

MBFV-NC_034151.1 ----UGAAUA-----GUUUUUUGAACAGAGGUGAAAAACCAUGUCU---AAAAAACCCAGGA 48
MBFV-NC_012534.1 ----AGUUUGAAC--GUUUUUUGGAGAGA---GAUUAUUUGUUUAACAAAAAACCCAGGA 51
MBFV-NC_015843.2 ----AGUUUGAAC--GUUUUUUGGAUAGA---GACAACUAGUCUAACAAAAAACCCAGGA 51
MBFV-NC_009029.2 ACACAGUGUGAACAAGUUUUUUGAACAG-----CAAUGACC---AAAAAACCCAGGA 48
MBFV-NC_032088.1 ----AGUGUGAACAAAGUUUUUUGAUCAGUGG-----AUAAGACU---AAAAAACCCAGGA 48
MBFV-NC_009026.2 -----UCGAGGAAAGACGAGAAAGCGAAUUCUCUG---AAUGGCU---AGAAAAACCAGGA 48
MBFV-NC_007580.2 -----GCGAACAGUUUUUAGC--AGGGAAUUAACCCAAUGUCU---AAAAAACCCAGGA 48
MBFV-NC_001563.2 -----U-GCGAGCUGUUUCUUGGC--ACGAAGAUCU-CGAUGUCU---AAGAAACCAGGA 48
MBFV-NC_009942.1 -----U-GCGAGCUGUUUCUAGC--ACGAAGAUCU-CGAUGUCU---AAGAAACCAGGA 48
MBFV-NC_009028.2 -----U-CUGAAUAGUUUUUAGC-A-AGGGAUUUCCCAUGUCU---AAAAAACCCAGGA 48
MBFV-NC_040776.1 -----U-CUGAAUAGUUUUUAGC-A-GAGGUACUACCAUGUCU---AAAAAACCCAGGA 48
MBFV-NC_000943.1 -----UGAACAGUUUUUUGGAGCUUUUGAUUUCAAUGUCU---AAAAAACCCAGGA 48
MBFV-NC_006551.1 -----GCCGGCAGUUUCUUGAGC-GUUGAUUUUCAAUGUCU---AAGAAACCAGGA 48
MBFV-NC_001437.1 -----UUAAACAGUUUUUAGA-ACGGAAGAUAAACCAUGACU---AAAAAACCCAGGA 48
MBFV-NC_002640.1 -----UGUUUGAAUAGA---GAGCAGAUCUCUGGAAAAAUG---AA--CCAACGAAAAA 46
MBFV-NC_001474.2 ACAGUUUUUUAAUAGA---GAGCAGAUCUCUG-----AUGAAUA--CCAACGGAAAA 49
MBFV-NC_001477.1 AACAGUUUUUUAAUAGA---GAGCAGAUCUCUG-----AUGAACAA--CCAACGGAAAA 49
MBFV-NC_001475.2 GACAGUUUUUUAAUAGA---GAGCAGAUCUCUG-----AUGAACAA--CCAACGGAAGA 49
MBFV-NC_012532.1 ----AUUUGGAUUUGGA---AACGAGAG-UUUCUGGUCUGAAAAAACCCCAAAGAAGAA 51
MBFV-NC_035889.1 ----UUUGGAUUUGGA---AACGAGAG-UUUCUGGUCAGUUUUAAACCCAAAAAAGAA 50
MBFV-NC_012533.1 ----GUGUUGAGAAAGA---AAACAGAU-UCUUCGGAAAUGAAAA--CCCAAAAAAGG- 48
MBFV-NC_008719.1 ---AAAGGGUAGAGA-----AAAGGAGUUUGCUUCUCAUGGCAACAAGAGGAGCAAGC 51
MBFV-NC_012735.1 ---AAGGGAUAGAAG-----AAAGGAGAUUCAUCCCAUGGCAACAAGGGGAUGAAU 51
MBFV-NC_002031.1 UUGAGCGAUUAGCAG-----AGAACUGACCAGAAC-----AUGUC-----UGGUCGU 42
TBFV-NC_001672.1 AAAGACAGCUUAGGAGA---ACAAGAGCUGGGG-----AUGGUCAAGAAGGCCAUCCUG 51
TBFV-NC_005062.1 AAAGACAGCUUAGGAGA---ACAAGAGCUGGGG-----AUGGCCGGGAAGGCCAUUCUG 51
TBFV-NC_003690.1 AAAGACAGCUUAGGAGA---ACAAGAGCUGGGA-----AUGGCCGGGAAGGCCGUUCUA 51
TBFV-NC_001809.1 AAAGACAGCUUAGGAGA---ACAAGAGCUGGGG-----AUGGGCAGGAAGACCAUCCUG 51
TBFV-NC_027709.1 AAAGACAGCUUAGGAGA---ACAAGAGCUGGGG-----AUGGGCAGGAAGACCAUCCUG 51
TBFV-NC_003687.1 -----AGCUUAGGAGA---ACAAGAGCUGGGGAGUGGUUAUG-----AUGACCACUUCU 45
.....10.....20.....30.....40.....50.....6



.....((((((((((((.....
MBFV-NC_034151.1 GGACCC--GGAAAGAACGGGUCGUUAAUAUGCUGAAGCGCACAUCCCGCGCUA----- 100
MBFV-NC_012534.1 AAACCC--GGGGCAACCCGGGUUGUCAUAUAGCUAAAGCGCGGUGCAU---CCC----- 100
MBFV-NC_015843.2 AGACCC--GGGUCAGGCGGGUUGUCAUAUAGCUAAAGCGCGGAACGU---CCC----- 100
MBFV-NC_009029.2 AGGCCC--GGUAGAAAUCGGGCCGUCAAUAUGCUGAAAGCGCGGGUGCGUCCCGCG----- 100
MBFV-NC_032088.1 AAGUCC--GGCAAUCGUCGGACUGUCAUAUAGCUAAAGCGCGGAGCAUCCCGCG----- 100
MBFV-NC_009026.2 AGACCC--GGAGGAAACGGGUCGUCAAUAUGCUGAAAGCGUACGGCGGCCAACG----- 100
MBFV-NC_007580.2 AAACCC--GGUAGAAACGGGUUGUCAUAUAGCUAAAAACGCGGCGUAUCCCGCG----- 100
MBFV-NC_001563.2 GGGCCC--GGUAAAAACGGGCUGUCAUAUAGCUAAAACGCGGUUAUGCCCCCGCG----- 100
MBFV-NC_009942.1 GGGCCC--GGCAAGAGCGGGCUGUCAUAUAGCUAAAACGCGGAUUGCCCCCGCG----- 100
MBFV-NC_009028.2 AAGUCC--CGUCGAAAGCGGACUGUCAUAUAGCUAAAACGCGGCUAGCGUGU----- 100
MBFV-NC_040776.1 GGACCC--GCCGGAAGGCGGGUUGUCAUAUAGCUGAAACGCCAGCCAGCGUUU----- 100
MBFV-NC_000943.1 GGACCC--GGGAAGCCCCGGGUCGUCAAUAUGCUGAAAAACGCGGCAUACCCCGCG----- 100
MBFV-NC_006551.1 GGGCCC--GGAAGAAACGGGGCAUCAAUAUGCUGAAACGCGGCAUACCCCGCG----- 100
MBFV-NC_001437.1 GGGCCC--GGUAAAAACGGGCUUCAAUAUGCUGAAACGCGGCAUACCCCGCG----- 100
MBFV-NC_002640.1 AG--GU--G--GUUAGACACCUUUUCAUAUAGCUGAAACGCGAGAGAAACCGCGUAUCA 99
MBFV-NC_001474.2 AG--GC--G--GAAACACGCCUUUCAUAUAGCUGAAACGCGAGAGAAACCGCGUGU-- 100
MBFV-NC_001477.1 AG--AC--G--GGUCGACCGUCUUUCAUAUAGCUGAAACGCGGAGAAACCGCGUGU-- 100
MBFV-NC_001475.2 AG--AC--G--GGAAAAACGUCUAUCAUAUAGCUGAAACGCGUGAGAAACCGUGUGU-- 100
MBFV-NC_012532.1 AU--CC--GGAGGA-UCCGGAUUGUCAUAUAGCUAAAACGCGGAGUAGCCCGUG----- 100
MBFV-NC_035889.1 AU--CC--GGAGGAUUCGGAUUGUCAUAUAGCUAAAACGCGGAGUAGCCCGUG----- 100
MBFV-NC_012533.1 -----GCCGACUCGCGGCCUAUCAUAUAGCUGAAAGCGCUUUGGAUUCGAGCGUGGC 99
MBFV-NC_008719.1 AAGUCUCGGG-UC-ACGACCCGGGGCGUCAUAUUGGUGACGGCCAAGGC-----CA-- 100
MBFV-NC_012735.1 AAGUCUCGGGCUCAUCCCGAGGCGUCAUAUUGGUAG--CGGCUAGAGU-----GA-- 100
MBFV-NC_002031.1 AAAGCUCAGGGAACAAACCCUGGGCGUCAUAUUGGUACGACGAGGAGUUCGUCCUUGU-- 100
TBFV-NC_001672.1 AAAGGUAAGGGGGGCGGUCCCCUCGACGAGUGUCGAAAGAGACCGCAA----- 100
TBFV-NC_005062.1 AAAGGAAAGGGGGGCGGUCCCCUCGACGAGUGUCGAAAGAGACCGCUA----- 100
TBFV-NC_003690.1 AAAGGAAAGGGGGGCGGUCCCCUCGACGAGCGUCGAAAGAGGCCCCAA----- 100
TBFV-NC_001809.1 AAAGGCAAGGGGGGCGGUCCCCUCGACGAGUGUCGAAAGAGACCGCGA----- 100
TBFV-NC_027709.1 AAAGGUAAGGGGGGCGGUCCCCUCGACGAGUGUCGAAAGAGACCGCAA----- 100
TBFV-NC_003687.1 AAAGGAAAGGGGGGCGGUCCCCUAGCGCAAGCUUAAAGUGACCGCAAUAAGU----- 100
0.....70.....80.....90.....100.....110.....1



.....))))))))).....
MBFV-NC_034151.1 -NNNNNNNN-GAACGCAAAUA-AAAACAGCAUAUUGACAC-CUGGGA--UAGACUGGGAGA 154
MBFV-NC_012534.1 -NNNNNNNN-AACACCAAAAC-AAAACAGCAUAUUGACAC-CUGGGA--GAGACUAGGAGA 154
MBFV-NC_015843.2 -NNNNNNNN-GAACACCACA-AAAACAGCAUAUUGACAC-CUGGGA--UAGACUAGGAGA 154
MBFV-NC_009029.2 -NNNNNNNN-AGCGCAACAC-AAAACAGCAUAUUGACAC-CUGGGA--AAGACUAGGGGA 154
MBFV-NC_032088.1 -NNNNNNNN-UACCGCAAAAC-AAAACAGCAUAUUGACAC-CUGGGA--UAGACUAGGAGA 154
MBFV-NC_009026.2 -NNNNNNNN-ACGCACCAAAA-GAAACAGCAUAUUGACAC-CUGGGA--UAGACCGGAGAA 154
MBFV-NC_007580.2 -NNNNNNNNNCCGUUAACGCAA-ACAACAGCAUAUUGACAC-CUGG--AAAGACAGGAGA 153
MBFV-NC_001563.2 -NNNNNNNN-AAACACCAAAA-GAAACAGCAUAUUGACAC-CUGGGA--UAGACUAGGGGA 154
MBFV-NC_009942.1 -NNNNNNNN-AAACACCACA-AAAACAGCAUAUUGACAC-CUGGGA--UAGACUAGGAGA 154
MBFV-NC_009028.2 -NNNNNNNNCAAGCGCGAA-A-CAAACAGCAUAUUGACGC-CUGGGA--AAGACCGGGAGA 154
MBFV-NC_040776.1 -NNNNNNNN-AAGCGCAAGAA-CAAACAGCAUAUUGACAC-CUGGGA--AAGACCGGGAGA 154
MBFV-NC_000943.1 -NNNNNNNNAAAAAG-CAUCAA-ACAACAGCAUAUUGACAC-CUGGGAA-AAGACUAGGAGA 155
MBFV-NC_006551.1 -NNNNNNNNUAAGC-AUCAAA-AAAACAGCAUAUUGACAC-CUGGGAAUUAAGACUAGGAGA 156
MBFV-NC_001437.1 -NNNNNNNN-----CAUAUUGACAC-CUGGGAA-UAGACUGGGAGA 137
MBFV-NC_002640.1 ANNNNNNNNNCCCCCAACACA-AAAACAGCAUAUUGACG--CUGGGA--AAGACCAGAGAU 154
MBFV-NC_001474.2 -NNNNNNNNNCCCCGAAACAA-AAAACAGCAUAUUGACG--CUGGGA--AAGACCAGAGAU 154
MBFV-NC_001477.1 -NNNNNNNNNCCCGCACAACAA-CAAACAGCAUAUUGACG--CUGGGA--GAGACCAGAGAU 154
MBFV-NC_001475.2 -NNNNNNNNNCCCCGCAAAUA-AAAACAGCAUAUUGACG--CUGGGA--GAGACCAGAGAU 154
MBFV-NC_012532.1 -NNNNNNNNNCCCGGAAAACGCAAAACAGCAUAUUGACG--UGGGA--AAGACCAGAGAC 154
MBFV-NC_035889.1 -NNNNNNNN-CCCGGAAAACGCAA--ACAGCAUAUUGACGCGGGA--AAGACCAGAGAC 154
MBFV-NC_012533.1 CNNNNNNNNA--UAACCAACAUA AAAACAGCAUAUUGACAC-CUGGGA--AAGACCGGAGAC 154
MBFV-NC_008719.1 -NNNNNNNNCCGAGCAC-UUAUAGC-GGACCAUAUUGACGC-CUGGGA--AAGACCGGAGAC 154
MBFV-NC_012735.1 -NNNNNNNNNCCGAGCACACAUAGC-GGACCAUAUUGACGC-CAGGGA--AAGACCGGAGAC 155
MBFV-NC_002031.1 -NNNNNNNN-AGGGAACAAUAGUGGACCAUAUUGACGC-CAGGGA--AAGACCGGAGUG 155
TBFV-NC_001672.1 -NNNNNNNN-----UAUACAAA-UUCCCCCUCG-----UAGAGGGGGGGGC 139
TBFV-NC_005062.1 -NNNNNNNN-----UAUACAAA-UUCCCCCUCAU-----CUGAGGGGGGGGC 139
TBFV-NC_003690.1 -NNNNNNNNNGAUUUUCCUCCUCCUAUACCAA-UUCCCCCUCU-----CAGAGGGGGGGGC 154
TBFV-NC_001809.1 -NNNNNNNNNG-UUUUCCUCCUCCUAUACCAAUUUCCCCCUCG-----CAGAGGGGGGGGC 154
TBFV-NC_027709.1 -NNNNNNNNNGAUUUUCCUCCUCCUAUACCAA-UUCCCCCUCG-----CAGAGGGGGGGGC 154
TBFV-NC_003687.1 -NNNNNNNN-AUUUUUCCGCCUCCUAUACUAAAUUCCCCCAGGA-----AACUGGGGGGGGC 154
20.....130.....140.....150.....160.....170.....1



.....
MBFV-NC_034151.1 CCCUCUGC-UUAUU----- 167
MBFV-NC_012534.1 CCCUCUGU-CCUAA----- 167
MBFV-NC_015843.2 CCCUCUGU-CCUAA----- 167
MBFV-NC_009029.2 UUUGCUGC-UCUGG----- 167
MBFV-NC_032088.1 UCCGUGC-UCUGG----- 167
MBFV-NC_009026.2 UUUGCUGCCUC-GC----- 167
MBFV-NC_007580.2 UCCUCUGCUUUUUC----- 167
MBFV-NC_001563.2 UCUUCUGC-UCUGC----- 167
MBFV-NC_009942.1 UCUUCUGC-UCUGC----- 167
MBFV-NC_009028.2 UCCUCUGC-UUUC----- 167
MBFV-NC_040776.1 CCCUCUGC-UCUGC----- 167
MBFV-NC_000943.1 UCUUCUGCUCU--A----- 167
MBFV-NC_006551.1 UCUUCUGCUCU----- 167
MBFV-NC_001437.1 UCUUCUGCUCUAUCUCAACAUCAGCUACUA 167
MBFV-NC_002640.1 CCUGCUGUCUCUG----- 167
MBFV-NC_001474.2 CCUGCUGUCUCCU----- 167
MBFV-NC_001477.1 CCUGCUGUCUCUA----- 167
MBFV-NC_001475.2 CCUGCUGUCUCCU----- 167
MBFV-NC_012532.1 UCCAUGAGUUUCC----- 167
MBFV-NC_035889.1 UCCAUGAGUUUCC----- 167
MBFV-NC_012533.1 UCUGUUGGCUUUC----- 167
MBFV-NC_008719.1 ACUCCUUGAUUC----- 167
MBFV-NC_012735.1 ACUCCUUGAUUC----- 167
TBFV-NC_002031.1 GUUCUCUGCUU-U----- 167
TBFV-NC_001672.1 GGUUCUUGUUCUCCUG--AGCCACCAUCA 167
TBFV-NC_005062.1 GGUUCUUGUUCUCCUG--AGCCACCAUCA 167
TBFV-NC_003690.1 GGUUCUUGUUCUC----- 167
TBFV-NC_001809.1 GGUUCUUGUUCUC----- 167
TBFV-NC_027709.1 GGUUCUUGUUCUC----- 167
TBFV-NC_003687.1 GGUUCUUGUUCUC----- 167
80.....190.....200.....

