

dISFV-NC_024017.1 U-----CGCGCAUUUUGAU-AGAGUUGACUAGAUAAACGAAUUAUC-----GAUGGUG- 46
dISFV-NC_040610.1 G-----AACAAUUUUAAAGAAGUCAAAACUAGAAAUUUAAUU-UC-----AAUGGUU- 46
MBFV-NC_012534.1 CC-----GUAACACACAGUUUGAACCGUUUUUUGGAGA-GAG---AUUAU-----UAUGUUU- 46
MBFV-NC_015843.2 AC-----GUAACACACAGUUUGAACCGUUUUUUGGAUA-GAG---ACAAC-----UAUGUCU- 46
MBFV-NC_009028.2 U-----UUAACACACAGUCUGAAUAGUUUUUUAGCA-AGGGA-UUUCC-----CAUGUCU- 46
MBFV-NC_040776.1 U-----UUAACACACAGUUUGAACCGUUUUUUGGAGA-GAGGU-ACUAC-----CAUGUCU- 46
MBFV-NC_001563.2 A-----UUAACACACAGUGCGGAGCUGUUUCUUGGCACGAAGA-UCUC-----GAUGUCU- 46
MBFV-NC_009942.1 A-----UUAACACACAGUGCGGAGCUGUUUCUUGGCACGAAGA-UCUC-----GAUGUCU- 46
MBFV-NC_034151.1 -----UUAACACACAGUGGAAUAGUUUUUUGAACAGAGUGGAAAC-----CAUGUCU- 46
MBFV-NC_007580.2 -----UAACUUGACUGCGGAACAGUUUUUUAGCA-GGGAAUUACCC-----AAUGUCU- 46
MBFV-NC_000943.1 -----UAACCGCGUUUGAACAGUUUUUUGGAGCUUUUGAUUUCA-----AAUGUCU- 46
MBFV-NC_006551.1 -----UUAACACACAGUGCCCGCAGUUUCUUUGAGC-GUUGAUUUUC-----AAUGUCU- 46
MBFV-NC_001437.1 -----UUAGUGCAGUUUAAACAGUUUUUUGAACGGAAGAUAAACC-----AUGACU- 46
MBFV-NC_009026.2 -----AGAAAAGUUUUCGAGGAAAGACGAGAAGCGAAUUCUCUG---AAUGGCU- 46
MBFV-NC_009029.2 UGAUUACAUAACACAGUGUGAACAAGUUUUUUUGAACAG-----C-----AAUGACC- 46
MBFV-NC_032088.1 UC-----UAUAACUCACAGUGUGAACAAGUUUUUUGAUCAGUGGAU-----AAUGACU- 46
MBFV-NC_012532.1 AA-----CAGGUUUU-----AUUUGGAUUUGGAAACGAGAGUUUCUGG--UCAUGAAA- 46
MBFV-NC_035889.1 AC-----AGGUUUUU-----UUUUGGAUUUGGAAACGAGAGUUUCUGG--UCAUGAAA- 46
MBFV-NC_012533.1 AA-----CAGUUUUU-----GUGUUGAGAAAAGAAAACAGAUUCUUCGG--AAAUGAAA- 46
MBFV-NC_002640.1 -----UUUAACAGUUUUGUUUGAAUAGAGAGCAG-AUCUCUGGAAAAAUG--- 43
MBFV-NC_001474.2 -C-----GUAGUUCUAACAGUUU-UUUAAUUAGAGAGCAG-AUCUCUG-----AUGAAU- 46
MBFV-NC_001477.1 AC-----GUAGUUCUAACAGUUU-UUU-AUUAGAGAGCAG-AUCUCUG-----AUGAAC- 46
MBFV-NC_001475.2 AC-----GUAGUGCUCAGAGUUU-UUU-AUUAGAGAGCAG-AUCUCUG-----AUGAAC- 46
dISFV-NC_017086.1 A-----UUAACACGUUUGAAUAGGUUUUAUUGUG-AAUCGAAAUACCG-----AUG--- 43
dISFV-NC_016997.1 A-----AACAUAAACGCAUUGAAUAGGUUUUGAAAGAGUUGAAUCA-----AUGAGAU 47
dISFV-NC_027999.1 G-----GAUUAUUUGUUGUUUGAGAGAAACAGCGAGAAGUACUACU-----AUGGUUG 47
MBFV-NC_008719.1 A-----UUUCUACUGAAGAGGCUAGAGA--A--AAGGAGUUUUGCUUC--UCAUGGCAA 47
MBFV-NC_012735.1 -----UUUCUACUG-AAAGGAGUAGA--AGAAAGGAGAUUCAUUC--CAAUGGCAA 47
MBFV-NC_002031.1 -----UAAUCGUUCGUGAGGCGAUUAGCAGAGAGAACUAGACCAGA--ACAUGUC-- 45
MBFV-NC_018705.3 CC-----GUAACACAGUUUGAAC-GUUUUUUGGAGAGAGACUACU-----AUGUCA- 46
.....10.....20.....30.....40.....50.....6



dISFV-NC_024017.1 --A--CUAAAUCAAGAAAGCCCCGCCGCAAAGCGGGCUGUAAAUAGCUAACACGCAUCA 101
dISFV-NC_040610.1 --A--GACAACUUGGAAAGACCCGUUGCAAGACCGGUCUGUCAAUUUGGAAAGCGGAUUA 101
MBFV-NC_012534.1 --A--AACAAAAACAGGAAACCCCGGGCAACCCGGGUUGUCAAUUUGCUAAAAGCGCGGUG 104
MBFV-NC_015843.2 --A--AACAAAAAACAGGAAAGACCCCGGCUCAGGCGCGGUUGUCAAUUUGCUAAAAGCGCGGAA 104
MBFV-NC_009028.2 --A--AAAAACCAGGAAAGUCCGCGUGCAAAGCGGACUGUCAAUUUGCUAAAACGCCUGG 101
MBFV-NC_040776.1 --A--AAAAACCAGGAGGACCCCGCGGAAGCGGGUUGUCAAUUUGCUGAAACGCCAG 101
MBFV-NC_001563.2 --A--AGAAACCAGGAGGCGCGGUAAAAACCGGGCUGUCAAUUUGCUAAAACGCGGUA 101
MBFV-NC_009942.1 --A--AGAAACCAGGAGGCGCGCAAGAGCCGGGCUUGUCAAUUUGCUAAAACGCGGAA 101
MBFV-NC_034151.1 --A--AAAAACCAGGAGGACCCGGAAGAACCCGGGUCGUAAUUGCUGAAGCGCACAU 101
MBFV-NC_007580.2 --A--AAAAACCAGGAAACCCCGGUAGAAACCGGGUUGUCAAUUUGCUAAAACGCGGCG 101
MBFV-NC_000943.1 --A--AAAAACCAGGAGGACCCCGGAAGCCCCGGGUCGUCAAUUGCUGAAAACGCGGCA 101
MBFV-NC_006551.1 --A--AGAAACCAGGAGGCGCGGAAGAAACCGGGCCAUAUAUUGCUGAAACGCGGCA 101
MBFV-NC_001437.1 --A--AAAAACCAGGAGGCGCGGUAAAAACCGGGCUAUAUAUUGCUGAAACGCGGCC 101
MBFV-NC_009026.2 --A--GAAACACAGGAGGCGCGGAGGAAACCGGGUCGUCAAUUGCUGAAAGCGCACAU 101
MBFV-NC_009029.2 --A--AAAAACCAGGAAGCGCGGUAGAAUCCGGGCCGUCAAUUGCUGAAAGCGCGGUG 101
MBFV-NC_032088.1 --A--AAAAACCAGGAAAGUCCGCGCAAUCGUCGGACUGUCAAUUUGCUGAAAGCGCGGAG 101
MBFV-NC_012532.1 --A--ACCCCAAAGAAGAAAUCCCGGAGGA-UCCGGAUUGUCAAUUUGCUAAAACGC---G 98
MBFV-NC_035889.1 --A--A-CCCAAAAAAGAAAUCCCGAGGAUUCCGGAUUGUCAAUUUGCUAAAACGC---G 98
MBFV-NC_012533.1 --A--A-CCCAAAAAAGG-----GCCGCAUCGCGGCCUAUAUAUUGCUGAAGCGCUUUG 95
MBFV-NC_002640.1 --A--A-CCAACGAAAAAAGGUG--GUUAGACCACCUUUAUAUUGCUGAAACGCGAGA 95
MBFV-NC_001474.2 --A--A-CCAACGAAAAAAGGCG--AAAAACACGCCUUUAUAUUGCUGAAACGCGAGA 98
MBFV-NC_001477.1 --A--A-CCAACGAAAAAAGACG--GGUCGACCGUCUUUAUAUUGCUGAAACGCGCGA 98
MBFV-NC_001475.2 --A--A-CCAACGGAAGAAGACG--GGAACACCGUCUAUAUAUUGCUGAAACGCGGUGA 98
dISFV-NC_017086.1 -----GCGAAUAAACCCAAAGACCCCGGAAGACGGGCUAUCGAUUAUAGUGAGACGUGCGU 98
dISFV-NC_016997.1 CAAUGGUCUUUCGAGCUAGGAGGCCCGGUAAACCGGGCCGUCGAAUUAUAAUAAACGUAAGC 107
dISFV-NC_027999.1 AGAAAAACUAGAGUAGGAUCUCGGGUUAAAAACCCGAGGUGUCAAUUUGAU--UAGGCGUAC 105
MBFV-NC_008719.1 CAAGAGGAGCAAGCAAGUUCUGGUCACGACCCGGGCGUCAAUUUGGU--GACGGCCAA 105
MBFV-NC_012735.1 CAAAGGGGAUGAAUAAAGUCUCGGGCUUGAUCCCGAGGCGUCAAUUUGGU--AGCGGCUAG 105
MBFV-NC_002031.1 -----UGGUCGUAAAGCUCAGGGAAAAACCCUGGGCGUCAAUUUGGUACGACGAGGAG 98
MBFV-NC_018705.3 --AACAAAAAACAGGAAGACCCCGGGCAACCCGGGUUGUCAAUUUGCUAAAAGCGCGGCG 104
0.....70.....80.....90.....100.....110.....1



dISFV-NC_024017.1 CCAAGCGUG-----NNNNNNNN-----CCCCACUGCUGAGAG-CAAA 136
dISFV-NC_040610.1 CCACCCGCU-----NNNNNNNN-----ACCCCCUCAUUAUUUAUUA 137
MBFV-NC_012534.1 CAUCCC-----NNNNNNNN-----GGAGACCCCUUGCGAGUUAACACCAA-ACAA 149
MBFV-NC_015843.2 CGUCCC-----NNNNNNNN-----AGGAGACCCCUUGCGAGUGAACACCACA-A-GAA 149
MBFV-NC_009028.2 CUAGCGUGU-----NNNNNNNN-----GUGGAGACCCCUAGCAGC-CAAGCGCGAA--ACAA 149
MBFV-NC_040776.1 CCAGCGUUU-----NNNNNNNN-----A-GGAGACCCCUUGGCACACAAAGCGCAA-GACAA 150
MBFV-NC_001563.2 UGCCCCGCG-----NNNNNNNN-----GAGGAGACCCCGGCCA-AAAACACCA-A-AAGAA 149
MBFV-NC_009942.1 UGCCCCGCG-----NNNNNNNN-----GGAGACCCCGUGCCACAAAACACCACA-ACAA 149
MBFV-NC_034151.1 CCCGCGCUA-----NNNNNNNN-----AGACCCCUUGGCAGUGAAC-GCAA-UAAAA 146
MBFV-NC_007580.2 UAUCCCCGCG-----NNNNNNNNUAGAGGAGACCCCUUGCCGUAA--CGCAA---CA 149
MBFV-NC_000943.1 UACCCCGCG-----NNNNNNNN-----GACCCACUCUCAAAGCAUC-AA--ACA 143
MBFV-NC_006551.1 UACCCCGCG-----NNNNNNNN-----ACCCCGCA-UCAUAAGCAUCAAA---AAA 142
MBFV-NC_001437.1 UACCCCGCG-----NNNNNNNN-----UAGAGGAGACCCCGCAUUGC-AU---CAA 143
MBFV-NC_009026.2 CGGCCAACG-----NNNNNNNN-----CCCUUGGCAAAACAGUUAACGCAACAA-AAGAA 150
MBFV-NC_009029.2 CGUCCCCGCG-----NNNNNNNNNAGAGG--AGACCCUCCCACAAAGAAGCGCAAACACAAA 153
MBFV-NC_032088.1 CAUCCCCGCG-----NNNNNNNNNAGAGGUUAGAGGAGACCCCCACAUACCGCAA-ACAAA 154
MBFV-NC_012532.1 GAG-UAGCCC--GUGNNNNNNNN-----GGUUAGAGGAGACCCCGGAAAACGCAA 147
MBFV-NC_035889.1 GAG-UAGCCC--GUGNNNNNNNN-----GUUAGAGGAGACCCCGGAAAACGCAA 146
MBFV-NC_012533.1 GAUCUAGCGCUGGCCNNNNNNNN-----GAGACCCCGCGGCCCAUAACCAACAUA 147
MBFV-NC_002640.1 GAAACCGCGUAUCAANNNNNNNNN--ACUAGAGGUUAGAGGAGACCCCCCAA-CACAA-AA 151
MBFV-NC_001474.2 GAAACCGCGUGU--NNNNNNNN--CUAGAGGUUAGAGGAGACCCCCCGA-AACAAAA 151
MBFV-NC_001477.1 GAAACCGCGUGU--NNNNNNNN--UAGAGGUUAGAGGAGACCCCCCGCACACAACAA 151
MBFV-NC_001475.2 GAAACCGUGUGU--NNNNNNNN--ACUAGAGGUUAGAGGAGACCCCCCGCA-AAUA-AA 151
dISFV-NC_017086.1 UGCCUCGCGUCU--NNNNNNNN-----A-GAGGAGACCCCCCAAAAUGUAAGG- 143
dISFV-NC_016997.1 UGC-----NNNNNNNN-----A-GGAAACCCCCCAAAAUGUAUAGG- 143
dISFV-NC_027999.1 UGG-----AA--NNNNNNNN-----UGGCGAACC--CCAUUGGAAAUUAGC- 142
MBFV-NC_008719.1 GGC-----CA--NNNNNNNN-----GAGGAGACCCUCCGAGCAC-UAUAGC- 143
MBFV-NC_012735.1 AGU-----GA--NNNNNNNN-----C-CCAUUCCUCCGAGCACACAUAGC- 143
MBFV-NC_002031.1 UUCGCUCUUUGU--NNNNNNNN-----G---AGACCCUCCAGGGAACAAUAGUG 142
MBFV-NC_018705.3 CAUCCC-----NNNNNNNN-----CCCCGCGGAAUCAAAGCAAGGCCCAAC 145
20.....130.....140.....150.....160.....170.....1



dISFV-NC_024017.1 ..)))))..)))))..)))))..)))))..))..... 193
dISFV-NC_040610.1 AUAGCAUA-UUGACACUUGGGAA-GAGACCAGAGAUUGAUGUUGUUUGUCAUUGCU-GA 193
MBFV-NC_012534.1 ACAGCAUA-UUGACACCAGGG-A-UAGACCGGAGAAU-ACACAAUUCUGGGCACUAAA 198
MBFV-NC_015843.2 ACAGCAUA-UUGACACCUGGGA-GAGACUAGGAGACC-CUCUGUCC-UAAC---AA 198
MBFV-NC_009028.2 ACAGCAUA-UUGACACCUGGGA--UAGACUAGGAGACC--CUCUGUCC-UAAC---AA 198
MBFV-NC_040776.1 ACAGCAUA-UUGACCGCUGGGA-AAGACCGGGAGAU--CUCUGCU--UUC---AU 197
MBFV-NC_001563.2 ACAGCAUA-UUGACACCUGGGA--AAGACCGGGAGACC--CUCUGCU--CUG---AA 198
MBFV-NC_009942.1 ACAGCAUA-UUGACACCUGGGA--UAGACUAGGGGAU--UUCUGCU--CUG---AC 197
MBFV-NC_034151.1 ACAGCAUA-UUGACACCUGGGA--UAGACUAGGAGACC--CUCUGCU--AUU---AA 196
MBFV-NC_007580.2 ACAGCAUA-UUGACACCUGG--A--AAGAC-AGGAGAU--CCUUGCU--UUU---AA 196
MBFV-NC_000943.1 ACAGCAUA-UUGACACCUGGGA--AAGACUAGGAGAU--UUCUGCUUAUUC---AA 195
MBFV-NC_006551.1 ACAGCAUA-UUGACACCUGGGAUUAUAGACUAGGAGAU--UUCUGCUUAUUC---AA 195
MBFV-NC_001437.1 ACAGCAUA-UUGACACCUGGGA--UAGACUGGGAGAU--UUCUGCUUAUUC---AA 195
MBFV-NC_009026.2 ACAGCAUA-UUGACACCUGGGA--UAGACCGGAGAAU--UGCUGCC---UCGC---AA 198
MBFV-NC_009029.2 ACAGCAUA-UUGACACCUGGGA--AAGACUAGGGGAU--UGCUGCU---CUG---AC 201
MBFV-NC_032088.1 ACAGCAUA-UUGACACCUGGGA--UAGACUAGGAGAU--CGCUGCU---CUG---AA 202
MBFV-NC_012532.1 ACAGCAUA-UUGACG--UGGGA--AAGACCAGAGACUC--CAUGAUU--CCAC---CA 195
MBFV-NC_035889.1 ACAGCAUA-UUGACG-CUGGGA--AAGACCAGAGACUC--CAUGAUUU--CCAC---CA 195
MBFV-NC_012533.1 ACAGCAUA-UUGACACCUGGGA--AAGACCGGAGACUC--UGUUGGCUU--UCCC---CA 197
MBFV-NC_002640.1 ACAGCAUA-UUGACG-CUGGGA--AAGACCAGAGAUCC--UGCUGCU--CUG---AA 199
MBFV-NC_001474.2 ACAGCAUA-UUGACG-CUGGGA--AAGACCAGAGAUCC--UGCUGCU--CCUC---AG 199
MBFV-NC_001477.1 ACAGCAUA-UUGACG-CUGGGA--AAGACCAGAGAUCC--UGCUGCU--CUAC---AG 199
MBFV-NC_001475.2 ACAGCAUA-UUGACG-CUGGGA--GAGACCAGAGAUCC--UGCUGCU--CCUC---AG 199
dISFV-NC_017086.1 GCACUAUA-UGGACACUUGG-A-AAGACCAGAGAUCC-UCGCUUAUACCCG---CA 195
dISFV-NC_016997.1 CUAAUUAU-UGGACACCUAGG-A-AAGACUAGGAGAU--CUUUGGUUUCUUGCA---CA 194
dISFV-NC_027999.1 U--UCAUA-UUGACACCAGGGAA-AAGACCGGAGAAAC-UUCUUGCUUACUCGC---AG 193
MBFV-NC_008719.1 GGACCAUA-UUGACGCGCUGG-A-AAGACCGGAGACAC-UCCUUGAUU-CUCAC---CU 194
MBFV-NC_012735.1 GGACCAUA-UUGACGCGCAGG-A-AAGACCGGAGACAC-UCCUUGAUU-CUCAC---CU 194
MBFV-NC_002031.1 GGACCAUA-UUGACGCCAGG-A-AAGACCGGAGUGGU-UCUUGCUU-UUCCU---CC 193
MBFV-NC_018705.3 CUGGCAUAAGCUGUUAACAGGGGAAGGACUAGAGGUUA-GAGGAGACCCCUUGC---G 199
80.....200.....210.....220.....230.....2



dISFV-NC_024017.1 209
dISFV-NC_040610.1 CAACUACAAGCAGAGA 209
MBFV-NC_012534.1 CACCAGCCAU--C--- 209
MBFV-NC_015843.2 CACCAGCCAU--U--- 209
MBFV-NC_009028.2 CACCAGCCAC--UA-- 209
MBFV-NC_040776.1 CACCAGCCAC--U--- 209
MBFV-NC_001563.2 AACCAGCCAC--AC-- 209
MBFV-NC_009942.1 AACCAGCCAC--AC-- 209
MBFV-NC_034151.1 CACCAGCCAC--UC-G 209
MBFV-NC_007580.2 CACCAGCCAC--AA-G 209
MBFV-NC_000943.1 CAUCAGUCAC--AAG 209
MBFV-NC_006551.1 CAUCAACAC--AAG 209
MBFV-NC_001437.1 CAUCAGCUAC--UAG 209
MBFV-NC_009026.2 CACCUCCAC--C--- 209
MBFV-NC_009029.2 UUCGCGU----- 209
MBFV-NC_032088.1 CCCCAG-U----- 209
MBFV-NC_012532.1 CGCUGGCCGC--CAG 209
MBFV-NC_035889.1 CGCUGGCCGC--CAG 209
MBFV-NC_012533.1 CACCAGCCCC--C-U 209
MBFV-NC_002640.1 CAUCAAUCC-----A 209
MBFV-NC_001474.2 CAUCAUCC-----A 209
MBFV-NC_001477.1 CAUCAUCC-----A 209
MBFV-NC_001475.2 CAUCAUCC-----A 209
dISFV-NC_017086.1 CCAG-ACUACAAGGC- 209
dISFV-NC_016997.1 CUAACUCCUAAUGGC- 209
dISFV-NC_027999.1 CAACCACCGAAAGGCA 209
MBFV-NC_008719.1 UUCUACCCCUAAGC- 209
MBFV-NC_012735.1 UUCUGCCCUAAGC- 209
MBFV-NC_002031.1 AGAGGCUUGAGCAC 209
MBFV-NC_018705.3 AGUGAACACC----- 209
40.....250....

