

MBFV-NC_034151.1 -----UGAAUAGUUUUUU-**GAACAAGAGG**GUGAAAACC-----**AUG**UCU---AAAAAAC 43
MBFV-NC_009028.2 -----UCUGAAUAGUUUUUU--AGCAAG**GGA**-UUUCCC-----**AUG**UCU---AAAAAAC 43
MBFV-NC_040776.1 -----UCUGAAUAGUUUUUU--AGCA**GAGG**U-ACUACC-----**AUG**UCU---AAAAAAC 43
MBFV-NC_000943.1 -----UGAACAGUUUUUUGGAGCUUUUGAUUU--CAA-----**AUG**UCU---AAAAAAC 43
MBFV-NC_006551.1 -----GCCGGCAGUUUCUUUGAGC-**GU**UGAUUU--UCA-----**AUG**UCU---AAGAAAC 43
MBFV-NC_001563.2 -----UGCGAGCUGUUUCUUGGCAC-**GAAGAUCU**--C-G-----**AUG**UCU---AAGAAAC 43
MBFV-NC_009942.1 -----UGCGAGCUGUUUCUAGCAC-**GAAGAUCU**--C-G-----**AUG**UCU---AAGAAAC 43
MBFV-NC_007580.2 -----GCGAACAGUUUUUU--AGC**AGGG**AAUUACCCA-----**AUG**UCU---AAAAAAC 43
MBFV-NC_009026.2 -----UCG-----AGGAAAGACGAGA**AGC**GAUUCUCUGA-----**AUG**GCU---AGAAAC 43
MBFV-NC_009029.2 ACACAGUGUGAAACAAGUUUUUUGAAC**AGCA**-----**AUG**---ACCAAAAAAC 43
MBFV-NC_032088.1 ----AGUGUGAAACAAGUUUUUUGAUC**AGUG**--GAUA-----**AUG**---ACUAAAAAAC 43
MBFV-NC_012534.1 ----AGUUUGAAC--GUUUUUUGGAGAG**AGAU**UAUU-----**AUG**UUAAACAAAAAAC 46
MBFV-NC_015843.2 ----AGUUUGAAC--GUUUUUUGGAUAGAGACAACU-----**AUG**CUAAACAAAAAAC 46
MBFV-NC_001437.1 -----UUAAACAGUUUUUUAGAAC**GGA**GAUAA--CC-----**AUG**ACU---AAAAAAC 43
MBFV-NC_012532.1 -----AUUUGGAUUU--GGAAAC**GAGAG**-UUUCUGG--UCAUGAAAAACCCCAAAG 46
MBFV-NC_035889.1 -----UUUUGGAUUU--GGAAAC**GAGAG**-UUUCUGG--UCAUGAAAA-CCCAAA 45
MBFV-NC_002640.1 -----UGUUUGAAUAGAGAG**AGC**AGA-UCUCUGGAAAA**UG**---AA--CCAACG 41
MBFV-NC_001477.1 -----AACAGUUUUUUAUUAGAG**AGC**AGA-UCUCUG-----**AUG**AACAA--CCAACG 44
MBFV-NC_001475.2 -----GACAGUUUUUUAUUAGAG**AGC**AGA-UCUCUG-----**AUG**AACAA--CCAACG 44
MBFV-NC_001474.2 -----ACAGUUUUUUAUUAGAG**AGC**AGA-UCUCUG-----**AUG**AUAA--CCAACG 44
MBFV-NC_012533.1 -----GUGUUGAGAAAGAA**AGC**AGAUUCUUCGGAA--**AUG**AA-----AACC 39
MBFV-NC_002031.1 -----UUGAGCGAUUAGCAGAG**AGAC**UGACCAGCA**UGUC**-----UG 37
MBFV-NC_008719.1 -----AAAGGGUAGAGAA**AGG**AGUUUUGCUUCAUGGCAACAAGAGGAG 46
MBFV-NC_012735.1 -----AAGGAGUAGAAGAA**AGG**AGAUUCAUUC**CCAAUGG**CAACAAGGGGA 46
TBFV-NC_001809.1 -----AAAGACAGCUUAGGAGAA**CAAG**AGCUGGGG-----**AUGG**-----G 35
TBFV-NC_027709.1 -----AAAGACAGCUUAGGAGAA**CAAG**AGCUGGGG-----**AUGG**-----G 35
TBFV-NC_003690.1 -----AAAGACAGCUUAGGAGAA**CAAG**AGCUGGGA-----**AUGG**-----C 35
TBFV-NC_001672.1 -----AAAGACAGCUUAGGAGAA**CAAG**AGCUGGGG-----**AUGG**-----U 35
TBFV-NC_005062.1 -----AAAGACAGCUUAGGAGAA**CAAG**AGCUGGGG-----**AUGG**-----C 35
TBFV-NC_003687.1 -----AGCUUAGGAGAA**CAAG**AGCUGGGGAGUGGUAA**UG**----- 33
.....10.....20.....30.....40.....50.....6



MBFV-NC_034151.1 CAGGAGGACCC--GGAAAGAACCGGGGUCGU**UAAUAUGC**----GAAGCGCACAUCCCCG 96
MBFV-NC_009028.2 CAGGAAAGUCC--GCUGCAAAGCGGACUGU**CAUAUAUGC**----AAAACGCCUGGCUAGC 96
MBFV-NC_040776.1 CAGGAGGACCC--GCGGAAGCGGGGUUGU**CAUAUAUGC**----GAAACGCCAGCCAGC 96
MBFV-NC_000943.1 CAGGAGGACCC--GGGAAGCCCCGGGUCGU**CAUAUAUGC**----AAAACGCGGCAUACCC 96
MBFV-NC_006551.1 CAGGAGGGCCC--GGAAGAAACCGGGCCAU**CAUAUAUGC**----GAAACGCGGCAUACCC 96
MBFV-NC_001563.2 CAGGAGGGCCC--GGUAAAAACCGGGCUGU**CAUAUAUGC**----AAAACGCGGUAUGCCC 96
MBFV-NC_009942.1 CAGGAGGGCCC--GGCAAGAGCCGGGCU**CAUAUAUGC**----AAAACGCGGAUUGCCC 96
MBFV-NC_007580.2 CAGGAAAACCC--GGUAGAAAACCGGGUUGU**CAUAUAUGC**----AAAACGCGGCGUAUCC 96
MBFV-NC_009026.2 CAGGAAGACCC--GGAGGAAACCGGGGCU**CAUAUAUGC**----AAAGCGUACGGCGGCC 96
MBFV-NC_009029.2 CAGGAAGGCC--GGUAGAAACCGGGCCG**CAUAUAUGC**----AAAGCGCGGUGCGUCC 96
MBFV-NC_032088.1 CAGGAAAGUCC--GGCAAUCGUCGGACUGU**CAUAUAUGC**----AAAGCGCGGAGCAUCC 96
MBFV-NC_012534.1 CAGGAAAACCC--GGGCAACCCCGGGUUGU**CAUAUAUGC**----AAAGCGCGGUGCAUCC 99
MBFV-NC_015843.2 CAGGAAGACCC--GGCUCAGGCGGGGUUGU**CAUAUAUGC**----AAAGCGCGGAAGCUCC 99
MBFV-NC_001437.1 CAGGAGGGCCC--GGUAAAAACCGGGCUAU**CAUAUAUGC**----GAAACGCGGCCUACCC 96
MBFV-NC_012532.1 AAGAAAU**C**--C--GGAGGA-UCCGGAUUGU**CAUAUAUGC**----AAAACGCGGAGUAGCC 96
MBFV-NC_035889.1 AAGAAAU**C**--C--GGAGGAUUCGGAUUGU**CAUAUAUGC**----AAAACGCGGAGUAGCC 96
MBFV-NC_002640.1 AAAAAAGG-U--GGUUAGACC--ACCUU**CAUAUAUGC**----GAAACGCGAGAGAAAC 90
MBFV-NC_001477.1 GAAAAAGA--C--GGGUCGACC--GUCUUU**CAUAUAUGC**----GAAACGCGCGAGAAAC 93
MBFV-NC_001475.2 GAAGAAGA--C--GGGAAAACC--GUCUAU**CAUAUAUGC**----GAAACGCGUGAGAAAC 93
MBFV-NC_001474.2 GAAAAAGG--C--GAAAAACAC--GCCUUU**CAUAUAUGC**----GAAACGCGAGAGAAAC 93
MBFV-NC_012533.1 CAAAAAAG--G--GCCGAAGCCGGCCUAU**CAUAUAUGC**----GAAACGCGGUUGGAUCU 90
MBFV-NC_002031.1 GUCGUAAAGCUCAGGGAAAAACCCUGGGCGU**CAUAUAUGG**----A--CGACGAGGAGUU 90
MBFV-NC_008719.1 CAAGCAAGUCUCGGGUCACGACCCCGGGGCGU**CAUAUAUGG**----GA--CGGCCAA-- 95
MBFV-NC_012735.1 UGAAUAAGUCUCGGGUCUGAACCCGAGGCGU**CAUAUAUGG**----AG--CGGCUAG---- 95
TBFV-NC_001809.1 CAGGAAGACCAUCCUGAAAGGCAAGGGGGGG**CGUCCCCC**UCGACGAGUGUCGAAAGAGAC 95
TBFV-NC_027709.1 CAGGAAGUCCAUCCUGAAAGGUAAGGGGGGG**CGUCCCCC**UCGACGAGUGUCGAAAGAGAC 95
TBFV-NC_003690.1 CGGGAAGGCCGUCUCAAAGGAAAGGGGGGG**CGUCCCCC**UCGACGAGUGUCGAAAGAGG 95
TBFV-NC_001672.1 CAAGAAGGCCAUCCUGAAAGGUAAGGGGGGG**CGUCCCCC**UCGACGAGUGUCGAAAGAGAC 95
TBFV-NC_005062.1 CGGGAAGGCCAUUCUGAAAGGAAAGGGGGGG**CGUCCCCC**UCGACGAGUGUCGAAAGAGAC 95
TBFV-NC_003687.1 ----AUGACCACUUCUAAAGGAAAGGGGGGG**CGUCCCCC**UAGGCGCAAGCUUAAAGUGAC 89
0.....70.....80.....90.....100.....110.....1



MBFV-NC_034151.1 GCUA-----NNNNNNNGAA-CGCAAA-UAAAAAC**AGCAUAUUG**ACACCUGGGA--UAG 145
MBFV-NC_009028.2 GUGU-----NNNNNNNCAAGCGCGAA--ACAAAC**AGCAUAUUG**ACGCCUGGGA--AAG 145
MBFV-NC_040776.1 GUUU-----NNNNNNN--AAGCGCAAA-GACAAAC**AGCAUAUUG**ACACCUGGGA--AAG 145
MBFV-NC_000943.1 CGCG-----NNNNNNNAAAGCAUC--AAACAAC**AGCAUAUUG**ACACCUGGGA--AAG 146
MBFV-NC_006551.1 CGCG-----NNNNNNN--UAAGCAUCA-AAAAAAC**AGCAUAUUG**ACACCUGGGAUUAG 147
MBFV-NC_001563.2 CGCG-----NNNNNNNAAACACC-AA-AAGAAAC**AGCAUAUUG**ACACCUGGGA--UAG 145
MBFV-NC_009942.1 CGCG-----NNNNNNNAAACACCA-CA-ACAAAC**AGCAUAUUG**ACACCUGGGA--UAG 145
MBFV-NC_007580.2 CGCG-----NNNNNNNCCGUUAACG-**AAACAACAGCAUAUUG**ACACCUGGGA--AG 145
MBFV-NC_009026.2 AACG-----NNNNNNN--ACGCACCA-AAGAAAC**AGCAUAUUG**ACACCUGGGA--UAG 145
MBFV-NC_009029.2 CGCG-----NNNNNNN--AGCGCAAC-ACAAAC**AGCAUAUUG**ACACCUGGGA--AAG 145
MBFV-NC_032088.1 CGCG-----NNNNNNN--UACCGCAA-ACAAAC**AGCAUAUUG**ACACCUGGGA--UAG 145
MBFV-NC_012534.1 C-----NNNNNNN--AACACCAA-ACAAAC**AGCAUAUUG**ACACCUGGGA--GAG 145
MBFV-NC_015843.2 C-----NNNNNNNNGAACACCACA-A-GAAAC**AGCAUAUUG**ACACCUGGGA--UAG 145
MBFV-NC_001437.1 CGCG-----NNNNNNN-----CAUAUUGACACCUGGGA-UAG 128
MBFV-NC_012532.1 CGUG-----NNNNNNNCCCCGGA**AAACGC**AAAC**AGCAUAUUG**AC--GUGGGA--AAG 145
MBFV-NC_035889.1 CGUG-----NNNNNNN--CCC**GGA**AAAC**GC**AAAC**AGCAUAUUG**AC--GCUGGGA--AAG 145
MBFV-NC_002640.1 CGCGUAU-CAANNNNNNNCCCCCAACACA-AAAAC**AGCAUAUUG**AC--GCUGGGA--AAG 145
MBFV-NC_001477.1 CGCGUGU---NNNNNNNCCCGCACACAA-CAAAC**AGCAUAUUG**AC--GCUGGGA--GAG 145
MBFV-NC_001475.2 CGUGUGU---NNNNNNNCCCCCGCAAUA-AAAAC**AGCAUAUUG**AC--GCUGGGA--GAG 145
MBFV-NC_001474.2 CGCGUGU---NNNNNNNCCCCCGAAACA-AAAAC**AGCAUAUUG**AC--GCUGGGA--AAG 145
MBFV-NC_012533.1 AGCGCUG-GCCNNNNNNNAUAACCA-CAUAAAC**AGCAUAUUG**ACACCUGGGA--AAG 145
MBFV-NC_002031.1 CGCUCCU-UGUNNNNNNNNAGG-GAACAAAUAGUGGG**ACCAUAUUG**ACGCCAGGGAAAGAC 148
MBFV-NC_008719.1 ----GG-CCANNNNNNNCCGAGCAC-UAUAGC-GG**ACCAUAUUG**ACGCCUGGGAAAGAC 147
MBFV-NC_012735.1 ----AG-UGANNNNNNNCCGAGCACAUAGC-GG**ACCAUAUUG**ACGCCAGGGAAAGAC 148
TBFV-NC_001809.1 CGCGA-----ANNNNNNNG-UUUUCCCUCCUCCUAU**ACCAAAUU**-CCCCCUCGACAGAG 147
TBFV-NC_027709.1 CGCAA-----NNNNNNNGAUUUUCCCUCCUCCUAU**ACCAAAUU**-CCCCCUCGACAGAG 147
TBFV-NC_003690.1 CCCAA-----NNNNNNNGAUUUUCCCUCCUCCUAU**ACCAAAUU**-CCCCCUCGACAGAG 147
TBFV-NC_001672.1 CGCAA-----NNNNNNN-----UAU**ACCAAAUU**-CCCCCUCGUAAGAG 132
TBFV-NC_005062.1 CGCUA-----NNNNNNN-----UAU**ACCAAAUU**-CCCCCUCAUUCUGAG 132
TBFV-NC_003687.1 CGCAAAUAAGUNNNNNNN-AUUUUCCGCCUCCUAU**ACCAAAUU**-CCCCCAGGAAACUG 147
20.....130.....140.....150.....160.....170.....1



MBFV-NC_034151.1 .)))).)))))..... 167
MBFV-NC_009028.2 ACUGGGAGACCCUCUGCUUAUU----- 167
MBFV-NC_040776.1 ACCGGGAGAUCCUCUGCUUCC----- 167
MBFV-NC_000943.1 ACUAGGAGAUCCUUGCUCUA----- 167
MBFV-NC_006551.1 ACUAGGAGAUUUUGCUCU----- 167
MBFV-NC_001563.2 ACUAGGGGAUCUUGCUCUCUGC----- 167
MBFV-NC_009942.1 ACUAGGAGAUCCUUGCUCUCUGC----- 167
MBFV-NC_007580.2 ACAGGAGAUCCCGUCUUUUC----- 167
MBFV-NC_009026.2 ACCGGAGAAUUGCUGCCUCGC----- 167
MBFV-NC_009029.2 ACUAGGGGAUUGCUGCUCUGG----- 167
MBFV-NC_032088.1 ACUAGGAGAUCCGUCUCUCUG----- 167
MBFV-NC_012534.1 ACUAGGAGACCCUCUGUCCUA----- 167
MBFV-NC_015843.2 ACUAGGAGACCCUCUGUCCUA----- 167
MBFV-NC_001437.1 ACUGGGAGAUCCUUGCUCUAUCUCAACAUCAGCUACUA 167
MBFV-NC_012532.1 ACCAGAGACUCCAUGAGUUUCC----- 167
MBFV-NC_035889.1 ACCAGAGACUCCAUGAGUUUCC----- 167
MBFV-NC_002640.1 ACCAGAGAUCCUGCUGUCUCUG----- 167
MBFV-NC_001477.1 ACCAGAGAUCCUGCUGUCUCUA----- 167
MBFV-NC_001475.2 ACCAGAGAUCCUGCUGUCUCU----- 167
MBFV-NC_001474.2 ACCAGAGAUCCUGCUGUCUCU----- 167
MBFV-NC_012533.1 ACCGGAGACUCUGUUGGCUUUC----- 167
MBFV-NC_002031.1 CGGAGUGGUUCUGUCUU-U----- 167
MBFV-NC_008719.1 CGGAGACACUCCUUGAUUCU----- 167
TBFV-NC_012735.1 CGGAGACACUCCUUGAUUC----- 167
TBFV-NC_001809.1 GGGGGGCGGUUCUUGUUCUC----- 167
TBFV-NC_027709.1 GGGGGGCGGUUCUUGUUCUC----- 167
TBFV-NC_003690.1 GGGGGGCGGUUCUUGUUCUC----- 167
TBFV-NC_001672.1 GGGGGGCGGUUCUUGUUCUCCUGAGCCACCAUC----A 167
TBFV-NC_005062.1 GGGGGGCGGUUCUUGUUCUCCUGAGCCACCAUC----A 167
TBFV-NC_003687.1 GGGGGGCGGUUCUUGUUCUC----- 167
80.....190.....200.....210.....

