

MBFV-NC_002640.1 -----UGUUUGAAUAGAGAGCAGAUUCUCUG-GAAAAAUG---AA---CCA-ACGAAAAAAG 48
MBFV-NC_001474.2 ACAGUUUUUUAAUUAGAGAGCAGAUUCUCUG-----AUGAAUAA---CCA-ACGGA AAAAG 51
MBFV-NC_001477.1 AACAGUUUUUUAAUUAGAGAGCAGAUUCUCUG-----AUGAACAA---CCA-ACGGAAAAAG 51
MBFV-NC_001475.2 GACAGUUUUUUAAUUAGAGAGCAGAUUCUCUG-----AUGAACAA---CCA-ACGGAAGAAG 51
MBFV-NC_012532.1 ----AUUUGGAUUUGGAAACGAGAG-UUUC-UGGUCAUGAAAAACCCCA-AAGAAGAAAU 53
MBFV-NC_035889.1 ----UUUUGGAUUUGGAAACGAGAG-UUUC-UGGUCAUGAAAA-CCCA-AAAAAGAAAU 52
MBFV-NC_012533.1 ----GUGUUGAGAAAGAAAACAGAU-UCUU-CGGAAAUGAAAA---CCCA-AAAAAGG--- 48
MBFV-NC_001563.2 UGCGAGCUGUUUCUUGGCACGAAGAUC-UC-G---AUGUCU---AAGA-AACCAGGAGG 50
MBFV-NC_009942.1 UGCGAGCUGUUUCUUGGCACGAAGAUC-UC-G---AUGUCU---AAGA-AACCAGGAGG 50
MBFV-NC_006551.1 -GCCGGCAGUUUCUUUGAGCGUUGAUUUUC-A---AUGUCU---AAGA-AACCAGGAGG 50
MBFV-NC_009029.2 -ACACAGUGUGAACAAAGUUUUUUGAACAGC-A---AUGACC---AAAA-AACCAGGAAG 50
MBFV-NC_032088.1 AG-----UGUGAACAAAGUUUUUUGAUACAGU-GGAUAAUGACU---AAAA-AACCAGGAAA 50
MBFV-NC_012534.1 AGUUUGAACGUUUUUUGGAGAGAGAUUAUU-----AUGUUUAAACAAAA-AACCAGGAAA 53
MBFV-NC_015843.2 AGUUUGAACGUUUUUUGGAUAGAGACAACU-----AUGUCUAAACAAAA-AACCAGGAAG 53
MBFV-NC_009028.2 UCUGAAUAGUUUUUU-AGCAAGGGA-UUUC-----CCAUGUCU---AAAA-AACCAGGAAA 50
MBFV-NC_040776.1 UCUGAAUAGUUUUUU-AGCAGAGGU-ACUA---CCAUGUCU---AAAA-AACCAGGAGG 50
MBFV-NC_034151.1 --UGAAUAGUUUUUUGAACAGAGGUGAAAA---CCAUGUCU---AAAA-AACCAGGAGG 50
MBFV-NC_000943.1 -UGAACAGUUUUUUGGAGCUUUUGAUU-UC---AAAUGUCU---AAAA-AACCAGGAGG 50
MBFV-NC_007580.2 GCGAACAGUUUUUU--AGCAGGGAAUUAACC---CAAUGUCU---AAAA-AACCAGGAAA 50
MBFV-NC_009026.2 UCGGAAGAGACGGAAGCGAAUUCUCUG-----AAUGGCU---AGAA-AACCAGGAAG 50
MBFV-NC_001437.1 UUA AACAGUUUUUUGA AACCGGAAGAUAAACC-----AUGACU---AAAA-AACCAGGAGG 50
MBFV-NC_008719.1 AAAGGGUAG-----AGAAAAGGAGUUUUGC-UUCUCAUGGCAACAAGAG-GAGCAAGCAA 53
MBFV-NC_012735.1 AAGGAGUAG-----AAGAAAGGAGAUUCAU-UCCCAUGGCAACAAAGG-GGAUGAAUAA 53
MBFV-NC_002031.1 UUGAGCGAU-----UAGCAGAGAACUGACC-AGAACAUGUC-----UGGUCGUAA 44
TBFV-NC_003690.1 AAAGACAGCUUAGGAGAACAAAGAGCUGGGA-----AUGGCCGGGAAGGCCGUUCUAAAA 54
TBFV-NC_001809.1 AAAGACAGCUUAGGAGAACAAAGAGCUGGGG-----AUGGGCAGGAAGACCAUCCUGAAA 54
TBFV-NC_027709.1 AAAGACAGCUUAGGAGAACAAAGAGCUGGGG-----AUGGGCAGGAAGUCCAUCCUGAAA 54
TBFV-NC_001672.1 AAAGACAGCUUAGGAGAACAAAGAGCUGGGG-----AUGGUCAAGAAGGCCAUCCUGAAA 54
TBFV-NC_005062.1 AAAGACAGCUUAGGAGAACAAAGAGCUGGGG-----AUGGCCGGGAAGGCCAUUCUGAAA 54
TBFV-NC_003687.1 -----AGCUUAGGAGAACAAAGAGCUGGGAGUGGUUAUG-----AUGACCACUUCUAAA 48
.....10.....20.....30.....40.....50.....6



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MBFV-NC_002640.1 --GU---G--GUUAGACCACCUUUCAAUAUGCUGAAACGCGAGAGAAACCGCGUAUCAAN 101
MBFV-NC_001474.2 --GC---G--AAAAACGACCCUUUCAAUAUGCUGAAACGCGAGAGAAACCGCGUGU---N 101
MBFV-NC_001477.1 --AC---G--GGUCGACCGCUUUUCAAUAUGCUGAAACGCGGAGAAACCGCGUGU---N 101
MBFV-NC_001475.2 --AC---G--GGAAAACCGUCUAUCAAUAUGCUGAAACGCGUGAGAAACCGCGUGU---N 101
MBFV-NC_012532.1 --CC---GGAGGA-UCCGGAUUGUCAAUAUGCUGAAAACGCGGAGUAGCCCUGU-----N 101
MBFV-NC_035889.1 --CC---GGAGGAUCCGGAUUGUCAAUAUGCUGAAAACGCGGAGUAGCCCUGU-----N 101
MBFV-NC_012533.1 -----GCCGCAUCGCGGCCUAUCAAUAUGCUGAAGCGCUUUGGAUUCUAGCGCUGGCCN 101
MBFV-NC_001563.2 GCCC---GGUAAAAACCGGGCUGUCAUAUAUGCUGAAAACGCGGUUAUGCCCCGCG-----N 101
MBFV-NC_009942.1 GCCC---GGCAAGAGCCGGGCUGUCAUAUAUGCUGAAAACGCGGAUUGCCCCGCG-----N 101
MBFV-NC_006551.1 GCCC---GGAAGAAACCGGGCCUAUCAAUAUGCUGAAGCGCAUACCCCGCG-----N 101
MBFV-NC_009029.2 GCCC---GGUAGAAAUCGGGCGCUGUCAUAUAUGCUGAAAAGCGCGGUGCGUCCCGCG-----N 101
MBFV-NC_032088.1 GUCC---GGCAAUCGUCGCGACUGUCAUAUAUGCUGAAAAGCGCGGAGCAUCCCGCG-----N 101
MBFV-NC_012534.1 ACCC---GGGGCAACCCGGGUUGUCAUAUAUGCUGAAAAGCGCGGUGCAUCCC-----N 101
MBFV-NC_015843.2 ACCC---GGCUGAACCGGGGUUGUCAUAUAUGCUGAAAAGCGCGGAGCAUCCUCC-----N 101
MBFV-NC_009028.2 GUCC---GCUGCAAAGCGGACUGUCAUAUAUGCUGAAAACGCCUGGCUAGCGUGU-----N 101
MBFV-NC_040776.1 ACCC---GCCGGAAGGGCGGUUGUCAUAUAUGCUGAAAACGCCAGCCAGCGUUU-----N 101
MBFV-NC_034151.1 ACCC---GGAAAGAAACCGGGCUGUUAUAUAUGCUGAAGCGCACAUCCCGCGUA-----N 101
MBFV-NC_000943.1 ACCC---GGGAAGCCCCGGGUGCUGUCAUAUAUGCUGAAAACGCGGCAUACCCCGCG-----N 101
MBFV-NC_007580.2 ACCC---GGUAGAAAACCGGGUUGUCAUAUAUGCUGAAAACGCGGCGUAUCCCGCG-----N 101
MBFV-NC_009026.2 ACCC---GGAGGAAACCGGUGCUGUCAUAUAUGCUGAAAAGCGUACGGCGGCCAACG-----N 101
MBFV-NC_001437.1 GCCC---GGUAGAAAACCGGGCUGUCAUAUAUGCUGAAAAGCGCGGCGUACCCCGCG-----N 101
MBFV-NC_008719.1 GUCUCGGGUCACGACCCGGGGCGUCAUAUAUGGUG--ACGGCCAAG-----GCCAN 101
MBFV-NC_012735.1 GUCUCGGGUCGUAACCCGAGGCGUCAUAUAUGGUA--GCGGCUAGA-----GUGAN 101
MBFV-NC_002031.1 AGCUCAGGGAACAAACCCUGGGCUGUCAUAUAUGGUA--CGACGAGGAGUUCGCUCCUUGUN 101
TBFV-NC_003690.1 GGAAAGGGGGGGGGUCCCCCUCGACGAGCGUCGAAAGUGGCCCCAA-----N 101
TBFV-NC_001809.1 GGCAAGGGGGGGCGGUCCCCCUCGACGAGUGUCGAAAGAGACCGCGA-----N 101
TBFV-NC_027709.1 GGUAAGGGGGGGCGGUCCCCCUCGACGAGUGUCGAAAGAGACCGCAA-----N 101
TBFV-NC_001672.1 GGUAAGGGGGGGCGGUCCCCCUCGACGAGUGUCGAAAGAGACCGCAA-----N 101
TBFV-NC_005062.1 GGAAAGGGGGGGCGGUCCCCCUCGACGAGUGUCGAAAGAGACCGCUA-----N 101
TBFV-NC_003687.1 GGAAAGGGGGGGCGGUCCCCCUAGGC--CAAGCUUAAAGUGACCGCAAAUAAGU-----N 101
0.....70.....80.....90.....100.....110.....1



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MBFV-NC_002640.1 NNNNNNCCCCCAACACA-A-AAACAGCAUAUUGACG-CUGGGAA--AGACCAGAGAUC 156
MBFV-NC_001474.2 NNNNNNCCCCCGAAACAA-A-AAACAGCAUAUUGACG-CUGGGAA--AGACCAGAGAUC 156
MBFV-NC_001477.1 NNNNNNCCCCGACACAA-A-C-AAACAGCAUAUUGACG-CUGGGAG--AGACCAGAGAUC 156
MBFV-NC_001475.2 NNNNNNCCCCCGCAAAUA-A-AAACAGCAUAUUGACG-CUGGGAG--AGACCAGAGAUC 156
MBFV-NC_012532.1 NNNNNNCCCCGGAAAACGCA-AAACAGCAUAUUGACG--UGGGAA--AGACCAGAGACUC 156
MBFV-NC_035889.1 NNNNNN-CCCGGAAAACGCA-AAACAGCAUAUUGACG-CUGGGAA--AGACCAGAGACUC 156
MBFV-NC_012533.1 NNNNNNA--UAACCAACAA-A-AAACAGCAUAUUGACACCCUGGGAA--AGACCGGAGACUC 156
MBFV-NC_001563.2 NNNNNNAA--ACACCAAAAG-AAACAGCAUAUUGACACCCUGGGA--UAGACUAGGGGAUC 156
MBFV-NC_009942.1 NNNNNNAA--CACCACAACA-AAACAGCAUAUUGACACCCUGGGA--UAGACUAGGGAUC 156
MBFV-NC_006551.1 NNNNNNNA--AGCAUACAAA-AAACAGCAUAUUGACACCCUGGGAAUAGACUAGGAGAU 158
MBFV-NC_009029.2 NNNNNNAG--CGAAACACA-AAACAGCAUAUUGACACCCUGGGA--AGACUAGGGGAU 156
MBFV-NC_032088.1 NNNNNNNA--CCGCAAAACA-AAACAGCAUAUUGACACCCUGGGA--UAGACUAGGGAUC 156
MBFV-NC_012534.1 NNNNNNNA--CACCAAAACA-AAACAGCAUAUUGACACCCUGGGA--GAGACUAGGAGACC 156
MBFV-NC_015843.2 NNNNNNNGA--ACACCAAG-AAACAGCAUAUUGACACCCUGGGA--UAGACUAGGAGACC 156
MBFV-NC_009028.2 NNNNNNCA--AGCGCGAA-ACAAACAGCAUAUUGACGCCUGGGA--AAGACCGGGAGAU 156
MBFV-NC_040776.1 NNNNNN-A--AGCGCAAAGACAAACAGCAUAUUGACACCCUGGGA--AAGACCGGGAGACC 156
MBFV-NC_034151.1 NNNNNNNGA--A-CGCAAAUAAAAACAGCAUAUUGACACCCUGGGA--UAGACUGGGAGACC 156
MBFV-NC_000943.1 NNNNNNAA--AAGCAUCAAAACACAGCAUAUUGACACCCUGGGA--AAGACUAGGGGAUC 157
MBFV-NC_007580.2 NNNNNNCCGUUAACGCAAAAC--AACAGCAUAUUGACACCCUGG--A-AAGAC-AGGAGAU 155
MBFV-NC_009026.2 NNNNNNNA--CGCACCAAAAGAAACAGCAUAUUGACACCCUGGGA--UAGACCGGAGAAU 156
MBFV-NC_001437.1 NNNNNN-----CAUAUUGACACCCUGGGAA-UAGACUGGGGAGAU 139
MBFV-NC_008719.1 NNNNNNCC-GAGCAC-UAUAGC-GGACCAUAUUGACGCCUGGGGA--AGACCGGAGACAC 156
MBFV-NC_012735.1 NNNNNNCC-GAGCACACAUAGC-GGACCAUAUUGACGCCAGGGGA--AGACCGGAGACAC 157
MBFV-NC_002031.1 NNNNNN-A-GGGAACAAUAGUGGGACCAUAUUGACGCCCAGGGGA--AGACCGGAGUGGU 157
MBFV-NC_003690.1 NNNNNNNAUAUUUCCUCCUC-CUAUACCAA-UUCCCCCUCGACAGAGGGGGGGCGGUUC 159
TBFV-NC_001809.1 NNNNNNNG-UUUUUCUCCUC-CUAUACCAA-UUCCCCCUCGACAGAGGGGGGGCGGUUC 159
TBFV-NC_027709.1 NNNNNNNGAUUUUCCUCCUC-CUAUACCAA-UUCCCCCUCGACAGAGGGGGGGCGGUUC 159
TBFV-NC_001672.1 NNNNNN-----UAUACAAA-UUCCCCCUCGUAAGAGGGGGGGCGGUUC 144
TBFV-NC_005062.1 NNNNNN-----UAUACAAA-UUCCCCCUCAUUCUGAGGGGGGGCGGUUC 144
TBFV-NC_003687.1 NNNNNN-AUUUUUCCGCCUC-CUAUACAAAU-UUCCCCCAGGAACUGGGGGGGCGGUUC 159
20.....130.....140.....150.....160.....170.....1



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MBFV-NC_002640.1 UGCUGUCUCUG----- 167
MBFV-NC_001474.2 UGCUGUCUCCU----- 167
MBFV-NC_001477.1 UGCUGUCUCUA----- 167
MBFV-NC_001475.2 UGCUGUCUCCU----- 167
MBFV-NC_012532.1 CAUGAGUUUCC----- 167
MBFV-NC_035889.1 CAUGAGUUUCC----- 167
MBFV-NC_012533.1 UGUUGGCUUUC----- 167
MBFV-NC_001563.2 UUCUGCUCUG-C----- 167
MBFV-NC_009942.1 UUCUGCUCUG-C----- 167
MBFV-NC_006551.2 UUCUGCUCU----- 167
MBFV-NC_009029.1 UGCUGCUCUG-G----- 167
MBFV-NC_032088.1 CGCUGCUCUG-G----- 167
MBFV-NC_012534.1 CUCUGUCCUA-A----- 167
MBFV-NC_015843.2 CUCUGUCCUA-A----- 167
MBFV-NC_009028.2 CUCUGCUUUC-C----- 167
MBFV-NC_040776.1 CUCUGCUCUG-C----- 167
MBFV-NC_034151.1 CUCUGCUUUA-U----- 167
MBFV-NC_000943.1 UUCUGCUCUA----- 167
MBFV-NC_007580.2 CCCUGCUUUUC----- 167
MBFV-NC_009026.2 UGCUGC-CUCG----- 167
MBFV-NC_001437.1 UUCUGCUCUAUCUACAUCAGCUACUA 167
MBFV-NC_008719.1 UCCUUGAUUC----- 167
MBFV-NC_012735.1 UCCUUGAUUC----- 167
TBFV-NC_002031.1 UCUCUGCU----- 167
TBFV-NC_003690.1 UUGUUCUC----- 167
TBFV-NC_001809.1 UUGUUCUC----- 167
TBFV-NC_027709.1 UUGUUCUC----- 167
TBFV-NC_001672.1 UUGUUCUCCUG-----AGCCACCAUCA 167
TBFV-NC_005062.1 UUGUUCUCCUG-----AGCCACCAUCA 167
TBFV-NC_003687.1 UUGUUCUC----- 167
80.....190.....200.....

