

MBFV-NC\_012534.1 CC----GUA AACACAGUUUGAACGUUUUUUGGAGA-GAG---AUUAU-----UAUGUUUA 47  
MBFV-NC\_015843.2 AC-----GUA AACACAGUUUGAACGUUUUUUGGAUA-GAG---ACAAC-----UAUGUCUA 47  
MBFV-NC\_009028.2 U-----UUA AACACAGUCUGAAUAGUUUUUUAGCA-AGGGA-UUUCC-----CAUGUCUA 47  
MBFV-NC\_040776.1 U-----UUA AACACAGUCUGAAUAGUUUUUUAGCA-GAGGU-ACUAC-----CAUGUCUA 47  
MBFV-NC\_001563.2 A-----UUA AACACAGUGCGAGCUGUUUCUUGGCACGAAGA-UCUC-----GAUGUCUA 47  
MBFV-NC\_009942.1 A-----UUA AACACAGUGCGAGCUGUUUCUAGCACGAAGA-UCUC-----GAUGUCUA 47  
MBFV-NC\_034151.1 -----UUA AACACAGUGUGAAUAGUUUUUUUGAACAGAGGUGAAAAC-----CAUGUCUA 47  
MBFV-NC\_007580.2 -----UAACUUGACUGCGAACAGUUUUUUUAGCA-GGGAAUUACCC-----AAUGUCUA 47  
MBFV-NC\_000943.1 -----UAACGCGGUUGAACAGUUUUUUUGGAGCUUUUGAUUUCA-----AAUGUCUA 47  
MBFV-NC\_006551.1 -----UUA AACACAGUGCCCGGCAGUUUCUUUGAGC-GUUGAUUUUC-----AAUGUCUA 47  
MBFV-NC\_001437.1 -----UUAGUGCAGUUUA AACAGUUUUUUAGAACGGAAGAUAAACC-----AUGACUA 47  
MBFV-NC\_009026.2 -----AGAAAAGUUUCGAGGAAAGACGAGAAGCGAAUUCUCUG-----AAUGGCUA 47  
MBFV-NC\_009029.2 UGAUUACAUA AACACAGUGUGAAACAAGUUUUUUUGAACAG-----C-----AAUGACCA 47  
MBFV-NC\_032088.1 UC----UAUAACUCAGUGUGAAACAAGUUUUUUUGAUCAGUGGAU-----AAUGACUA 47  
MBFV-NC\_012532.1 AA-----CAGGUUUA-----AUUUGAUUUUGGAAACGAGAGUUUCUGG--UCAUGAAAA 47  
MBFV-NC\_035889.1 AC-----AGGUUUUA-----UUUUGGAUUUGGAAACGAGAGUUUCUGG--UCAUGAAAA 47  
MBFV-NC\_012533.1 AA-----CAGUUUUC-----GUGUUGAGAAAGAAAACAGAUUCUUCGG--AAAUGAAAA 47  
MBFV-NC\_001474.2 -C-----GUAGUUCUAACAGUUU-UUU-AUUAGAGAGCAG-AUCUCUG----AUGAAUA 47  
MBFV-NC\_001477.1 AC-----GUAGUUCUAACAGUUU-UUU-AUUAGAGAGCAG-AUCUCUG----AUGAACA 47  
MBFV-NC\_01475.2 AC-----GUAGUGCUGACAGUUU-UUU-AUUAGAGAGCAG-AUCUCUG----AUGAACA 47  
MBFV-NC\_002640.1 -----UCUAACAGUUUGUUUGAAUAGAGAGCAG-AUCUCUGGAAAAAUG---A 44  
MBFV-NC\_002031.1 -----UAAUCGUUCGUUGAGC--GAUUAGCAGAGAACUGACCAGA--ACAUGUC-- 45  
MBFV-NC\_008719.1 -----AUUUCUACUGAAAGGGUAGAGAA--AAGGAGUUUUGCUUC--UCAUGGCAA 47  
MBFV-NC\_012735.1 -----UUUCUACUG-AAAGGAGUAGAAGAAAGGAGAUUCAUUC--CAAUGGCAA 47  
MBFV-NC\_018705.3 CC----GUA AACACAGUUUGAAC-GUUUUUUUGGAGAGAGACUACU-----AUGUCA 47  
.....10.....20.....30.....40.....50.....6



.....((((((((.....((((.....((((((((((((((((.....  
MBFV-NC\_012534.1 ACAAAAAACCAGGAAAACCC---GGGGCAACC CGGUUGCAAUAUGCUAAAGCGCGGUG 104  
MBFV-NC\_015843.2 ACAAAAAACCAGGAAGACCC---GGCUCAGGC CGGUUGCAAUAUGCUAAAGCGCGGAA 104  
MBFV-NC\_009028.2 ---AAAAACCAGGAAAGUCC---GCUGCAAAG CGGACUGCAAUAUGCUAAAACGCCUGG 101  
MBFV-NC\_040776.1 ---AAAAACCAGGAGGACCC---CCCGGAAGG CGGUUGCAAUAUGCUGAAACGCCCAG 101  
MBFV-NC\_001563.2 ---AGAAACCAGGAGGGCCC---GGUAAAAAC CGGCUGCAAUAUGCUAAAACCGCGUA 101  
MBFV-NC\_009942.1 ---AGAAACCAGGAGGGCCC---GGCAAGAGC CGGCUGCAAUAUGCUAAAACCGCGAA 101  
MBFV-NC\_034151.1 ---AAAAACCAGGAGGACCC---GGAAAGAAC CGGUUGCAAUAUGCUGAAGCGCACAU 101  
MBFV-NC\_007580.2 ---AAAAACCAGGAAAACCC---GGUAGAAAC CGGUUGCAAUAUGCUAAAACCGCGCG 101  
MBFV-NC\_000943.1 ---AAAAACCAGGAGGACCC---GGGAAGCCC CGGUUGCAAUAUGCUAAAACCGCGCA 101  
MBFV-NC\_006551.1 ---AGAAACCAGGAGGGCCC---GGAAGAAAC CGGGCCAUAUAUGCUGAAACCGCGGA 101  
MBFV-NC\_001437.1 ---AAAAACCAGGAGGGCCC---GGUAAAAAC CGGCUAUAUAUGCUGAAACCGCGCC 101  
MBFV-NC\_009026.2 ---GAAACCAGGAAGACCC---GGAGGAAAC CGGUUGCAAUAUGCUAAAGCGUACGG 101  
MBFV-NC\_009029.2 ---AAAAACCAGGAAGGCC---GGUAGAAAU CGGGCCGCAAUAUGCUAAAGCGCGGUG 101  
MBFV-NC\_032088.1 ---AAAAACCAGGAAAGUCC---GGCAAUCGU CGGACUGCAAUAUGCUAAAGCGCGGAG 101  
MBFV-NC\_012532.1 ---ACCCCAAAGAAGAAAUCC---GGAGGA-UC CGGAUUGCAAUAUGCUAAAACGC---G 98  
MBFV-NC\_035889.1 --A-CCCAAAAAAGAAAUCC---GGAGGAUUC CGGAUUGCAAUAUGCUAAAACGC---G 98  
MBFV-NC\_012533.1 ---CCCAAAAAAGG---CCCGCAUCG CGGCCUAUAUAUGCUGAAGCGCUUUG 95  
MBFV-NC\_001474.2 --A-CCAACGGA AAAAGGC---G--AAAAACACGCCUUAUAUAUGCUGAAACCGCGA 98  
MBFV-NC\_001477.1 --A-CCAACGGA AAAAGAC---G--GGUCGA CCGUCUUAUAUAUGCUGAAACCGCGCA 98  
MBFV-NC\_001475.2 --A-CCAACGGA AGAAGAC---G--GGAAAC CCGUCUAUAUAUGCUGAAACCGCGUA 98  
MBFV-NC\_002640.1 --A-CCAACGGA AAAAGGU---G--GUUAGA CACCUUAUAUAUGCUGAAACCGCGA 95  
MBFV-NC\_002031.1 ---UGGUC--GUAAAGCUCAGGGAAAAACC CUGGGCGCAAUAUGGUAACGACGAGGAG 98  
MBFV-NC\_008719.1 CAAGAGGAGCAAGCAAGUCUCGGGUCACGACC CGGGCGCAAUAUGGU--GACGGCCAA 105  
MBFV-NC\_012735.1 CAAAGGGGAUGAAUAAGUCUCGGGUCUGAUC CAGGGCGCAAUAUGGU--AGCGGCUAG 105  
MBFV-NC\_018705.3 ACAAAAAACCAGGAAGACCC---GGGGCAACC CGGUUGCAAUAUGCUAAAGCGCGCG 104  
0.....70.....80.....90.....100.....110.....1



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MBFV-NC\_012534.1 CAUCCC-----NNNNNNNN-----GGAGACCCCUUGCGAGUUAACACCAAA-ACAAA 149  
MBFV-NC\_015843.2 CGUCCC-----NNNNNNNN-----AGGAGACCCCUUGCGAGUGAAACACCACA-A-GAA 149  
MBFV-NC\_009028.2 CUAGCGUGU-----NNNNNNNN-----GUGGAGACCCUCAGCAC-CAAGCGCGAA--ACAA 149  
MBFV-NC\_040776.1 CCAGCGUUU-----NNNNNNNN-----A-GGAGACCCCUUGGCACACAAGCGCAAA-GACAA 150  
MBFV-NC\_001563.2 UGCCCCGCG-----NNNNNNNN-----GAGGAGACCCCGUGCCA-AAAACACCA-A-AAGAA 149  
MBFV-NC\_009942.1 UGCCCCGCG-----NNNNNNNN-----GGAGACCCCGUGCCACAAAACACCACA-ACAAA 149  
MBFV-NC\_034151.1 CCCGCGCUA-----NNNNNNNN-----AGCCCUUGGCAGUGAAC-GCAA-UAAAA 146  
MBFV-NC\_007580.2 UAUCCCGCG-----NNNNNNNNUUAGAGGAGACCCCUUGCCGUUAA--CGCAA---CA 149  
MBFV-NC\_000943.1 UACCCCGCG-----NNNNNNNN-----GACCCCAUCUCUAAAAGCAUC-AA--ACA 143  
MBFV-NC\_006551.1 UACCCCGCG-----NNNNNNNN-----ACCCCGCA-UCAUAAGCAUCAA---AAA 142  
MBFV-NC\_001437.1 UACCCCGCG-----NNNNNNNN-----UAGAGGAGACCCCGCAUUUGC-AU---CAA 143  
MBFV-NC\_009026.2 CGGCCAACG-----NNNNNNNN-----CCCUUGGCCAAACAGUUAACGCACCAA-AAGAA 150  
MBFV-NC\_009029.2 CGUCCCGCG-----NNNNNNNNAGAGG--AGACCCUCCCAAGAAGCGCAACACAAA 153  
MBFV-NC\_032088.1 CAUCCCGCG-----NNNNNNNNAGAGGUUAGAGGAGACCCCAUAACCGCAA-ACAAA 154  
MBFV-NC\_012532.1 GAG-UAGCCC--GUGNNNNNNNN-----GGUUAGAGGAGACCCCGGAAAACGCAA 147  
MBFV-NC\_035889.1 GAG-UAGCCC--GUGNNNNNNNN-----GUUAGAGGAGACCCCGGAAAACGCAA 146  
MBFV-NC\_012533.1 GAUCUAGCGCUGGCCNNNNNNNN-----GAGACCCCGCGCCCAUAACCAACAUAA 147  
MBFV-NC\_001474.2 GAAACCGCGUGU--NNNNNNNN--CUAGAGGUUAGAGGAGACCCCCCGA-AACAAAA 151  
MBFV-NC\_001477.1 GAAACCGCGUGU--NNNNNNNN--UAGAGGUUAGAGGAGACCCCGCACAACAA 151  
MBFV-NC\_01475.2 GAAACCGGUGUGU--NNNNNNNN--ACUAGAGGUUAGAGGAGACCCCCCGCA-AAUA-AA 151  
MBFV-NC\_002640.1 GAAACCGCGUAUCAANNNNNNNN--ACUAGAGGUUAGAGGAGACCCCCCAA-CACAA-AA 151  
MBFV-NC\_002031.1 UUCGCUCCUUGU--NNNNNNNN-----GAGACCCUCCAGGGAACAAUAGUG 142  
MBFV-NC\_008719.1 GGC-----CA--NNNNNNNN-----GAGGAGACCCUCCGAGCAC-UAUAGC- 143  
MBFV-NC\_012735.1 AGU-----GA--NNNNNNNN-----C-CCAUUCUCCCGGAGCACACUAGC- 143  
MBFV-NC\_018705.3 CAUCCC-----NNNNNNNN-----CCCCGCGGAAUCAAGCAAGGCCCAACCUGGC 150  
20.....130.....140.....150.....160.....170.....1



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MBFV-NC\_012534.1 ACAGCAUAUUGACACCUGGGA--GAGACUAGGAGACCCUCUGUCC--UAACAACACCAGC 205  
MBFV-NC\_015843.2 ACAGCAUAUUGACACCUGGGA--UAGACUAGGAGACCCUCUGUCC--UAACAACACCAGC 205  
MBFV-NC\_009028.2 ACAGCAUAUUGACGCCUGGGA--AAGACCGGGAGAUCCUCUGCU--UCCAUCACCAGC 204  
MBFV-NC\_040776.1 ACAGCAUAUUGACACCUGGGA--AAGACCGGGAGACCCUCUGCU--CUGCAACACCAGC 205  
MBFV-NC\_001563.2 ACAGCAUAUUGACACCUGGGA--UAGACUAGGGAGAUUCUGU--CUGCACAACCAGC 204  
MBFV-NC\_009942.1 ACAGCAUAUUGACACCUGGGA--UAGACUAGGAGAUUCUCUGCU--CUGCACAACCAGC 204  
MBFV-NC\_034151.1 ACAGCAUAUUGACACCUGGGA--UAGACUAGGAGACCCUCUGCUU-AUUUCAACACCAGC 203  
MBFV-NC\_007580.2 ACAGCAUAUUGACACCUGGGA--AAGAC-AGGAGAUCCUCUGCUU-UUUCAACACCAGC 203  
MBFV-NC\_000943.1 ACAGCAUAUUGACACCUGGGA--AAGACUAGGAGAUUCUCUGCUUAUCCAACAUAGU 202  
MBFV-NC\_006551.1 ACAGCAUAUUGACACCUGGGAUUAGACUAGGAGAUUCUCUGCUUAUCCAACAUCAAC 202  
MBFV-NC\_001437.1 ACAGCAUAUUGACACCUGGGA--UAGACUAGGAGAUUCUCUGCUUAUCCAACAUCAAC 202  
MBFV-NC\_009026.2 ACAGCAUAUUGACACCUGGGA--UAGACCGGAGAAUUGCUGCC--UCGCAACACCUCC 205  
MBFV-NC\_009029.2 ACAGCAUAUUGACACCUGGGA--AAGACUAGGGGAUUUGCUGCU--CUGGACUUCGGC 208  
MBFV-NC\_032088.1 ACAGCAUAUUGACACCUGGGA--UAGACUAGGAGAUCCGUGCU--CUGGAACCCAG- 208  
MBFV-NC\_012532.1 ACAGCAUAUUGACG--UGGGA--AAGACAGAGAUCCAUGAGUUU-CCACCACGUGGC 202  
MBFV-NC\_035889.1 ACAGCAUAUUGACG-CUGGGA--AAGACAGAGACUCCAUGAGUUU-CCACCACGUGGC 202  
MBFV-NC\_012533.1 ACAGCAUAUUGACACCUGGGA--AAGACCGGAGACUCUGUUGGCUU-UCCCCACACCAGC 204  
MBFV-NC\_001474.2 ACAGCAUAUUGACG-CUGGGA--AAGACAGAGAUCCUGCU-GUCU-CCUCAGCAUCAU 206  
MBFV-NC\_001477.1 ACAGCAUAUUGACG-CUGGGA--GAGACAGAGAUCCUGCU-GUCU-CUACAGCAUCAU 206  
MBFV-NC\_001475.2 ACAGCAUAUUGACG-CUGGGA--GAGACAGAGAUCCUGCU-GUCU-CCUCAGCAUCAU 206  
MBFV-NC\_002640.1 ACAGCAUAUUGACG-CUGGGA--AAGACAGAGAUCCUGCU-GUCU-CUGCAACAUCAA 206  
MBFV-NC\_002031.1 GGACCAUAUUGACGCCAGGGA--AAGACCGGAGUUCUCUGCUUUUCCUCCAGGUC 200  
MBFV-NC\_008719.1 GGACCAUAUUGACGCCUGGGA--AAGACCGGAGACACUCCUUGAUUCUCACCUUUCUCAC 201  
MBFV-NC\_012735.1 GGACCAUAUUGACGCCAGGGA--AAGACCGGAGACACUCCUUGAUUCUCACCUUUCUCGC 201  
MBFV-NC\_018705.3 AAAGC-UGUAAAC-CAGGGA--AGGACUAGAGGUUAGAGGAGACCCCUUGCGAGUGAAC 206  
80.....190.....200.....210.....220.....230.....2



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MBFV-NC\_012534.1 CAUC----- 209  
MBFV-NC\_015843.2 CACU----- 209  
MBFV-NC\_009028.2 CACUA---- 209  
MBFV-NC\_040776.1 CACU----- 209  
MBFV-NC\_001563.2 CACAC---- 209  
MBFV-NC\_009942.1 CACUC---- 209  
MBFV-NC\_034151.1 CACAC---G 209  
MBFV-NC\_007580.2 CACAA---G 209  
MBFV-NC\_000943.1 CACAA--GG 209  
MBFV-NC\_006551.1 CACAA--GG 209  
MBFV-NC\_001437.1 UACUA--GG 209  
MBFV-NC\_009026.2 CACC----- 209  
MBFV-NC\_009029.2 U----- 209  
MBFV-NC\_032088.1 U----- 209  
MBFV-NC\_012532.1 CGCCA--GG 209  
MBFV-NC\_035889.1 CGCCA--GG 209  
MBFV-NC\_012533.1 CCCC---U 209  
MBFV-NC\_001474.2 CC-----A 209  
MBFV-NC\_001477.1 CC-----A 209  
MBFV-NC\_001475.2 CC-----A 209  
MBFV-NC\_002640.1 CC-----A 209  
MBFV-NC\_002031.1 UGUGAGCAC 209  
MBFV-NC\_008719.1 CCUUA--GC 209  
MBFV-NC\_012735.1 CCUAA--GC 209  
MBFV-NC\_018705.3 ACC----- 209  
40.....

