

MBFV-NC\_002031.1 -----UUGAGCGAU-UAGCAGAGAACUGACCAGAACAUUGC-----UGGUCGUA 43  
MBFV-NC\_012735.1 -----AAGGAGUAGAAGAAAG-GAGAUUCAUCCCAAUGGCAACAAGGGGAUGAAUA 52  
MBFV-NC\_008719.1 -----AAAGGGUAGAGAAAAAG-GAGUUUUGCUUCUCAUGGCAACAAGAGGAGCAAGCA 52  
dISFV-NC\_027999.1 -----UUGUUUGAGAGAACAGCGAGAAAGUACUACU-AUGGUUGAGAAAACUAGAGUAG 52  
dISFV-NC\_016997.1 -----CAUUAGAAUAGGUUUUGAAAGAGUUUGAAUC-AAUGAGAUCAAUGGUCUUUCGAG 52  
MBFV-NC\_012533.1 ----GUGUUGAG---AAAGAAAACAGAU-UCUUCGGAAAUAGAAAAC--CCAA---AAAAG 47  
MBFV-NC\_002640.1 ----UGUUUGA---AUAGAGAGCAGAUUCUCUGGAAAAAUG---AA--CCAACGAAAAAA 47  
MBFV-NC\_001474.2 ACAGUUUUUUUA---UUAGAGAGCAGAUUCUCUG-----AUGAAUAA--CCAACGGAAAAA 50  
MBFV-NC\_001477.1 AACAGUUUUUUUA---UUAGAGAGCAGAUUCUCUG-----AUGAACAA--CCAACGGAAAAA 50  
MBFV-NC\_001475.2 GACAGUUUUUUUA---UUAGAGAGCAGAUUCUCUG-----AUGAACAA--CCAACGGAAAGAA 50  
MBFV-NC\_012532.1 ----AUUUGGA---UUUGGAAACGAGAGUUUCUGGUCAUGAAAAACCCCAAAGAAGAAA 52  
MBFV-NC\_035889.1 ----UUUUGGA---UUUGGAAACGAGAGUUUCUGGUCAUGAAAAA-CCCAAAAAAGAAA 51  
dISFV-NC\_017086.1 UGAAUAGGUUUA---UUGUGAAUCGAAAUUACCG-----AUGGCGAA--UAAACCCAAGAA 50  
MBFV-NC\_001563.2 ----UGCGAGCUGUUUCUUGGCAC-GAAGA-UCUCGAUGUCU---AAGAAACCAGGAG 49  
MBFV-NC\_009942.1 ----UGCGAGCUGUUUCUUGACAC-GAAGA-UCUCGAUGUCU---AAGAAACCAGGAG 49  
MBFV-NC\_006551.1 ----GCCG-GCAGUUUCUUUGAGC-GUUGAUUUUCAAUUGUCU---AAGAAACCAGGAG 49  
MBFV-NC\_000943.1 ----U---GAACAGUUUUUUGAGC'UUUGAUUUUCAAUUGUCU---AAAAACCAGGAG 49  
MBFV-NC\_009029.2 ACACAGUGUGAACAAGUUUUUUUGAACAG-----CAAUGACC---AAAAAACAGGAA 49  
MBFV-NC\_032088.1 ----AGUGUGAACAAGUUUUUUUGAUCAGUGGA-----UAAUGACU---AAAAAACAGGAA 49  
MBFV-NC\_007580.2 ----GCGAAGCAGUUUUUUGACGGGAAU-UACCCAUGUCU---AAAAAACAGGAA 49  
MBFV-NC\_012534.1 ----AGUUUGAACG'UUUUUUGGAGAGAGAUUAUU----AUGUUUAACAAAAAACAGGAA 52  
MBFV-NC\_015843.2 ----AGUUUGAACG'UUUUUUGGAGAGAGACAACU----AUGUCUAACAAAAAACAGGAA 52  
MBFV-NC\_009028.2 ----UCUGAAUAGUUUUU-AGCAAGGGA-UUUCCAUGUCU---AAAAAACAGGAA 49  
MBFV-NC\_040776.1 ----UCUGAAUAGUUUUU-AGCAGAGGU-ACUACCAUGUCU---AAAAAACAGGAG 49  
MBFV-NC\_034151.1 ----UGAAUAGUUUUUUGAACAGAGGUGAAAACCAUGUCU---AAAAAACAGGAG 49  
MBFV-NC\_009026.2 UCGAGGAAAGA-----CGAGAAGCGAAUUCUCUGAAUGGCU---AGAAACCAGGAA 49  
dISFV-NC\_040610.1 A-----AAGAAGUCAAAACUAGAAAUUUAAUUUCAUUGGUU---AGACAACUAGGAA 49  
dISFV-NC\_024017.1 -----UGAUAGAGUUGACUAGAUAAACGAAUUAUCGAUGGUG---ACUAAAUCAAGAA 49  
MBFV-NC\_001437.1 -----UUAACAGUUUUUUGAACCGGAAGAUAAACCAUGACU---AAAAAACAGGAG 49  
.....10.....20.....30.....40.....50.....6



...(((.....((((((((((((((((.....  
MBFV-NC\_002031.1 AAGCU CAGGGGAAAAACC CUGGGCGUCAAUAUGGUACGACGAGGAGUUCGCUCCUUGU--- 100  
MBFV-NC\_012735.1 AGUCU CGGGCUCGAUCC CGAGGCGUCAAUAUGGUAGCGGCUCAGAG-----UGA--- 100  
MBFV-NC\_008719.1 AGUCU CGGGUACGACACC GGGGCGUCAAUAUGGUAGCGGCCAAGG-----CCA--- 100  
dISFV-NC\_027999.1 GAUCU CCGGUTUAAAACC CGGGUGUCAAUAUGGUUAGGCGUACUG-----GAA--- 100  
dISFV-NC\_016997.1 CUAGGAGGCCCCGUUAAACCGGGCCGUCGAUUAUAUAAAACGUAAG-----CUGC--- 100  
MBFV-NC\_012533.1 G--GC---C--GCAUCGCGGCCUAUCAAUAUGCUGAAGCGCUUUGGAUCUAGCGCUGGGCC 100  
MBFV-NC\_002640.1 G--GU---G--GUUAGACACCCUUUCAAUAUGCUGAAACGCGAGAGAAACCGCGUAUCA 100  
MBFV-NC\_001474.2 G--GC---G--AAAAACCGCCUUUCAAUAUGCUGAAACGCGAGAGAAACCGCGUGU--- 100  
MBFV-NC\_001477.1 G--AC---G--GGUCGACCGUCUUUCAAUAUGCUGAAACGCGCGAGAAACCGCGUGU--- 100  
MBFV-NC\_001475.2 G--AC---G--GGAAAAACGUCUAUCAAUAUGCUGAAACGCGUGAGAGAAACCGUGUGU--- 100  
MBFV-NC\_012532.1 U--CC---GGAGGA-UCCGGAUUGUCAAUAUGCUAAAACGCGGAGUAGCCCGUG----- 100  
MBFV-NC\_035889.1 U--CC---GGAGGAUUCCGGAUUGUCAAUAUGCUAAAACGCGGAGUAGCCCGUG----- 100  
dISFV-NC\_017086.1 G--CC---C--GGAAGACCGGCCUAUCCGAUUAUGUGAGACGUGCGUUGCCUCGCGUCU--- 100  
MBFV-NC\_001563.2 GGCC---GGUAAAAACCGGGCUGUCAAUAUGCUAAAACGCGGUUAUGCCCCGCG----- 100  
MBFV-NC\_009942.1 GGCC---GGCAAGAGCCGGGCUGUCAAUAUGCUAAAACGCGGAAUUGCCCCGCG----- 100  
MBFV-NC\_006551.1 GGCC---GGAAGAAACCGGGCCAUCAAUAUGCUGAAACGCGGCAUACCCCGCG----- 100  
MBFV-NC\_000943.1 GACC---GGGAAGCCCCGGGUCGUCAAUAUGCUAAAACGCGGCAUACCCCGCG----- 100  
MBFV-NC\_009029.2 GGCC---GGUAGAAAUCCGGGCCGUCAAUAUGCUAAAACGCGGUGCGUCCCGCG----- 100  
MBFV-NC\_032088.1 AGUC---GGCAAUCGUCGGACUGUCAAUAUGCUAAAACGCGGAGCAUCCCGCG----- 100  
MBFV-NC\_007580.2 AACC---GGUAGAAACCGGUUGUCAAUAUGCUAAAACGCGGCGUAUCCCGCG----- 100  
MBFV-NC\_012534.1 AACC---GGGCAACCCGGGUUGUCAAUAUGCUAAAAGCGGGUGACUCC----- 100  
MBFV-NC\_015843.2 GACC---GGCUCAGCCGGGUUGUCAAUAUGCUAAAAGCGCGUAGACGUCCC----- 100  
MBFV-NC\_009028.2 AGUC---GCUGCAAAGCGGACUGUCAAUAUGCUAAAACGCCUGGCUAGCGGUGU----- 100  
MBFV-NC\_040776.1 GACC---GCCGGAAGGCGGUUGUCAAUAUGCUGAAACGCCACGCCAGCGGUU----- 100  
MBFV-NC\_034151.1 GACC---GGAAAGAACCGGGUCGUUAAUAUGCUGAAGCGCAUACCCCGCUA----- 100  
MBFV-NC\_009026.2 GACC---GGAGGAAACCGGUCGUCAAUAUGCUAAAAGCGUACGGCGGCCAACG----- 100  
dISFV-NC\_040610.1 AGACC---GUUGCAAGACGGUCUGUCAAUAUGCGAAAGCGGAUUAACCAACCGCU----- 100  
dISFV-NC\_024017.1 AGCC---GCCGCAAGCCGGGUCGUUAAUAUGCUAACACGCGUACCAAGCCGUG----- 100  
MBFV-NC\_001437.1 GGCC---GGUAAAAACCGGCCUAUCAAUAUGCUGAAACGCGGCCUACCCCGCG----- 100  
0.....70.....80.....90.....100.....110.....1



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MBFV-NC\_002031.1 NNNNNNNN-AGGGAGCAAAUAGUGGGACCAUAUUGACGCCAGGG-A-AAGACC-GGAGUGG 156  
MBFV-NC\_012735.1 NNNNNNNN-CCGAGCACACUAGCGGACCAUAUUGACGCCAGGG-A-AAGACC-GGAGACA 156  
MBFV-NC\_008719.1 NNNNNNNN-CCGAGCAC-UAUAGCGGACCAUAUUGACGCCUGGG-A-AAGACC-GGAGACA 155  
dISFV-NC\_027999.1 NNNNNNNN-CC-AUUGGAAAUUUAGCUUCAAUAUUGACACCAGGGAA-AAGACC-GGAGAAA 156  
dISFV-NC\_016997.1 NNNNNNNN-CAAAAAUGUAUAGGCUAUAUAUUGACACCUAGG-A-AAGACU-GGAGUA 155  
MBFV-NC\_012533.1 NNNNNNNNAUAAC--CAACAUAAAACAGCAUAUUGACACCUGGGA--AAGACCGG-AGACU 155  
MBFV-NC\_002640.1 NNNNNNNNCCCCC-AACACAAAAACAGCAUAUUGACG-CUGGGA--AAGACCAG-AGAUC 155  
MBFV-NC\_001474.2 NNNNNNNNCCCCCG-AAACAAAAAACAGCAUAUUGACG-CUGGGA--AAGACCAG-AGAUC 155  
MBFV-NC\_001477.1 NNNNNNNNCCCCGCA-CACACAAACAGCAUAUUGACG-CUGGGA--GAGACCAG-AGAUC 155  
MBFV-NC\_001475.2 NNNNNNNNCCCCCG-CAAAUAAAAACAGCAUAUUGACG-CUGGGA--GAGACCAG-AGAUC 155  
MBFV-NC\_012532.1 NNNNNNNNCCCCGGAAAACGCAAAACAGCAUAUUGACG--UGGGA--AAGACCAG-AGACU 155  
MBFV-NC\_035889.1 NNNNNNNN-CCCGGAAAACGCAAAACAGCAUAUUGACG-CUGGGA--AAGACCAG-AGACU 155  
dISFV-NC\_017086.1 NNNNNNNNCCC--AAAAUAGAGGGGCACUAAUCCGACACUUGGGA--AAGACCAG-AGGUA 155  
MBFV-NC\_001563.2 NNNNNNNNNAACAC-CA-AAAGAAACAGCAUAUUGACACCUGGGA--UAGACUAGGGGAUC 156  
MBFV-NC\_009942.1 NNNNNNNNAACACC-AC-AAACAAACAGCAUAUUGACACCUGGGA--UAGACUAGGAGAU 156  
MBFV-NC\_006551.1 NNNNNNNNUAAGCA-UC-AAAAAACAGCAUAUUGACACCUGGGAUUAAGACUAGGAGAU 158  
MBFV-NC\_000943.1 NNNNNNNNAAAGC-AU-CAACAACAGCAUAUUGACACCUGGGAA-AGACUAGGAGAU 157  
MBFV-NC\_009029.2 NNNNNNNNAGCGCA-AA-CACAAACAGCAUAUUGACACCUGGGA--AAGACUAGGGGAUU 156  
MBFV-NC\_032088.1 NNNNNNNNUUACCGC-AA-AACAAAACAGCAUAUUGACACCUGGGA--UAGACUAGGAGAU 156  
MBFV-NC\_007580.2 NNNNNNNNCCGUUA-ACGCAAAACAGCAUAUUGACACCUGGAA--AGAC-AGGAGAU 155  
MBFV-NC\_012534.1 NNNNNNNNAACACC-AA-AACAAAACAGCAUAUUGACACCUGGGA--GAGACUAGGAGACC 156  
MBFV-NC\_015843.2 NNNNNNNNGAACAC-CA-CAAGAAACAGCAUAUUGACACCUGGGA--UAGACUAGGAGACC 156  
MBFV-NC\_009028.2 NNNNNNNNCAAGCG-CGAA-ACAAACAGCAUAUUGACGCCUGGGA--AAGACCGGAGAU 156  
MBFV-NC\_040776.1 NNNNNNNN-AAGCG-CAAAGACAAACAGCAUAUUGACACCUGGGA--AAGACCGGAGACC 156  
MBFV-NC\_034151.1 NNNNNNNNGAA-CG-CAAAUAAAAACAGCAUAUUGACACCUGGGA--UAGACUGGAGACC 156  
MBFV-NC\_009026.2 NNNNNNNN-ACGCA-CCAAAGAAACAGCAUAUUGACACCUGGGA--UAGACCGGAGAAU 156  
dISFV-NC\_040610.1 NNNNNNNNCUCAU-AUUUAUUAUAAACAGCAUAUUGACACCAGGGA--UAGACCGGAGAA- 156  
dISFV-NC\_024017.1 NNNNNNNNCUGCUG--AGAGCAAAUAGCAUAUUGACACUUGGGAA-GAGACCAG-AGAU 156  
MBFV-NC\_001437.1 NNNNNNNN-----CAUAUUGA---CACCUGGGAA-UAGACUGGAGAU 139  
20.....130.....140.....150.....160.....170.....1



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MBFV-NC\_002031.1 UUCUCUGCU-----U-U 167  
MBFV-NC\_012735.1 CUCCUUGAU-----UC- 167  
MBFV-NC\_008719.1 CUCCUUGAU-----UCU 167  
dISFV-NC\_027999.1 CUUCUUGCU-----U-A 167  
dISFV-NC\_016997.1 CCUUUGGUU-----CUU 167  
MBFV-NC\_012533.1 CUGUUGGCU-----UUC 167  
MBFV-NC\_002640.1 CUGCUGUCU-----CUG 167  
MBFV-NC\_001474.2 CUGCUGUCU-----CCU 167  
MBFV-NC\_001477.1 CUGCUGUCU-----CUA 167  
MBFV-NC\_001475.2 CUGCUGUCU-----CCU 167  
MBFV-NC\_012532.1 CCAUGAGUU-----UCC 167  
MBFV-NC\_035889.1 CCAUGAGUU-----UCC 167  
dISFV-NC\_017086.1 CUCGCUGAU-----UCA 167  
MBFV-NC\_001563.2 UUCUGC-UC-----UGC 167  
MBFV-NC\_009942.1 UUCUGC-UC-----UGC 167  
MBFV-NC\_006551.1 UUCUGC-UC-----U-- 167  
MBFV-NC\_000943.1 UUCUGC-UC-----UA- 167  
MBFV-NC\_009029.2 UGCUGC-UC-----UGG 167  
MBFV-NC\_032088.1 CGCUGC-UC-----UGG 167  
MBFV-NC\_007580.2 CCCUGCUU-----UUC 167  
MBFV-NC\_012534.1 CUCUGU-CC-----UAA 167  
MBFV-NC\_015843.2 CUCUGU-CC-----UAA 167  
MBFV-NC\_009028.2 CUCUGC-UC-----UCC 167  
MBFV-NC\_040776.1 CUCUGC-UC-----UGC 167  
MBFV-NC\_034151.1 CUCUGC-UU-----AUU 167  
MBFV-NC\_009026.2 UGCUGCCU-----GC 167  
dISFV-NC\_040610.1 -UACACAAU-----UUC 167  
dISFV-NC\_024017.1 UGAUGU-UG-----UUU 167  
MBFV-NC\_001437.1 UUCUGCUCUAUCUCAACAUACGCUACUA 167  
80.....190.....200.....

