

MBFV-NC_008719.1 AUUU-----CUACUGAAAGG-GUAGAGAAAAGGAGUUUUGCUUC---UC----- 40
MBFV-NC_012735.1 -UUU-----CUACUGAAAGGAGUAGAAGAAAGGAGAUUCAUUC---CA----- 40
MBFV-NC_002031.1 UAAU-----CGUUCGUAUGAGCGAUUAGC-AGAGAACUGACCAGA---AC----- 40
MBFV-NC_012532.1 AACAGGUUUA-----AUUU-----GGAUUUGGAAACGAGA---GUUUCUGG---UC----- 40
MBFV-NC_035889.1 ACAGGUUUUA-----UUUU-----GGAUUUGGAAACGAGA---GUUUCUGG---UC----- 40
MBFV-NC_012533.1 AACAGUUUUC-----GUGU-----UGAGAAAGAAAACAGA---UUCUUCGG---AA----- 40
MBFV-NC_002640.1 -----UCUAACAGUUUG-----UUUGAAUAGAGAGCAG---AUCUCUGGAAAA----- 40
MBFV-NC_001474.2 -CGUAGUUCUAACAGUUU-----UUUAAUUAGAGAGCAG---AUCUCUG----- 40
MBFV-NC_001477.1 ACGUAGUUCUAACAGUU-----UUU-AUUAGAGAGCAG---AUCUCUG----- 40
MBFV-NC_001475.2 ACGUAGUGCUGACAGUU-----UUU-AUUAGAGAGCAG---AUCUCUG----- 40
MBFV-NC_009029.2 UGAUUACAUAACACAGUGUGAACAAGUUUUUUGAACAGCA----- 40
MBFV-NC_032088.1 UC-----UAUAACUCAGUGUGAACAAGUUUUUUGAUCAGUGGA-U---A----- 40
MBFV-NC_001437.1 -U-----UAGUGCAGUUUAAACAGUUUUUUAGAACCGGAAGA-UAAC-C----- 40
MBFV-NC_000943.1 -----UAACGCGGUUUGAACAGUUUUUUUGGAGCUUUUGA-UUUCAA----- 40
MBFV-NC_006551.1 -U-----UAACACAGUGCCGGCAGUUUCUUUGAGC-GUUGA-UUUUCA----- 40
MBFV-NC_001563.2 AU-----UAACACAGUGCCGAGCUGUUUCUUGGCAC-GAAGA-UCUC-G----- 40
MBFV-NC_009942.1 AU-----UAACACAGUGCGAGCUGUUUCUUGGCAC-GAAGA-UCUC-G----- 40
MBFV-NC_009028.2 UU-----UAACACAGUCUGAAUAGUUUUUU--AGCAAGGGA-UUUC--- 40
MBFV-NC_040776.1 UU-----UAACACAGUCUGAAUAGUUUUUU--AGCAGAGGU-ACUACC----- 40
MBFV-NC_034151.1 -----UAACACAGUGUGAAUAGUUUUUU-GAACAGAGGUGAAACC----- 40
MBFV-NC_012534.1 CCGUA---AACACAGUUUGAAC--GUUUUUUGGAGAGAG---AUUAUU----- 40
MBFV-NC_015843.2 ACGUA---AACACAGUUUGAAC--GUUUUUUGGAUAGAG---ACAACU----- 40
MBFV-NC_009026.2 AG-----AAAAGUUUUCGAGGAAGACGA--GAAGCGAA-UUCUCUG---A----- 40
MBFV-NC_007580.2 UA-----ACUUGACUGCGAACAGUUUUUU--AGCAGGGA-AUUACCC---A----- 40
TBFV-NC_005062.1 -----GUGUUGAGAAAAAGACAGCUUAGGAGA-ACAAGAGCUGGGG--- 40
TBFV-NC_027709.1 -----GUGUUGAGAAAAAGACAGCUUAGGAGA-ACAAGAGCUGGGG--- 40
TBFV-NC_001672.1 -----GUGUUGAGAAAAAGACAGCUUAGGAGA-ACAAGAGCUGGGG--- 40
TBFV-NC_001809.1 -----GUGUUGAGAAAAAGACAGCUUAGGAGA-ACAAGAGCUGGGG--- 40
TBFV-NC_003690.1 -----GUGUUGAGAAAAAGACAGCUUAGGAGA-ACAAGAGCUGGGG--- 40
TBFV-NC_003687.1 -----AGAAAAAGACAGCUUAGGAGA-ACAAGAGCUGGGGAGUGG 38
.....10.....20.....30.....40.....50.....6



.....((.....(((.....((((((((((((.....
MBFV-NC_008719.1 --AUGGCAACAAGAGGAGCAAGCAAGUCUCGGGUCACGACCCGGGGGCGUCAUAUUGGUGA 98
MBFV-NC_012735.1 --AUGGCAACAAAGGGGAUGAAUAGUCUCGGGUCGAUCCCGGAGCGUCAUAUUGGUAG 98
MBFV-NC_002031.1 --AUGUC-----UGGU-----UGGUAGGUCAGGGAACCCUGGGCGUCAUAUUGGU-A 98
MBFV-NC_012532.1 --AUGAAAA-ACCCCAAAGAAGAAAU--CCGGAGGA-UCCGGAUUGUCAUAUUGCUAAAA 94
MBFV-NC_035889.1 --AUGAAAA-A-CCCAAAAAAGAAAU--CCGGAGGAUUCGGAUUGUCAUAUUGCUAAAA 94
MBFV-NC_012533.1 --AUGAAAA-CCCAAAAAAGG-----GCCGCAUCGCGGCCCUAUCAAUAUUGCUGAAG 88
MBFV-NC_002640.1 --AUG-----A-A-CCAACGAAAAAAG-GUG--GUUAGACCACCUUUCAAUAUUGCUGAAA 88
MBFV-NC_001474.2 --AUGAAUA-A-CCAACGAAAAAAG-GCG--AAAAACACGCCUUUCAAUAUUGCUGAAA 91
MBFV-NC_001477.1 --AUGAACA-A-CCAACGAAAAAAG--ACG--GGUCGACCGUCUUUCAAUAUUGCUGAAA 91
MBFV-NC_001475.2 --AUGAACA-A-CCAACGAAAAAAG--ACG--GGAAACCGUCUAUCAAUAUUGCUGAAA 91
MBFV-NC_009029.2 --AUGACCA-AAAAACCAGGAAGGCCCGGUAGAAAAUCGGGCCGUCAAUAUUGCUAAAG 94
MBFV-NC_032088.1 --AUGACUA---AAAAACCAGGAAGUCCGGCAAUCGUCGGACUGUCAUAUUGCUAAAG 94
MBFV-NC_001437.1 --AUGACUA---AAAAACCAGGAGGGCCCGGUAAAAACCCGGGCUAUCAAUAUUGCUGAAA 94
MBFV-NC_009943.1 --AUGUCUA---AAAAACCAGGAAGACCCGGGAAGCCCGGGCUGUCAUAUUGCUAAAA 94
MBFV-NC_006551.1 --AUGUCUA---AGAAACCAGGAGGGCCCGGAAGAAACCCGGGCCAUCAAUAUUGCUGAAA 94
MBFV-NC_001563.2 --AUGUCUA---AGAAACCAGGAGGGCCCGGUAAAAACCCGGGCUGUCAUAUUGCUAAAA 94
MBFV-NC_009942.1 --AUGUCUA---AGAAACCAGGAGGGCCCGGAAGAAACCCGGGCUGUCAUAUUGCUAAAA 94
MBFV-NC_009028.2 --AUGUCUA---AAAAACCAGGAAGUCCGUGCAAAGCGGACUGUCAUAUUGCUAAAA 94
MBFV-NC_040776.1 --AUGUCUA---AAAAACCAGGAGGACCCGCCGGAAGGCGGGUUGUCAUAUUGCUGAAA 94
MBFV-NC_034151.1 --AUGUCUA---AAAAACCAGGAGGACCCGGAAAGAACCCGGGUCGUAAUAUUGCUGAAG 94
MBFV-NC_012534.1 --AUGUUUA-ACAAAAAACAGGAAGACCCGGGGCAACCCGGGUUGUCAUAUUGCUAAAG 97
MBFV-NC_015843.2 --AUGUCUA-ACAAAAAACAGGAAGACCCGGCUCAGGCCGGGUUGUCAUAUUGCUAAAG 97
MBFV-NC_009026.2 --AUGGCUA---GAAACCAGGAAGACCCGGAGGAACCCGGGUCGUUCAUAUUGCUAAAG 94
MBFV-NC_007580.2 --AUGUCUA---AAAAACCAGGAAGACCCGGUAGAAACCCGGGUUGUCAUAUUGCUAAAA 94
TBFV-NC_005062.1 --AUGGCCGGGAAGGCCAUUCUGAAA---GGAAAGGGGGGCGGUC----- 94
TBFV-NC_027709.1 --AUGGGCAGGAAGUCCAUUCUGAAA---GGUAAGGGGGGCGGUC----- 94
TBFV-NC_001672.1 --AUGGUCAAAGAGGCCAUUCUGAAA---GGUAAGGGGGGCGGUC----- 94
TBFV-NC_001809.1 --AUGGGCAGGAAGACCAUCUGAAA---GGCAAGGGGGGCGGUC----- 94
TBFV-NC_003690.1 --AUGGCCGGGAAGGCCGUUCUAAAA---GGAAAGGGGGGGGUC----- 94
TBFV-NC_003687.1 UUAUG-----AUGACCACUUCUAAA---GGAAAGGGGGGCGGUC----- 88
0.....70.....80.....90.....100.....110.....1



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MBFV-NC_008719.1 CGGCCAA-----GGCCANNNNNNNCCGAGCAC-UAUAGC-GGACCAUAUUGACGC 146
MBFV-NC_012735.1 CGGCUAG-----AGUGANNNNNNNNCCGAGCACACAUAGC-GGACCAUAUUGACGC 147
MBFV-NC_002031.1 CGACGAGGAGUUCGCUCCUUGUNNNNNNNNAGG-GAACAAUAUGGGGACCAUAUUGACGC 147
MBFV-NC_012532.1 CGCGGAGUAGCCCGUG-----NNNNNNNCCCGGA-AAA-CGCAAAACAGCAUAUUGAC 146
MBFV-NC_035889.1 CGCGGAGUAGCCCGUG-----NNNNNNN-CCCGGA-AAA-CGCAAAACAGCAUAUUGAC 145
MBFV-NC_012533.1 CGCUUUGGAUCUAGCGCUGGCCNNNNNNNNA-----UAACCAA-CAUAAAACAGCAUAUUGAC 144
MBFV-NC_002640.1 CGCGAGAGAAAACCGCGUUAUCANNNNNNNNCCCCC--AAC-ACAAAACAGCAUAUUGAC 145
MBFV-NC_001474.2 CGCGAGGAGAAACCGGUGU-----NNNNNNNCCCGG--AAA-CAAAAACAGCAUAUUGAC 145
MBFV-NC_001477.1 CGCGCGAGAAACCGCGUGU--NNNNNNNCCCGCA--CAA-CAACAAACAGCAUAUUGAC 145
MBFV-NC_001475.2 CGCGUGAGAAACCGUGUGU--NNNNNNNCCCGG--CAA-AUAAAAACAGCAUAUUGAC 145
MBFV-NC_009029.2 CGCGGUGCGUCCCGCG-----NNNNNNNNA-GCGCAACA-C-A-AAACAGCAUAUUGAC 144
MBFV-NC_032088.1 CGCGGAGCAUCCCGCG-----NNNNNNNU-ACCGCAAAA-C-A-AAACAGCAUAUUGAC 144
MBFV-NC_001437.1 CGCGGCCUACCCCGCG-----NNNNNNNC-GCAUUUGCA-U-C-AAACAGCAUAUUGAC 144
MBFV-NC_000943.1 CGCGGCAUACCCCGCG-----NNNNNNNA-AAAGCAUCA-A-A-CAACAGCAUAUUGAC 144
MBFV-NC_006551.1 CGCGGCAUACCCCGCG-----NNNNNNNU-AAGCAUCA-A-A-AAACAGCAUAUUGAC 144
MBFV-NC_001563.2 CGCGGUAUGCCCGCG-----NNNNNNNA-AACACCAA-A-G-AAACAGCAUAUUGAC 144
MBFV-NC_009942.1 CGCGGAUUGCCCGCG-----NNNNNNNA-ACACCACA-C-A-AAACAGCAUAUUGAC 144
MBFV-NC_009028.2 CGCCUGGCGUAGCGUGU-----NNNNNNNC-AAGCGCAA--ACAACAGCAUAUUGAC 144
MBFV-NC_040776.1 CGCCCAGCCAGCGUUU-----NNNNNNN--AAGCGCAA-G-ACAACAGCAUAUUGAC 144
MBFV-NC_034151.1 CGCACAUCCCGCGCUA-----NNNNNNNG-AA-CGCAA-U-AAAAACAGCAUAUUGAC 144
MBFV-NC_012534.1 CGCGGUGCAUCC-----NNNNNNN--AACACCAA-A-CAAAACAGCAUAUUGAC 144
MBFV-NC_015843.2 CGCGGAACGUCC-----NNNNNNNG-AACACCACA-A-GAAACAGCAUAUUGAC 144
MBFV-NC_009026.2 CGUACGGCGGCCAACG-----NNNNNNNACGC--ACCAA-A-AGAAACAGCAUAUUGAC 144
MBFV-NC_007580.2 CGCGGAGUACCCCGCG-----NNNNNNNCCGUAAACGCA-A-AC-AACAGCAUAUUGAC 145
TBFV-NC_005062.1 UCGAAAGAGACCGCUA-----NNNNNNNU--AUACCAAUUCUCCCCUGACUGAGGGG 146
TBFV-NC_027709.1 UCGAAAGAGACCGCAA-----NNNNNNNU--AUACCAAUUCUCCCCUCGACAGAGGGG 146
TBFV-NC_001672.1 UCGAAAGAGACCGCAA-----NNNNNNNU--AUACCAAUUCUCCCCUGGUAAGAGGGG 146
TBFV-NC_001809.1 UCGAAAGAGACCGCAA-----NNNNNNNA--UACCAAUUCUCCCCUCGACAGAGGGG 146
TBFV-NC_003690.1 UCGAAAGUGGCCCCAA-----NNNNNNNU--AUACCAAUUCUCCCCUCGUCAGAGGGG 146
TBFV-NC_003687.1 CUUAAAGUGACCGCAAUAAGUNNNNNNNNA--UACUAAUUCUCCCCAGGAAACUGGGG 146
20.....130.....140.....150.....160.....170.....1



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MBFV-NC_008719.1 CUGGGA---AAGACCGGAGACACUC-CUUGAU----UCU 177
MBFV-NC_012735.1 CAGGGA---AAGACCGGAGACACUC-CUUGAU----UC- 177
MBFV-NC_002031.1 CAGGGA---AAGACCGGAGUGGUUC-UCUG-C----UUU 177
MBFV-NC_012532.1 G--UGGGA--AAGACCAGAGACUCCA-UGAGUU----UCC 177
MBFV-NC_035889.1 G-CUGGGA--AAGACCAGAGACUCCA-UGAGUU----UCC 177
MBFV-NC_012533.1 ACCUGGGA--AAGACCGGAGACUCUG-UUGGCU----UUC 177
MBFV-NC_002640.1 G-CUGGGA--AAGACCAGAGAUCUG-CUGUCU----CUG 177
MBFV-NC_001474.2 G-CUGGGA--AAGACCAGAGAUCUG-CUGUCU----CCU 177
MBFV-NC_001477.1 G-CUGGGA--GAGACCAGAGAUCUG-CUGUCU----CUA 177
MBFV-NC_001475.2 G-CUGGGA--GAGACCAGAGAUCUG-CUGUCU----CCU 177
MBFV-NC_009029.2 ACCUGGGA--AAGACUAGGGGAUUUG-CUGCUC----UGG 177
MBFV-NC_032088.1 ACCUGGGA--UAGACUAGGAGAUCG-CUGCUC----UGG 177
MBFV-NC_001437.1 ACCUGGGAA-UAGACUGGGGAGAUUU-CUGCUC----UA- 177
MBFV-NC_000943.1 ACCUGGGAA-AAGACUAGGAGAUCUU-CUGCUC----UA- 177
MBFV-NC_006551.1 ACCUGGGAAUAGACUAGGAGAUCUU-CUGCUC----U- 177
MBFV-NC_001563.2 ACCUGGGA--UAGACUAGGGGAUCUU-CUGCUC----UGC 177
MBFV-NC_009942.1 ACCUGGGA--UAGACUAGGAGAUCUU-CUGCUC----UGC 177
MBFV-NC_009028.2 GCCUGGGA--AAGACCGGGGAGAUCCU-CUGCUU----UCC 177
MBFV-NC_040776.1 ACCUGGGA--AAGACCGGGGAGACCU-CUGCUC----UGC 177
MBFV-NC_034151.1 ACCUGGGA--UAGACUGGGAGACCCU-CUGCUU----AUU 177
MBFV-NC_012534.1 ACCUGGGA--GAGACUAGGAGACCCU-CUGUCC----UAA 177
MBFV-NC_015843.2 ACCUGGGA--UAGACUAGGAGACCU-CUGUCC----UAA 177
MBFV-NC_009026.2 ACCUGGGA--UAGACCGGAGAAUUUG-CUGCCU----CGC 177
MBFV-NC_007580.2 ACCUGGAA---AGACAGAUUCC-CUGUUU----UUC 177
TBFV-NC_005062.1 GGCUG-----UUCUUGUUCUCCUGAGCCACCAUCA 177
TBFV-NC_027709.1 GCGG-----UUCUUGUUCUCCUGAGCCACCAUCA 177
TBFV-NC_001672.1 GCGG-----UUCUUGUUCUCCUGAGCCACCAUCA 177
TBFV-NC_001809.1 GCGG-----UUCUUGUUCUCCUGAGCCACCAUCA 177
TBFV-NC_003690.1 GCGG-----UUCUUGUUCUCCUGAGCCACCAUCA 177
TBFV-NC_003687.1 GCGG-----UUCUUGUUCUCCUGAGCCACCAUCA 177
80.....190.....200.....210.....

