGGGCACACTCATTAAACTCGTTGTCCCAAGATAGGCGTTATCAGTGCTAAG
                              ************************************************************

TRINITY_DN266_c0_g1_i1        ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN266_c0_g1_i2        ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN266_c0_g1_i4        ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN266_c0_g1_i3        ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
MpDNV_mRNA_seq_consensus      ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN7_c0_g1_i4          ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN7_c0_g1_i2          ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN7_c0_g1_i1          ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN7_c0_g1_i3          ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN18_c0_g1_i1         ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN18_c0_g1_i2         ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN18_c0_g1_i4         ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
TRINITY_DN18_c0_g1_i3         ATATCGCAACACTTTCCAACCACATCCGTAACTGATGAAAGTATGTACTTTTCGGTAAAC
                              ************************************************************

TRINITY_DN266_c0_g1_i1        CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN266_c0_g1_i2        CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN266_c0_g1_i4        CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN266_c0_g1_i3        CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
MpDNV_mRNA_seq_consensus      CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN7_c0_g1_i4          CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN7_c0_g1_i2          CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN7_c0_g1_i1          CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN7_c0_g1_i3          CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN18_c0_g1_i1         CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN18_c0_g1_i2         CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN18_c0_g1_i4         CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
TRINITY_DN18_c0_g1_i3         CATAGTATATCCTCCCGTGTGACCGATTGGCCTAGGTATAACAGCGTTTTCAGAGCTAGG
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TRINITY_DN266_c0_g1_i1        ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN266_c0_g1_i2        ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN266_c0_g1_i4        ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN266_c0_g1_i3        ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
MpDNV_mRNA_seq_consensus      ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN7_c0_g1_i4          ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN7_c0_g1_i2          ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN7_c0_g1_i1          ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN7_c0_g1_i3          ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN18_c0_g1_i1         ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN18_c0_g1_i2         ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN18_c0_g1_i4         ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
TRINITY_DN18_c0_g1_i3         ATTGCCAGTATCTGGGTCCCCATCGTTCGCAGCAGCCGTCCCAGGAAGCGAGGTGCCACC
                              ************************************************************

TRINITY_DN266_c0_g1_i1        CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN266_c0_g1_i2        CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN266_c0_g1_i4        CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN266_c0_g1_i3        CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
MpDNV_mRNA_seq_consensus      CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN7_c0_g1_i4          CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN7_c0_g1_i2          CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN7_c0_g1_i1          CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN7_c0_g1_i3          CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN18_c0_g1_i1         CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN18_c0_g1_i2         CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN18_c0_g1_i4         CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
TRINITY_DN18_c0_g1_i3         CGCACGTTTAGGAGCGGGTTCAGAACCGGAGCTATCGGCAGGTCGTTTGCTACTTGATCC
                              ************************************************************

TRINITY_DN266_c0_g1_i1        GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN266_c0_g1_i2        GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN266_c0_g1_i4        GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN266_c0_g1_i3        GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
MpDNV_mRNA_seq_consensus      GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN7_c0_g1_i4          GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN7_c0_g1_i2          GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN7_c0_g1_i1          GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN7_c0_g1_i3          GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN18_c0_g1_i1         GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN18_c0_g1_i2         GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN18_c0_g1_i4         GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
TRINITY_DN18_c0_g1_i3         GCTAGAGCTTGCCATGGATCCCGATGCGCTTCCCCCGTTGCCGTTGCTAGTGCTGTTGTC
                              ************************************************************

TRINITY_DN266_c0_g1_i1        CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN266_c0_g1_i2        CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN266_c0_g1_i4        CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
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TRINITY_DN266_c0_g1_i3          CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
MpDNV_mRNA_seq_consensus        CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN7_c0_g1_i4            CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN7_c0_g1_i2            CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN7_c0_g1_i1            CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN7_c0_g1_i3            CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN18_c0_g1_i1           CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN18_c0_g1_i2           CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN18_c0_g1_i4           CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
TRINITY_DN18_c0_g1_i3           CGGGGCTGAGGTGTTTGCCACGTGGTCGCCACTCGCTTCACCGCTGTTAGGATTGCCGTT
                                ************************************************************

TRINITY_DN266_c0_g1_i1          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- VP spliced 1
TRINITY_DN266_c0_g1_i2          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG VP unspliced
TRINITY_DN266_c0_g1_i4          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG VP unspliced
TRINITY_DN266_c0_g1_i3          ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- VP spliced 1
MpDNV_mRNA_seq_consensus        ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG 3'splice site
TRINITY_DN7_c0_g1_i4            ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG VP unspliced
TRINITY_DN7_c0_g1_i2            ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- VP spliced 1
TRINITY_DN7_c0_g1_i1            ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG VP unspliced
TRINITY_DN7_c0_g1_i3            ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- VP spliced 1
TRINITY_DN18_c0_g1_i1           ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- VP spliced 1
TRINITY_DN18_c0_g1_i2           ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG VP unspliced
TRINITY_DN18_c0_g1_i4           ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCAC---------------- VP spliced 1
TRINITY_DN18_c0_g1_i3           ACCGTCGTAGTCCCAATCCAAATCAGGATCCTCCTCCACGCCACCTAAAACATACGGTGG VP unspliced
                                ******************************************

TRINITY_DN266_c0_g1_i1          ------------------------------------------------------------
TRINITY_DN266_c0_g1_i2          TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN266_c0_g1_i4          TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN266_c0_g1_i3          ------------------------------------------------------------
MpDNV_mRNA_seq_consensus        TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN7_c0_g1_i4            TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN7_c0_g1_i2            ------------------------------------------------------------
TRINITY_DN7_c0_g1_i1            TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN7_c0_g1_i3            ------------------------------------------------------------
TRINITY_DN18_c0_g1_i1           ------------------------------------------------------------
TRINITY_DN18_c0_g1_i2           TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA
TRINITY_DN18_c0_g1_i4           ------------------------------------------------------------
TRINITY_DN18_c0_g1_i3           TAATGAACGACGTGCTAAAGCCTTATTGTATTGTTCTAGCGCGTAACGCTGCTGCGATGA

TRINITY_DN266_c0_g1_i1          ------------------------------------------------------------
TRINITY_DN266_c0_g1_i2          ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN266_c0_g1_i4          ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN266_c0_g1_i3          ------------------------------------------------------------
MpDNV_mRNA_seq_consensus        ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN7_c0_g1_i4            ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN7_c0_g1_i2            ------------------------------------------------------------
TRINITY_DN7_c0_g1_i1            ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN7_c0_g1_i3            ------------------------------------------------------------
TRINITY_DN18_c0_g1_i1           ------------------------------------------------------------
TRINITY_DN18_c0_g1_i2           ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG
TRINITY_DN18_c0_g1_i4           ------------------------------------------------------------
TRINITY_DN18_c0_g1_i3           ATTTAAATTTTGCCAATTGGCCCGCTCCGGTGGAGGAGGACCTAAATAACGAAATTCTCG

TRINITY_DN266_c0_g1_i1          ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC VP spliced 1
TRINITY_DN266_c0_g1_i2          CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC VP unspliced
TRINITY_DN266_c0_g1_i4          CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC VP unspliced
TRINITY_DN266_c0_g1_i3          ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC VP spliced 1
MpDNV_mRNA_seq_consensus        CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC 5'splice site
TRINITY_DN7_c0_g1_i4            CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC VP unspliced
TRINITY_DN7_c0_g1_i2            ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC VP spliced 1
TRINITY_DN7_c0_g1_i1            CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC VP unspliced
TRINITY_DN7_c0_g1_i3            ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC VP spliced 1
TRINITY_DN18_c0_g1_i1           ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC VP spliced 1
TRINITY_DN18_c0_g1_i2           CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC VP unspliced
TRINITY_DN18_c0_g1_i4           ---------GGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC VP spliced 1
TRINITY_DN18_c0_g1_i3           CATACTTACGGCTACTGTCTGCTGCCGCTAAATACGGTGTTGTATCAAAATATGTTCCGC VP unspliced
                                         **************************************************

TRINITY_DN266_c0_g1_i1          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN266_c0_g1_i2          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN266_c0_g1_i4          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN266_c0_g1_i3          TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
MpDNV_mRNA_seq_consensus        TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN7_c0_g1_i4            TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN7_c0_g1_i2            TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN7_c0_g1_i1            TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN7_c0_g1_i3            TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN18_c0_g1_i1           TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN18_c0_g1_i2           TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN18_c0_g1_i4           TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
TRINITY_DN18_c0_g1_i3           TAGTGTTAGGTTTGTTCGGGTATATTGCTGTCTCGCTGCCTGTCAAGAACTGATCGGCTA
                                ************************************************************

TRINITY_DN266_c0_g1_i1          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
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TRINITY_DN266_c0_g1_i2        AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN266_c0_g1_i4        AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN266_c0_g1_i3        AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
MpDNV_mRNA_seq_consensus      AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN7_c0_g1_i4          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN7_c0_g1_i2          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN7_c0_g1_i1          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN7_c0_g1_i3          AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN18_c0_g1_i1         AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN18_c0_g1_i2         AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN18_c0_g1_i4         AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
TRINITY_DN18_c0_g1_i3         AATCGACACCACGCTTTGCGATCAATCCGAGAGCTGTCGCAATGTTGCCATAATATGGGT
                              ************************************************************

TRINITY_DN266_c0_g1_i1        CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN266_c0_g1_i2        CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN266_c0_g1_i4        CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN266_c0_g1_i3        CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
MpDNV_mRNA_seq_consensus      CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN7_c0_g1_i4          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN7_c0_g1_i2          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN7_c0_g1_i1          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN7_c0_g1_i3          CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN18_c0_g1_i1         CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN18_c0_g1_i2         CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN18_c0_g1_i4         CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
TRINITY_DN18_c0_g1_i3         CGCTGACTTGCAGCGCTCCCCGTATCGCTTTTTTGTCTAATTCCCATATGTTATCCTTGC
                              ************************************************************

TRINITY_DN266_c0_g1_i1APFV-16 TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCAC
TRINITY_DN266_c0_g1_i2         TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCAC
TRINITY_DN266_c0_g1_i4         TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCAC
TRINITY_DN266_c0_g1_i3         TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCAC
MpDNV_mRNA_seq_consensus       TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGAAATGCGACCTTATCTATATCAC
TRINITY_DN7_c0_g1_i4  APFV-14  TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN7_c0_g1_i2           TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN7_c0_g1_i1           TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN7_c0_g1_i3           TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN18_c0_g1_i1 APFV-15  TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN18_c0_g1_i2          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN18_c0_g1_i4          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
TRINITY_DN18_c0_g1_i3          TAACATCCGTAGCATTAAAATAATCGGCATCGTGTTGGAATGCGACCTTATCTATATCAC
                               ********************************** **********************

TRINITY_DN266_c0_g1_i1        TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN266_c0_g1_i2        TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN266_c0_g1_i4        TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN266_c0_g1_i3        TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
MpDNV_mRNA_seq_consensus      TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN7_c0_g1_i4          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN7_c0_g1_i2          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN7_c0_g1_i1          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN7_c0_g1_i3          TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN18_c0_g1_i1         TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN18_c0_g1_i2         TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN18_c0_g1_i4         TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
TRINITY_DN18_c0_g1_i3         TAGTAGGTAACGCCTTAGCATTAAAATGACCTTCACTGTCACACAACAGATTACCTGGAC
                              ************************************************************

TRINITY_DN266_c0_g1_i1        CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN266_c0_g1_i2        CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN266_c0_g1_i4        CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN266_c0_g1_i3        CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
MpDNV_mRNA_seq_consensus      CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN7_c0_g1_i4          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN7_c0_g1_i2          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN7_c0_g1_i1          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN7_c0_g1_i3          CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN18_c0_g1_i1         CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN18_c0_g1_i2         CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN18_c0_g1_i4         CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
TRINITY_DN18_c0_g1_i3         CCACGAAGCTACTACCGAACCACGTGATACCTTCATTGCTAGTACCTGAAGCACCTAATT
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TRINITY_DN266_c0_g1_i1        TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN266_c0_g1_i2        TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN266_c0_g1_i4        TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN266_c0_g1_i3        TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
MpDNV_mRNA_seq_consensus      TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN7_c0_g1_i4          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN7_c0_g1_i2          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN7_c0_g1_i1          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN7_c0_g1_i3          TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN18_c0_g1_i1         TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN18_c0_g1_i2         TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN18_c0_g1_i4         TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
TRINITY_DN18_c0_g1_i3         TAATACGTTTTCTCTCGTTATTCTCCTCTTCAACACTATAAAATTCGTCGTTTACCGACG
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TRINITY_DN266_c0_g1_i1          ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN266_c0_g1_i2          ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN266_c0_g1_i4          ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN266_c0_g1_i3          ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
MpDNV_mRNA_seq_consensus        ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN7_c0_g1_i4            ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN7_c0_g1_i2            ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN7_c0_g1_i1            ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN7_c0_g1_i3            ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN18_c0_g1_i1           ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN18_c0_g1_i2           ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN18_c0_g1_i4           ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
TRINITY_DN18_c0_g1_i3           ACATGTTAAACGTAACTGATTAAATATAAGTAAAATGTAAACACTTGAGTAAATAGTGAT
                                ************************************************************

TRINITY_DN266_c0_g1_i1          GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN266_c0_g1_i2          GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN266_c0_g1_i4          GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN266_c0_g1_i3          GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
MpDNV_mRNA_seq_consensus        GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN7_c0_g1_i4  APFV-14   GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGCCTATCTTTTTATTATATAAAAAG 3'-ITR TATA-box
TRINITY_DN7_c0_g1_i2            GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGCCTATCTTTTTATTATATAAAAAG
TRINITY_DN7_c0_g1_i1            GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGCCTATCTTTTTATTATATAAAAAG
TRINITY_DN7_c0_g1_i3            GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGCCTATCTTTTTATTATATAAAAAG
TRINITY_DN18_c0_g1_i1           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN18_c0_g1_i2           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN18_c0_g1_i4           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
TRINITY_DN18_c0_g1_i3           GACGTCACCCCCACCTAGTCGCCTACTGGATACTTGTCTATCTTTTTATTATATAAAAAG
                                ********************************** ***********************

TRINITY_DN266_c0_g1_i1APFV-16   ATCCCCTACTAATAATAACCACTACCTCCTTCCGGGGGGCGGGGGGTATCCTTTGTTATC VP 5'-end
TRINITY_DN266_c0_g1_i2          ATCCCCTACTAATAATAACCACTACCTCCTTCCGGGGGGCGGGGGGTATCCTTTGTTATC VP 5'-end
TRINITY_DN266_c0_g1_i4          ATCCCCTACTAATAATAACCACTACCTCCTTCCGGGGGGCGGGGGGTATCCTTTGTTATC VP 5'-end
TRINITY_DN266_c0_g1_i3          ATCCCCTACTAATAATAACCACTACCTCCTTCCGGGGGGCGGGGGGTATCCTTTGTTATC VP 5'-end
MpDNV_mRNA_seq_consensus        ATCCCCTACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN7_c0_g1_i4  APFV-14   ATCCCCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCC-TTGTTATC
TRINITY_DN7_c0_g1_i2            ATCCCCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCC-TTGTTATC
TRINITY_DN7_c0_g1_i1            ATCCCCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCC-TTGTTATC
TRINITY_DN7_c0_g1_i3            ATCCCCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCC-TTGTTATC
TRINITY_DN18_c0_g1_i1 APFV-15   ATCCCCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN18_c0_g1_i2           ATCCCCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN18_c0_g1_i4           ATCCCCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
TRINITY_DN18_c0_g1_i3           ATCCCCCACTAATAATAACCACTACCTACTTCCGGGGGGCGGGGGGTATCCTTTGTTATC
                                ****** ******************* ********************** ********

TRINITY_DN266_c0_g1_i1          ------------------------------------------------------------
TRINITY_DN266_c0_g1_i2          ------------------------------------------------------------
TRINITY_DN266_c0_g1_i4          ------------------------------------------------------------
TRINITY_DN266_c0_g1_i3          ------------------------------------------------------------
MpDNV_mRNA_seq_consensus        TATACTTATTGTCAACACTAGCCTTATCTTAGGGCGTGTCGGCCGACACGTGTCATGGCC
TRINITY_DN7_c0_g1_i4            TATACTTATTGTCAACACTAGCCTTAT---------------------------------- VP 5'-end
TRINITY_DN7_c0_g1_i2            TATACTTATTGTCAACACTAGCCTTAT---------------------------------- VP 5'-end
TRINITY_DN7_c0_g1_i1            TATACTTATTGTCAACACTAGCCTTAT---------------------------------- VP 5'-end
TRINITY_DN7_c0_g1_i3            TATACTTATTGTCAACACTAGCCTTAT---------------------------------- VP 5'-end
TRINITY_DN18_c0_g1_i1           TATACTTATTGTCAACACTAGCC-------------------------------------- VP 5'-end
TRINITY_DN18_c0_g1_i2           TATACTTATTGTCAACACTAGCC-------------------------------------- VP 5'-end
TRINITY_DN18_c0_g1_i4           TATACTTATTGTCAACACTAGCC-------------------------------------- VP 5'-end
TRINITY_DN18_c0_g1_i3           TATACTTATTGTCAACACTAGCC-------------------------------------- VP 5'-end
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