

MBFV-NC_009028.2 U---U---UAACACAGUCUGAAUAGUUUUUU-AGCAAGGGA-UUUCCEAUGUCU---AAA 49
MBFV-NC_040776.1 U---U---UAACACAGUCUGAAUAGUUUUUU-AGCAGAGGU-ACUACCAUGUCU---AAA 49
MBFV-NC_034151.1 -----UAACACAGUGUGAAUAGUUUUUUAACACAGAGGUGAAACCAUGUCU---AAA 49
MBFV-NC_001563.2 A--U---UAACACAGUGCGAGCUGUUUCUUGGCAC-GAAGAUCUC-GAUGUCU---AAG 49
MBFV-NC_009942.1 A--U---UAACACAGUGCGAGCUGUUUCUUAAGCAC-GAAGAUCUC-GAUGUCU---AAG 49
MBFV-NC_000943.1 -----UAACGCGUUUGAACAGUUUUUUUGGAGCUUUUGAUUUUCAAUGUCU---AAA 49
MBFV-NC_006551.1 ---U---UAACACAGUGCCGGCAGUUUCUUGAGC-GUUGAUUUUCAAUGUCU---AAG 49
MBFV-NC_001437.1 ---U---UAGUGCAGUUUAACAGUUUUUUAGAACGGAAGAUAAAC-AUGACU---AAA 49
MBFV-NC_007580.2 ---U---AACUUGACUGCGAACAGUUUUUUAGCAGGGAAU-UACCCAAUGUCU---AAA 49
MBFV-NC_012534.1 CCGU---AAACACAGUUUGAAC-GUUUUUUGGAGAGAGAUAAU---AUGUUUAACAAA 52
MBFV-NC_015843.2 ACGU---AAACACAGUUUGAAC-GUUUUUUGGAUAGAGACAACU---AUGUCUAACAAA 52
MBFV-NC_009029.2 UGAUUACAUAACACAGUGUGAACAAAGUUUUUUGAACAG---C---AAUGACC---AAA 49
MBFV-NC_032088.1 UC-----UAUAACUCAGUGUGAACAGUUUUUUUGAUCAGUGGAU---AAUGACU---AAA 49
MBFV-NC_009026.2 AG-----AAAAGUUUUCGAGGAAAGACGAGAAGCGAAUUCUCUG-AAUGGCU---AGA 49
MBFV-NC_012532.1 AACAGGUUU-----AAUUUGGAUUUGGAAACGAGAG-UUUCUGGUCUAUGAAAAACCCC 52
MBFV-NC_035889.1 ACAGGUUUU-----AUUUUGGAUUUGGAAACGAGAG-UUUCUGGUCUAUGAAAAA-CCC 51
MBFV-NC_012533.1 AACAGUUUU-----CGUGUUGAGAAAGAAAAACAGAU-UCUUCGGAAAUGAAAAA-CCC 50
MBFV-NC_001474.2 -CGUAGUUCUA-ACAGUUU-UUUAAUUAGAGAGCAGAUCUCUG-----AUGAAUAA--CC 50
MBFV-NC_001477.1 ACGUAGUUCUA-ACAGUUU-UUU-AUUAGAGAGCAGAUCUCUG-----AUGAACAA--CC 50
MBFV-NC_001475.2 ACGUAGUGCUG-ACAGUUU-UUU-AUUAGAGAGCAGAUCUCUG-----AUGAACAA--CC 50
MBFV-NC_002640.1 -----UCUA-ACAGUUUGUUUGAAUAGAGAGCAGAUCUCUGGAAAAAUG---AA--CC 47
MBFV-NC_002031.1 UAAUCGUUCGUUGAGCGAUUAGCAG-----AGAACUGAC-CAGAACAUUGC----- 45
MBFV-NC_012735.1 -UUUCUACUGAAAGGAGUAGAAGAA-----AGGAGAUUCAUUCCCAUGGCAACAAG 52
MBFV-NC_008719.1 AUUUCUACUGAAAGG-GUAGAGAAA-----AGGAGUUUUGCUUCUCAUGGCAACAAGA 52
MBFV-NC_018705.3 CCGUA---AACACAGUUUGAACGUUUUUUGGAGAGAGACUACU---AUGUCAACAAA 52
.....10.....20.....30.....40.....50.....6



MBFV-NC_009028.2 AAACCAGGAAAGUCC---GCUGCAAAGCGGACUGUCAAUUUGCUAAAACGCCUGGCUAGC 106
MBFV-NC_040776.1 AAACCAGGAGGACCC---GCCGGAAGGCGGGUUGUCAAUUUGCUAAAACGCCCAGCCAGC 106
MBFV-NC_034151.1 AAACCAGGAGGACCC---GGAAAGAACCCTGGGUCGUUAAUUGCUAAGCGCACAUCCCGC 106
MBFV-NC_001563.2 AAACCAGGAGGGCCC---GGUAAAAACCTGGGUCGUCAAUUUGCUAAAACCGCGUAUGCCC 106
MBFV-NC_009942.1 AAACCAGGAGGGCCC---GGCAAGAGCCTGGGUCGUCAAUUUGCUAAAACCGGGAUAGCCC 106
MBFV-NC_000943.1 AAACCAGGAGGACCC---GGGAAGCCCCTGGGUCGUCAAUUUGCUAAAACCGCGCAUACCC 106
MBFV-NC_006551.1 AAACCAGGAGGGCCC---GGAAGAAACCTGGGCCAUCAAUUUGCUAAAACCGCGGAUACCC 106
MBFV-NC_001437.1 AAACCAGGAGGGCCC---GGUAAAAACCTGGGCUAUAUUGCUAAAACCGCGCCUACCC 106
MBFV-NC_007580.2 AAACCAGGAAAACCC---GGUAGAAAACCTGGGUUGUCAAUUUGCUAAAACCGCGCGUAUCC 106
MBFV-NC_012534.1 AAACCAGGAAAACCC---GGGGCAACCTGGGUUGUCAAUUUGCUAAAAGCGCGGUGCAUCC 109
MBFV-NC_015843.2 AAACCAGGAAGACCC---GGCUCAGGCTGGGUUGUCAAUUUGCUAAAAGCGCGGAACGUC 109
MBFV-NC_009029.2 AAACCAGGAAGGCC---GGUAGAAAACCTGGGCCGUCAAUUUGCUAAAAGCGCGGUGCGUCC 106
MBFV-NC_032088.1 AAACCAGGAAAGUCC---GGCAAUCGUCGGACUGUCAAUUUGCUAAAAGCGCGGAGCAUCC 106
MBFV-NC_009026.2 AAACCAGGAAGACCC---GGAGGAAAACCTGGGUCGUCAAUUUGCUAAAAGCGUACGGCGGCC 106
MBFV-NC_012532.1 AAAGAAGAAAU---CC---GGAGGA-UCCGGAUUGUCAAUUUGCUAAAACCGGAGUAGCC 106
MBFV-NC_035889.1 AAAAAAGAAAU---CC---GGAGGAUUCGGAUUGUCAAUUUGCUAAAACCGCGGAGUAGCC 106
MBFV-NC_012533.1 AAAAAAGG-----GCCGCAUCGCGGCCUUAUAAUUGCUAAGCGCUUUGGAUCU 100
MBFV-NC_001474.2 AACGGAAAAAG---GC---G---AAAAACACGCCUUUCAAUUUGCUAAAACCGGAGAGAAC 103
MBFV-NC_001477.1 AACGGAAAAAG---AC---G---GGUCGACCGUCUUUCAAUUUGCUAAAACCGCGGAGAAC 103
MBFV-NC_001475.2 AACGGAAAGAAG---AC---G---GGAAAACCGUCUAUAAUUGCUAAAACCGGUGAGAAC 103
MBFV-NC_002640.1 AACGAAAAAAG---GU---G---GUUAGACCACCUUUCAAUUUGCUAAAACCGGAGAGAAC 100
MBFV-NC_002031.1 --UGGUCGUAAGGUCAGGAAAAACCCUGGGCGUAAUUGGU-A--CGCAGGAGUU 100
MBFV-NC_012735.1 GGGAUGAUAUAGUCUCGGGUCGAUCCCGAGGCGUCAAUUUGGUAG---CGGCUAGA---- 106
MBFV-NC_008719.1 GGAGCAAGCAAGUCUCGGGUCACGACCCGGGGCGUCAAUUUGGUGA---CGGCCAAG---- 106
MBFV-NC_018705.3 AAACCAGGAAGACCC---GGGGCAACCTGGGUUGUCAAUUUGCUAAAAGCGCGGCGCAUCC 109
0.....70.....80.....90.....100.....110.....1



MBFV-NC_009028.2 GUGU-----NNNNNNNN---GUGGAGACCCUCAGCAC-CAAGCGCGAA--ACAAACAGC 154
MBFV-NC_040776.1 GUUU-----NNNNNNNN---A-GGAGACCCCUUGGCACAAAGCGCAA-GACAAACAGC 155
MBFV-NC_034151.1 GCUA-----NNNNNNNN-----AGACCCUUGGCAGUGAA-CGCAAA-UAAAAACAGC 151
MBFV-NC_001563.2 CGCG-----NNNNNNNN---GAGGAGACCCCGUGCCA-AAAACACCA-A-AAGAAACAGC 154
MBFV-NC_009942.1 CGCG-----NNNNNNNN---GGAGACCCCGUGCCACAAAACACCACA-ACAAAACAGC 154
MBFV-NC_000943.1 CGCG-----NNNNNNNN-----GACCCACUCUCAAAAGCAUC-AA-AC--AACAGC 148
MBFV-NC_006551.1 CGCG-----NNNNNNNN-----ACCCGCA-UCAUAAGCAUCAAA-AA--AACAGC 147
MBFV-NC_001437.1 CGCG-----NNNNNNNN-----UAGAGGAGACCCCGCAUUGGAUC-A--AACAGC 148
MBFV-NC_007580.2 CGCG-----NNNNNNNNUAGAGGAGACCCCUUGCCGUUAA-----GC-AAACAACAGC 154
MBFV-NC_012534.1 C-----NNNNNNNN---GGAGACCCCUUGCGAGUUAACACCAAA-ACAAAACAGC 154
MBFV-NC_015843.2 C-----NNNNNNNN---AGGAGACCCCUUGCGAGUGAACACCACA-A-GAAACAGC 154
MBFV-NC_009029.2 CGCG-----NNNNNNNNAGAGG---AGACCCUCCCAAAAGAGCGCAAAACACAAAACAGC 158
MBFV-NC_032088.1 CGCG-----NNNNNNNNAGAGGUUAGAGGAGACCCCAUAAUAGCGCAA-ACAAAACAGC 159
MBFV-NC_009026.2 AACG-----NNNNNNNNCCCCUUG-----GCAAAACAGUUAACGCACCAAAAGAAACAGC 155
MBFV-NC_012532.1 CGUG-----NNNNNNNN-----GGUUAGAGGAGACCCCCCGGAAAACGCAAAACAGC 152
MBFV-NC_035889.1 CGUG-----NNNNNNNN-----GUUAGAGGAGACCCCCCGGAAAACGCAAAACAGC 151
MBFV-NC_012533.1 AGCGCUGGCCNNNNNNNN-----GAGACCCCCCGGCCCAUAAACCAUAAACAGC 152
MBFV-NC_001474.2 CGCGUGU---NNNNNNNN---CUAGAGGUUAGAGGAGACCCCCC-CGAAACAAAAACAGC 156
MBFV-NC_001477.1 CGCGUGU---NNNNNNNN---UAGAGGUUAGAGGAGACCCCCCGCACAACAACAAACAGC 156
MBFV-NC_001475.2 CGUGUGU---NNNNNNNN---ACUAGAGGUUAGAGGAGACCCCCC-CAAUAAAAACAGC 156
MBFV-NC_002640.1 CGCGUAUCAANNNNNNNN---ACUAGAGGUUAGAGGAGACCCCCCCAACAA--CAAAAACAGC 156
MBFV-NC_002031.1 CGCUCCUUGUNNNNNNNNN-----GAGACCCUCCAGGGAACAAAUUAGUGGGACC 147
MBFV-NC_012735.1 -----GUGANNNNNNNN-----C-CCAUCCCCCAGGACACACAUGC-GGACC 148
MBFV-NC_008719.1 -----GCCANNNNNNNN-----GAGGAGACCCUCCCGAGCAG-UAUAGC-GGACC 148
MBFV-NC_018705.3 C-----NNNNNNNN-----CCCCGCGGAAAUCAAAGCAAGGCCCAACCUGGC 150
20.....130.....140.....150.....160.....170.....1



MBFV-NC_009028.2 AUA-UUGACGCUGGGAA--AGACGGGAGAUCU-CUGCUC--UCCAACACAGCCAC 207
MBFV-NC_040776.1 AUA-UUGACACUGGGAA--AGACGGGAGACCU-CUGCUC--UGCAACACAGCCAC 208
MBFV-NC_034151.1 AUA-UUGACACUGGGAU--AGACUGGAGACCU-CUGCUGA-UUUAACACACAGCCAC 206
MBFV-NC_001563.2 AUA-UUGACACUGGGA-UAGACUAGGGAUCUU-CUGCUCU--GCACAACAGCCAC 207
MBFV-NC_009942.1 AUA-UUGACACUGGGA--UAGACUAGGAGAUUU-CUGCUCU--GCACAACAGCCAC 207
MBFV-NC_000943.1 AUA-UUGACACUGGGAA-AAGACUAGGAGAUCUU-CUGCUCUAUUCACACAUAGUCAC 205
MBFV-NC_006551.1 AUA-UUGACACUGGGAAUAGACUAGGAGAUCUU-CUGCUCUAUUCACACAUACCCAC 205
MBFV-NC_001437.1 AUA-UUGACACUGGGAU-AGACUGGAGAUCUU-CUGCUCUAUUCACACAUAGCUCAC 205
MBFV-NC_007580.2 AUA-UUGACACUGGAAAGA---CAGGAGAUCU-CUGCUCU--UUCAACACAGCCAC 206
MBFV-NC_012534.1 AUA-UUGACACUGGGA--GAGACUAGGAGACCU-CUGUCCUA--CAACACAGCCAU 208
MBFV-NC_015843.2 AUA-UUGACACUGGGA-UAGACUAGGAGACCU-CUGUCCUA--CAACACAGCCAC 208
MBFV-NC_009029.2 AUA-UUGACACUGGGAA--AGACUAGGGAUUG-CUGCUC---UGGACUCCGGCUC 210
MBFV-NC_032088.1 AUA-UUGACACUGGGAU--AGACUAGGAGAUCUG-CUGCUC---UGGAACCCAGUUC 211
MBFV-NC_009026.2 AUA-UUGACACUGGGA-UAGACCGG-AGAAUU---UGCUGCCUCGCAACACCCUCCAC 208
MBFV-NC_012532.1 AUA-UUGACG--UGGGAA--AGACCAGAGACU-CCAUGAGUUUCCACCACGUGGCCGCC 206
MBFV-NC_035889.1 AUA-UUGACG-CUGGGAA--AGACCAGAGACU-CUAUGAGUUUCCACCACGUGGCCGCC 206
MBFV-NC_012533.1 AUA-UUGACACUGGGAA--AGACCGGAGACUCUGUUGGCUUUC-CCACACAGCCCCC 208
MBFV-NC_001474.2 AUA-UUGACG-CUGGGAA--AGACCAGAGA-UCUUGCUGUCUC--CUCAGCAUCAUUC 208
MBFV-NC_001477.1 AUA-UUGACG-CUGGGAG--AGACCAGAGA-UCUUGCUGUCUC--UACAGCAUCAUUC 208
MBFV-NC_001475.2 AUA-UUGACG-CUGGGAG--AGACCAGAGA-UCUUGCUGUCUC--CUCAGCAUCAUUC 208
MBFV-NC_002640.1 AUA-UUGACG-CUGGGAA--AGACCAGAGA-UCUUGCUGUCUC--UGCAACCAUCAUUC 208
MBFV-NC_002031.1 AUA-UUGACGCAGGGAA--AGACCGG-AGUGUUCUCUGCUUUUCCUCCAGAGGUCUG 203
MBFV-NC_012735.1 AUA-UUGACGCAGGGAA--AGACCGG-AGACAUCUCCUUGAUUUCUACCUUUCUGCCCU 204
MBFV-NC_008719.1 AUA-UUGACGCUGGGAA--AGACCGG-AGACAUCUCCUUGAUUUCUACCUUUCUACCCU 204
MBFV-NC_018705.3 AAAGCUGUAAACACAGGGAAGGACUAGGUUAGAGGAGACCCCUUGCGAG--UGAACAC 208
80.....190.....200.....210.....220.....230.....2



MBFV-NC_009028.2 ..((((.....))).....)))))))))))))))))).....)).....))))) 258
MBFV-NC_040776.1 UAGGCACAGAUCCGCGC--AAGUAUGGCGUGGUGUGAA--AAACACAUUGAUCU 258
MBFV-NC_034151.1 UAGGCACAGAUCCGCGA--AAUCUGUGGCGUGGUGUGCA--AAACACA-GGAUCU 258
MBFV-NC_001563.2 UCGGCACAGAACGCCGU--AAGU-GUGGCGUGGUGUGAAAAUAAACACA-GAGUCU 258
MBFV-NC_009942.1 ACGGCACAGUGCGCCGA--CAUAGUGGCGUGGUGUGC--UAGAACACA-GGAUCU 258
MBFV-NC_000943.1 ACGGCACAGUGCGCCGA--CAUAGUGGCGUGGUGUGC--GAGAACACA-GGAUCU 258
MBFV-NC_009451.1 AAGGCACAGAGCGCCGA--ACAUUGAGACUGUGGGGGAGAGACCACA-GGAUCU 258
MBFV-NC_006551.1 AAGGCACAGAGCGCCGA--AAAUUGUGGCGUGGUGGAGACAAGACCACA-GGAUCU 258
MBFV-NC_001437.1 UAGGCACAGAGCGCCGA--AGUAUUGAGCGUGGUGUGAGGAAGAACACA-GGAUCU 258
MBFV-NC_007580.2 AAGGCACAGAGCGCCGU--AAAGUUGGCGUGGUGUGAA-AAAAUCACA-GGAUCU 258
MBFV-NC_012534.1 CCGGCACAGAGCGCCGU--AAG-UGUGGCGUGGUGUG--GUAGAACACA-GUGUCU 258
MBFV-NC_015843.2 UUGGCACAGAUCCGCGA--AAG-UGUGGCGUGGUGUG--GUAGAACACA-GGAUCU 258
MBFV-NC_009029.2 UCGGCACAGAACGCCGU--UGA-GGAGCCGAGGCCCAA---AACAC-CAGAUUC 258
MBFV-NC_032088.1 UAGGCACAGAACGCCG--UAA-UGAUCUGGGUGGCCAA---AACAC-CAGAUUC 258
MBFV-NC_009026.2 CCGGCACAGAACGCCA--CA-UGUGGCGGGGUCGUAAGACCACA--GAUUCU 258
MBFV-NC_012532.1 A-GGCACAGAUCCGCGA--ACUUCGGCGCGGUGUGGG--GAAAUCCAUGGUUCU 258
MBFV-NC_035889.1 A-GGCACAGAUCCGCGA--AUAGCGGCGCGGUGUGGG--GAAAUCCAUGGGUUC 258
MBFV-NC_012533.1 U-GGCACAGAGCGCC---AGAUCCGGGCGUGUGUGGA-GAACACCAAGAGCUC 258
MBFV-NC_001474.2 A-GGCACAGAACGCCAG--AAAAUGGAUUGGUGCUGU---UGAAUCAACAGGUUCU 258
MBFV-NC_001477.1 A-GGCACAGAACGCCA--AAAAUGGAUUGGUGCUGU---UGAAUCAACAGGUUCU 258
MBFV-NC_001475.2 A-GGCACAGAACGCCA--AAAAUGGAUUGGUGCUGU---UGAAUCAACAGGUUCU 258
MBFV-NC_002640.1 A-GGCACAGAGCGCCG--AAGAUGGAUUGGUGUUG---UGAUCCAACAGGUUCU 258
MBFV-NC_002031.1 -GAGCACAGUUUGCUCAAGAAUAAACAGACCUUUGGAUGACAAACACAAAACCAU 258
MBFV-NC_012735.1 AAAGCACAGAUUGCUU--GAAUGCAGGCGGGGAAGUUGGAAACCAACUAGUGUCU 258
MBFV-NC_008719.1 UAAGCACAGAUUGCUU--GAAGUCAGGCGGGGAAGUUGGAAACCAACUAGUGUCU 258
MBFV-NC_018705.3 CACA-AAAAACAGC---AUUUUAGACAUUGGGAAGAGACUAGGAGACCC-UCUGU 258
40.....250.....260.....270.....280.....290....

