

MBFV-NC_012532.1 ----AUUUGGAUUUGGAAACGAGAG-UUUCUGGUCAUGAAAAACCCCAAAGAAGAAAU-- 53
MBFV-NC_035889.1 ----UUUUGGAUUUGGAAACGAGAG-UUUCUGGUCAUGAAAAA-CCCAAAAAAGAAAU-- 52
MBFV-NC_012533.1 ----GUGUUGAGAAAAGAAAAACAGAU-UUCUUCGGAAAUGAAAA--CCCAAAAAAGG-- 48
MBFV-NC_002640.1 ----UGUUUGAAUAGAGAGCAGAUUCUCUGGAAAAAUG---AA--CCAACGAAAAAAG-- 48
MBFV-NC_001474.2 ACAGUUUUUUAAUUAGAGAGCAGAUUCUCUG-----AUGAAUAA--CCAACGGAAAAAAG-- 51
MBFV-NC_001477.1 AACAGUUUUUUAAUUAGAGAGCAGAUUCUCUG-----AUGAACAA--CCAACGGAAAAAAG-- 51
MBFV-NC_001475.2 GACAGUUUUUUAAUUAGAGAGCAGAUUCUCUG-----AUGAACAA--CCAACGGAAAGAAG-- 51
MBFV-NC_009028.2 UCUGAAUAGUUUUUU-AGCAAGGGGA-UUUC---CCAUGUCU---AAAAAACCCAGGAAAGU 52
MBFV-NC_040776.1 UCUGAAUAGUUUUUU-AGCAGAGGU-ACUA---CCAUGUCU---AAAAAACCCAGGAGGAC 52
MBFV-NC_034151.1 --UGAAUAGUUUUUUUGAACAGAGGUGAAAA---CCAUGUCU---AAAAAACCCAGGAGGAC 52
MBFV-NC_006551.1 -GCCGGCAGUUUCUUUGAGCGUUGAUUUUUA---AUGUCU---AAGAAACCAGGAGGGGC 52
MBFV-NC_009029.2 -ACACAGUGUGAAACAAGUUUUUGAACACGCA---AUGACC---AAAAAACCCAGGAAGGC 52
MBFV-NC_001563.2 UGCGAGCUGUUUCUUGGCACGAAGAUUC-UCG---AUGUCU---AAGAAACCAGGAGGGC 52
MBFV-NC_009942.1 UGCGAGCUGUUUCUUGGCACGAAGAUUC-UCG---AUGUCU---AAGAAACCAGGAGGGC 52
MBFV-NC_032088.1 AG-----UGUGAACAAAGUUUUUUUGAUCUAGUGGAUAAUGACU---AAAAAACCCAGGAAAGU 52
MBFV-NC_012534.1 AGUUUGAACCGUUUUUUUGGAGAGAGAUAAUU-----AUGUUUAACAAAAAACCCAGGAAAAAC 55
MBFV-NC_015843.2 AGUUUGAACCGUUUUUUUGGAGAGAGCAACU-----AUGUCUAAACAAAAAACCCAGGAAGAC 55
MBFV-NC_000943.1 -UGAACAGUUUUUUUGGAGCUUUUGAUU-UC---AAAUGUCU---AAAAAACCCAGGAGGAC 52
MBFV-NC_007580.2 GCGAACAGUUUUUU--AGCAGGGAAUUACC---CAAUGUCU---AAAAAACCCAGGAAAAAC 52
MBFV-NC_009026.2 UCGAGGAAAGACGAGAGAGCGAAUUCUCUG---AAUGGCU---AGAAAACCAGGAAGAC 52
MBFV-NC_001437.1 UUAACAGUUUUUUAGAACCGGAAGAUAAACC-----AUGACU---AAAAAACCCAGGAGGGC 52
dISFV-NC_024017.1 UGAU-AGAGUUGACUAGAUAAACGAAUUUACG---AUGGUG---ACUAAAUCAAGAAAGC 52
dISFV-NC_040610.1 AAAGAAGUCAAAACUAGAAAUUUUAUU-UCA---AUGGUU---AGACAACUUGGAAAGA 52
dISFV-NC_017086.1 UGAAUAGGUUUAAUUGUGAAUCCGAAUACCG-----AUGGCGA--AUAAACCCAAGAAGCC 53
dISFV-NC_016997.1 -----CAUUAGAAUAGGUUUUGAAAGAGUUGAAUCAUUGAGAUCAAUGGUCUUUCGAGCUA 55
MBFV-NC_008719.1 -----AAAGGGUAGAGAAAAAGGAGUUUUGCUUCUCAUGGCAACAAGAGGAGCAAGCAAGU 55
MBFV-NC_012735.1 -----AAGGAGUAGAGAAAGAGAGAUUCUCCCAUUGGCAACAAAGGGGAUGAAUAAAGU 55
MBFV-NC_002031.1 -----UUGAGCGAUUAGCAGAGAACUGACCAGAACAUGUC-----UGGUCGUAAAG 46
dISFV-NC_027999.1 UUGUUUGAGAGAACAGCGGAGAAGUACUACU-----AUGGUUGAGAAAACUAGAGUAGGAU 55
.....10.....20.....30.....40.....50.....6



(....((.....((((((((((((((((.....
MBFV-NC_012532.1 CC---GGAGGA-UCCGGAUUCUCAAUAUGC UAAAAACGCGGAGUAGCCCCGUG-----NNN 103
MBFV-NC_035889.1 CC---GGAGGAUUCGGAUUCUCAAUAUGC UAAAAACGCGGAGUAGCCCCGUG-----NNN 103
MBFV-NC_012533.1 ----CCCGCAUCGCGGCCUAUCAAUAUGC UGAAAGCGCUUUGGAUCUAGCGCUGGCCNNN 103
MBFV-NC_002640.1 GU---G--GUUAGACCACCUUCAAUAUGC UGAAACGCGAGAGAAACCGCGUACANNN 103
MBFV-NC_001474.2 GC---G--AAAAACACGCCUUCAAUAUGC UGAAACGCGAGAGAAACCGCGUGU---NNN 103
MBFV-NC_001477.1 AC---G--GGUCGACCGUCUUCAAUAUGC UGAAACGCGCGAGAAACCGCGUGU---NNN 103
MBFV-NC_001475.2 AC---G--GGAACACCGUCUAUCAAUAUGC UGAAACGCGUGAGAAACCGUGUGU---NNN 103
MBFV-NC_009028.2 CC---CGUGCAACGCGGACUGCAAUAUGC UAAAAACGCGUGGCUAGCGUGU---NNN 103
MBFV-NC_040776.1 CC---GCCGGAAGGCGGGUUGCAAUAUGC UGAAACGCCCAGCCAGCGUUU-----NNN 103
MBFV-NC_034151.1 CC---GGAAAGAACC GGCGUCAAUAUGC UGAAAGCGCAUCCCGCGCUA-----NNN 103
MBFV-NC_006551.1 CC---GGAAGAAACC GGCGCAUCAAUAUGC UGAAACGCGGCAUACCCCGCG---NNN 103
MBFV-NC_009029.2 CC---GGUAGAAAUC GGCGCCUCAAUAUGC UAAAGCGCGGUGCGUCCCGCG---NNN 103
MBFV-NC_001563.2 CC---GGUAAAAACC GGCGCUGCAAUAUGC UAAAAACGCGGUUAGCCCGCG---NNN 103
MBFV-NC_009942.1 CC---GGCAAGAGCC GGCGCUGCAAUAUGC UAAAAACGCGGAUUGCCCGCG---NNN 103
MBFV-NC_032088.1 CC---GGCAUACGUC GGCGCUGCAAUAUGC UAAAGCGCGGAGCAUCCCGCG---NNN 103
MBFV-NC_012534.1 CC---GGGGCAACCC GGGUUUGCAAUAUGC UAAAGCGCGGUGCAUCCC-----NNN 103
MBFV-NC_015843.2 CC---GGCUCAGGCG GGGUUUGCAAUAUGC UAAAGCGCGGAACGUCCC-----NNN 103
MBFV-NC_000943.1 CC---GGGAAGCCCC GGCGUCAAUAUGC UAAAAACGCGGCAUACCCCGCG---NNN 103
MBFV-NC_007580.2 CC---GGUAGAAAACC GGGUUUGCAAUAUGC UAAAAACGCGGCGUAUCCCGCG---NNN 103
MBFV-NC_009026.2 CC---GGAGGAAACC GGCGUCAAUAUGC UAAAGCGGUACGGCGGCCAACG---NNN 103
MBFV-NC_001437.1 CC---GGUAAAAACC GGCGCUAUAUAUGC UGAAACGCGGCCUACCCCGCG---NNN 103
dISFV-NC_024017.1 CC---CCCGCAAAGC GGCGUUAUAUAUGC UUAACACGCAUACCAAGCGUG---NNN 103
dISFV-NC_040610.1 CC---GUUGCAAGAC GGUCUGCAAUAUGC GAAAGCGGAUUUACCACCCGCU---NNN 103
dISFV-NC_017086.1 CG---G--AAGACGGGCUUUGCAAUAUG UGAGACGUGCGUUGCCUCGCGUCU---NNN 103
dISFV-NC_016997.1 GGAGGCCCGUUAACCGGGCCUUGCAAUAUAUUAUUAAGC---UGC---NNN 103
MBFV-NC_008719.1 CUCGGGUCACGACCCGGGGCGUCAAUAUGGUGACGGCCAAGG-----CCA---NNN 103
MBFV-NC_012735.1 CUCGGGUCUGAAUCCCGAGGCGUCAAUAUGGUAGCGGCUAGAG-----UGA---NNN 103
MBFV-NC_002031.1 CUCAGGGAAACCCUGGGCGUCAAUAUGGUACGACGAGGUUUGCUCCUUGU---NNN 103
dISFV-NC_027999.1 CUCGGGUUAAAAACCCGAGGUGUCAAUAUGAUUAGGCGUACUGGAA-----NNN 103
0.....70.....80.....90.....100.....110.....1



.....)))))))))))))).....)).....)).....
MBFV-NC_012532.1 NNNNCCCCGGAAAAACGCA-AAACAGCAUAUUGACG--UGGGAA--AGACCAGAGACUCC 157
MBFV-NC_035889.1 NNNN-CCCAGAAAACGCA-AAACAGCAUAUUGACG--CUGGGAA--AGACCAGAGACUCC 157
MBFV-NC_012533.1 NNNNA--UAACCAACAUA-AAACAGCAUAUUGACAC-CUGGGAA--AGACCGGAGACUCU 157
MBFV-NC_002640.1 NNNNCCCCCAACACA-A-AAACAGCAUAUUGACG--CUGGGAA--AGACCAGAGAUCCU 157
MBFV-NC_001474.2 NNNNCCCCGAAACAA-A-AAACAGCAUAUUGACG--CUGGGAA--AGACCAGAGAUCCU 157
MBFV-NC_001477.1 NNNNCCCGCAACAA-A-AAACAGCAUAUUGACG--CUGGGAG--AGACCAGAGAUCCU 157
MBFV-NC_001475.2 NNNNCCCGCGCAAAUA-A-AAACAGCAUAUUGACG--CUGGGAG--AGACCAGAGAUCCU 157
MBFV-NC_009028.2 NNNNCA--AGCGGAA-ACAAACAGCAUAUUGACG-CUGGGA--AAGACCGGGAGAUCC 157
MBFV-NC_040776.1 NNNN-A--AGCGCAAGACAAACAGCAUAUUGACAC-CUGGGA--AAGACCGGAGACCC 157
MBFV-NC_034151.1 NNNNGA--A-CGCAAAUAAAAACAGCAUAUUGACAC-CUGGGA--UAGACUGGGAGACCC 157
MBFV-NC_006551.1 NNNNUA--AGCAUCAAAA-AAACAGCAUAUUGACAC-CUGGGAAUUGACUAGGAGAUUC 159
MBFV-NC_009029.2 NNNNAG--CGCAAACACA-AAACAGCAUAUUGACAC-CUGGGAA--AGACUAGGGGAUUU 157
MBFV-NC_001563.2 NNNNAA--ACACCAAAAG-AAACAGCAUAUUGACAC-CUGGGA--UAGACUAGGGGAUUU 157
MBFV-NC_009942.1 NNNNAA--CACCACAACA-AAACAGCAUAUUGACAC-CUGGGA--UAGACUAGGAGAUUC 157
MBFV-NC_032088.1 NNNNUA--CCGCAAAACA-AAACAGCAUAUUGACAC-CUGGGA--UAGACUAGGAGAUCC 157
MBFV-NC_012534.1 NNNNAA--CACCAAAACA-AAACAGCAUAUUGACAC-CUGGGA--GAGACUAGGAGACCC 157
MBFV-NC_015843.2 NNNNGA--ACACCACAAG-AAACAGCAUAUUGACAC-CUGGGA--UAGACUAGGAGACCC 157
MBFV-NC_000943.1 NNNNAA--AAGCAUCAAAACAGCAUAUUGACAC-CUGGGAA-AAGACUAGGAGAUUC 158
MBFV-NC_007580.2 NNNNCCGUUAACGCAAAAC--AACAGCAUAUUGACAC-CUGG--A-AAGAC-AGGAGAUCC 156
MBFV-NC_009026.2 NNNNAA--CGCAACAAAAGAAACAGCAUAUUGACAC-CUGGGA--UAGACCGGAGAAUUU 157
MBFV-NC_001437.1 NNNN-----CAUAUUGACAC-CUGGGAA-UAGACUGGGAGAUUC 140
dISFV-NC_024017.1 NNNNC--UGCUGAGAG--CAAAAUAGCAUAUUGACACUUGGGAAGAGACCAG-AGAAU 157
dISFV-NC_040610.1 NNNNC--UCAUUUAUUUAUUAACAGCAUAUUGACAC--CAGGGAUAGACCGG-AGAAU 157
dISFV-NC_017086.1 NNNNC--CAA AAAAUGAAGGGCACUAUAUCGACACUUGGGAA--AGACCAGAGGUACU 157
dISFV-NC_016997.1 NNNN-C-AAAAAUGUAUAG-GCUAUUAUACCGACACCUAGGAA--AGACUGGAGAUACC 157
MBFV-NC_008719.1 NNNNCC-GAGCAC-UAUAG-CGGACCAUAUUGACCGCCUGGGAA--AGACGGGAGACACU 157
MBFV-NC_012735.1 NNNNCC-GAGCACCAUAG-CGGACCAUAUUGACCGCCAGGGAA--AGACCGGAGACACU 158
MBFV-NC_002031.1 NNNNA--GGGAACAAUAGUGGGACCAUAUUGACCGCCAGGGAA--AGACCGGAGUGGUU 158
dISFV-NC_027999.1 NNNNCCAUUGGAAAUUU--AGCUUCAUAUUGACACCAGGGAAA--AGACCGGAGAAACU 158
20.....130.....140.....150.....160.....170.....1



.....
MBFV-NC_012532.1 AUGAGUUUCC----- 167
MBFV-NC_035889.1 AUGAGUUUCC----- 167
MBFV-NC_012533.1 GUUGGCUUUC----- 167
MBFV-NC_002640.1 GCUGUCUCUG----- 167
MBFV-NC_001474.2 GCUGUCUCCU----- 167
MBFV-NC_001477.1 GCUGUCUCU----- 167
MBFV-NC_001475.2 GCUGUCUCU----- 167
MBFV-NC_009028.2 UCUGCUUUC-C----- 167
MBFV-NC_040776.1 UCUGCUCUG-C----- 167
MBFV-NC_034151.1 UCUGCUUAU-U----- 167
MBFV-NC_006551.1 UCUGCUCU----- 167
MBFV-NC_009029.2 GCUGCUCUG-G----- 167
MBFV-NC_001563.2 UCUGCUCUG-C----- 167
MBFV-NC_009942.1 UCUGCUCUG-C----- 167
MBFV-NC_032088.1 GCUGCUCUG-G----- 167
MBFV-NC_012534.1 UCUGUCCUA-A----- 167
MBFV-NC_015843.2 UCUGUCCUA-A----- 167
MBFV-NC_000943.1 UCUGCUCU----- 167
MBFV-NC_007580.2 CCUGCUUUUUC----- 167
MBFV-NC_009026.2 GCUGC-CUCG----- 167
MBFV-NC_001437.1 UCUGCUCUCAUCAACAGCAGCUACUA 167
dISFV-NC_024017.1 GAUGUUGUUU----- 167
dISFV-NC_040610.1 ACACAAUUUC----- 167
dISFV-NC_017086.1 CGCAGAUUC-----A 167
dISFV-NC_016997.1 UUUGGUUCUU----- 167
MBFV-NC_008719.1 CCUUGAUUC----- 167
MBFV-NC_012735.1 CCUUGAUUC----- 167
MBFV-NC_002031.1 CUCUGCUU-U----- 167
dISFV-NC_027999.1 UCUUGCUUA----- 167
80.....190.....200.....

