

MBFV-NC\_012532.1 -----AUUUGGAUUU---GGAAACGAGAG-UUUCUGG--UCAUGAAAAACCCCAAAAG 46  
MBFV-NC\_035889.1 -----UUUUGGAUUU---GGAAACGAGAG-UUUCUGG--UCAUGAAAAA-CCCAAAA 45  
MBFV-NC\_001477.1 -----AACAGUUUUUUAUUAGAGAGCAGA-UCUCUG----AUGAACAA--CCAACG 44  
MBFV-NC\_001475.2 -----GACAGUUUUUUAUUAGAGAGCAGA-UCUCUG----AUGAACAA--CCAACG 44  
MBFV-NC\_001474.2 -----ACAGUUUUUUAUUAGAGAGCAGA-UCUCUG----AUGAAUAA--CCAACG 44  
MBFV-NC\_002640.1 -----UGUUUGAAUAGAGAGCAGA-UCUCUGGAAAAAUG--AA--CCAACG 41  
MBFV-NC\_012533.1 -----GUGUUGAGAAAGAAAAGCAUUCUUCGGAA--AUGAA-----AACC 39  
MBFV-NC\_000943.1 -----UGAACAGUUUUUUGGAGCUUUUGAUUU--CAA----AUGUCU---AAAAAAC 43  
MBFV-NC\_006551.1 -----GCCGGCAGUUCUUGGAGC-GUUGAUUU--UCA----AUGUCU---AAGAAAC 43  
MBFV-NC\_001563.2 -----UGCGAGCUGUUUCUUGGCAC-GAAGAUCU--C-G----AUGUCU---AAGAAAC 43  
MBFV-NC\_009942.1 -----UGCGAGCUGUUUCUAGCAC-GAAGAUCU--C-G----AUGUCU---AAGAAAC 43  
MBFV-NC\_007580.2 -----GCGAACAGUUUUUU--AGCAGGGAAUUAACCA--AUGUCU---AAAAAAC 43  
MBFV-NC\_034151.1 -----UGAAUAGUUUUUU-GAACAAGGUGAGAAAC--AUGUCU---AAAAAAC 43  
MBFV-NC\_009028.2 -----UCUGAAUAGUUUUUU--AGCAAGGGA-UUUC--AUGUCU---AAAAAAC 43  
MBFV-NC\_040776.1 -----UCUGAAUAGUUUUUU--AGCAAGGU-ACUACC--AUGUCU---AAAAAAC 43  
MBFV-NC\_009026.2 -----UCG--AGGAAGACGAGAAGCGAAUUCUCUGA--AUGGCU---AGAAAC 43  
MBFV-NC\_009029.2 ACACAGUGUGAACAAGUUUUUGAACAGCA-----AUG-----ACCAAAAAAC 43  
MBFV-NC\_032088.1 -----AGUGUGAACAAGUUUUUGAUCAGUG--GAUA-----AUG---ACUAAAAAAC 43  
MBFV-NC\_012534.1 -----AGUUUGAAC--GUUUUUUGGAGAGAGAUUAAU-----AUGUUUAACAAAAAAC 46  
MBFV-NC\_015843.2 -----AGUUUGAAC--GUUUUUUGGAUAGAGACAACU-----AUGUCUAAACAAAAAAC 46  
MBFV-NC\_001437.1 -----UUAAACAGUUUUUUAGAACGGAAGAUAA--CC--AUGACU---AAAAAAC 43  
MBFV-NC\_012735.1 -----AAGGAGUAGAAGAAAGGAGAUUCAUUCUCCAAUGGCAACAAAGGGGA 46  
MBFV-NC\_008719.1 -----AAAGGUAAGAAAGAGAGUUUGUUCUCAUGGCAACAAGAGGAG 46  
MBFV-NC\_002031.1 -----UUGAGCGAUUAGAGAGAACUGACCAGAACAUAGUC-----UG 37  
.....10.....20.....30.....40.....50.....6



MBFV-NC\_012532.1 AAGAAAUC--C---GGAGGA-UCCGGAUUG-CAAAUUGCUAAAACGCGGAGUAGCCCGUG 100  
MBFV-NC\_035889.1 AAGAAAUC--C---GGAGGAUUCGGAUUG-CAAAUUGCUAAAACGCGGAGUAGCCCGUG 100  
MBFV-NC\_001477.1 GAAAAAGA--C---GGGUCGACC--GUCUU-CAAAUUGCUGAAACGCGCGAGAAACCGCG 97  
MBFV-NC\_001475.2 GAAGAAGA--C---GGGAAAACC--GUCUA-CAAAUUGCUGAAACGCGUGAGAAACCGUG 97  
MBFV-NC\_001474.2 GAAAAAGG--C---GAAAAACAC--GCCUU-CAAAUUGCUGAAACGCGAGAGAAACCGCG 97  
MBFV-NC\_002640.1 AAAAAAGG--U---GGUAGACC--ACCUU-CAAAUUGCUGAAACGCGAGAGAAACCGCG 94  
MBFV-NC\_012533.1 CAAAAAAG--G---GCCGCAUCGCGGCCUA-CAAAUUGCUGAAGCGCUUUGGAUCUAGCG 94  
MBFV-NC\_000943.1 CAGGAGGACCC--GGGAAGCCCCGGGUCG-CAAAUUGCUGAAAACGCGGCAUACCCCGCG 100  
MBFV-NC\_006551.1 CAGGAGGGCCC--GGAAGAAACCGGCCA-CAAAUUGCUGAAACGCGGCAUACCCCGCG 100  
MBFV-NC\_001563.2 CAGGAGGGCCC--GGUAAAAACCGGGCUG-CAAAUUGCUGAAAACGCGGUUAGCCCGCG 100  
MBFV-NC\_009942.1 CAGGAGGGCCC--GGCAAGAGCCGGGUCG-CAAAUUGCUGAAAACGCGGAAUCCCCGCG 100  
MBFV-NC\_007580.2 CAGGAAAACCC--GGUAGAAACCGGGUUG-CAAAUUGCUGAAAACGCGGCUUACCCCGCG 100  
MBFV-NC\_034151.1 CAGGAGGACCC--GGAAAGAACCGGGUCG-UAAAUUGCUGAAGCGCACAUCCGCGCUA 100  
MBFV-NC\_009028.2 CAGGAAAGUCC--GCUGCAAAGCGGACUG-CAAAUUGCUGAAAACGCCUGGCUAGCGUGU 100  
MBFV-NC\_040776.1 CAGGAGGACCC--GCCGGAAGGCGGGUUG-CAAAUUGCUGAAGCGCCACGCCAGCUUU 100  
MBFV-NC\_009026.2 CAGGAAGACCC--GGAGAAACCGGGUCG-CAAAUUGCUGAAGCGUACGCGGCCAACG 100  
MBFV-NC\_009029.2 CAGGAAGGCCC--GGUAAAAACCGGGCCG-CAAAUUGCUGAAAACGCGGUGCGUCCCGCG 100  
MBFV-NC\_032088.1 CAGGAAAGUCC--GGCAAUCGUCGGACUG-CAAAUUGCUGAAGCGCGGAGCAUCCCGCG 100  
MBFV-NC\_012534.1 CAGGAAAACCC--GGGGCAACCCGGGUUG-CAAAUUGCUGAAGCGCGGUGCAUCC-- 100  
MBFV-NC\_015843.2 CAGGAAGACCC--GGCUCAGGCCGGGUUG-CAAAUUGCUGAAGCGCGGAACGCUCC-- 100  
MBFV-NC\_001437.1 CAGGAGGGCCC--GGUAAAAACCGGGCUA-CAAAUUGCUGAAGCGCGGCCUACCCCGCG 100  
MBFV-NC\_012735.1 UGAAUAAGUCUGGGCUCGACUCCGAGGGCG-CAAAUUGGUG--CGGCCUAG----- 95  
MBFV-NC\_008719.1 CAAGCAAGUCUCGGGUCACGACCCGGGGCG-CAAAUUGGUGA--CGGCCA----- 95  
MBFV-NC\_002031.1 GUCGUAAAGCUCAGGGAAAACCCUGGGCG-CAAAUUGGU--A--CGACGAGGAGUUCGCU 94  
0.....70.....80.....90.....100.....110.....1



MBFV-NC\_012532.1 -----NNNNNNNCCCGGAAAACGCAAAACAGCAUAUUGAC-G-UUGGA--AAGACCAG 150  
MBFV-NC\_035889.1 -----NNNNNNN-CCCGGAAAACGCAAAACAGCAUAUUGAC-GCUGGGA--AAGACCAG 150  
MBFV-NC\_001477.1 UGU---NNNNNNNCCCGCACAAAC-CAAAACAGCAUAUUGAC-GCUGGGA--GAGACCAG 150  
MBFV-NC\_001475.2 UGU---NNNNNNNCCCGCAAUA-AAAACAGCAUAUUGAC-GCUGGGA--GAGACCAG 150  
MBFV-NC\_001474.2 UGU---NNNNNNNCCCGGAAACAA-AAAACAGCAUAUUGAC-GCUGGGA--AAGACCAG 150  
MBFV-NC\_002640.1 UAUCAANNNNNNNCCCCCAACACA-AAAACAGCAUAUUGAC-GCUGGGA--AAGACCAG 150  
MBFV-NC\_012533.1 CUGGCCNNNNNNNAUAACCAA--CAUAAAACAGCAUAUUGACACCUGGGA--AAGACCGG 150  
MBFV-NC\_000943.1 -----NNNNNNNAAAAGCAUC--AAACAACAGCAUAUUGACACCUGGGAA-AAGACUAG 151  
MBFV-NC\_006551.1 -----NNNNNNN-UAAGCAUCA-AAAAAACAGCAUAUUGACACCUGGGAUUAGACUAG 152  
MBFV-NC\_001563.2 -----NNNNNNNAAAACACC-AA-AAGAAACAGCAUAUUGACACCUGGGA--UAGACUAG 150  
MBFV-NC\_009942.1 -----NNNNNNNNAACACCA-CA-ACAAAACAGCAUAUUGACACCUGGGA--UAGACUAG 150  
MBFV-NC\_007580.2 -----NNNNNNNCCGUAAACGC-AAACAACAGCAUAUUGACACCUGGGA--AGACAGG 150  
MBFV-NC\_034151.1 -----NNNNNNNGAA-CGCAAA-UAAAAACAGCAUAUUGACACCUGGGA--UAGACUGG 150  
MBFV-NC\_009028.2 -----NNNNNNNCAAGCGCGAA--ACAAACAGCAUAUUGACGCCUGGGA--AAGACCGG 150  
MBFV-NC\_040776.1 -----NNNNNNN-AAGCGCAA-GACAAACAGCAUAUUGACACCUGGGA--AAGACCGG 150  
MBFV-NC\_009026.2 -----NNNNNNN-ACGCACAA-AAGAAACAGCAUAUUGACACCUGGGA--UAGACCGG 150  
MBFV-NC\_009029.2 -----NNNNNNN-AGCGCAAAC-ACAAAACAGCAUAUUGACACCUGGGA--AAGACUAG 150  
MBFV-NC\_032088.1 -----NNNNNNN-UACCGCAA-ACAAAACAGCAUAUUGACACCUGGGA--UAGACUAG 150  
MBFV-NC\_012534.1 -----NNNNNNN-AACACCAA-ACAAAACAGCAUAUUGACACCUGGGA--GAGACUAG 150  
MBFV-NC\_015843.2 -----NNNNNNNGAACACCACA-A-GAAACAGCAUAUUGACACCUGGGA--UAGACUAG 150  
MBFV-NC\_001437.1 -----NNNNNNN-CAUAUUGACACCUGGGAA-UAGACUGG 133  
MBFV-NC\_012735.1 -AGUGANNNNNNNCCGAGCACACAUAGC-GGACCAUAUUGACGCCAGGGAAAGACCGGAG 153  
MBFV-NC\_008719.1 -GGCCANNNNNNNCCGAGCAC-UAUAGC-GGACCAUAUUGACGCCUGGGAAGACCGGAG 152  
MBFV-NC\_002031.1 CCUUGUNNNNNNNNAGG-GAACAAAUAGUGGGACCAUAUUGACGCCAGGGAAAGACCGGAG 153  
20.....130.....140.....150.....160.....170.....1



MBFV-NC\_012532.1 )..)))))..... 167  
MBFV-NC\_035889.1 AGACUCCAUGAGUUUCC----- 167  
MBFV-NC\_001477.1 AGAUCCUGCUGUCUCUA----- 167  
MBFV-NC\_001475.2 AGAUCCUGCUGUCUCCU----- 167  
MBFV-NC\_001474.2 AGAUCCUGCUGUCUCUG----- 167  
MBFV-NC\_002640.1 AGAUCCUGCUGUCUCUG----- 167  
MBFV-NC\_012533.1 AGACUCUGUUGGCUUUC----- 167  
MBFV-NC\_000943.1 GAGAUCUUCUGCUCUA----- 167  
MBFV-NC\_006551.1 GAGAUCUUCUGCUCU----- 167  
MBFV-NC\_001563.2 GGGAUUCUUGCUCUCUGC----- 167  
MBFV-NC\_009942.1 GAGAUCUUCUGCUCUGC----- 167  
MBFV-NC\_007580.2 AGAUCCUGCUCUUUUC----- 167  
MBFV-NC\_034151.1 GAGACCCUGCUCUAAU----- 167  
MBFV-NC\_009028.2 GAGAUCUCUGCUCUUC----- 167  
MBFV-NC\_040776.1 GAGACCCUGCUCUCUGC----- 167  
MBFV-NC\_009026.2 AGAAUUGCUGCCUGC----- 167  
MBFV-NC\_009029.2 GGGAUUUGCUGCUCUGG----- 167  
MBFV-NC\_032088.1 GAGAUCGCGCUGCUCUG----- 167  
MBFV-NC\_012534.1 GAGACCCUGGUCCUAA----- 167  
MBFV-NC\_015843.2 GAGACCCUGGUCCUAA----- 167  
MBFV-NC\_001437.1 GAGAUCUUCUGCUCUAUCUCAACAUCAGCUACUA 167  
MBFV-NC\_012735.1 ACACUCUUGAUUC----- 167  
MBFV-NC\_008719.1 ACACUCUUGAUUC----- 167  
MBFV-NC\_002031.1 UGGUUCUGCUCU-U----- 167  
80.....190.....200.....210..

