

MBFV-NC_002640.1 -----UGUUUGAAUAGAGAGCAGAU-CUCUGGAAAAAUG-----AA--CCAA 39
MBFV-NC_001477.1 -----AACAGUUUUUAUUAGAGAGCAG-AUCUCU---GAUGAAC-----AA--CCAA 42
MBFV-NC_001475.2 -----GACAGUUUUUAUUAGAGAGCAG-AUCUCU---GAUGAAC-----AA--CCAA 42
MBFV-NC_001474.2 -----ACAGUUUUUUAUUAGAGAGCAG-AUCUCU---GAUGAAU-----AA--CCAA 42
MBFV-NC_012533.1 -----GUGUUGAGAAAAAAGAAACAGAUUCUUCGGAAAAUGAAA-----AC--CCAA 42
MBFV-NC_012532.1 -----A-----UUUGGAUUUUGGAAACGAGAGUUUCUGGUCAUGAAA-----AACCCTAA 44
MBFV-NC_035889.1 -----U-----UUUGGAUUUGGAAACGAGAGUUUCUGGUCAUGAAA-----AA-CCCAA 43
MBFV-NC_009029.2 ACACAGUGUGAACAAGUUUUUUGAACAG-----CA-----AUG-----ACCAAAAA 41
MBFV-NC_032088.1 -----AGUGUGAACAAAGUUUUUUGAUCAUGUGGAU-----AUG-----ACUAAAAA 41
MBFV-NC_012534.1 -----AGUUUGAACGUUUUUUGGAGAGAGAUUU-----AUGUUU-----AACAAAAA 44
MBFV-NC_015843.2 -----AGUUUGAACGUUUUUUGGAUAGAGACAACU-----AUGUCU-----AACAAAAA 44
MBFV-NC_007580.2 -----GCGAACAGUUUUUUG-----CAGGGAAUUAACCC-AAUGU-----CUAAAAA 41
MBFV-NC_000943.1 -----U-----GAACAGUUUUUUGGAGCUUUUUGAUU-UCA-AAUGU-----CUAAAAA 41
MBFV-NC_006551.1 -----GCCG-GCAGUUUCUUUGAGC-GUUGAUU-UUC-AAUGU-----CUAAGAA 41
MBFV-NC_001563.2 -----UGCGAGCUGUUUCUUUGGCAC-GAAGA-U-CUC-GAUGU-----CUAAGAA 41
MBFV-NC_009942.1 -----UGCGAGCUGUUUCUUUGGCAC-GAAGA-U-CUC-GAUGU-----CUAAGAA 41
MBFV-NC_009026.2 -----UCGAGGAAA-----GACGAG-----AAGCGAAUUCUCUGAAUGG-----CUAGAAA 41
MBFV-NC_009028.2 -----UCUGAAUAGUUUUUUG-----CAAGGGAUUUCCC--AUGU-----CUAAAAA 41
MBFV-NC_040776.1 -----UCUGAAUAGUUUUUUG-----CAGAGGUACUACC--AUGU-----CUAAAAA 41
MBFV-NC_034151.1 -----U-----GAAUAGUUUUU-GAACAGAGGUGAAAAACC-AUGU-----CUAAAAA 41
MBFV-NC_001437.1 -----UUAACAGUUUUUUGAAGCGGAAGAUAAACC--AUG-----ACUAAAAA 41
dISFV-NC_040610.1 -----AAAGAGUCAAAAACUAGAAAUUUAAUU-UC--AAUGG-----UUAGACA 41
dISFV-NC_024017.1 -----UGAU-AGAGUUGACUAGAUAAACGAUUUAUC-----GAUG-----UGACUAA 41
dISFV-NC_017086.1 -----UGAAUAGGUUUUAUUGUGAAUCGAAAUACC-----GAUG-----GCGAAUAA 41
dISFV-NC_016997.1 -----CAUUAGAAUAGGUUUUGAAAGAGUUGAUUC--AAUGAGAUCAAUGGUCUUUCG 50
MBFV-NC_002031.1 -----UUG-----AGCGAUUAGCAGAGAACUGACCAGAACUGUC-----UGG 38
MBFV-NC_001563.1 -----AAGGAGUAGAGAAAAAG-GAGAUUCAUUC--CAAUGGCAACA--AAGGGGAU 47
MBFV-NC_008719.1 -----AAAGGGUAGAGAAAAAG-GAGUUUUGCUUC--UCAUGGCAACA--AGAGGAGC 47
dISFV-NC_027999.1 -----UUGUUUGAGAGAACAGCGAGAGUACUAC--U-AUGGUUGAG--AAAACUAG 47
.....10.....20.....30.....40.....50.....6



.....((((((((((((.....
MBFV-NC_002640.1 CGAAAAAAGG--UG--GUUAGA-CACCUUUCAAUAU-GCUGAAACGCGAGAGAAACCGCGU 95
MBFV-NC_001477.1 CGGAAAAAGA--CG--GGUCGA-CGUCUUUCAAUAU-GCUGAAACGCGCGAGAAACCGCGU 98
MBFV-NC_001475.2 CGGAAGAAGA--CG--GGAAAA-CGUCUAUCAAUAU-GCUGAAACGCGUGAGAAACCGGUGU 98
MBFV-NC_001474.2 CGGAAAAAGG--CG--AAAAACACGCCUUUCAAUAU-GCUGAAACGCGAGAGAAACCGCGU 98
MBFV-NC_012533.1 ---AAAAGGG--CC--GCAUCC-GGCCUAUCAAUAU-GCUGAAGCGCUUUGGAUCUAGCGC 95
MBFV-NC_012532.1 AGAAGAAAUC--CGGAGGA-UCGGAUUGUCAUAU-GCUAAAACGCGGAGUAGCCCCGUG- 100
MBFV-NC_035889.1 AAAAGAAAUC--CGGAGGAUUC-GGAUUGUCAUAU-GCUAAAACGCGGAGUAGCCCCGUG- 100
MBFV-NC_009029.2 ACCAGGAAGGCCCGGUAGAAAU-GGGCCGUCAAUAU-GCUAAAGCGCGUGCGUCCCCGCG- 100
MBFV-NC_032088.1 ACCAGGAAGUCCGCGCAUUCGU-GGACUGUCAUAU-GCUAAAGCGCGGAGCAUCCCCGCG- 100
MBFV-NC_012534.1 ACCAGGAAGAACCCGGGGCAACC-GGGUUGUCAUAU-GCUAAAGCGCGGUGCAUCCC- 100
MBFV-NC_015843.2 ACCAGGAAGACCCGCGUCAGGC-GGGUUGUCAUAU-GCUAAAGCGCGGAACGUC- 100
MBFV-NC_007580.2 ACCAGGAAGAACCCGGUAGAAAC-GGGUUGUCAUAU-GCUAAAACGCGGCGUAUCCCCGCG- 100
MBFV-NC_000943.1 ACCAGGAGGACCCGGGAAGCCC-GGGUCGUCAAUAU-GCUAAAACGCGGCAUACCCCGCG- 100
MBFV-NC_006551.1 ACCAGGAGGGCCCCGGAAGAAC-GGGCCAUCAAUAU-GCUGAAACGCGGCAUACCCCGCG- 100
MBFV-NC_001563.2 ACCAGGAGGGCCCCGUAAGAAAC-GGGCUGUCAUAU-GCUAAAACGCGGUUAGCCCCGCG- 100
MBFV-NC_009942.1 ACCAGGAGGGCCCCGGAAGAGC-GGGCUGUCAUAU-GCUAAAACGCGGAUUGCCCCGCG- 100
MBFV-NC_009026.2 ACCAGGAAGACCCGGAGGAAAC-GGGUCGUCAAUAU-GCUAAAGCGUACGGCGGCCAACG- 100
MBFV-NC_009028.2 ACCAGGAAGUCCGCGUCAGAG-GGACUGUCAUAU-GCUAAAACGCGUGGCUAGCGUGU- 100
MBFV-NC_040776.1 ACCAGGAGGACCCGCCGGAAGG-GGGUUGUCAUAU-GCUGAAACGCCCAGCCAGCGUUU- 100
MBFV-NC_034151.1 ACCAGGAGGACCCGGGAAGAAC-GGGUCGUUAAUAU-GCUGAAGCGCACAUCCCCGCGUA- 100
MBFV-NC_001437.1 ACCAGGAGGGCCCGUAAAAAC-GGGCUAUCAAUAU-GCUGAAACGCGGCCUACCCCGCG- 100
dISFV-NC_040610.1 ACUUGGAAAGACCGUUGCAAGA-GGUCUGUCAUAU-GCGAAACGCGGAUUAACCCCGCU- 100
dISFV-NC_024017.1 AUAAGAAAGCCCCGCCGCAAG-GGGCUGUUAUAU-GCUAACACGCAUACCAAGCGUG- 100
dISFV-NC_017086.1 ACCCAAGAGCCCGGAAGA---GGGCUAUCGAUAU-AGUGAGACGUGCGUUGCCUCGCGU- 98
dISFV-NC_016997.1 AGCUAAGAGCCCCGUUAAA---CGGGCUGUCAUAU-AUAAAACGCUAAGCUGC----- 100
MBFV-NC_002031.1 UCGUAAAGCUCAGGGAAGAAC-UGGGCGUCAUAU-GGUACGACGAGGAGUUCGCUCCUU 98
MBFV-NC_012735.1 GAAUAAGUCUCGGGUCGAUCC-GAGGCGUCAUAU-GGUAG--CGGCUAGAGU----- 98
MBFV-NC_008719.1 AAGCAAGUCUCGGG-UC-ACGA-CCGGGCGUCAU-AUGGUGACGCGCAAGGC----- 98
dISFV-NC_027999.1 AGUAGGAUCUCGGGUUAAAAAC-GAGGUGUCAUAU-GAUUAGGCG--UACUGG----- 98
0.....70.....80.....90.....100.....110.....1



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MBFV-NC_002640.1 AUCAANNNNNNNCCCCC--AACACAA--AACAGCAUAUUGACGCGGGA--AAGACCAG 150
MBFV-NC_001477.1 GU---NNNNNNNCCCCCGCACAAACAAA-CAGCAUAUUGA--CGCUGGGA--GAGACCAG 150
MBFV-NC_001475.2 GU---NNNNNNNCCCCCGCAAAUAAAAA-CAGCAUAUUGA--CGCUGGGA--GAGACCAG 150
MBFV-NC_001474.2 GU---NNNNNNNCCCCCGAAACAAAAA-CAGCAUAUUGA--CGCUGGGA--AAGACCAG 150
MBFV-NC_012533.1 UGGCCNNNNNNNAUAAAC-CAACAUAUAA-CAGCAUAUUGACAC-CUGGGA--AAGACCGG 150
MBFV-NC_012532.1 -----NNNNNNNCCCCGGAAAAACGCAAAACAGCAUAUUGACG--UGGGA--AAGACCAG 150
MBFV-NC_035889.1 -----NNNNNNN-CCCGAAAAACGCAAA--ACAGCAUAUUGACGCU--GGA--AAGACCAG 150
MBFV-NC_009029.2 -----NNNNNNNAGC-GCAACACAAAA-CAGCAUAUUGACAC-CUGGGA--AAGACUAG 150
MBFV-NC_032088.1 -----NNNNNNNUAC-CGCAAAACAAAA-CAGCAUAUUGACAC-CUGGGA--UAGACUAG 150
MBFV-NC_012534.1 -----NNNNNNNAAC-ACCAAAACAAAA-CAGCAUAUUGACAC-CUGGGA--GAGACUAG 150
MBFV-NC_015843.2 -----NNNNNNNGAA-CACCACAAGAAA-CAGCAUAUUGACAC-CUGGGA--UAGACUAG 150
MBFV-NC_007580.2 -----NNNNNNNCCGUUAACGCAACAA-CAGCAUAUUGACAC-CUGG--AAAGAC-AG 149
MBFV-NC_000943.1 -----NNNNNNNAAGCAU-CAACAAA-CAGCAUAUUGACAC-CUGGAAA-AGACUAG 151
MBFV-NC_006551.1 -----NNNNNNNUAAGCAUC-AAAAAAA-CAGCAUAUUGACAC-CUGGGAAUUGACUAG 152
MBFV-NC_001563.2 -----NNNNNNNAAACACCA-AAAGAAA-CAGCAUAUUGACAC-CUGGGA--UAGACUAG 150
MBFV-NC_009942.1 -----NNNNNNNAACACCAC-AACAAAA-CAGCAUAUUGACAC-CUGGGA--UAGACUAG 150
MBFV-NC_009026.2 -----NNNNNNN-ACGCACCAAAAGAAA-CAGCAUAUUGACAC-CUGGGA--UAGACCGG 150
MBFV-NC_009028.2 -----NNNNNNNCAAGCGCGGAA-ACAAA-CAGCAUAUUGACGC-CUGGGA--AAGACCGG 150
MBFV-NC_040776.1 -----NNNNNNN-AAGCGCAAAGACAAA-CAGCAUAUUGACAC-CUGGGA--AAGACCGG 150
MBFV-NC_034151.1 -----NNNNNNNGAA-CGCAAAUAAAA-CAGCAUAUUGACAC-CUGGGA--UAGACUGG 150
MBFV-NC_001437.1 -----NNNNNNN-----CAUAU--UGACAC-CUGGGA-AUAGACUGG 133
dISFV-NC_040610.1 -----NNNNNNNCUCAUUAUUUAUUA-CAGCAUAUUGACACCAGG-A--UAGACCGG 151
dISFV-NC_024017.1 -----NNNNNNNCUGCUGAGAG-CAAAA-UAGCAUAUUGACACUUGGAA--GAGACCAG 151
dISFV-NC_017086.1 CU---NNNNNNNCCC--AAAAUUGAAGGGCACUAUAUCGACACUUGGAA--AGACCAG 150
dISFV-NC_016997.1 -----NNNNNNNCAA--AAAUUGAUAGGCUAUUAUAGCAGACCUAGGAA--AGACUGG 150
MBFV-NC_002031.1 GU---NNNNNNNNA-GGAACAAAUAGUGGGACCAUAUUGACGCCAGG-A--AAGACCGG 151
MBFV-NC_012735.1 GA---NNNNNNNC-CGAGCACACAUAGCGGACCAUAUUGACGCCAGG-A--AAGACCGG 151
MBFV-NC_008719.1 CA---NNNNNNN-CGAGCAC-UAUAGCGGACCAUAUUGACGCCUGG-A--AAGACCGG 150
dISFV-NC_027999.1 AA---NNNNNNN-C-AUUGGAAAUUAGCUUCAUAUUGACACCAGGAA--AAGACCGG 151
20.....130.....140.....150.....160.....170.....1



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MBFV-NC_002640.1 AGAUCCUGCUGUCUC-----UG 167
MBFV-NC_001477.1 AGAUCCUGCUGUCUC-----UA 167
MBFV-NC_001475.2 AGAUCCUGCUGUCUC-----CU 167
MBFV-NC_001474.2 AGAUCCUGCUGUCUC-----CU 167
MBFV-NC_012533.1 AGACUCUGUUGGCUU-----UC 167
MBFV-NC_012532.1 AGACUCCAUGAGUUU-----CC 167
MBFV-NC_035889.1 AGACUCCAUGAGUUU-----CC 167
MBFV-NC_009029.2 GGGAUUUGCUGC-UC-----UGG 167
MBFV-NC_032088.1 GAGAUCGCGUGC-UC-----UGG 167
MBFV-NC_012534.1 GAGACCCUCUGU-CC-----UAA 167
MBFV-NC_015843.2 GAGACCCUCUGU-CC-----UAA 167
MBFV-NC_007580.2 GAGAUCUUUGCUGU-----UUC 167
MBFV-NC_000943.1 GAGAUCUUUGCUG-UC-----UA- 167
MBFV-NC_006551.1 GAGAUCUUUGCUG-UC-----U- 167
MBFV-NC_001563.2 GGGAUUUUGCUG-UC-----UGC 167
MBFV-NC_009942.1 GAGAUCUUUGCUG-UC-----UGC 167
MBFV-NC_009026.2 AGAAUUUGCUGC-CU-----CGC 167
MBFV-NC_009028.2 GAGAUCUUUGCUG-UU-----UCC 167
MBFV-NC_040776.1 GAGACCCUCUGC-UC-----UGC 167
MBFV-NC_034151.1 GAGACCCUCUGCUA-----U-U 167
MBFV-NC_001437.1 GAGAUCUUUGCUGCUAUCUACAUCAGCUACUA 167
dISFV-NC_040610.1 AGAAAUACACAAUUU-----C 167
dISFV-NC_024017.1 AGAUUGAUGUUGUU-----U 167
dISFV-NC_017086.1 AGGUACUUGCUGAUU-----CA 167
dISFV-NC_016997.1 AGAUACUUUGGUU-----UU 167
MBFV-NC_002031.1 AGUGGUUCUCUGCUU-----U 167
MBFV-NC_012735.1 AGACACUCCUUGAUU-----C- 167
MBFV-NC_008719.1 AGACACUCCUUGAUU-----CU 167
dISFV-NC_027999.1 AGAAACUUCUUGCUU-----A 167
80.....190.....200.....210..

