

dISFV-NC\_027999.1 G-----GAUUAUUUGUUUGAGAGAACAGCGAGAAGUACUACU---AUGGUUGAGAAAACUAGAGUAGGAUCUCGGGUUAAAACCCGAGGUGUCAUAUUGA 95  
MBFV-NC\_008719.1 A-----UUUCUACUGAAAGG---GUAGAGAAAAGGAGUUUUGCUUCUCAUGGCAACAAGAGGAGCAAGCAAGUCUCGGGUCACGACCCGGGGCGUCAUAUUGA 95  
MBFV-NC\_012735.1 -----UUUCUACUGAAAGG---AGUAGAAGAAAAGGAGAUUCAUCCCAUUGGCAACAAGGGGAUGAAUAAGUCUCGGGCUCGAUCCCGAGGCGUCAUAUUGG 95  
MBFV-NC\_002031.1 -----UAAUCGUUCGUUGAGCGAUUAGCAGAGAACUGACCAGAACAUGUC-----UGGUCGUAAAGCUCAGGGAAAAACCCUGGGCGUCAUAUUGG 86  
dISFV-NC\_016997.1 A-----AACAUAAACGCAUUAAGAAUAGGUUU---GAAAGAGUUGAAUCAAUGAGAUCAAUGGUCUUUCGAGCUUAGGAGGCCCCGUUAAACCGGGCCGUCGAUAUA 95  
dISFV-NC\_017086.1 -----AUAACACGUUUUGAAUAGGUUUUAUUGUGAAUCGAAAUACCGAUG-----GCGAAUAAACCCAAAGAACCCCGGAAGACGGGCUAUCGAUAUAG 86  
MBFV-NC\_009028.2 U--U---UAACACAGUCUGAAUAGUUUUUU--AGCAAGGGA-UUUC--CC-AUGUCU--A---AAAAACCAGGAAAGUCCGCUGCAAAGCGGACUGUCAUAUUGG 89  
MBFV-NC\_040776.1 U--U---UAACACAGUCUGAAUAGUUUUUU--AGCAGAGGU-ACUA--CC-AUGUCU--A---AAAAACCAGGAGGACCCCGCGGAAGGCGGGGUUGUCAUAUUGG 89  
MBFV-NC\_034151.1 -----UAACACAGUGUAAUAGUUUUUU--GAACAGAGGUGAAAA--CC-AUGUCU--A---AAAAACCAGGAGGACCCCGGAAGAACCGGGUCGUUAUAUUGG 89  
MBFV-NC\_001437.1 ---U---UAGUGCAGUUUAAACAGUUUUUUUAGAACCGGAAGA-UAAC--C--AUGACU--A---AAAAACCAGGAGGGGCCCGUAAAAAACCGGGCUAUCUAUAUUGG 89  
MBFV-NC\_007580.2 ---U---AACUUGACUGCGAACAGUUUUUUUAGCAGGGAAUU-ACCC--A--AUGUCU--A---AAAAACCAGGAAACCCCGUAGAAACCGGGUUGUCAUAUUGG 89  
MBFV-NC\_001563.2 A--U---UAACACAGUGCGAGCUGUUUCUUGGCAC--GAAGA-UCUC--G--AUGUCU--A---AGAAACCAGGAGGGGCCCGUAAAAACCGGGCUGUCAUAUUGG 89  
MBFV-NC\_009942.1 A--U---UAACACAGUGCGAGCUGUUUCUUAGCAC--GAAGA-UCUC--G--AUGUCU--A---AGAAACCAGGAGGGGCCCGGAAGAGCGCCGGGUCUCAUAUUGG 89  
MBFV-NC\_000943.1 -----UAACGCGGUUUGAACAGUUUUUUUGAGGCUUUUGA-UUUC--AA-AUGUCU--A---AAAAACCAGGAGGACCCCGGAAGCCCCGGGUCGUCAAUAUUGG 89  
MBFV-NC\_006551.1 ---U---UAACACAGUGCCGGCAGUUUCUUGAGC--GUUGA-UUUU--CA-AUGUCU--A---AGAAACCAGGAGGGGCCCGGAAGAAACCGGGCCAUCUAUAUUGG 89  
MBFV-NC\_012534.1 CCGU----AAACACAGUUUGAAC--GUUUUUUGGAG--AGAGAUUA--UU-AUGUUU--AACAAAAAACCCAGGAAACCCGGGCGAACCCGGGUUGUCAUAUUGG 92  
MBFV-NC\_015843.2 ACGU---AAACACAGUUUGAAC--GUUUUUUGGAU---AGAGACAA--CU-AUGUCU--AACAAAAAACCCAGGAAGACCCGGCUCAGGCCGGGUUGUCAUAUUGG 92  
MBFV-NC\_009026.2 -----AGAAAAGUUUUCGAGGAAGACGAGAAGCGAAUUCUCU--GA-AUGGCU--A---GAAACCAGGAAGACCCCGGAGGAACCGGGUCGUCAAUAUUGG 89  
MBFV-NC\_009029.2 UGAUUACAUAAACACAGUGGAACAAGUUUUUUUGAACAG-----CA-AUGACC--A---AAAAACCAGGAAGGCCCGGUAGAAUACCGGGCCGUCAAUAUUGG 89  
MBFV-NC\_032088.1 UC----UAUAACUCAGUGUGAACAAGUUUUUUUGAUCAGUGGA-----UA-AUGACU--A---AAAAACCAGGAAAGUCCCGGCAAUUCGUCGGACUGUCAUAUUGG 89  
MBFV-NC\_012532.1 AACAGGU-U-----UAAUUUGGAUUUGGAAA--CGA--GAGUUUCUGGUC--AUGAAA--AACCCCAAAGAAGAAAUUC--CGGAGGA-UCCGGAUUGUCAUAUUGG 89  
MBFV-NC\_035889.1 ACAGGUU-U-----UAUUUUGGAUUUGGAAA--CGA--GAGUUUCUGGUC--AUGAAA--AA-CCCAAAAAAGAAAUUC--CGGAGGAUUCCGGAUUGUCAUAUUGG 89  
MBFV-NC\_002640.1 -----UCUAACAGUUUGUUUGAAUAGAGAG--CAG--AUCUCUGGAAA--AUG-----AA--CCAACGAAAAAAGG--UGGUUAGACC--ACCUUUCUAUAUUGG 83  
MBFV-NC\_001477.1 ACGUAGU-UCUAACAGUUU-UUU-AUUAGAGAG--CAG--AUCUCUG-----AUGAAC--AA--CCAACGAAAAAGA--CGGGUCGACC--GUCUUUCAUAUUGG 86  
MBFV-NC\_001475.2 ACGUAGU-GCUGACAGUUU-UUU-AUUAGAGAG--CAG--AUCUCUG-----AUGAAC--AA--CCAACGGAAGAAGA--CGGGAACACC--GUCUAUCAUAUUGG 86  
MBFV-NC\_001474.2 -CGUAGU-UCUAACAGUUU-UUUAAUAGAGAG--CAG--AUCUCUG-----AUGAAU--AA--CCAACGAAAAAGG--CGAAAAACAC--CGAAUUCUAUAUUGG 86  
MBFV-NC\_012533.1 A-----ACAGUUUUCGUGUUGAGAAAGAAAAACAGAUUCUUCGGAA-AUGAA-----AACCCAAAAAAG--GGCCGCAUCGCGGCCUAUCUAUAUUGG 83  
dISFV-NC\_024017.1 -----UCGCGCAUUUUGAUAGAGUU---GACUAGAUAAACGAAUUAUCGAUGGUG-----ACUAAAUCAAGAAAGCCCGCCGCAAAGCGGGCUGUUAUAUUGG 89  
dISFV-NC\_040610.1 -----GAACAAUUUAAAGAAGUCA-AAACUAGAAAAUUAAUU-UCAAUGGUU-----AGACAACUUGGAAAGACCGUUGCAAGACGGUCGUCAAUAUUGG 89  
MBFV-NC\_018705.3 CCGUA---AACACAGUUUGAACGUUUUUUGGAGAGAAUACU-----AUGUCA--AACAAAAACCAGGAAGACCCGGGGCAACCCGGGUUGUCAUAUUGG 92  
.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....



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dISFV-NC\_027999.1 UUAGGGCGUACUG-----GAA---NNNNNNNN-UGGCGAACCCEAUUGGAAAUUUA-----GCUUCUAUUGACACCAGGGGA-AAGACCCGGAGAA 174  
MBFV-NC\_008719.1 UGACGGCCAAGG-----CCA---NNNNNNNN-GAGGAGACCCUCCCGAGCAC-UA-----UAGC--GGACCUAUUGACGCCUGGG-A-AAGACCCGGAGAC 176  
MBFV-NC\_012735.1 UAGCGGCUAGAG-----UGA---NNNNNNNN-C-CCAUUCUCCUCCGAGCACACA-----UAGC--GGACCUAUUGACGCCAGGG-A-AAGACCCGGAGAC 176  
MBFV-NC\_002031.1 UACGACGAGGAGUUCGCUCCUUGU---NNNNNNNN-G--AGACCCUCCAGGGAACAAA-----UAGUGGGAGCCUAUUGACGCCAGGG-A-AAGACCCGGAGUG 175  
dISFV-NC\_016997.1 UAAAACGUAAGCUGC-----NNNNNNNN--AGGAAACCCCCCAAAAUUGA-----UAG--GCUAUUAUUCGACACCUUAGG-A-AAGACUGGAGAU 176  
dISFV-NC\_017086.1 UGAGAGCGUGCGUUGCCUCGCGUCU---NNNNNNNNNAGAGGAGACCCCCCAAAAUUG-----AAG--GGCAUUAUUCGACACCUUGGG-A-AAGACCGAGGU 176  
MBFV-NC\_009028.2 UAAAACGCCUGGCUGAGCGUGU-----NNNNNNNN--GUGGAGACCCUCAGCAC--CAAGCGCGAA--ACAAACAGCUAUUUGACGCCUGGGA--AAGACCCGGGAGA 182  
MBFV-NC\_040776.1 UGAAACGCCCGAGCCAGCGUUU-----NNNNNNNN--A-GGAGACCCUUGGCACACAAGCGCAAA--GACAAACAGCUAUUUGACACCUGGGA--AAGACCCGGGAGA 183  
MBFV-NC\_034151.1 UGAAGCGCACAUCCCGCGCUA-----NNNNNNNN-----AGACCCUUGGCAGUGAA--CGCAAA-UAAAAACAGCUAUUUGACACCUGGGA--UAGACUGGGAGA 179  
MBFV-NC\_001437.1 UGAAACGCGGCCUACCCCGCG-----NNNNNNNN-UAGAGGAGACCCC--GCAUUU-----GC-AUCAACAGCUAUUUGACACCUGGGGA-UAGACUGGGAGA 177  
MBFV-NC\_007580.2 UAAAACGCGGCGUAUCCCGCG-----NNNNNNNNUUAGAGGAGACCCUUGCGGUUA-----CGC-AAACAACAGCUAUUUGACACCUGGGA--AGACAG--GA 178  
MBFV-NC\_001563.2 UAAAACGCGGUAUGCCCCCGCG-----NNNNNNNN--GAGGAGACCCGUGCCA--AAAACACCA-A-AAGAAACAGCUAUUUGACACCUGGGA--UAGACUAGGGGA 182  
MBFV-NC\_009942.1 UAAAACGCGGAAUGCCCCCGCG-----NNNNNNNN-----GGAGACCCGUGGCCACAAAACACCACA-ACAAAACAGCUAUUUGACACCUGGGA--UAGACUAGGAGA 182  
MBFV-NC\_000943.1 UAAAACGCGGCAUACCCCGCG-----NNNNNNNN-----GACCCACUCUCAAAAGCAUC--AAACAACAGCUAUUUGACACCUGGGGA-AAGACUAGGAGA 177  
MBFV-NC\_006551.1 UGAAACGCGGCAUACCCCGCG-----NNNNNNNN-----ACCCCGCA-UCAUAAGCAUC--A-AAAAACAGCUAUUUGACACCUGGGGAUUAGACUAGGAGA 177  
MBFV-NC\_012534.1 UAAAGCGCGUGCAUCC-----NNNNNNNN-----GGAGACCCUUGCGAGUUAACACCAAA-ACAAAACAGCUAUUUGACACCUGGGA--GAGACUAGGAGA 182  
MBFV-NC\_015843.2 UAAAGCGCGGAACGUCCC-----NNNNNNNN-----AGGAGACCCUUGCGAGUGAACACCACA-A-GAAACAGCUAUUUGACACCUGGGA--UAGACUAGGAGA 182  
MBFV-NC\_009026.2 UAAAGCGUACGGCGGCCAACG-----NNNNNNNNCCCCUUG-----CAAAACAGUUAACGCACCA-AAGAAACAGCUAUUUGACACCUGGGA--UAGACC--GGAGA 182  
MBFV-NC\_009029.2 UAAAGCGCGGUGCGUCCCGCG-----NNNNNNNNNAGAGG--AGACCCUCCACAAAGAGCGCAAAACACAAACAGCUAUUUGACACCUGGGA--AAGACUAGGGGA 186  
MBFV-NC\_032088.1 UAAAGCGCGGAGCAUCCCGCG-----NNNNNNNNNAGAGGUUAGAGGAGACCCCCACAUACCGCAAA-ACAAAACAGCUAUUUGACACCUGGGA--UAGACUAGGAGA 187  
MBFV-NC\_012532.1 UAAAACGCGGAGUAGCCCGUG-----NNNNNNNN-----GGUUAGAGGAGACCCCCCGGAAACCGCAAAACAGCUAUUUGACG--UGGGA--AAGACCA-GAGA 177  
MBFV-NC\_035889.1 UAAAACGCGGAGUAGCCCGUG-----NNNNNNNN-----GUUAGAGGAGACCCCCCGGAAACCGCAAAACAGCUAUUUGACG--CUGGGA--AAGACCA-GAGA 177  
MBFV-NC\_002640.1 UGAAACGCGAGAGAAACCGCGUAUCAANNNNNNNN--ACUAGAGGUUAGAGGAGACCCCCCAACA--CAAAAACAGCUAUUUGACG--CUGGGA--AAGAC--CAGA 180  
MBFV-NC\_001477.1 UGAAACGCGCGAGAAACCGCGUGU---NNNNNNNN--UAGAGGUUAGAGGAGACCCCCCGCACAAACAAACAGCUAUUUGACG--CUGGGA--GAGAC--CAGA 180  
MBFV-NC\_001475.2 UGAAACGCGUGAGAAACCGUGUGU---NNNNNNNN--ACUAGAGGUUAGAGGAGACCCCCCG--CAAAUAAAAACAGCUAUUUGACG--CUGGGA--GAGAC--CAGA 180  
MBFV-NC\_001474.2 UGAAACGCGGAGAGAACCGUGUGU---NNNNNNNN--CUAGAGGUUAGAGGAGACCCCCCG--CGAAACAAAAACAGCUAUUUGACG--CUGGGA--AAGAC--CAGA 180  
MBFV-NC\_012533.1 UGAAGCGCUUUGGAUCUAGCGCUGGCCNNNNNNNN--GAGACCCCCC-----GCGCCCAUAACCAACUAAAAACAGCUAUUUGACACCUGGGA--AAGACCG-GAGA 179  
dISFV-NC\_024017.1 UAACACGCAUACCAAGCGUG-----NNNNNNNN-----CCCCACUGCUUAGU-CAAAUAGCUAUUUGACACUUGGGAAGAGACCGAGAU 171  
dISFV-NC\_040610.1 GAAAGCGGAUUAACCAACCGCU-----NNNNNNNN-----ACCCCUCAUUUUUAUAUACAGCUAUUUGACACCAGG-AUAGACCGGAGAAA 171  
MBFV-NC\_018705.3 UAAAGCGCGGCGCAUCCC-----NNNNNNNN-----CCCCGCGGAAUCAAAGCAAGGCCCAACCUGGCAAGCUGUAUAAACCAGGGGAAGGACUAGAGGU 181  
..110.....120.....130.....140.....150.....160.....170.....180.....190.....200.....210..



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dISFV-NC\_027999.1 ACUUCUU--GCUUACUCGCAGCAACCAACGAAA--GGCACAGUAGCCUGA-AACAUUCGGUGGUUGAUGUAGUAAACAACCA-GUUUCU---- 258  
MBFV-NC\_008719.1 ACUCCUUGAUUCUCACCUUUC---UCACCUUA--AGCACAGAUUGCUUG--AAUGCAGGGUGGGGAAGUUGGGAACCAACUA-GUGUCU---- 258  
MBFV-NC\_012735.1 ACUCCUUGAUUCUCACCUUUC---UCGCCCUA--AGCACAGAUUGCUUG--AAUGCAGGGUGGGGAAGUUGAGAACCAACUA-GUGUCU---- 258  
MBFV-NC\_002031.1 GUUCUCUGCUUUUCCUCCAGA--GGUCUGU-G-AGCACAGUUUGCUAAGAAUAAGCAACCUUUGGAUGACAAACACAAA-ACCACU---- 258  
dISFV-NC\_016997.1 AC-CUUUGGUUUUUCGACACU--AACUCUAU--GGCACAGAGCCCAU--AAGAAACGGAGUUGAUGGAAAAACAUA--GUAUCU---- 258  
dISFV-NC\_017086.1 ACUCGCGUAUUCACCGCCACC--AG-ACUACAC--GGCACAGCGCGCGG--AAAAGGUAUUUGGAGGUUGUAAACAACAA--GUAUCU---- 258  
MBFV-NC\_009028.2 UCCUCUGCUUUC---CAUCAC--CAGCCACUA--GGCACAGAUUCGCG-C-AAGUAGUGGCUUGGUGUG--AAAAACACAU-GGAUCU---- 258  
MBFV-NC\_040776.1 CCCUCUGCUG---CAACAC--CAGCCACUA--GGCACAGAUCGCG-A-AAUCUGUGGCUUGGUGUG--CAAAACACA--GGAUCU---- 258  
MBFV-NC\_034151.1 CCCUCUGCUUAUU--CAACAC--CAGCCACUC--GGCACAGAACGCG-U-AAGU-GUGGUGGUGGAAAAUAAACACAG-AG-UCU---- 258  
MBFV-NC\_001437.1 UCUUCUGCUCUAUCUCAACAU--CAGCUACUA--GGCACAGAGCGCG-A-AGUAUGUAGCUGGUGGUGAGGAAGAACACA--GGAUCU---- 258  
MBFV-NC\_007580.2 GAUCCCCUGCUUUUCAAACAC--CAGCCACA--GGCACAGAGCGCG-U-AAAGUGUGGUGGUGGUGGAAAA-AUCACA--GGAUCU---- 258  
MBFV-NC\_001563.2 UCUUCUGCUCU---GCACAAC--CAGCCACAC--GGCACAGUGCGCG-A-CAUAGGUGGUGGUGUGCU--AGAACACA--GGAUCU---- 258  
MBFV-NC\_009942.1 UCUUCUGCUCU---GCACAAC--CAGCCACAC--GGCACAGUGCGCG-A-CAUAGGUGGUGGUGGUGCG--AGAACACA--GGAUCU---- 258  
MBFV-NC\_000943.1 UCUUCUGCUCUAUUCCAACAU--CAGUCACA--GGCACCGAGCGCG-A-ACACUGUGACUGAUGGGGGAGAAGACCACA--GGAUCU---- 258  
MBFV-NC\_006551.1 UCUUCUGCUCUAUUCCAACAU--CAACACAA--GGCACAGAGCGCG-A-AAUUGUGGUGGUGGUGGGAACUAGACCACA--GGAUCU---- 258  
MBFV-NC\_012534.1 CCCUCUGUCCUA--ACAACAC--CAGCCAUCC--GGCACAGAGCGCG-U-AAG-UGUGGUGGUGGUG--GUAGAACACA--GUGUCU---- 258  
MBFV-NC\_015843.2 CCCUCUGUCCUA--ACAACAC--CAGCCACU--GGCACAGAUUCGCG-A-AAG-UGUGGUGGUGGUG--GUAGAACACA--GGAUCU---- 258  
MBFV-NC\_009026.2 AUUUGCUGCCU---CGCAACAC--CUCCACACC--GGCACAGAACGCG-A-CA-UGGUGGAGGGGUGC---UAAGACACCA-GAUUCU---- 258  
MBFV-NC\_009029.2 UUUGCUGCUCU---GGACUU--CCGUCUCU--GGCACAGAACGCG-U-UGA-GGAGCGGAGGCC---AAAAACC--AGAUCU---- 258  
MBFV-NC\_032088.1 UCCGCUGCUCU---GGAACC--CCAGUUCUA--GGCACAGAACGCG--UAA-UGAACUGGGGUGCC---AAAAACC--GAAUCU---- 258  
MBFV-NC\_012532.1 CUCCAUGAGUUUCCACCACG---UGGCGGCA--GGCACAGAUCGCGA-CUUCGGCGCGCGUGUGGG--GAAAUCCAUG--GUUUCU---- 258  
MBFV-NC\_035889.1 CUCCAUGAGUUUCCACCACG---UGGCGCCA--GGCACAGAUCGCGA-UAGCGCGCGCGGUGUGGG--GAAAUCCAUG--GGUCUU---- 258  
MBFV-NC\_002640.1 GAUCCUG-CUGUCUCUGCAAC--AUCAAUCCA--GGCACAGAGCGCGA-AGAUGGAUUGGUGUUGUUG--AUCCAACA--GGUUCU---- 258  
MBFV-NC\_001477.1 GAUCCUG-CUGUCUCUACAGC--AUCAAUCCA--GGCACAGAACGCGAAA-AAUUGGAUUGGUCUGUUG--AAUCAACA--GGUUCU---- 258  
MBFV-NC\_001475.2 GAUCCUG-CUGUCUCCUCAGC--AUCAAUCCA--GGCACAGAACGCGA-AAAUGGAUUGGUGCUGUUG--AAUCAACA--GGUUCU---- 258  
MBFV-NC\_001474.2 GAUCCUG-CUGUCUCCUCAGC--AUCAAUCCA--GGCACAGAACGCGA-AAAUGGAUUGGUGCUGUUG--AAUCAACA--GGUUCU---- 258  
MBFV-NC\_012533.1 CUCUGUUGGCUUUCCCCACAC--CAGCCCCCU--GGCACAGAGCGCGA---UCGGGGGUUGUUGUGGAGCAACCCAAC--AGGACU---- 258  
dISFV-NC\_024017.1 UGAUGUUGUUGUCAUUGCUG---ACAACGCCAUGGCACAGAGCGCUGAAGAGAGCUGUUGUUAUAAUUUACAAAAAAUAACAUAUCU---- 258  
dISFV-NC\_040610.1 U-ACACAUUUCUGGGCACUA---AACAAUACA-AGCACAGAGCGCUCGGAAGUAGUUGUUCUUGACGAGAGAAUUAU-GUAUAUCU-UGG 258  
MBFV-NC\_018705.3 UAGAGGAGAC-----CCCUUGCGAUGAACACCAACACAAAAACAGCAUUAUGACACCUGGGAAAGACUAGGAGACCCUCUGU 258  
.....220.....230.....240.....250.....260.....270.....280.....290.....300.....

