

MBFV-NC_012735.1 AAGGAGUAGAAGA-----AAGGAGAUUCAUCCCAAUGGCAACAAAGGGGAUGAAUA 52
MBFV-NC_008719.1 AAAGGGUAGAGAA-----AAGGAGUUUUGCUUCUCAUGGCAACAAGAGGAGCAAGCA 52
MBFV-NC_002031.1 UUGAGCGAUUAGC-----AGAGAACUGACCAGAACCAUGUC-----UGGUCGUA 43
MBFV-NC_002640.1 -----UGUUUGA---AUAGAGAGCAGAUUCUCUGGAAAAAUG---AA--CCAACGAAAAAA 47
MBFV-NC_001474.2 ACAGUUUUUUA---UUAGAGAGCAGAUUCUCUG-----AUGAAUA---CCAACGGAAAAA 50
MBFV-NC_001477.1 AACAGUUUUUA---UUAGAGAGCAGAUUCUCUG-----AUGAACAA---CCAACGGAAAAA 50
MBFV-NC_001475.2 GACAGUUUUUA---UUAGAGAGCAGAUUCUCUG-----AUGAACAA---CCAACGGAAAGAA 50
MBFV-NC_012533.1 ----GUGUUGAG---AAAGAAAACAGAU-UCUUCGGAAAUGAAAAAC--CCAA---AAAAG 47
MBFV-NC_012532.1 ----AUUUGGA---UUUGGAAACGAGAGUUUCUGGUCAUGAAAAACCCCAAAGAAGAAA 52
MBFV-NC_035889.1 ----UUUUGGA---UUUGGAAACGAGAGUUUCUGGUCAUGAAAAA-CCCAAAAAAGAAA 51
MBFV-NC_009029.2 ACACAGUGUGAACAAGUUUUUUGAACAG-----CAAUGACC---AAAAAACCGAGGAA 49
MBFV-NC_032088.1 ----AGUGUGAACAAAGUUUUUUGAUCAGUGGA---UAAUGACU---AAAAAACCGAGGAA 49
MBFV-NC_001563.2 ----UGCGAGCUGUUUCUUGGCAC-GAAGA-UCUCGAUGUCU---AAGAAACCGAGGAG 49
MBFV-NC_009942.1 ----UGCGAGCUGUUUCUUAGCAC-GAAGA-UCUCGAUGUCU---AAGAAACCGAGGAG 49
MBFV-NC_006551.1 ----GCCG-GCAGUUUCUUUGAGC-GUUGAUUUUCAUGUCU---AAGAAACCGAGGAG 49
MBFV-NC_000943.1 ----U--GAACAGUUUUUGGAGCUUUUGAUUUCAAUGUCU---AAAAAACCGAGGAG 49
MBFV-NC_007580.2 ----GCGAACAGUUUUUAGCAGGGAAU-UACCCAUGUCU---AAAAAACCGAGGAA 49
MBFV-NC_012534.1 ----AGUUUGAACGUUUUUUGGAGAGAGAUUAU---AUGUUUAACAAAAAACCGAGGAA 52
MBFV-NC_015843.2 ----AGUUUGAACGUUUUUUGGAUAGAGACAACU---AUGUCUAACAAAAAACCGAGGAA 52
MBFV-NC_034151.1 ----UGAAUAGUUUUUGAACAGAGGUGAAAAACCAUGUCU---AAAAAACCGAGGAG 49
MBFV-NC_009028.2 ----UCUGAAUAGUUUUU-AGCAAGGGA-UUCCCAUGUCU---AAAAAACCGAGGAA 49
MBFV-NC_040776.1 ----UCUGAAUAGUUUUU-AGCAGAGGU-ACUACCAUGUCU---AAAAAACCGAGGAG 49
MBFV-NC_009026.2 UCGAGGAAGA-----CGAGAACGAAUUCUCUGAAUGGCU---AGAAAAACCGAGGAA 49
MBFV-NC_001437.1 ----UUAACAGUUUUUAGAACGGAAGA-UAACCAUGACU---AAAAAACCGAGGAG 49
.....10.....20.....30.....40.....50.....6



MBFV-NC_012735.1 AGUCUCGGGCUCGAUCCGAGGGCGUCAAUUGGUA--GCGGCUAAG-----GUGA 100
MBFV-NC_008719.1 AGUCUCGGGUCACGACC GGGGCGUCAAUUGGUG--ACGGCCAAG-----GCCA 100
MBFV-NC_002031.1 AAGCUCAGGGAAAAACC GGGGCGUCAAUUGGUA---CGAGAGGAGUUCGCUCCUUGU 100
MBFV-NC_002640.1 GG--U---G--GUUAGAC CACCUUUCAAUUGCUGAAACGCGAGAGAAACCGCGUAUCA 100
MBFV-NC_001474.2 GG--C---G--AAAAACACGCCUUUCAAUUGCUGAAACGCGAGAGAAACCGCGUGU--- 100
MBFV-NC_001477.1 GA--C---G--GGUCGAC CGUCUUUCAAUUGCUGAAACGCGCGAGAAACCGCGUGU--- 100
MBFV-NC_001475.2 GA--C---G--GGAAAA CGUCUAUCAAUUGCUGAAACGCGUGAGAAACCGUGUGU--- 100
MBFV-NC_012533.1 GG--C---C--GCAUCG CGGCCUAUCAAUUGCUGAAGCGCUUUGGAUCUAGCGCUGGCC 100
MBFV-NC_012532.1 UC--C---GGAGGA-UC GGAUUGUCAAUUGCUAAAACGCGGAGUAGCCCGUG----- 100
MBFV-NC_035889.1 UC--C---GGAGAUUC GGAUUGUCAAUUGCUAAAACGCGGAGUAGCCCGUG----- 100
MBFV-NC_009029.2 GGCC--GGUAGAAAU CGGGCCGUCAAUUGCUAAAGCGCGGUGCGUCCCGCG----- 100
MBFV-NC_032088.1 AGUC--GGCAAUCGU CGGACUGUCAAUUGCUAAAGCGCGGAGCAUCCCGCG----- 100
MBFV-NC_001563.2 GGCC--GUAUAAAAC GGGCUGUCAAUUGCUAAAACGCGGUAUGCCCGCG----- 100
MBFV-NC_009942.1 GGCC--GGCAAGAGC GGGCUGUCAAUUGCUAAAACGCGGAAUGCCCGCG----- 100
MBFV-NC_006551.1 GGCC--GGAAGAAAC GGGGCUCAAUUGCUGAAACGCGGCAUACCCCGCG----- 100
MBFV-NC_000943.1 GACC--GGGAAGCCC GGGUCGUCAAUUGCUAAAACGCGGCAUACCCCGCG----- 100
MBFV-NC_007580.2 AACC--GGUAGAAAC GGGUUGUCAAUUGCUAAAACGCGGCGUAUCCCGCG----- 100
MBFV-NC_012534.1 AACC--GGGGCAACC GGGUUGUCAAUUGCUAAAGCGCGGUGCAUCC----- 100
MBFV-NC_015843.2 GACC--GGCUCAGGC GGGUUGUCAAUUGCUAAAGCGCGGAACGUCC----- 100
MBFV-NC_034151.1 GACC--GGAAAGAAC GGGGCGUUAUUGCUGAAGCGCAUACCCGCGCUA----- 100
MBFV-NC_009028.2 AGUC--GCUGCAAAG GGCACUGUCAAUUGCUAAAACGCCUGGCUAGCGUGU----- 100
MBFV-NC_040776.1 GACC--GCCGGAAGG GGGUUGUCAAUUGCUGAAACGCCCGAGCCGCGUU----- 100
MBFV-NC_009026.2 GACC--GGAGGAAC CGGGCUGUCAAUUGCUAAAGCGUACGGCGGCAACG----- 100
MBFV-NC_001437.1 GGCC--GGUAAAAAC GGGCUAUCAAUUGCUGAAACGCGGCCUACCCCGCG----- 100
0.....70.....80.....90.....100.....110.....1



MBFV-NC_012735.1 NNNNNNNCCGAGCACACAUAGC-GGACCAUAUUGACGCCAGGGA--AAGACC-GGAGACA 156
MBFV-NC_008719.1 NNNNNNNCCGAGCAC-UAUAGC-GGACCAUAUUGACGCCUGGGA--AAGACC-GGAGACA 155
MBFV-NC_002031.1 NNNNNNN-AGGGAACAAUAGUGGGACCAUAUUGACGCCAGGGA--AAGACC-GGAGUGG 156
MBFV-NC_002640.1 NNNNNNNCCCCC-AACACAAAAACAGCAUAUUGACG-CUGGGA--AAGACCAG-AGAUC 155
MBFV-NC_001474.2 NNNNNNNCCCCCG-AAACAAAAAACAGCAUAUUGACG-CUGGGA--AAGACCAG-AGAUC 155
MBFV-NC_001477.1 NNNNNNNCCCCGCA-CAACAACAAACAGCAUAUUGACG-CUGGGA--GAGACCAG-AGAUC 155
MBFV-NC_001475.2 NNNNNNNCCCCCG-CAAAUAAAAACAGCAUAUUGACG-CUGGGA--GAGACCAG-AGAUC 155
MBFV-NC_012533.1 NNNNNNNNAUAAC--CAACAUAACACAGCAUAUUGACACCCUGGGA--AAGACCGG-AGACU 155
MBFV-NC_012532.1 NNNNNNNCCCCGAAACGCAAAACAGCAUAUUGACG--UGGGA--AAGACCAG-AGACU 155
MBFV-NC_035889.1 NNNNNNN-CCCGGAAACGCAAAACAGCAUAUUGACG-CUGGGA--AAGACCAG-AGACU 155
MBFV-NC_009029.2 NNNNNNNNAGCGCA-AA-CACAAACAGCAUAUUGACACCCUGGGA--AAGACUAGGGGAUU 156
MBFV-NC_032088.1 NNNNNNNNUACCGC-AA-AACAAACAGCAUAUUGACACCCUGGGA--UAGACUAGGAGAU 156
MBFV-NC_001563.2 NNNNNNNNAACAC-CA-AACAAACAGCAUAUUGACACCCUGGGA--UAGACUAGGGGAUC 156
MBFV-NC_009942.1 NNNNNNNNAACACC-AC-AACAAACAGCAUAUUGACACCCUGGGA--UAGACUAGGAGAU 156
MBFV-NC_006551.1 NNNNNNNNUAAGCA-U-AAAAAACAGCAUAUUGACACCCUGGGAUUAGACUAGGAGAU 158
MBFV-NC_000943.1 NNNNNNNNAAGAGC-AU-CAACAACAGCAUAUUGACACCCUGGAAA-AGACUAGGAGAU 157
MBFV-NC_007580.2 NNNNNNNCCGUUA-ACGCAAAACACAGCAUAUUGACACCCUGGAA--AGAC-AGGAGAU 155
MBFV-NC_012534.1 NNNNNNNNAACACC-AA-AACAAACAGCAUAUUGACACCCUGGGA--GAGACUAGGAGACC 156
MBFV-NC_015843.2 NNNNNNNNGAACAC-CA-CAAGAAACAGCAUAUUGACACCCUGGGA--UAGACUAGGAGACC 156
MBFV-NC_034151.1 NNNNNNNNGAA-CG-CAAAUAAAAACAGCAUAUUGACACCCUGGGA--UAGACUGGAGACC 156
MBFV-NC_009028.2 NNNNNNNCAAGCG-CGAA-ACAAACAGCAUAUUGACGCCUGGGA--AAGACCGGGAGAU 156
MBFV-NC_040776.1 NNNNNNN-AAGCG-CAAAGACAAACAGCAUAUUGACACCCUGGGA--AAGACCGGGAGACC 156
MBFV-NC_009026.2 NNNNNNN-ACGCA-CCAAAAGAAACAGCAUAUUGACACCCUGGGA--UAGACCGGAGAAU 156
MBFV-NC_001437.1 NNNNNNN-----CUAUUGA---CACCUGGGAA-UAGACUGGAGAU 139
20.....130.....140.....150.....160.....170.....1



MBFV-NC_012735.1 CUCCUUGAU-----UC- 167
MBFV-NC_008719.1 CUCCUUGAU-----UCU 167
MBFV-NC_002031.1 UUCUCUGCU-----U-U 167
MBFV-NC_002640.1 CUGCUGUCU-----CUG 167
MBFV-NC_001474.2 CUGCUGUCU-----CCU 167
MBFV-NC_001477.1 CUGCUGUCU-----CUA 167
MBFV-NC_001475.2 CUGCUGUCU-----CCU 167
MBFV-NC_012533.1 CUGUUGGCU-----UUC 167
MBFV-NC_012532.1 CCAUGAGUU-----UCC 167
MBFV-NC_035889.1 CCAUGAGUU-----UCC 167
MBFV-NC_009029.2 UGCUGC-UC-----UGG 167
MBFV-NC_032088.1 CGCUGC-UC-----UGG 167
MBFV-NC_001563.2 UUCUGC-UC-----UGC 167
MBFV-NC_009942.1 UUCUGC-UC-----UGC 167
MBFV-NC_006551.1 UUCUGC-UC-----U-- 167
MBFV-NC_000943.1 UUCUGC-UC-----UA- 167
MBFV-NC_007580.2 CCCUGCUUU-----UUC 167
MBFV-NC_012534.1 CUCUGU-CC-----UAA 167
MBFV-NC_015843.2 CUCUGU-CC-----UAA 167
MBFV-NC_034151.1 CUCUGC-UU-----AUU 167
MBFV-NC_009028.2 CUCUGC-UU-----UCC 167
MBFV-NC_040776.1 CUCUGC-UC-----UGC 167
MBFV-NC_009026.2 UGCGCCUC-----GC 167
MBFV-NC_001437.1 UUCUGCUCUAUCUCAACAUCAGCUACUA 167
80.....190.....200.....

