

MBFV-NC_001477.1 -----AACAGUUUUUUUUAGAGAGCAG-AUCUCU---G---AUGAACAA--CCAACGG 45
MBFV-NC_001475.2 -----GACAGUUUUUUUUAGAGAGCAG-AUCUCU---G---AUGAACAA--CCAACGG 45
MBFV-NC_001474.2 -----ACAGUUUUUUUUUUAGAGAGCAG-AUCUCU---G---AUGAAUAA--CCAACGG 45
MBFV-NC_002640.1 -----UGUUUGAAUAGAGAGCAGAU-CUCUGGAAAA--AUG---AA--CCAACGA 42
MBFV-NC_012533.1 -----GUGUUGAGAAAAGAAAACAGAUUCUUCGGAA--AUGAAAAC--CCAA--- 42
MBFV-NC_012532.1 -----A---UUUGGAUUUGGAAACGAGAGUUUCUGGUC--AUGAAAAACCCCAAAGA 47
MBFV-NC_035889.1 -----U---UUUGGAUUUGGAAACGAGAGUUUCUGGUC--AUGAAAAA-CCCAAAAA 46
MBFV-NC_012534.1 -----AGUUUGAACGUUUUUUGGAGAGAGAUUAUU-----AUGUUUAACAAAAAAC 47
MBFV-NC_015843.2 -----AGUUUGAACGUUUUUUGGAUAGAGACAACU-----AUGUCUAACAAAAAAC 47
MBFV-NC_009029.2 ACACAGUGUGAACAGUUUUUUUGAACAG-----CA-----AUG---ACCAAAAAAC 44
MBFV-NC_032088.1 -----AGUGUGAACAGUUUUUUUGAUCAGUGGAUA-----AUG---ACUAAAAAAC 44
MBFV-NC_007580.2 -----GCGAACAGUUUUUUAG--CAGGGAAUUACCC-A--AUGU---CUAAAAAAC 44
MBFV-NC_000943.1 -----U--GAACAGUUUUUUUGGAGCUUUUGAUU-UCA--AUGU---CUAAAAAAC 44
MBFV-NC_001563.2 -----UGCGAGCUGUUUCUUGGCAC-GAAGA-U-CUC-G--AUGU---CUAAGAAAC 44
MBFV-NC_009942.1 -----UGCGAGCUGUUUCUUGGCAC-GAAGA-U-CUC-G--AUGU---CUAAGAAAC 44
MBFV-NC_006551.1 -----CCCG-GCAGUUUCUUUGAGC-GUUGAUU-UUC-A--AUGU---CUAAGAAAC 44
MBFV-NC_009026.2 -----UCGAGGAAA--GACGAG--AAGCGAAUUCUCUGA--AUGG---CUAGAAAAC 44
MBFV-NC_009028.2 -----UCUGAAUAGUUUUUUAG--CAAGGGAUUUCCC-----AUGU---CUAAAAAAC 44
MBFV-NC_040776.1 -----UCUGAAUAGUUUUUUAG--CAGAGGUACUACC-----AUGU---CUAAAAAAC 44
MBFV-NC_034151.1 -----U--GAAUAGUUUUUU--GAACAGAGGUGAAAAAC-----AUGU---CUAAAAAAC 44
MBFV-NC_001437.1 -----UUAAACAGUUUUUUUAGAACGGAAGAUAAAC-----AUG---ACUAAAAAAC 44
MBFV-NC_002031.1 -----UUGAGCGAUUAGCAGAGAACUGACCAGAAC--AUGUC-----UGG 38
MBFV-NC_012735.1 -----AAGGAGAGAAGAAAGGAGAUUCAUUCCTCA--AUGGCAACAAGGGGAU 47
MBFV-NC_008719.1 -----AAAGGGUAGAGAAAAGGAGUUUUGCUUCUC--AUGGCAACAAGAGGAGC 47
TBFV-NC_001672.1 -----AAAGACAGCUUAGGAGAACAAAGAGCUGGGG-----AUGGUCAAGAAGGCCAU 47
TBFV-NC_005062.1 -----AAAGACAGCUUAGGAGAACAAAGAGCUGGGG-----AUGGCCGGGAAGGCCAU 47
TBFV-NC_027709.1 -----AAAGACAGCUUAGGAGAACAAAGAGCUGGGG-----AUGGGCAGGAAGGCCAU 47
TBFV-NC_001809.1 -----AAAGACAGCUUAGGAGAACAAAGAGCUGGGG-----AUGGGCAGGAAGGCCAU 47
TBFV-NC_003690.1 -----AAAGACAGCUUAGGAGAACAAAGAGCUGGGG-----AUGGCCGGGAAGGCCAU 47
TBFV-NC_003687.1 -----AGCUUAGGAGAACAAAGAGCUGGGGAGUGGUUAUG-----AUGACCAC 41
.....10.....20.....30.....40.....50.....6



.....((.....((((.....((((((((.....
MBFV-NC_001477.1 AAAAAGA--C---G--GGUCGACCGUCUUUCAUAUAGCUGAAACGCGCGAGAAACCGCGU 98
MBFV-NC_001475.2 AAGAAGA--C---G--GGAAAACCGUCUAUCAUAUAGCUGAAACGCGUGAGAAACCGGUGU 98
MBFV-NC_001474.2 AAAAAGG--C---G--AAAAACAGCCUUUCAUAUAGCUGAAACGCGAGAGAAACCGCGU 98
MBFV-NC_002640.1 AAAAAGG--U---G--GUUAGACCACCUUCAUAUAGCUGAAACGCGAGAGAAACCGCGU 95
MBFV-NC_012533.1 AAAAGGG--C---C--GCAUCGCGGCCUAUCAUAUAGCUGAAGCGCUUUGGAUCUAGCGC 95
MBFV-NC_012532.1 AGAAAUUC--C---GGAGGA-UCCGGAUUGUCAUAUAGCUGAAACGCGGAGUAGCCCGUG- 100
MBFV-NC_035889.1 AGAAAUUC--C---GGAGGAUUCGGAUUGUCAUAUAGCUGAAACGCGGAGUAGCCCGUG- 100
MBFV-NC_012534.1 AGGAAAACCC--GGGGCAACCCGGGUUGUCAUAUAGCUGAAAGCGCGGUGCAUCCC--- 100
MBFV-NC_015843.2 AGGAAGACCC--GGCUCAGGCCCGGUUGUCAUAUAGCUGAAAGCGCGGAACGUGCCC--- 100
MBFV-NC_009029.2 AGGAAGGCC--GGUAGAAAACGGGCGUCAUAUAGCUGAAAGCGCGGUGCGUCCCGCG- 100
MBFV-NC_032088.1 AGGAAAGUCC--GGCAAUCGUCGAGCUGUCAUAUAGCUGAAAGCGCGGAGCAUCCCGCG- 100
MBFV-NC_007580.2 AGGAAAACCC--GGUAGAAAACCGGUUGUCAUAUAGCUGAAACGCGGCGUAUCCCGCG- 100
MBFV-NC_000943.1 AGGAGGACCC--GGGAAGCCCGGGGUCGUCAUAUAGCUGAAACGCGGCAUACCCCGCG- 100
MBFV-NC_001563.2 AGGAGGGCCC--GGUAAAAACCGGGCUGUCAUAUAGCUGAAACGCGGCAUAGCCCGCG- 100
MBFV-NC_009942.1 AGGAGGGCCC--GGCAAGAGCCGGGCGUCAUAUAGCUGAAACGCGGAAUGCCCGCG- 100
MBFV-NC_006551.1 AGGAGGGCCC--GGAAGAAACCGGGCUCAUAUAGCUGAAACGCGGCAUAGCCCGCG- 100
MBFV-NC_009026.2 AGGAAGACCC--GGAGGAAACCGGGUCGUCAUAUAGCUGAAAGCGGUACGCGGCCAACG- 100
MBFV-NC_009028.2 AGGAAAGUCC--GCUGCAAAGCGGACUGUCAUAUAGCUGAAACGCCUGGCUAGCGUGU- 100
MBFV-NC_040776.1 AGGAGGACCC--GCCGGAAGGCGGGUUGUCAUAUAGCUGAAACGCCAGCCAGCGUUU- 100
MBFV-NC_034151.1 AGGAGGACCC--GGAAAGAACCGGGUCGUUAUAUAGCUGAAGCGCACAUCCCGCGUA- 100
MBFV-NC_001437.1 AGGAGGGCCC--GGUAAAAACCGGGCUGUCAUAUAGCUGAAACGCGGCAUAGCCCGCG- 100
MBFV-NC_002031.1 UCGUAAAGCUCAGGGAAAAACCCUGGGCGUCAUAUUGGUACGACGAGGAGUUCGCUCCU 98
MBFV-NC_012735.1 GAAUAAGUCUCGGGUCGUAUCCCGGGCGUCAUAUUGGUAG--CGGCUAGAGU----- 98
MBFV-NC_008719.1 AAGCAAGUCUCGG-UC-ACGACCGGGGCGUCAUAUUGGUGAGCGGCCAACGGC----- 98
TBFV-NC_001672.1 CCUGAAAGGUAAGGGGGGCGGUCCCCCUCGACGAGUGUCGAAAGAGACCGCAA----- 100
TBFV-NC_005062.1 UCUGAAAGGAAAGGGGGGCGGUCCCCCUCGACGAGUGUCGAAAGAGACCGCAA----- 100
TBFV-NC_027709.1 CCUGAAAGGUAAGGGGGGCGGUCCCCCUCGACGAGUGUCGAAAGAGACCGCAA----- 100
TBFV-NC_001809.1 CCUGAAAGGCAAGGGGGGCGGUCCCCCUCGACGAGUGUCGAAAGAGACCGCGA----- 100
TBFV-NC_003690.1 UCUAAAAGGAAAGGGGGGGGCGGUCCCCCUCGACGAGCUGCAAAGUGGCCCCAA----- 100
TBFV-NC_003687.1 UUCUAAAGGAAAGGGGGGCGGUCCCCCUAGGCGCAAGCUUAAAGUGACCGCAAAUAAGU- 100
0.....70.....80.....90.....100.....110.....1



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MBFV-NC_001477.1 GU---NNNNNNNCCCGCACAAACAAAA-CAGCAUAUUGA--CGCUGGGA--GAGACCAG 150
MBFV-NC_001475.2 GU---NNNNNNNCCCCGCAAAUAAAAA-CAGCAUAUUGA--CGCUGGGA--GAGACCAG 150
MBFV-NC_001474.2 GU---NNNNNNNCCCCGAAACAAAAAA-CAGCAUAUUGA--CGCUGGGA--AAGACCAG 150
MBFV-NC_002640.1 AUCAANNNNNNNNCCCCC--AACACAAA-AACAGCAUAUUGAGCUGGGGA--AAGACCAG 150
MBFV-NC_012533.1 UGGCCNNNNNNNNAUAAC-CAACAUA AAAA-CAGCAUAUUGACAC-CUGGGA--AAGACCGG 150
MBFV-NC_012532.1 -----NNNNNNNCCCCGAAAACGCAAAACAGCAUAUUGAGC--UGGGA--AAGACCAG 150
MBFV-NC_035889.1 -----NNNNNNN-CCCGGAAAACGCAAA-ACAGCAUAUUGAGCUGGGGA--AAGACCAG 150
MBFV-NC_012534.1 -----NNNNNNNAAC-ACCAAAACAAAA-CAGCAUAUUGACAC-CUGGGA--GAGACUAG 150
MBFV-NC_015843.2 -----NNNNNNNNGAA-CACCACAAGAAA-CAGCAUAUUGACAC-CUGGGA--UAGACUAG 150
MBFV-NC_009029.2 -----NNNNNNNNAGC-GCAAAACAAAAA-CAGCAUAUUGACAC-CUGGGA--AAGACUAG 150
MBFV-NC_032088.1 -----NNNNNNNNUAC-CGAAAAACAAAA-CAGCAUAUUGACAC-CUGGGA--UAGACUAG 150
MBFV-NC_007580.2 -----NNNNNNNCCGUUAACGCAAAACAA-CAGCAUAUUGACAC-CUGG--AAAGAC-AG 149
MBFV-NC_000943.1 -----NNNNNNNNAAAAGCAU-CAAACAA-CAGCAUAUUGACAC-CUGGGAAA-AGACUAG 151
MBFV-NC_001563.2 -----NNNNNNNNAACACCA-AAAGAAA-CAGCAUAUUGACAC-CUGGGA--UAGACUAG 150
MBFV-NC_009942.1 -----NNNNNNNNAACACCC-ACAAAAA-CAGCAUAUUGACAC-CUGGGA--UAGACUAG 150
MBFV-NC_006551.1 -----NNNNNNNNUAAGCAUC-AAAAAAA-CAGCAUAUUGACAC-CUGGGAAUUGACUAG 152
MBFV-NC_009026.2 -----NNNNNNNN-ACGCACCAAAAGAAA-CAGCAUAUUGACAC-CUGGGA--UAGACCGG 150
MBFV-NC_009028.2 -----NNNNNNNCAAGCGCGAA-ACAAA-CAGCAUAUUGAGCG-CUGGGA--AAGACCGG 150
MBFV-NC_040776.1 -----NNNNNNNN-AAGCGCAAAGACAAA-CAGCAUAUUGACAC-CUGGGA--AAGACCGG 150
MBFV-NC_034151.1 -----NNNNNNNNGAA-CGCAAAUAAAAA-CAGCAUAUUGACAC-CUGGGA--UAGACUG 150
MBFV-NC_001437.1 -----NNNNNNNN-----CAUAU--UGACAC-CUGGGA-AUAGACUGG 133
MBFV-NC_002031.1 GU---NNNNNNN-AGGGAACAAUAGUGGGACCAUAUUGAGCG-CAGGGA--AAGACCGG 151
MBFV-NC_012735.1 GA---NNNNNNNCCGAGCACACAUAGC-GGACCAUAUUGAGCG-CAGGGA--AAGACCGG 151
MBFV-NC_008719.1 CA---NNNNNNNCCGAGCAC-UAUAGC-GGACCAUAUUGAGCG-CUGGGA--AAGACCGG 150
TBFV-NC_001672.1 -----NNNNNNNN-----UAUACAAA-UUCC-CCCUGGAGAGGGGGGG 138
TBFV-NC_005062.1 -----NNNNNNNN-----UAUACCAA-UUCC-CCCUCUUCUGAGGGGGGG 138
TBFV-NC_027709.1 -----NNNNNNNNGAUUUUCCUCCUCCUAUACCAA-UUCC-CCCUCGACAGAGGGGGGG 153
TBFV-NC_001809.1 -----NNNNNNNNG-UUUUUCCUCCUCCUAUACCAA-UUCC-CCCUCGACAGGGGGGG 153
TBFV-NC_003690.1 -----NNNNNNNNGAUUUUCCUCCUCCUAUACCAA-UUCC-CCCUCGUCAGAGGGGGGG 153
TBFV-NC_003687.1 -----NNNNNNNN-AUUUUUCCGCCUCCUAUACUAAAUUCC-CCCAGGAAACUGGGGGGG 153
20.....130.....140.....150.....160.....170.....1



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MBFV-NC_001477.1 AGAUCCUGCUGUCUC-----UA 167
MBFV-NC_001475.2 AGAUCCUGCUGUCUC-----CU 167
MBFV-NC_001474.2 AGAUCCUGCUGUCUC-----CU 167
MBFV-NC_002640.1 AGAUCCUGCUGUCUC-----UG 167
MBFV-NC_012533.1 AGACUCUGUUGGCUU-----UC 167
MBFV-NC_012532.1 AGACUCCAUGAGUUU-----CC 167
MBFV-NC_035889.1 AGACUCCAUGAGUUU-----CC 167
MBFV-NC_012534.1 GAGACCCUCUGU-CC-----UAA 167
MBFV-NC_015843.2 GAGACCCUCUGU-CC-----UAA 167
MBFV-NC_009029.2 GGGAUUUGCUGC-UC-----UGG 167
MBFV-NC_032088.2 GAGAUCGCGUGC-UC-----UGG 167
MBFV-NC_007580.2 GAGAUCGCGUGC-UC-----UUC 167
MBFV-NC_000943.1 GAGAUCUUCUGC-UC-----UA- 167
MBFV-NC_001563.2 GGGAUUUGCUGC-UC-----UGC 167
MBFV-NC_009942.1 GAGAUCUUCUGC-UC-----UGC 167
MBFV-NC_006551.1 GAGAUCUUCUGC-UC-----U-- 167
MBFV-NC_009026.2 AGAAUUUGCUGC-CU-----CGC 167
MBFV-NC_009028.2 GAGAUCUUCUGC-UU-----UCC 167
MBFV-NC_040776.1 GAGACCCUCUGC-UC-----UGC 167
MBFV-NC_034151.1 GAGACCCUCUGCUUA-----U-U 167
MBFV-NC_001437.1 GAGAUCUUCUGCUCUAUCUCAACAUCAGCUACUA 167
MBFV-NC_002031.1 AGUGGUUCUGCUCU-----U-U 167
MBFV-NC_012735.1 AGACACUCCUUGAU-----UC- 167
TBFV-NC_008719.1 AGACACUCCUUGAU-----UG 167
TBFV-NC_001672.1 CGGUUCUUGUUCUCCU-----GAGCCACCAUCA 167
TBFV-NC_005062.1 CGGUUCUUGUUCUCCU-----GAGCCACCAUCA 167
TBFV-NC_027709.1 CGGUUCUUGUUCUC----- 167
TBFV-NC_001809.1 CGGUUCUUGUUCUC----- 167
TBFV-NC_003690.1 CGGUUCUUGUUCUC----- 167
TBFV-NC_003687.1 CGGUUCUUGUUCUC----- 167
80.....190.....200.....210..

