

MBFV-NC_012532.1 -----AUUUGGAUUU---GGAAACGAGAG-UUUCUGG--UCAUGAAAAACCCCAAAAG 46
MBFV-NC_035889.1 -----UUUUGGAUUU---GGAAACGAGAG-UUUCUGG--UCAUGAAAAA-CCCAAAA 45
MBFV-NC_001477.1 -----AACAGUUUUUUAUUAGAGAGCAGA-UCUCUG----AUGAACAA--CCAACG 44
MBFV-NC_001475.2 -----GACAGUUUUUUAUUAGAGAGCAGA-UCUCUG----AUGAACAA--CCAACG 44
MBFV-NC_001474.2 -----ACAGUUUUUUAUUAGAGAGCAGA-UCUCUG----AUGAAUAA--CCAACG 44
MBFV-NC_002640.1 -----UGUUUGAAUAGAGAGCAGA-UCUCUGGAAAAAUG--AA--CCAACG 41
MBFV-NC_012533.1 -----GUGUUGAGAAAGAAAAGCAUUCUUCGGAA--AUGAA-----AACC 39
MBFV-NC_000943.1 -----UGAACAGUUUUUUGGAGCUUUUGAUUU--CAA----AUGUCU---AAAAAAC 43
MBFV-NC_006551.1 -----GCCGGCAGUUCUUGGAGC-GUUGAUUU--UCA----AUGUCU---AAGAAAC 43
MBFV-NC_001563.2 -----UGCGAGCUGUUUCUUGGCAC-GAAGAUCU--C-G----AUGUCU---AAGAAAC 43
MBFV-NC_009942.1 -----UGCGAGCUGUUUCUAGCAC-GAAGAUCU--C-G----AUGUCU---AAGAAAC 43
MBFV-NC_007580.2 -----GCGAACAGUUUUUU--AGCAGGGAAUUAACCA--AUGUCU---AAAAAAC 43
MBFV-NC_034151.1 -----UGAAUAGUUUUUU-GAACAAGGUGAGAAAC--AUGUCU---AAAAAAC 43
MBFV-NC_009028.2 -----UCUGAAUAGUUUUUU--AGCAAGGGA-UUUC--AUGUCU---AAAAAAC 43
MBFV-NC_040776.1 -----UCUGAAUAGUUUUUU--AGCAAGGU-ACUACC--AUGUCU---AAAAAAC 43
MBFV-NC_009026.2 -----UCG--AGGAAGACGAGAAGCGAAUUCUCUGA--AUGGCU---AGAAAC 43
MBFV-NC_009029.2 ACACAGUGUGAACAAGUUUUUGAACAGCA-----AUG-----ACCAAAAAAC 43
MBFV-NC_032088.1 -----AGUGUGAACAAGUUUUUGAUCAGUG--GAUA-----AUG---ACUAAAAAAC 43
MBFV-NC_012534.1 -----AGUUUGAAC--GUUUUUUGGAGAGAGAUUAU-----AUGUUUAACAAAAAAC 46
MBFV-NC_015843.2 -----AGUUUGAAC--GUUUUUUGGAUAGAGACAACU-----AUGCUAACAAAAAAC 46
MBFV-NC_001437.1 -----UUAAACAGUUUUUUAGAACGGAAGAUAA--CC--AUGACU---AAAAAAC 43
MBFV-NC_012735.1 -----AAGGAGUAGAAGAAAGGAGAUUCAUUCUCAUUGGCAACAAGGGGA 46
MBFV-NC_008719.1 -----AAAGGUAAGAAAGGAGUUUUGCUUCUCAUUGGCAACAAGAGGAG 46
MBFV-NC_002031.1 -----UUGAGCGAUUAGAGAGAACUGACCAGAACAUUGUC-----UG 37
.....10.....20.....30.....40.....50.....6



MBFV-NC_012532.1 AAGAAAUC--C--GGAGGA-UCCGGAUUG-CAAAUUGCUAAAACGCGGAGUAGCCCGUG 100
MBFV-NC_035889.1 AAGAAAUC--C--GGAGGAUUCGGAUUG-CAAAUUGCUAAAACGCGGAGUAGCCCGUG 100
MBFV-NC_001477.1 GAAAAAGA--C--GGGUCGACC--GUCUU-CAAAUUGCUGAAACGCGCGAGAAACCGCG 97
MBFV-NC_001475.2 GAAGAAGA--C--GGGAAAACC--GUCUA-CAAAUUGCUGAAACGCGUGAGAAACCGUG 97
MBFV-NC_001474.2 GAAAAAGG--C--GAAAAACAC--GCCUU-CAAAUUGCUGAAACGCGAGAGAAACCGCG 97
MBFV-NC_002640.1 AAAAAAGG--U--GGUAGACC--ACCUU-CAAAUUGCUGAAACGCGAGAGAAACCGCG 94
MBFV-NC_012533.1 CAAAAAAG--G--GCCGCAUCGCGGCCUA-CAAAUUGCUGAAGCGCUUUGGAUCUAGCG 94
MBFV-NC_000943.1 CAGGAGGACCC--GGGAAGCCCCGGGUCG-CAAAUUGCUAAAACGCGGCAUACCCCGCG 100
MBFV-NC_006551.1 CAGGAGGGCCC--GGAAGAAACCGGCCA-CAAAUUGCUGAAACGCGGCAUACCCCGCG 100
MBFV-NC_001563.2 CAGGAGGGCCC--GGUAAAAACCGGGCUG-CAAAUUGCUAAAACGCGGUAUACCCCGCG 100
MBFV-NC_009942.1 CAGGAGGGCCC--GGCAAGAGCCGGGUCG-CAAAUUGCUAAAACGCGGAAUACCCCGCG 100
MBFV-NC_007580.2 CAGGAAAACCC--GGUAGAAACCGGGUUG-CAAAUUGCUAAAACGCGGCUAUCCCCGCG 100
MBFV-NC_034151.1 CAGGAGGACCC--GGAAAGAACCGGGUCG-UAAAUUGCUGAAGCGCACAUCCGCGCUA 100
MBFV-NC_009028.2 CAGGAAAGUCC--GCUGCAAAGCGGACUG-CAAAUUGCUAAAACGCCUGGCUAGCGUGU 100
MBFV-NC_040776.1 CAGGAGGACCC--GCCGGAAGGCGGGUUG-CAAAUUGCUGAAGCGCCAGCCAGCGUUU 100
MBFV-NC_009026.2 CAGGAAGACCC--GGAGAAACCGGGUCG-CAAAUUGCUAAGCGUACGCGGCCAACG 100
MBFV-NC_009029.2 CAGGAAGGCCC--GGUAAAAACCGGGCCG-CAAAUUGCUAAAACGCGGUGCGUCCCGCG 100
MBFV-NC_032088.1 CAGGAAAGUCC--GGCAAUCGUCGGACUG-CAAAUUGCUAAGCGCGGAGCAUCCCGCG 100
MBFV-NC_012534.1 CAGGAAAACCC--GGGGCAACCCGGGUUG-CAAAUUGCUAAGCGCGGUGCAUCC-- 100
MBFV-NC_015843.2 CAGGAAGACCC--GGCUCAGGCCGGGUUG-CAAAUUGCUAAGCGCGGAACGUC-- 100
MBFV-NC_001437.1 CAGGAGGGCCC--GGUAAAAACCGGGCUA-CAAAUUGCUGAAACGCGGCCUACCCCGCG 100
MBFV-NC_012735.1 UGAAUAAGUCUGGGCUCGACUCCGAGGGCG-CAAAUUGGUG--CGGCUAG----- 95
MBFV-NC_008719.1 CAAGCAAGUCUCGGGUCACGACCCGGGGCG-CAAAUUGGUGA--CGGCCA----- 95
MBFV-NC_002031.1 GUCGUAAAGCUCAGGGAAAACCCUGGGCG-CAAAUUGGU-A--CGACGAGGAGUUCGCU 94
0.....70.....80.....90.....100.....110.....1



MBFV-NC_012532.1 -----NNNNNNNCCCGGAAAACGCAAAACAGCAUAUUGAC-G-UGGGA--AAGACCAG 150
MBFV-NC_035889.1 -----NNNNNNN-CCCGGAAAACGCAAAACAGCAUAUUGAC-GCUGGGA--AAGACCAG 150
MBFV-NC_001477.1 UGU---NNNNNNNCCCGCACAAAC-CAAAACAGCAUAUUGAC-GCUGGGA--GAGACCAG 150
MBFV-NC_001475.2 UGU---NNNNNNNCCCGCAAUA-AAAACAGCAUAUUGAC-GCUGGGA--GAGACCAG 150
MBFV-NC_001474.2 UGU---NNNNNNNCCCGGAAACAA-AAAACAGCAUAUUGAC-GCUGGGA--AAGACCAG 150
MBFV-NC_002640.1 UAUCAANNNNNNNCCCCGAACACA-AAAACAGCAUAUUGAC-GCUGGGA--AAGACCAG 150
MBFV-NC_012533.1 CUGGCCNNNNNNNAUAACCAA--CAUAAAACAGCAUAUUGACACCUGGGA--AAGACCGG 150
MBFV-NC_000943.1 -----NNNNNNNAAAAGCAUC--AAACAACAGCAUAUUGACACCUGGGAA--AAGACUAG 151
MBFV-NC_006551.1 -----NNNNNNN-UAAGCAUCA-AAAAAACAGCAUAUUGACACCUGGGAUUAGACUAG 152
MBFV-NC_001563.2 -----NNNNNNNAAAACACC-AA-AAGAAACAGCAUAUUGACACCUGGGA--UAGACUAG 150
MBFV-NC_009942.1 -----NNNNNNNNAACACCA-CA-ACAAAACAGCAUAUUGACACCUGGGA--UAGACUAG 150
MBFV-NC_007580.2 -----NNNNNNNCCGUAAACGC-AAACAACAGCAUAUUGACACCUGGGA--AGACAGG 150
MBFV-NC_034151.1 -----NNNNNNNGAA-CGCAAA-UAAAAACAGCAUAUUGACACCUGGGA--UAGACUGG 150
MBFV-NC_009028.2 -----NNNNNNNCAAGCGCGAA--ACAAACAGCAUAUUGACGCCUGGGA--AAGACCGG 150
MBFV-NC_040776.1 -----NNNNNNN-AAGCGCAA-GACAAACAGCAUAUUGACACCUGGGA--AAGACCGG 150
MBFV-NC_009026.2 -----NNNNNNN-ACGCACAA-AAGAAACAGCAUAUUGACACCUGGGA--UAGACCGG 150
MBFV-NC_009029.2 -----NNNNNNN-AGCGCAAAC-ACAAAACAGCAUAUUGACACCUGGGA--AAGACUAG 150
MBFV-NC_032088.1 -----NNNNNNN-UACCGCAA-ACAAAACAGCAUAUUGACACCUGGGA--UAGACUAG 150
MBFV-NC_012534.1 -----NNNNNNN-AACACCAA-ACAAAACAGCAUAUUGACACCUGGGA--GAGACUAG 150
MBFV-NC_015843.2 -----NNNNNNNGAACACCACA-A-GAAACAGCAUAUUGACACCUGGGA--UAGACUAG 150
MBFV-NC_001437.1 -----NNNNNNN-CAUAUUGACACCUGGGAA-UAGACUGG 133
MBFV-NC_012735.1 -AGUGANNNNNNNCCGAGCACACAUAGC-GGACCAUAUUGACGCCAGGGAAAGACCGGAG 153
MBFV-NC_008719.1 -GGCCANNNNNNNCCGAGCAC-UAUAGC-GGACCAUAUUGACGCCUGGGAAGACCGGAG 152
MBFV-NC_002031.1 CCUUGUNNNNNNNNAGG-GAACAAUAGUGGGACCAUAUUGACGCCAGGGAAAGACCGGAG 153
20.....130.....140.....150.....160.....170.....1



MBFV-NC_012532.1)..)))))..... 167
MBFV-NC_035889.1 AGACUCCAUGAGUUUC----- 167
MBFV-NC_001477.1 AGAUCCUGCUGUCUCUA----- 167
MBFV-NC_001475.2 AGAUCCUGCUGUCUCCU----- 167
MBFV-NC_001474.2 AGAUCCUGCUGUCUCCU----- 167
MBFV-NC_002640.1 AGAUCCUGCUGUCUCUG----- 167
MBFV-NC_012533.1 AGACUCUGUUGGCUUUC----- 167
MBFV-NC_000943.1 GAGAUCUUCUGCUCUA----- 167
MBFV-NC_006551.1 GAGAUCUUCUGCUCU----- 167
MBFV-NC_001563.2 GGGAUUCUUCUGCUCUGC----- 167
MBFV-NC_009942.1 GAGAUCUUCUGCUCUGC----- 167
MBFV-NC_007580.2 AGAUCCUGCUGUUUUC----- 167
MBFV-NC_034151.1 GAGACCCUGCUGCUAAU----- 167
MBFV-NC_009028.2 GAGAUCUCUGCUCUUC----- 167
MBFV-NC_040776.1 GAGACCCUGCUGCUCUGC----- 167
MBFV-NC_009026.2 AGAAUUGCUGCCUGC----- 167
MBFV-NC_009029.2 GGGAUUUGCUGCUCUGG----- 167
MBFV-NC_032088.1 GAGAUCGCGUGCUCUG----- 167
MBFV-NC_012534.1 GAGACCCUGGUCCUAA----- 167
MBFV-NC_015843.2 GAGACCCUGGUCCUAA----- 167
MBFV-NC_001437.1 GAGAUCUUCUGCUCUAUCUCAACAUCAGCUACUA 167
MBFV-NC_012735.1 ACACUCUUGAUUC----- 167
MBFV-NC_008719.1 ACACUCUUGAUUC----- 167
MBFV-NC_002031.1 UGGUUCUGCUCU-U----- 167
80.....190.....200.....210..

