

MBFV-NC_002031.1 -----UAAUCGUUCGUUGAGC--GAUUAGCAGAGAACUGACCAG-AACAUGUC-- 45
MBFV-NC_012735.1 -----UUUCUACUG-AAAGGAGUAGAGAAAGGAGAUUCAUUC-CCAAUGGCCA 47
MBFV-NC_008719.1 -----AUUUCUACUGAAAGGGUAGAGAA--AAGGAGUUUUGCUU-CUCAUGGCCAA 47
MBFV-NC_012532.1 AA-----CAGGUUUA-----AUUUGGAUUUGGAAACGAGAGUUUCUGG--UCAUGAAAA 47
MBFV-NC_035889.1 AC-----AGGUUUUA-----UUUUGGAUUUGGAAACGAGAGUUUCUGG--UCAUGAAAA 47
MBFV-NC_012533.1 AA-----CAGUUUUC-----GUGUUGAGAAAGAAAACAGAUUCUUCGG--AAAUGAAAA 47
MBFV-NC_001477.1 AC-----GUAGUUCUAACAGUUU-UUU-AUUAGAGAGCAG-AUCUCUG-----AUGAACA 47
MBFV-NC_001475.2 AC-----GUAGUGCUGACAGUUU-UUU-AUUAGAGAGCAG-AUCUCUG-----AUGAACA 47
MBFV-NC_001474.2 -C-----GUAGUUCUAACAGUUU-UUUAAUUAGAGAGCAG-AUCUCUG-----AUGAAUA 47
MBFV-NC_002640.1 -----UCUAAACAGUUUGUUUGAAUAGAGAGCAG-AUCUCUGGAAAAAUG---A 44
MBFV-NC_012534.1 CC----GUA AACACAGUUUGAAC-GUUUUUUGGAGA-GAGAU---UAU----UAUGUUUA 47
MBFV-NC_015843.2 AC-----GUA AACACAGUUUGAAC-GUUUUUUGGUAU-GAGAC-----AAC---UAUGUCUA 47
MBFV-NC_001563.2 A-----UUAACACAGUGCGGAGCUGUUUCUU-GGCACGAAGAUC-UC-----GAUGUCUA 47
MBFV-NC_009942.1 A-----UUAACACAGUGCGGAGCUGUUUCUU-AGCACGAAGAUC-UC-----GAUGUCUA 47
MBFV-NC_009028.2 U-----UUAACACAGUCUGAAUAGUUUUUU-AGCA-AGGGAUU-UCC-----CAUGUCUA 47
MBFV-NC_040776.1 U-----UUAACACAGUCUGAAUAGUUUUUU-AGCA-GAGGUAC-UAC-----CAUGUCUA 47
MBFV-NC_007580.2 -----UAACUUGACUGCGAACAGUUUUUU-AGCA-GGGAAUUACCC-----AAUGUCUA 47
MBFV-NC_034151.1 -----UAACACAGUGUGAAUAGUUUUUUGAAC-A-GAGGUGAAAAAC---CAUGUCUA 47
MBFV-NC_000943.1 -----UAACGCGGUUGAACAGUUUUUUUGGAGCUUUUGAUU-UCA-----AAUGUCUA 47
MBFV-NC_006551.1 -----UUAACACAGUGCGGAGCUGUUUUUGAGC-GUUGAUU-UUC-----AAUGUCUA 47
MBFV-NC_001437.1 -----UUAGUGCAGUUUAAACAGUUUUUUAGAACGGAAGAUU-ACC-----AUGACUA 47
MBFV-NC_009026.2 -----AGAAAAGUUUUCGAGGAAAGACGAGAA-GCGAAUUCUCUG---AAUGGCUA 47
MBFV-NC_032088.1 UC----UAUAACUCAGUGUGAACAGUUUUUUUGAUCAGUGGAU-----AAUGACUA 47
MBFV-NC_009029.2 UGAUUACAUAACACAGUGUGAACAGUUUUUUUGAACAG-----C-----AAUGACCA 47
MBFV-NC_018705.3 CC----GUA AACACAGUUUGAACGUUUUUUGGAGAGAGACUACU-----AUGUCA 47
.....10.....20.....30.....40.....50.....6



MBFV-NC_002031.1 -----UGGUC--GUA AAGCUCAGGGAAAAACCUGGGCGC-CAUAUUGG-ACGACGAGGAG 98
MBFV-NC_012735.1 CAAAGGGGAUGAAUAAGUCUCGGGCUCGAUCCCGAGGCGC-CAUAUUGGU--AGCGGCUAG 105
MBFV-NC_008719.1 CAAGAGGAGCAAGCAAGUCUCGGGUCACGACC CGGGGCGC-CAUAUUGGU--GACGGCCAA 105
MBFV-NC_012532.1 --ACCCCAAAGAGAAAUCC--GGAGGA-UCGGAUUG-CAUAUUGCUAAAACGC---G 98
MBFV-NC_035889.1 A-CCCCAAAAAGAAAUCC--GGAGGAUUCGGAUUG-CAUAUUGCUAAAACGC---G 98
MBFV-NC_012533.1 ---CCCAAAAAGG-----GCCGCAUCGCGGCCUAU-CAUAUUGCUGAAGCGCUUUG 95
MBFV-NC_001477.1 --A--CCAACGGA AAAAGAC--G--GGUCGACGUCUUU-CAUAUUGCUGAAACGCGCGA 98
MBFV-NC_001475.2 --A--CCAACGGAAGAAGAC--G--GGAAAAACGUCUAU-CAUAUUGCUGAAACGCGUGA 98
MBFV-NC_001474.2 --A--CCAACGGA AAAAGGC--G--AAAAACACGCCUUU-CAUAUUGCUGAAACGCGGAGA 98
MBFV-NC_002640.1 --A--CCAACGGA AAAAAGGU--G--GUUAGACACCCUUU-CAUAUUGCUGAAACGCGGAGA 95
MBFV-NC_012534.1 ACAAAAAACCCAGGAAAACCC--GGGGCAACC CGGUUG-CAUAUUGCUAAAAGCGGGUG 104
MBFV-NC_015843.2 ACAAAAAACCGGAAAGACCC--GGCUCAGGC CGGUUG-CAUAUUGCUAAAAGCGCGGAA 104
MBFV-NC_001563.2 ---AGAAACCAGGAGGGGCC--GGUAAAAAC CGGCUG-CAUAUUGCUAAAACGCGGUA 101
MBFV-NC_009942.1 ---AGAAACCAGGAGGGGCC--GGCAAGAGC CGGCUG-CAUAUUGCUAAAACGCGGAA 101
MBFV-NC_009028.2 ---AAAAACCAGGAAGUCC--CGUCGAAAG CGGACUG-CAUAUUGCUAAAACGCCUGG 101
MBFV-NC_040776.1 ---AAAAACCAGGAGGACCC--GCCGGAAGG CGGUUG-CAUAUUGCUGAAACGCCCAG 101
MBFV-NC_007580.2 ---AAAAACCAGGAAAACCC--GGUAGAAAC CGGUUG-CAUAUUGCUAAAACGCGGCG 101
MBFV-NC_034151.1 ---AAAAACCAGGAGGACCC--GGAAAGAAC CGGUCG-CAUAUUGCUGAAGCGCACAU 101
MBFV-NC_000943.1 ---AAAAACCAGGAGGACCC--GGGAAGCCC CGGUUG-CAUAUUGCUAAAACGCGGCA 101
MBFV-NC_006551.1 ---AGAAACCAGGAGGGGCC--GGAAGAAAC CGGGCCA-CAUAUUGCUGAAACGCGGCA 101
MBFV-NC_001437.1 ---AAAAACCAGGAGGGGCC--GGUAAAAAC CGGGCUA-CAUAUUGCUGAAACGCGGCC 101
MBFV-NC_009026.2 ---AAAAACCAGGAAGACCC--GGAGGAAAC CGGUCG-CAUAUUGCUAAAAGCGUACGG 101
MBFV-NC_032088.1 ---AAAAACCAGGAAAGUCC--GGCAAUCGU CGGACUG-CAUAUUGCUAAAAGCGCGGAG 101
MBFV-NC_009029.2 ---AAAAACCAGGAAGGCC--GGUAGAAAU CGGGCCG-CAUAUUGCUAAAAGCGCGGUG 101
MBFV-NC_018705.3 ACAAAAAACCGGAAGACCC--GGGGCAACC CGGUUG-CAUAUUGCUAAAAGCGCGGCG 104
0.....70.....80.....90.....100.....110.....1



MBFV-NC_002031.1 UUCGCUCCUUGU--NNNNNNNN-----GAGACCCUCCAGGGAACAAUAGUG 142
MBFV-NC_012735.1 AGU-----GA--NNNNNNNN-----C-CCAUUCUCCUCCGAGCACACAUAGC- 143
MBFV-NC_008719.1 GGC-----CA--NNNNNNNN-----GAGGAGACCCUCCGAGCAC-UAUAGC- 143
MBFV-NC_012532.1 GAG-UAGCCC--GUGNNNNNNNN-----GGUUAGAGGAGACCCCCCGGAAAACGCAAA 147
MBFV-NC_035889.1 GAG-UAGCCC--GUGNNNNNNNN-----GUUAGAGGAGACCCCCCGGAAAACGCAAA 146
MBFV-NC_012533.1 GAUCUAGCGUGGCCNNNNNNNN-----GAGACCCCCCGCGCCCAUACCAACAUA 147
MBFV-NC_001477.1 GAAACCCGCGUGU--NNNNNNNN--UAGAGGUUAGAGGAGACCCCCCGCAACACAA 151
MBFV-NC_001475.2 GAAACCGUGUGU--NNNNNNNN--ACUAGAGGUUAGAGGAGACCCCCCGCA-AAUAA-AA 151
MBFV-NC_001474.2 GAAACCCGCGUGU--NNNNNNNN--CUAGAGGUUAGAGGAGACCCCCCGCA-AACAAAA 151
MBFV-NC_002640.1 GAAACCCGCUAUCANNNNNNN--ACUAGAGGUUAGAGGAGACCCCCCGCA-CACAA-AA 151
MBFV-NC_012534.1 CAUCCC-----NNNNNNNN-----GGAGACCCCUUGCGAGUUAACACCAAA-ACAAA 149
MBFV-NC_015843.2 CGUCCC-----NNNNNNNN-----AGGAGACCCCUUGCGAGUUAACACCAAA-A-GAA 149
MBFV-NC_001563.2 UGCCCCGCG-----NNNNNNNN-----GAGGAGACCCCGGCCA-AAAACACCA-A-AAGAA 149
MBFV-NC_009942.1 UGCCCCGCG-----NNNNNNNN-----GGAGACCCCGUGCCACAAAACACCAAA-ACAAA 149
MBFV-NC_009028.2 CUAGCGUGU-----NNNNNNNN-----GUGGAGACCCCUAGGAC-CAAGCGCGAA--ACAA 149
MBFV-NC_040776.1 CCAGCGUUU-----NNNNNNNN--A-GGAGACCCCUUGGCACACAAAGCGCAA-GACAA 150
MBFV-NC_007580.2 UAUCCCGCG-----NNNNNNNNUAGAGGAGACCCCUUGCCGUUAA--CGCAAA---CA 149
MBFV-NC_034151.1 CCCGCGCUA-----NNNNNNNN-----AGACCCCUUGGCAGUGAA-CGCAAA-UAAAA 146
MBFV-NC_000943.1 UACCCCGCG-----NNNNNNNN-----GACCCACUCUCAAAAGCAUC-AA---ACA 143
MBFV-NC_006551.1 UACCCCGCG-----NNNNNNNN-----ACCCGCA-UCAUAAGCAUCAAA---AAA 142
MBFV-NC_001437.1 UACCCCGCG-----NNNNNNNN-----UAGAGGAGACCCCGCAUUUGC-AU---CAA 143
MBFV-NC_009026.2 CGGCCAACG-----NNNNNNNN-----CCCCUUGGC AAAACAGUUAACGCACCAA-AAGAA 150
MBFV-NC_032088.1 CAUCCCGCG-----NNNNNNNNAGAGGUUAGAGGAGACCCCAUAACCGCAA-ACAAA 154
MBFV-NC_009029.2 CGUCCCGCG-----NNNNNNNNAGAGG--AGACCCUCCCAAAAGACGCAACACAAA 153
MBFV-NC_018705.3 CAUCCC-----NNNNNNNN-----CCCCGCGGAAUCAAAGCAAGGCCCAACCUGGC 150
20.....130.....140.....150.....160.....170.....1



MBFV-NC_002031.1 ..)))))..))..))..))..))..))..))..))..))..))..))..))..))..))..)).. 199
MBFV-NC_012735.1 GGACCAUAUUGACGCCAGGGA--AAGACGGAGUGGUUCUCUGCUUUUC-CUCCAGAGGU 201
MBFV-NC_008719.1 GGACCAUAUUGACGCCAGGGA--AAGACCGGAGACACUCCUUGAUUUCACCUUUCUCGC 201
MBFV-NC_012532.1 GGACCAUAUUGACGCCUGGGA--AAGACCGGAGACACUCCUUGAUUUCACCUUUCUCAC 201
MBFV-NC_035889.1 ACAGCAUAUUGACG-UGGGA--AAGAC-CAGAGACUCCAUAGAUUCCACCACGCGUGC 202
MBFV-NC_012533.1 ACAGCAUAUUGACG-CUGGGA--AAGAC-CAGAGACUCCAUAGAUUCCACCACGCGUGC 202
MBFV-NC_001477.1 ACAGCAUAUUGACACCUGGGA--AAGAC-CGGAGACUCUGUUGGCUUUCCCCACACCAGC 204
MBFV-NC_001475.2 ACAGCAUAUUGACG-CUGGGA--GAGAC-CAGAGAUCCUGCU-GUCUCUACAGCAUCA-- 204
MBFV-NC_001474.2 ACAGCAUAUUGACG-CUGGGA--GAGAC-CAGAGAUCCUGCU-GUCUCCUCAGCAUCA-- 204
MBFV-NC_002640.1 ACAGCAUAUUGACG-CUGGGA--AAGAC-CAGAGAUCCUGCU-GUCUCUGCAACAUCA-- 204
MBFV-NC_012534.1 ACAGCAUAUUGACACCUGGGA--GAGACUAGGAGACCCUCUGUCC--UAACAACACCAGC 205
MBFV-NC_015843.2 ACAGCAUAUUGACACCUGGGA--UAGACUAGGAGACCCUCUGUCC--UAACAACACCAGC 205
MBFV-NC_001563.2 ACAGCAUAUUGACACCUGGGA--UAGACUAGGGGAUCUUCUGCU--CUGCACAACCAGC 204
MBFV-NC_009942.1 ACAGCAUAUUGACACCUGGGA--UAGACUAGGAGAUUUCUGCU--CUGCACAACCAGC 204
MBFV-NC_009028.2 ACAGCAUAUUGACGCCUGGGA--AAGACCGGAGAUCCUGCU--UUUCAACACCAGC 204
MBFV-NC_040776.1 ACAGCAUAUUGACACCUGGGA--AAGACCGGAGACCCUCUGCU--CUGCACAACCAGC 205
MBFV-NC_007580.2 ACAGCAUAUUGACACCUGG-A--AAGAC-AGGAGAUCCUUGCUU--UUUCAACACCAGC 203
MBFV-NC_034151.1 ACAGCAUAUUGACACCUGGGA--UAGACUGGGAGACCCUCUGCUU-AUUUCAACACCAGC 203
MBFV-NC_000943.1 ACAGCAUAUUGACACCUGGGA--AAGACUAGGAGAUUUCUGCUUUAUCCAACAUCAGU 202
MBFV-NC_006551.1 ACAGCAUAUUGACACCUGGGA--AAGACUAGGAGAUUUCUGCUUUAUCCAACAUCAGU 202
MBFV-NC_001437.1 ACAGCAUAUUGACACCUGGGA--AAGACUAGGAGAUUUCUGCUUUAUCCAACAUCAGU 202
MBFV-NC_009026.2 ACAGCAUAUUGACACCUGGGA--UAGACCGGAGAUUUGCGUCC--UCGCAACACCUC 205
MBFV-NC_032088.1 ACAGCAUAUUGACACCUGGGA--UAGACUAGGAGAUCCGUGCU--CUGGAACCCAGU 209
MBFV-NC_009029.2 ACAGCAUAUUGACACCUGGGA--AAGACUAGGGGAUUGCGUCC--CUGGACUCCGGC 208
MBFV-NC_018705.3 AAAGC--GUA AACCAAGGG--AAGGACUAGAGGUUAGAGGAGACCCUUGCGAGUGAA 205
80.....190.....200.....210.....220.....230.....2



MBFV-NC_002031.1 CUGUGAGCACAGUUUGCUAAGAAUAAGCAGACCUUUGGAUGACAAACACAAAACCACU 258
MBFV-NC_012735.1 CCUAAAGCACAGAUUGCUU--GAAUGCAGGGCGGGGAAGUUGGGAACCAACUAGUGUCU 258
MBFV-NC_008719.1 CCUUAAGCACAGAUUGCUU--GAAUGCAGGGUGGGGAAGUUGGGAACCAACUAGUGUCU 258
MBFV-NC_012532.1 CGCCAGGCACAGAUUGCC--GAACUUCGGCGCGCGUGUGGGGAAUCCAUGGUUUCU 258
MBFV-NC_035889.1 CGCCAGGCACAGAUUGCC--GAUAGCGCGCGCGUGUGGGGAAUCCAUGGGUCUU 258
MBFV-NC_012533.1 CCCCUGGCACAGAGCGCC--AGAUGCGGGUGUGGUGGAGCAACCAACAGGACU 258
MBFV-NC_001477.1 UUCUAGGCACAGAACGCC--AAAAAUG--GAUUGGUGUGUUGAAUCCAACAGGUUCU 258
MBFV-NC_001475.2 UUCUAGGCACAGAACGCC--AGAAAAUG--GAUUGGUGUGUUGAAUCCAACAGGUUCU 258
MBFV-NC_001474.2 UUCUAGGCACAGAACGCC--AGAAAAUG--GAUUGGUGUGUUGAAUCCAACAGGUUCU 258
MBFV-NC_002640.1 AUCCAGGCACAGAGCGCC--GCAAGAU--GAUUGGUGUGUUGAAUCCAACAGGUUCU 258
MBFV-NC_012534.1 CAUCCGGCACAGAGCGCC--GUAAGU-GUGGUGGUGGUGGUGAAGAACACAGU--UCU 258
MBFV-NC_015843.2 CACUUGGCACAGAUUGCC--GAAAGU-GUGGUGGUGGUGGUGAAGAACACAGGA--UCU 258
MBFV-NC_001563.2 CACACGGCACAGUGCGCC--GACAAGUGGUGGUGGUGGUGGUGGAGAACACAGGA--UCU 258
MBFV-NC_009942.1 CACACGGCACAGUGCGCC--GACAAGUGGUGGUGGUGGUGGUGGAGAACACAGGA--UCU 258
MBFV-NC_009028.2 CACUAGGCACAGAUUGCC--GCAAGUAGUGGUGGUGGUGGUGA--AAAACACAUGGA--UCU 258
MBFV-NC_040776.1 CACUAGGCACAGAUUGCC--GAAAACUGUGGUGGUGGUGGUGGUGGAGAACACAGGA--UCU 258
MBFV-NC_007580.2 CACAAGGCACAGAGCGCC--GUAAGUUGGUGGUGGUGGUGGUGGAGAAAAACACAGGA--UCU 258
MBFV-NC_034151.1 CACUCGGCACAGAACGCC--GUAAGU-GUGGUGGUGGUGGUGGUGGAGAAAAACACAGAGUCU 258
MBFV-NC_000943.1 CACAAGGCACCGAGCGCC--GAACACUGUGACUGAUGGGGGAGAACACAGGAUCU 258
MBFV-NC_006551.1 CACAAGGCACAGAGCGCC--GAAAAUUGUGGUGGUGGUGGUGGAGAACACAGGAUCU 258
MBFV-NC_001437.1 UACUAGGCACAGAGCGCC--GAAGUAGUAGCUGGUGGUGGUGGAGGAAGAACACAGGAUCU 258
MBFV-NC_009026.2 CACCCGGCACAGAACGCC--GACA-UGGUGGAGGGGUGCUAAGACACCA--GAUUCU 258
MBFV-NC_032088.1 U-CUAGGCACAGAACGCC--G-UAA--UGAACUGGGUGGCC--AAAACACCGAAUCU 258
MBFV-NC_009029.2 U-CUGGCACAGAACGCC--GUUGA--GAGCGGGAGGCC--AAAACACCGAAUCU 258
MBFV-NC_018705.3 CACCACACAAAAACAGC--AUUUGACACCUUGGGAAGACUAGGAGACCCUCUGU 258
40.....250.....260.....270.....280.....290.....

