

MBFV-NC_012532.1 ----AUUUGGAUUUGGAAAC-GAGAG-UUUCUGG--UCAUGAAAAACCCCA--AAGAA-G 49
MBFV-NC_035889.1 ----UUUUGGAUUUGGAAAC-GAGAG-UUUCUGG--UCAUGAAAAA-CCCA--AAAAA-G 48
MBFV-NC_002640.1 -----UGUUUGAAUAGAGA-GCAGA-UCUCUGGAAAAAUG---AA--CCA--ACGAA-A 44
MBFV-NC_001477.1 AA-CAGUUUUUUAAUAGAGA-GCAGA-UCUCUG-----AUGAACAA--CCA--ACGGA-A 47
MBFV-NC_001475.2 GA-CAGUUUUUUAAUAGAGA-GCAGA-UCUCUG-----AUGAACAA--CCA--ACGGA-A 47
MBFV-NC_001474.2 AC-AGUUUUUUAAUAGAGA-GCAGA-UCUCUG-----AUGAAUA--CCA--ACGGA-A 47
MBFV-NC_012533.1 ----GUGUUGAGAAAGAAA-ACAGAUUCUUCGG--AAAUGAAAAC--CCA--A---A-A 44
MBFV-NC_012534.1 ----AGUUUGAACGUUUUUUGGAGAGAGAUUAU---UAUGUUUAACAAAAAACCCAGG-A 51
MBFV-NC_015843.2 ----AGUUUGAACGUUUUUUGGAUAGAGACAAC---UAUGUCUAACAAAAAACCCAGG-A 51
MBFV-NC_009029.2 ACACAGUGUGAACAGUUUUUUUGAACAGCA-----AUGACC-AAAAAAC--CAGG-A 48
MBFV-NC_032088.1 ----AGUGUGAACAGUUUUUUUGAUCAGUGGAU---AAUGACU-AAAAAAC--CAGG-A 48
MBFV-NC_000943.1 -U-GAACAGUUUUUUGGAGCUUUUGAUUUCAA-----AUGUCUAAAAAA--CCAGG-A 48
MBFV-NC_006551.1 GC-CGGCAGUUUCUUUGAGC-GUUGAUUUUCA-----AUGUCUAAGAAA--CCAGG-A 48
MBFV-NC_001563.2 UG-CGAGCUGUUUCUUGGCACGAAGAUCUC-G-----AUGUCUAAGAAA--CCAGG-A 48
MBFV-NC_009942.1 UG-CGAGCUGUUUCUAGCAGGAAGAUCUC-G-----AUGUCUAAGAAA--CCAGG-A 48
MBFV-NC_009028.2 UC-UGAAUAGUUUUUAGCA-AGGGAUUCUCC-----AUGUCUAAAAAA--CCAGG-A 48
MBFV-NC_040776.1 UC-UGAAUAGUUUUUAGCA-GAGGUACUACC-----AUGUCUAAAAAA--CCAGG-A 48
MBFV-NC_007580.2 GC--GAACAGUUUUU-AGC-AGGGAAUUAACC---AAUGUCUAAAAAA--CCAGG-A 48
MBFV-NC_034151.1 U---GAAUAG-UUUUUUGAACAGAGGUGAAAAAC---CAUGUCUAAAAAA--CCAGG-A 48
MBFV-NC_009026.2 U---CGAGGA-AAGACGAGAAGCGAAUUCUCUG---AAUGGCUAGAAAA--CCAGG-A 48
MBFV-NC_002031.1 ----UUGAGCGAUUAGCAG-AGAACUGACCAGA--ACAUGUCUGGU-----CGUAA-A 45
MBFV-NC_001437.1 U--UAAACAGUUUUUAGAACGGA---AGAUAA--CCAUGACUAAAAAA--CCAGG-A 48
MBFV-NC_012735.1 ----AAGGAGUAGAGAAA-GGAGAUUCAUCC--CAAUGGCAACAAGGGGAUGAAUA 52
MBFV-NC_008719.1 ----AAAGGGUAGAGAAA-GGAGUUUUGCUUC--CAUGGGCAACAAGAGGAGCAAGCA 52
.....10.....20.....30.....40.....50.....6



MBFV-NC_012532.1 AAAUCCGGAGGAUCC-GGAUUGUCAAAUUGCUAAAACGCGGAGUAGCCCGUG----NNN 103
MBFV-NC_035889.1 AAAUCCGGAGGAUCCGGAUUGUCAAAUUGCUAAAACGCGGAGUAGCCCGUG----NNN 103
MBFV-NC_002640.1 AAAGGUGG-UUAGACCACUUUUCAAUAUGCUGAAACGCGAGAGAAACCGCGUAUCAANN 103
MBFV-NC_001477.1 AAAGACGG-GUCGACCGUCUUUCAAUAUGCUGAAACGCGCGAGAAACCGCGUGU---NNN 103
MBFV-NC_001475.2 GAAGACGG-GAAAACCGUCUAUCAAUAUGCUGAAACGCGUGAGAAACCGUGUGU---NNN 103
MBFV-NC_001474.2 AAAGGCGA-AAAAACCGCCUUUCAAUAUGCUGAAACGCGAGAGAAACCGCGUGU---NNN 103
MBFV-NC_012533.1 AAGGGCCGCAUCG-CGGCCUAUCAAUAUGCUGAAGCGCUUUGGAUCUAGCGCUGGCCNNN 103
MBFV-NC_012534.1 AAACCCGGGGCAACCCGGGUUGUCAAAUUGCUAAAAGCGCGGUGCAUCC-----NNN 103
MBFV-NC_015843.2 AGACCCGGCUCAGGCGGGUUGUCAAAUUGCUAAAAGCGCGGAACGUCC-----NNN 103
MBFV-NC_009029.2 AGGCCCGGUAAGAAUUGGGGCGUCAAUAUGCUAAAAGCGCGGUGCGUCCCGCG----NNN 103
MBFV-NC_032088.1 AAGUCCGGCAUUCGUCGGACUGUCAAAUUGCUAAAAGCGCGGAGCAUCCCGCG----NNN 103
MBFV-NC_000943.1 GGACCCGGGAAGCCCGGGUCGUCAAAUUGCUAAAACGCGGCAUACCCCGCG----NNN 103
MBFV-NC_006551.1 GGGCCCGGAAGAAACCGGGCCAUCAAUAUGCUGAAACGCGGCAUACCCCGCG----NNN 103
MBFV-NC_001563.2 GGGCCCGGUAAAAACCGGGCUGUCAAAUUGCUAAAACGCGGUAUGCCCGCG----NNN 103
MBFV-NC_009942.1 GGGCCCGGCAAGAGCCGGGUGUCAAAUUGCUAAAACGCGGAUUGCCCGCG----NNN 103
MBFV-NC_009028.2 AAGUCCGUGCAAAGCGGACUGUCAAAUUGCUAAAACGCCUGGCUAGCGUGU---NNN 103
MBFV-NC_040776.1 GGACCCGCGCGAAGGCGGGUUGUCAAAUUGCUGAAGCGCCAGCCAGCGUUU----NNN 103
MBFV-NC_007580.2 AAACCCGGUAGAAACCGGGUUGUCAAAUUGCUAAAACGCGGCGUAUCCCGCG----NNN 103
MBFV-NC_034151.1 GGACCCGGAAGAAACCGGGUCGUAAUAUGCUGAAGCGCACAUCCCGCGCUA----NNN 103
MBFV-NC_009026.2 AGACCCGGGAACCCGGGUGCUGUCAAAUUGCUAAAAGCGUACGGCGGCCAACG----NNN 103
MBFV-NC_002031.1 GCUCAGGGAAAAACCCUGGGCGUCAAAUUGGUACGACGAGGAGUUCGCUCCUUGU---NNN 103
MBFV-NC_001437.1 GGGCCCGGUAAAAACCGGGCUAUAUAUGCUGAAGCGCGGCCUACCCCGCG----NNN 103
MBFV-NC_012735.1 AGUCUCGGGUCGAUCCGAGGCGUCAAAUUGGUAAGCGGUGA--GUGA----NNN 103
MBFV-NC_008719.1 AGUCUCGGGUCACGACCCGGGGGUGUCAAAUUGGUGACGGCCAAG---GCCA----NNN 103
0.....70.....80.....90.....100.....110.....1



MBFV-NC_012532.1 NNNNCC-CCGGAACACGCAAAACAGCAUAUUGAC-G--UGGGA--AAGACCA-GAGACUC 156
MBFV-NC_035889.1 NNNN-C-CCGGAACACGCAAAACAGCAUAUUGAC-G-CUGGGA--AAGACCA-GAGACUC 156
MBFV-NC_002640.1 NNNNCC-CCCCAACA--CAAAAACAGCAUAUUGACG-CUGGGA--AAGACCA-GAGAUCC 156
MBFV-NC_001477.1 NNNNCC-CGCACAAC--AACAAACAGCAUAUUGACG-CUGGGA--GAGACCA-GAGAUCC 156
MBFV-NC_001475.2 NNNNCC-CCCGCAAA--UAAAAACAGCAUAUUGACG-CUGGGA--GAGACCA-GAGAUCC 156
MBFV-NC_001474.2 NNNNCC-CCCGAAAC--AAAAAACAGCAUAUUGACG-CUGGGA--AAGACCA-GAGAUCC 156
MBFV-NC_012533.1 NNNNAU-AACCAACA--UAAAAACAGCAUAUUGACACCUUGGGA--AAGACCG-GAGACUC 156
MBFV-NC_012534.1 NNNN-A-ACACCAA-ACAAAACAGCAUAUUGAC-ACCUUGGA--GAGACUA-GGAGACC 156
MBFV-NC_015843.2 NNNNGA-ACACCACA-A-GAAACAGCAUAUUGAC-ACCUUGGA--UAGACUA-GGAGACC 156
MBFV-NC_009029.2 NNNN-A-GCGCAAAC-ACAAAACAGCAUAUUGAC-ACCUUGGA--AAGACUA-GGGGAUU 156
MBFV-NC_032088.1 NNNN-U-ACCGCAA-ACAAAACAGCAUAUUGAC-ACCUUGGA--UAGACUA-GGAGAU 156
MBFV-NC_000943.1 NNNNAA-AAGCAUCA--AACAAACAGCAUAUUGAC-ACCUUGGGA--AAGACUA-GGAGAU 157
MBFV-NC_006551.1 NNNNUA-AGCAUCA--AAAAACAGCAUAUUGAC-ACCUUGGGAUUAGACUA-GGAGAU 158
MBFV-NC_001563.2 NNNNAA-ACACCAA--AGAAACAGCAUAUUGAC-ACCUUGGA--UAGACUA-GGGGAUC 156
MBFV-NC_009942.1 NNNNAA-CACCACA--CAAAAACAGCAUAUUGAC-ACCUUGGA--UAGACUA-GGAGAU 156
MBFV-NC_009028.2 NNNNCA-AGCGCAA--ACAAACAGCAUAUUGAC-GCCUGGGA--AAGACCG-GGAGAU 156
MBFV-NC_040776.1 NNNN-A-AGCGCAA-GACAAACAGCAUAUUGAC-ACCUUGGA--AAGACCG-GGAGACC 156
MBFV-NC_007580.2 NNNNCC-GUUAACGC-AAACAACAGCAUAUUGAC-ACCU-GGA--AAGACAG-GAGAUCC 156
MBFV-NC_034151.1 NNNN-G-AACGCAA-UAAAAACAGCAUAUUGAC-ACCUUGGA--UAGACUGGGAGACCC 157
MBFV-NC_009026.2 NNNN-A-CGCACAA-AAAAACAGCAUAUUGAC-ACCUUGGA--UAGACCG-GAGAAUU 156
MBFV-NC_002031.1 NNNNAG-GGAACAA-UAGUGGGACCAUAUUGAC-GCCAGGGA--AAGACCG-GAGUGGU 157
MBFV-NC_001437.1 NNNNCA-UAUUGACACCUUGGGAAUAGACUGGAGAUUCUUCG----CUCUA-UCUCAAC 156
MBFV-NC_012735.1 NNNNCCGAGCACACAUAGCGGACCAUAUUGACGC---CAGGGA--AAGACCG-GAGACA- 156
MBFV-NC_008719.1 NNNNCCGAGCAC-UAUAGCGGACCAUAUUGACGC---CUGGGA--AAGACCG-GAGACAC 156
20.....130.....140.....150.....160.....170.....1



MBFV-NC_012532.1 CAUGAGUUUCC 167
MBFV-NC_035889.1 CAUGAGUUUCC 167
MBFV-NC_002640.1 UGCUGUCUCUG 167
MBFV-NC_001477.1 UGCUGUCUCUA 167
MBFV-NC_001475.2 UGCUGUCUCCU 167
MBFV-NC_001474.2 UGCUGUCUCCU 167
MBFV-NC_012533.1 UGUUGGCUUUC 167
MBFV-NC_012534.1 CUCUGUCCUAA 167
MBFV-NC_015843.2 CUCUGUCCUAA 167
MBFV-NC_009029.2 UGCUGCUCUGG 167
MBFV-NC_032088.1 CGCUGCUCUGG 167
MBFV-NC_000943.1 UUC-UGCUCUA 167
MBFV-NC_006551.1 UUC-UGCUCU- 167
MBFV-NC_001563.2 UUCUGCUCUGC 167
MBFV-NC_009942.1 UUCUGCUCUGC 167
MBFV-NC_009028.2 CUCUGCUUCC 167
MBFV-NC_040776.1 CUCUGCUCUGC 167
MBFV-NC_007580.2 CCUGCUUUUUC 167
MBFV-NC_034151.1 UCUG-CUUAU 167
MBFV-NC_009026.2 UGCUGCCUCGC 167
MBFV-NC_002031.1 UCUCUGCUUU- 167
MBFV-NC_001437.1 AUCAGCUACUA 167
MBFV-NC_012735.1 CUCCUUAUUC 167
MBFV-NC_008719.1 UCCUUGAUUCU 167
80.....

