

dISFV-NC_016997.1 -----CAUUAGAAUAGGUUUUGAAAGAGUUGAAUCAUAGAGAUCAAUGGUCUUUCGA 51
dISFV-NC_017086.1 -----UGAAUAGGUUUUAUUGUGAAUCGAAAUACCGAUG-----GCGAAUAAA 42
MBFV-NC_002640.1 -----UGUUUGAAUAGAGAGCGAGAUUCUCUGGAAAAAUG-----AA--CCAACGAA 43
MBFV-NC_001477.1 ----AACAGUUUUUUUAUUAGAGAGCAGAUUCUCUG-----AUGAA---CAA--CCAACGGA 46
MBFV-NC_001475.2 ----GACAGUUUUUUUAUUAGAGAGCAGAUUCUCUG-----AUGAA---CAA--CCAACGGA 46
MBFV-NC_001474.2 ----ACAGUUUUUUUAUUAGAGAGCAGAUUCUCUG-----AUGAA---UAA--CCAACGGA 46
MBFV-NC_012533.1 -----GUGUUGAGAAAAAGAAAACAGAU-UCUUCGGAUUAUGAA---AA--CCCAAAAAA 46
MBFV-NC_012532.1 -----AUUUGGAUUUUGGAAACGAGAG-UUUCUGGUCAUGAA---AAACCCCAAAAGAA 48
MBFV-NC_035889.1 -----UUUUGGAUUUUGGAAACGAGAG-UUUCUGGUCAUGAA---AAA-CCCAAAAAA 47
dISFV-NC_040610.1 -----AAAGAAGUCAAAAACUAGAAAUUUA-AUU-UCAAUGGUU---AGA---CAACUU 45
dISFV-NC_024017.1 -----UGAU-AGAGUUUGACUAGAUAAACGA-AUUAUUCGAUGGUG---ACU---AAAUCA 45
MBFV-NC_009029.2 ACACAGUGUGAAACAAGUUUUUUGAACAG-----CAAUGACC---AAA---AAACCA 45
MBFV-NC_032088.1 -----AGUGUGAAACAAGUUUUUUGAUCAGUGG-----AUAAUGACU---AAA---AAACCA 45
MBFV-NC_012534.1 ----AGUUUGAAC--GUUUUUUGGAGAGA---GAUUUAUUUGUUUAACAAA---AAACCA 48
MBFV-NC_015843.2 ----AGUUUGAAC--GUUUUUUUGGAUAGA---GACAACUAUGUCUAACAAA---AAACCA 48
MBFV-NC_034151.1 ----UGAAUA-----GUUUUUUGAACAGAGGUGAAAACCAUGUCU---AAA---AAACCA 45
MBFV-NC_009026.2 -----UCGAGGAAAGACGAGAACGAAUUCUCUG---AAUGGCU---AGA---AAACCA 45
MBFV-NC_007580.2 -----GCGAACAGUUUUUUUAGC-AGGGAAUUACCCAAUGUCU---AAA---AAACCA 45
MBFV-NC_001563.2 ----U-GCGAGCUGUUUCUUGGC-ACGAAGAUCU-CGAUGUCU---AAG---AAACCA 45
MBFV-NC_009942.1 ----U-GCGAGCUGUUUCUUGGC-ACGAAGAUCU-CGAUGUCU---AAG---AAACCA 45
MBFV-NC_009028.2 ----U-CUGAAUAGUUUUUUUAGC-A-AGGGAUUUCCCAUGUCU---AAA---AAACCA 45
MBFV-NC_040776.1 ----U-CUGAAUAGUUUUUUUAGC-A-GAGGUACUACCAUGUCU---AAA---AAACCA 45
MBFV-NC_000943.1 -----UGAACAGUUUUUUGGAGCUUUUGAUUUCAAAUGUCU---AAA---AAACCA 45
MBFV-NC_006551.1 -----GCCGGCAGUUUCUUGAGC-GUUGAUUUUCAAUGUCU---AAG---AAACCA 45
MBFV-NC_001437.1 -----UUAAACAGUUUUUUUAGA-ACGGAAGAUAAACCAUGACU---AAA---AAACCA 45
MBFV-NC_002031.1 -----UUGAGCGAUUAGCAGAGAACUGACCAGAAC--AUGUC-----UGGUCGU 42
dISFV-NC_027999.1 -----UUGUUUGA-GAGAACAGCGAGAAGUACUACU-AUGGUUGAGAAAACUAGAGUA 51
MBFV-NC_008719.1 -----AAAGGGUA-GAGAAAAG-GAGUUUUGCUUCUCAUGGCAACAAGAGGAGCAAGC 51
MBFV-NC_012735.1 -----AAGGAGUA-GAAGAAAAG-GAGAUUCAUUCCCAUGGCAACAAGGGGAUGAAU 51
.....10.....20.....30.....40.....50.....6



.....((((((((((((.....
dISFV-NC_016997.1 GCUAGGAGGGCCCGUUAACCGGGCCGUCGAUAUAUAUAAAACGUAAGCUGC----- 100
dISFV-NC_017086.1 CCCAAGAAGCCCGGAAGACGGGCUAUCGAUAUAGUGAGACGUGCGUUGCCUCGCGUCU-- 100
MBFV-NC_002640.1 AAAAGGUG---GUUAGACCACCUUUCAAUAUGCUGAAACGCGAGAGAAACCGCGUAUCA 99
MBFV-NC_001477.1 AAAAGCG---GGUCGACCGCUUUCAAUAUGCUGAAACGCGGAGAAACCGCGUGU-- 100
MBFV-NC_001475.2 AGAAGACG---GGAAAAACCGUCUAUCAUAUUGCUGAAACGCGUGAGAAACCGUGUGU-- 100
MBFV-NC_001474.2 AAAAGGCG---AAAAACACGCGCUUCAAUAUUGCUGAAACGCGAGAGAAACCGCGUGU-- 100
MBFV-NC_012533.1 GG---GC--CGCAUCGCGGCCUAUCAUAUUGCUGAAGCGCUUUGGAUCUAGCGCUGGC 99
MBFV-NC_012532.1 GAAAUCCGG---AGGA-UCCGGAUUGUCAUAUUGCUAAAAACGCGGAGUAGCCCGUG-- 100
MBFV-NC_035889.1 GAAAUCCGG---AGGAUUCGGAUUGUCAUAUUGCUAAAAACGCGGAGUAGCCCGUG----- 100
dISFV-NC_040610.1 GGAAAGACCCGUUGCAAGACGGUCUGUCAUAUUGCUGAAAGCGGAUUAACACCCCGCU---- 100
dISFV-NC_024017.1 AGAAAGCCCGCCGCAAAAGCGGGCUGUUAUAUUGCUAACACGCAUCACCAAGCGUG----- 100
MBFV-NC_009029.2 GGAAGGCCCGGUAGAAAAUCGGGCCGUCUAUAUUGCUAAGCGCGGUGCGUCCCGCG---- 100
MBFV-NC_032088.1 GGAAAGUCCGGCAAUCGUCGGACUGUCAUAUUGCUAAGCGCGGAGCAUCCCGCG----- 100
MBFV-NC_012534.1 GGAAAGCCCGGGGCAACCCGGGUUGUCAUAUUGCUAAGCGCGGUGCAU---CCC----- 100
MBFV-NC_015843.2 GGAAGACCCCGUCAGGCCGGGUUGUCAUAUUGCUAAGCGCGGGAACGU---CCC----- 100
MBFV-NC_034151.1 GGAGGACCCCGGAAGAACCAGGUCGUUAUAUUGCUGAAGCGCACAUCCCGCGCUA----- 100
MBFV-NC_009026.2 GGAAGACCCCGGAGGAAACCAGGUCGUCAUAUUGCUAAGCGUACGGCGGCCAACG----- 100
MBFV-NC_007580.2 GGAAACCCCGGUAGAAACCGGGUUGUCAUAUUGCUAAAAACGCGGCGUAUCCCGCG----- 100
MBFV-NC_001563.2 GGAGGGCCCGGUAAAAACCGGGCUGUCAUAUUGCUAAAAACGCGGUUAUGCCCGCG----- 100
MBFV-NC_009942.1 GGAGGGCCCGGCAAGAGCCGGGCUUGUCAUAUUGCUAAAAACGCGGAUUGCCCGCG----- 100
MBFV-NC_009028.2 GGAAAGUCCCGUGCAAGCGGACUGUCAUAUUGCUAAAAACGCGGCUAGCGUGU----- 100
MBFV-NC_040776.1 GGAGGACCCCGCGGAAGCGGACGUGUCAUAUUGCUGAAACGCGCCAGCCAGCGUUU----- 100
MBFV-NC_000943.1 GGAGGACCCCGGAAGCCCGGGUCGUCAUAUUGCUAAAAACGCGGCAUACCCCGCG----- 100
MBFV-NC_006551.1 GGAGGGCCCGGAAGAAACCGGGCCAUCAUAUUGCUGAAACGCGGCAUACCCCGCG----- 100
MBFV-NC_001437.1 GGAGGGCCCGGUAAAAACCGGGUUGUCAUAUUGCUGAAACGCGGCGUAUCCCGCG----- 100
MBFV-NC_002031.1 AAAGCUCAGGGA AAAACCCUGGGCGUCAUAUUGGUACGACGAGGAGUUCGCUCCUUGU-- 100
dISFV-NC_027999.1 GGAUCUCGGGUUAAAAACCCGAGGUGUCAUAUUGAUUAGGCG--UACUG-----AA-- 100
MBFV-NC_008719.1 AAGUCUCGGG-UC-ACGACCGGGCGUCAUAUUGGUGACGCGCCAAGGC-----CA-- 100
MBFV-NC_012735.1 AAGUCUCGGGCUCGAUCCCGAGGCGUCAUAUUGGUAG--CGGCUAGAGU-----GA-- 100
0.....70.....80.....90.....100.....110.....1



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dISFV-NC_016997.1 -NNNNNNNN--CAAAAAUGUAUAGGCUAUUAUAUCGACAC-UUAGGA-AAGACUGGAGAU 155
dISFV-NC_017086.1 -NNNNNNNN--CCCAAAAAUGAAGGGCAGUAUAUCGACAC-UUGGGA-AAGACCAGAGUA 155
MBFV-NC_002640.1 ANNNNNNNCCCCCAACACA-AAAAACAGUAUAUUGACG--UUGGGA-AAGACCAGAGAU 155
MBFV-NC_001477.1 -NNNNNNNNCCCCGCACAACAA-CAAACAGCAUAUUGACG--CUGGGA-GAGACCAGAGAU 155
MBFV-NC_001475.2 -NNNNNNNNCCCCCGCAAAUA-AAAAACAGCAUAUUGACG--CUGGGA-GAGACCAGAGAU 155
MBFV-NC_001474.2 -NNNNNNNNCCCCCGAAACAA-AAAAACAGCAUAUUGACG--CUGGGA-AAGACCAGAGAU 155
MBFV-NC_012533.1 CNNNNNNNNA--UAACCAACAUAAAAACAGCAUAUUGACAC-CUGGGA-AAGACCGGAGACU 155
MBFV-NC_012532.1 -NNNNNNNNCCCCGAAAAACGCAAAACAGCAUAUUGACG---UGGGA-AAGACCAGAGACU 155
MBFV-NC_035889.1 -NNNNNNNN-CCCCGAAACGCAAA--ACAGCAUAUUGACGUGGGA-AAGACCAGAGAU 155
dISFV-NC_040610.1 -NNNNNNNNNCUAUAUAUU-AUAUAACAGCAUAUUGACACCAGGG-AUAGACCGGAGAAU 157
dISFV-NC_024017.1 -NNNNNNNNNCUGCUGAGAG--CAAAAUAGCAUAUUGACACUUGGGAAGAGACCAGAGAU 157
MBFV-NC_009029.2 -NNNNNNNN-AGCGCAAA-ACAAAACAGCAUAUUGACACCUGGGA--AAGACUAGGGGAU 155
MBFV-NC_032088.1 -NNNNNNNN-UACGCAAA-ACAAAACAGCAUAUUGACACCUGGGA--UAGACUAGGAGAU 155
MBFV-NC_012534.1 -NNNNNNNN-AACACCAA-ACAAAACAGCAUAUUGACACCUGGGA--GAGACUAGGAGAC 155
MBFV-NC_015843.2 -NNNNNNNN-GAACACCAC-AAGAAACAGCAUAUUGACACCUGGGA--UAGACUAGGAGAC 155
MBFV-NC_034151.1 -NNNNNNNN-GAACGCAA-UAAAAACAGCAUAUUGACACCUGGGA--UAGACUAGGAGAC 155
MBFV-NC_009026.2 -NNNNNNNN-ACGCACCAA-AAGAAACAGCAUAUUGACACCUGGGA--UAGACCGGAGAAU 155
MBFV-NC_007580.2 -NNNNNNNNCCGUUAACGC-AAACAACAGCAUAUUGACACCUGG---AAAGACAGGAGAU 154
MBFV-NC_001563.2 -NNNNNNNN-AACACCAA-AAGAAACAGCAUAUUGACACCUGGGA--UAGACUAGGGGAU 155
MBFV-NC_009942.1 -NNNNNNNN-AAACACCACA-ACAAAACAGCAUAUUGACACCUGGGA--UAGACUAGGAGAU 155
MBFV-NC_009028.2 -NNNNNNNNCAAGCGCGAA--ACAAACAGCAUAUUGACGCCUGGGA--AAGACCGGGAGAU 155
MBFV-NC_040776.1 -NNNNNNNN-AAGCGCAAA-GACAAACAGCAUAUUGACACCUGGGA--AAGACCGGGAGAC 155
MBFV-NC_000943.1 -NNNNNNNNAAAG-CAUC-AAACAACAGCAUAUUGACACCUGGGA--AAGACUAGGAGAU 156
MBFV-NC_006551.1 -NNNNNNNNUAAGC-AUCA-AAAAAACAGCAUAUUGACACCUGGGAUUAGACUAGGAGAU 157
MBFV-NC_001437.1 -NNNNNNNN-----CAUAUUGACACCUGGGGA--UAGACUGGGGAGAU 138
MBFV-NC_002031.1 -NNNNNNNN-AGGGAACAAAUAGUGGGCAUAUUGACGCCAGGG-A-AAGACCGGAGUGG 156
dISFV-NC_027999.1 -NNNNNNNN-CC-AUUGGAAAUUAGCUUCAUAUUGACACCAGGGA--AAGACCGGAGAAA 156
MBFV-NC_008719.1 -NNNNNNNN-CCGAGCAC-UAUAGCGGACCAUAUUGACGCCUGGG-A-AAGACCGGAGACA 155
MBFV-NC_012735.1 -NNNNNNNN-CCGAGCACAUAGCGGACCAUAUUGACGCCAGGG-A-AAGACCGGAGACA 156
20.....130.....140.....150.....160.....170.....1



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dISFV-NC_016997.1 CCUUUGGUUCUU----- 167
dISFV-NC_017086.1 CUCGCUGAUUCA----- 167
MBFV-NC_002640.1 CUGCUGUCUCUG----- 167
MBFV-NC_001477.1 CUCGUCUCUCUA----- 167
MBFV-NC_001475.2 CUGCUGUCUCCU----- 167
MBFV-NC_001474.2 CUGCUGUCUCCU----- 167
MBFV-NC_012533.1 CUGUUGGCUUUC----- 167
MBFV-NC_012532.1 CCAUGAGUUUCC----- 167
MBFV-NC_035889.1 CCAUGAGUUUCC----- 167
dISFV-NC_040610.1 ACACAAUUUU----- 167
dISFV-NC_024017.1 GAUGUUGUU----- 167
MBFV-NC_009029.2 UUGCUGC-UCUGG----- 167
MBFV-NC_032088.1 CCGCUGC-UCUGG----- 167
MBFV-NC_012534.1 CCUCUGU-CCUAA----- 167
MBFV-NC_015843.2 CCUCUGU-CCUAA----- 167
MBFV-NC_034151.1 CCUCUGC-UUAUU----- 167
MBFV-NC_009026.2 UUGCUGCCUC-GC----- 167
MBFV-NC_007580.2 CCCCUGCUUUUU----- 167
MBFV-NC_001563.2 CUUCUGC-UCUGC----- 167
MBFV-NC_009942.1 CUUCUGC-UCUGC----- 167
MBFV-NC_009028.2 CCUCUGC-UUUC----- 167
MBFV-NC_040776.1 CCUCUGC-UCUGC----- 167
MBFV-NC_000943.1 CUUCUGCUCU--A----- 167
MBFV-NC_006551.1 CUUCUGCUCU----- 167
MBFV-NC_001437.1 CUUCUGCUCUAUCUCAACAUCAGCUACUA 167
MBFV-NC_002031.1 UUCUCUGCUU-U----- 167
dISFV-NC_027999.1 CUUCUUGCUU-A----- 167
MBFV-NC_008719.1 CUCCUUGAUUC----- 167
MBFV-NC_012735.1 CUCCUUGAUUC----- 167
80.....190.....200.....

