

MBFV-NC\_012735.1 -----UUUCUACUGAAAGGAGUAGAAGAAAGGAGAUUCAUUC--CCAAUGGCCAA 47  
MBFV-NC\_008719.1 -----AUUUCUACUGAAAGG-GUAGAGAAAAGGAGUUUUGCUU--CUCAUGGCCAA 47  
MBFV-NC\_002031.1 -----UAAUCGUUCGUUGAGCG-AUUAGACGAGAAACUGACCG--AACAUGUC-- 45  
MBFV-NC\_012532.1 AAC-----AGGUUU-----AAUUUGGAUUUGGAAACGAGAGUUUCUGG--UCAUGAAAA 47  
MBFV-NC\_035889.1 ACA-----GGUUUU-----AUUUUGGAUUUGGAAACGAGAGUUUCUGG--UCAUGAAAA 47  
MBFV-NC\_012533.1 AAC-----AGUUUU-----CGUGUUGAGAAGAAACAGAUUUUCUGG--AAUAGAAA 47  
MBFV-NC\_002640.1 -----UCUAACAGUUUGUUUGAAUAGAGAGCAG-AUCUCUGGAAAAAUG---A 44  
MBFV-NC\_001477.1 ACG-----UAGUUCUAACAGUUU-UUU-AUUAGAGAGCAG-AUCUCUG-----AUGAACA 47  
MBFV-NC\_001475.2 ACG-----UAGUGCUGACAGUUU-UUU-AUUAGAGAGCAG-AUCUCUG-----AUGAACA 47  
MBFV-NC\_001474.2 -CG-----UAGUUCUAACAGUUU-UUUAAUUAGAGAGCAG-AUCUCUG-----AUGAAUA 47  
MBFV-NC\_012534.1 CCGU-----AAACACAGUUUGAAC-GUUUUUUGGAGA-GA---GAUUA---UUAUGUUUA 47  
MBFV-NC\_015843.2 ACGU-----AAACACAGUUUGAAC-GUUUUUUGGAUA-GA---GACAA---CUAUGUCUA 47  
MBFV-NC\_034151.1 U-----AACACAGUGUGAAUAGUUUUUUGAACA-GAGGUGAAAA---CCAUGUCUA 47  
MBFV-NC\_009028.2 U--U---UAACACAGUCUGAAUAGUUUUUUAGCA--AGGGA-UUUC---CCAUGUCUA 47  
MBFV-NC\_040776.1 U--U---UAACACAGUCUGAAUAGUUUUUUAGCA--GAGGU-ACUA---CCAUGUCUA 47  
MBFV-NC\_001563.2 A--U---UAACACAGUGCAGCUGUUUCUUGGCAC-GAAGA-UCU---CGAUGUCUA 47  
MBFV-NC\_009942.1 A--U---UAACACAGUGCAGCUGUUUCUUAGCAC-GAAGA-UCU---CGAUGUCUA 47  
MBFV-NC\_000943.1 -----UAACGCGGUUGAACAGUUUUUUGGAGCUUUUGAUUU-C---AAUUGUCUA 47  
MBFV-NC\_006551.1 ---U---UAACACAGUGCCCGGCAGUUUUUUGGAGC-GUUGAUUU-U---CAAUGUCUA 47  
MBFV-NC\_001437.1 ---U---UAGUGCAGUUUAAACAGUUUUUUGAACCGGAAGUAAC-C---C-AUGACUA 47  
MBFV-NC\_007580.2 ---U---AACUUGACUGCGAACAGUUUUUU--AGCAGGGAAUUAAC---CAAUGUCUA 47  
MBFV-NC\_009029.2 UGAUUACAUAACACAGUGUGAACAAAGUUUUUGAACAG-----CAAUGACCA 47  
MBFV-NC\_032088.1 UC-----UAUAACUCAGUGGAACAAGUUUUUGAUCAGUGGA-----UAUAGACUA 47  
MBFV-NC\_009026.2 -----AGAAAAGUUUUCGAGGAAGACGAGAAAGCGAAUUCUCU---GAAUGGCUA 47  
MBFV-NC\_018705.3 CCGU-----AAACACAGUUUGAACGUUUUUUGGAGAGAGACUA-----CUAUGUCA 47  
TBFV-NC\_003690.1 GUGUUGAGAAAAA-----GACAGCUUAGGAAACAAGAGCUGGGA-----AUGGCC 47  
TBFV-NC\_005062.1 GUGUUGAGAAAAA-----GACAGCUUAGGAAACAAGAGCUGGGG-----AUGGCC 47  
TBFV-NC\_027709.1 GUGUUGAGAAAAA-----GACAGCUUAGGAAACAAGAGCUGGGG-----AUGGCC 47  
TBFV-NC\_001672.1 GUGUUGAGAAAAA-----GACAGCUUAGGAAACAAGAGCUGGGG-----AUGGCC 47  
TBFV-NC\_001809.1 GUGUUGAGAAAAA-----GACAGCUUAGGAAACAAGAGCUGGGG-----AUGGCC 47  
TBFV-NC\_003687.1 -----AGAAAAA-----GACAGCUUAGGAAACAAGAGCUGGGAGUGGUUAUG--- 43



.....((((.....((((((((.....  
MBFV-NC\_012735.1 CAAAGGGGAUGAAUAAGUCUCGGGCUCGAUCCCGAGGCGUCAAUAUGGUAGCGGCUAGA- 106  
MBFV-NC\_008719.1 CAAGAGGAGCAAGCAAGUCUCGGGUCACGACCCCGGGGCGUCAAUAUGGUGAGCGGCCAAG- 106  
MBFV-NC\_002031.1 -----UGGUCGUAAAGCUCAGGGAAAAACCUCGGGCGUCAAUAUGGU-ACGACGAGGA 97  
MBFV-NC\_012532.1 -ACCCCAAAGAAGAAAU--CCGGAGGA-UCCGGAUUGUCAAUAUGCUAAAACGCGGAGUA 103  
MBFV-NC\_035889.1 -A-CCCAAAAAAGAAAU--CCGGAGGAUCCGGAUUGUCAAUAUGCUAAAACGCGGAGUA 103  
MBFV-NC\_012533.1 -----CCCAAAAAAGG-----GCCCAUCGCGGCCUAUCAAUAUGCUGAAGCGCUUUGGA 97  
MBFV-NC\_002640.1 -A--CCAACGAAAAAG--GUG--GUUAGACCACCUUUCAAUAUGCUGAAACGCGAGAGA 97  
MBFV-NC\_001477.1 -A--CCAACGAAAAAG--ACG--GGUCGACCGUCUUUCAAUAUGCUGAAACGCGCGAGA 100  
MBFV-NC\_001475.2 -A--CCAACGAAAAAG--ACG--GGAAAACCGUCUAUCAAUAUGCUGAAACGCGGAGAGA 100  
MBFV-NC\_001474.2 -A--CCAACGAAAAAG--GCG--AAAACACGCCUUUCAAUAUGCUGAAACGCGAGAGA 100  
MBFV-NC\_012534.1 -ACAAAAAACCAGGAAAAACCCGGGGCAACCCGGGUUGUCAAUAUGCUAAAGCGCGGUGCA 106  
MBFV-NC\_015843.2 -ACAAAAAACCAGGAAAGACCCGGCUCAGGCGCGGUUGUCAAUAUGCUAAAGCGCGGAACG 106  
MBFV-NC\_034151.1 ---AAAAAACCAGGAGGACCCGGAAAGAACCGGUCGUAAAUAUGCUGAAAGCGCACAUCC 103  
MBFV-NC\_009028.2 ----AAAAAACCAGGAAAGUCCGUGCAAAAGCGGACUGUCAAUAUGCUAAAACGCGGUGCU 103  
MBFV-NC\_040776.1 ----AAAAAACCAGGAGGACCCGCGGAAAGCGGGUUGUCAAUAUGCUGAAACGCGCCAGC 103  
MBFV-NC\_001563.2 ----AGAAACCAGGAGGGCCGGAAAAACCGGGUGUCAAUAUGCUAAAACGCGGUAUG 103  
MBFV-NC\_009942.1 ----AGAAACCAGGAGGGCCCGGAAAGACCGGGCUGUCAAUAUGCUAAAACGCGGAUUG 103  
MBFV-NC\_000943.1 ----AAAAAACCAGGAGGACCCGGGAAAGCCCGGGUGUCAAUAUGCUAAAACGCGGCAUA 103  
MBFV-NC\_006551.1 ----AGAAACCAGGAGGGCCCGGAAAAACCGGGCCAUCAAUAUGCUGAAACGCGGCAUA 103  
MBFV-NC\_001437.1 ----AAAAAACCAGGAGGGCCCGGAAAAACCGGGCUAUCAAUAUGCUGAAACGCGGCCUA 103  
MBFV-NC\_007580.2 ----AAAAAACCAGGAAAAACCCGGUAGAAACCGGGUUGUCAAUAUGCUAAAACGCGGCGUA 103  
MBFV-NC\_009029.2 ----AAAAAACCAGGAAAGGCGCGGAAAGAAAUCGGGCCGUCAAUAUGCUAAAGCGCGGUGCG 103  
MBFV-NC\_032088.1 ----AAAAAACCAGGAAAGCGGCUAAUCGUGCGGACUGUCAAUAUGCUAAAGCGCGGAGCA 103  
MBFV-NC\_009026.2 ----GAAAACCAGGAAAGACCCGGAGGAAACCGGGUGUCAAUAUGCUAAAGCGUACGGCG 103  
MBFV-NC\_018705.3 -ACAAAAAACCAGGAAAGACCCGGGGCAACCCGGGUUGUCAAUAUGCUAAAGCGCGGCGCA 106  
TBFV-NC\_003690.1 GGAAGGCCUUCUAAAA---GGAAAGGGGGGGGGUGCCCCUCGACGAGCGUCGAAAGUG 103  
TBFV-NC\_005062.1 GGAAGGCCUUCUGAAA---GGAAAGGGGGGGGGUGCCCCUCGACGAGUGUCGAAAGAG 103  
TBFV-NC\_027709.1 GGAAGUCCAUCCUGAAA---GGUAAGGGGGGGGGUGCCCCUCGACGAGUGUCGAAAGAG 103  
TBFV-NC\_001672.1 AGAAGGCCAUCCUGAAA---GGUAAGGGGGGGGGUGCCCCUCGACGAGUGUCGAAAGAG 103  
TBFV-NC\_001809.1 GGAAGACCAUCCUGAAA---GGCAAGGGGGGGGGUGCCCCUCGACGAGUGUCGAAAGAG 103  
TBFV-NC\_003687.1 --AUGACCAUUCUAAAA---GGAAAGGGGGGGGGUGCCCCUAGGCAAGCUUAAAGUG 97  
0.....70.....80.....90.....100.....110.....1



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MBFV-NC\_012735.1 -----GUGANNNNNNN-----C-CCAUUCCCUCCGAGCACACAUAGC-GGAC 147  
MBFV-NC\_008719.1 -----GCCANNNNNNN-----GAGGAGCCCUCCGAGCAC-UAUAGC-GGAC 147  
MBFV-NC\_002031.1 GUUCGCUCCUUGUNNNNNNN-----GAGACCCCUCCAGGGAACAAAUAGUGGGAC 146  
MBFV-NC\_012532.1 GCCCGUG-----NNNNNNNN-----GGUAGAGGAGACCCCCCGAAAACGCAAAC 149  
MBFV-NC\_035889.1 GCCCGUG-----NNNNNNNN-----GUAGAGGAGACCCCCCGAAAACGCAAAC 148  
MBFV-NC\_012533.1 UCUAGCGCUGGCCNNNNNN-----GAGACCCCCGCGCCAUAACAACAAAC 149  
MBFV-NC\_002640.1 AACCGCGUAUCAANNNNNNNNNACUAG--AGGUAGAGGAGACCCCCCAACA--CAAAAAC 153  
MBFV-NC\_001477.1 AACCGCGUGU--NNNNNNNN--UAG--AGGUAGAGGAGACCCCCCGCAACAACAAAC 153  
MBFV-NC\_001475.2 AACCGUGUGU--NNNNNNNNNACUAG--AGGUAGAGGAGACCCCCG--CAAUAAAAAC 153  
MBFV-NC\_001474.2 AACCGCGUGU--NNNNNNNN-CUAG--AGGUAGAGGAGACCCCCC--CGAAACAAAAAAC 153  
MBFV-NC\_012534.1 U---CCC-----NNNNNNNN--GG--AGACCCCUUGCGAGUAACACCAA--ACAAAAAC 151  
MBFV-NC\_015843.2 U---CCC-----NNNNNNNNA--GG--AGACCCCUUGCGAGUAACACCAA--A-GAAAC 151  
MBFV-NC\_034151.1 CGCGCUA-----NNNNNNNN-----AGACCCCUUGCGAGUAACG-CAAA--UAAAAAC 148  
MBFV-NC\_009028.2 AGCGUGU-----NNNNNNNNGUGG--AGACCCCUCAGCAC-CAAGCGCAA--ACAAAC 151  
MBFV-NC\_040776.1 AGCGUUU-----NNNNNNNNA--GG--AGACCCCUUGCGACACAAGCGCAA--GACAAAC 152  
MBFV-NC\_001563.2 CCCCGU-----NNNNNNNNGAG--AGACCCCGUCCA-AAAACCAA--A-AGAAAC 151  
MBFV-NC\_009942.1 CCCCGCG-----NNNNNNNN--GG--AGACCCCGUGCCACAAAACACCAA--ACAAAAAC 151  
MBFV-NC\_000943.1 CCCCGCG-----NNNNNNNN--G--ACCCACUCUCAAAAGCAUC-----AAACAAC 145  
MBFV-NC\_006551.1 CCCCGCG-----NNNNNNNN-----ACCCGCA-UCAUAAGCAUCA-----AAAAAAC 144  
MBFV-NC\_001437.1 CCCCGCG-----NNNNNNNN--U--AGAGAGACCCCGAUUUGCA-----UCA-AAC 145  
MBFV-NC\_007580.2 UCCCGCG-----NNNNNNNN--UU--AGAGAGACCCCUUGCCGUAAACGC-AAACAAC 151  
MBFV-NC\_009029.2 UCCCGCG-----NNNNNNNNAGAG--AGACCCUCCCAAAGAAAAGCGCAACAAAAAC 155  
MBFV-NC\_032088.1 UCCCGCG-----NNNNNNNNAGAGGUAGAGGAGACCCCCAAUUGCAAA--ACAAAAAC 156  
MBFV-NC\_009026.2 GCCAACG-----NNNNNNNN-----CCCUUGGCAAAAACAGUAAACGCACCAAAAAGAAAC 152  
MBFV-NC\_018705.3 UCCC-----NNNNNNNN-----CCCGCGGAAAUCAAAGCAAAGGCCCAACCU 147  
TBFV-NC\_003690.1 GCCCCCA-----NNNNNNNNCUC-----UCUUCAGGAAUUUCCUCCUCCUAUACCAAA 151  
TBFV-NC\_005062.1 ACCGCUA-----NNNNNNNNCUC-----UCUUCAGGAAUUUCCUCCUCCUAUACCAAA 151  
TBFV-NC\_027709.1 ACCGCAA-----NNNNNNNNCUC-----UCUUCAGGAAUUUCCUCCUCCUAUACCAAA 151  
TBFV-NC\_001672.1 ACCGCAA-----NNNNNNNNCUC-----UCUUCAGGAAUUUCCUCCUCCUAUACCAAA 151  
TBFV-NC\_001809.1 ACCGCAA-----NNNNNNNNCUC-----UCUUCAGGAAUUUCCUCCUCCUAUACCAAA 151  
TBFV-NC\_003687.1 ACCGCAAAAAAGUNNNNNNNNCU-----UCCUCGGGAAUUUCCGCCUCCUAUACUAAAU 151  
20.....130.....140.....150.....160.....170.....1



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MBFV-NC\_012735.1 CAUAUU-GACGCCAGGGA---AAGACC-GGAGACACUCCUGAUUCACCUUUCGCGC 201  
MBFV-NC\_008719.1 CAUAUU-GACGCCUGGGA---AAGACC-GGAGACACUCCUGAUUCACCUUUCACGC 201  
MBFV-NC\_002031.1 CAUAUU-GACGCCAGGGA---AAGACC-GGAGUGGUUCUGCUUUUC-CUCCAGGGU 199  
MBFV-NC\_012532.1 AGCAUA-UUGACG--UGGGA--AAGACCA-GAGACUCCAUGAGUUU-CCACCACGCUGGC 202  
MBFV-NC\_035889.1 AGCAUA-UUGACG-CUGGGA--AAGACCA-GAGACUCCAUGAGUUU-CCACCACGCUGGC 202  
MBFV-NC\_012533.1 AGCAUA-UUGACACCUGGGA--AAGACCG-GAGACUGUGUGGUU-UCCCCACACCAGC 204  
MBFV-NC\_002640.1 AGCAUA-UUGACG-CUGGGA--AAGACCA-GAGAUCCUGCU-GUCU-CUGCAACAUCA-- 204  
MBFV-NC\_001477.1 AGCAUA-UUGACG-CUGGGA--AAGACCA-GAGAUCCUGCU-GUCU-CUACAGCAUCA-- 204  
MBFV-NC\_001475.2 AGCAUA-UUGACG-CUGGGA--AAGACCA-GAGAUCCUGCU-GUCU-CCUCAGCAUCA-- 204  
MBFV-NC\_001474.2 AGCAUA-UUGACG-CUGGGA--AAGACCA-GAGAUCCUGCU-GUCU-CCUCAGCAUCA-- 204  
MBFV-NC\_012534.1 AGCAUA-UUGACACCUGGGA--GAGACUAGGAGACCCUC-UG-UCC-UAACAACACCAGC 205  
MBFV-NC\_015843.2 AGCAUA-UUGACACCUGGGA--UAGACUAGGAGACCCUC-UG-UCC-UAACAACACCAGC 205  
MBFV-NC\_034151.1 AGCAUA-UUGACACCUGGGA--UAGACUAGGAGACCCUC-UGCUA-UUACAACACCAGC 203  
MBFV-NC\_009028.2 AGCAUA-UUGACACCUGGGA--AAGACCGGGAAUCCUC-U-GCU-UUCCAUCACCAGC 204  
MBFV-NC\_040776.1 AGCAUA-UUGACACCUGGGA--AAGACCGGGAAUCCUC-U-GCU-CUGCAACACCAGC 205  
MBFV-NC\_001563.2 AGCAUA-UUGACACCUGGGA--UAGACUAGGGAAUCCUC-U-GCU-CUGCAACACCAGC 204  
MBFV-NC\_009942.1 AGCAUA-UUGACACCUGGGA--UAGACUAGGGAAUCCUC-U-GCU-CUGCAACACCAGC 204  
MBFV-NC\_000943.1 AGCAUA-UUGACACCUGGGA--AAGACUAGGGAAUCCUC-UGCUUAUUCCAACAUAGU 202  
MBFV-NC\_006551.1 AGCAUA-UUGACACCUGGGAUAUAGACUAGGGAAUCCUC-UGCUUAUUCCAACAUCAAC 202  
MBFV-NC\_001437.1 AGCAUA-UUGACACCUGGGAUAUAGACUAGGGAAUCCUC-UGCUUAUUCCAACAUCAACGC 202  
MBFV-NC\_007580.2 AGCAUA-UUGACACCUGGGA--AGAC-AGGAGAUCCCC-UGCU--UUUCAACACCAGC 203  
MBFV-NC\_009029.2 AGCAUA-UUGACACCUGGGA--AAGACUAGGGAAUUGC-UGCU--UGGCAUCCCGGC 208  
MBFV-NC\_032088.1 AGCAUA-UUGACACCUGGGA--UAGACUAGGGAAUCCGC-UGCU--UGGAACCCAGU 209  
MBFV-NC\_009026.2 AGCAUA-UUGACACCUGGGA--UAGACC-GGAGAAUUGCUGCCUC--GCAACACCUCC 205  
MBFV-NC\_018705.3 GGCAAAGCUGAAAACCAGGGGAAGGACUAGAGGUAGAGGAGACCCCUGC--AGUGAA 205  
TBFV-NC\_003690.1 UUCCCCCUCGACAGAGGG-----GGGCGUCUUGUUCCCUGAGCCACCAUC 201  
TBFV-NC\_005062.1 UUCCCCCUCUAUGAGGG-----GGGCGUCUUGUUCCCUGAGCCACCAUC 201  
TBFV-NC\_027709.1 UUCCCCCUCGACAGAGGG-----GGGCGUCUUGUUCCCUGAGCCACCAUC 201  
TBFV-NC\_001672.1 UUCCCCCUCGUAGAGGG-----GGGCGUCUUGUUCCCUGAGCCACCAUC 201  
TBFV-NC\_001809.1 UUCCCCCUCG