

MBFV-NC\_032088.1 UC----UAUAACUCAGUGUGAACAAGUUUUUGAUCAGUGG-----AUA AUGACUA- 47  
MBFV-NC\_009029.2 UGAUUACAUAACACAGUGUGAACAAGUUUUUGAACAG-----CAAUGACCA- 47  
MBFV-NC\_034151.1 -----UAACACAGUGUGAUA-AGUUUUUUGAACAGAGGUGAA-A--ACCAUGUCUA- 47  
MBFV-NC\_009028.2 U--U----UAACACAGUCUGAAU-AGUUUUUU-AGCAAGGGA-UU-U--CCCAUGUCUA- 47  
MBFV-NC\_040776.1 U--U----UAACACAGUCUGAAU-AGUUUUUU-AGCAGAGGU-AC-U--ACCAUGUCUA- 47  
MBFV-NC\_001563.2 A--U----UAACACAGUGCGAGC-UGUUUCUUGGCACGAAGA--U-C--UCGAUGUCUA- 47  
MBFV-NC\_009942.1 A--U----UAACACAGUGCGAGC-UGUUUCUUGAGCAGCAAGA--U-C--UCGAUGUCUA- 47  
MBFV-NC\_001437.1 U--U----AGUGCAGUUUAAACA-GUUUUUUAGAACGGAAGA--U-A--ACCAUGACUA- 47  
MBFV-NC\_007580.2 U--A----ACUUGACUGCGAACA-GUUUUUUAGCAGGGAAUU--A-C--CCAAUGUCUA- 47  
MBFV-NC\_000943.1 -----UAACGCGGUUUGAAC-AGUUUUUUGGAGCUUUUGAUU-U--CAAUGUCUA- 47  
MBFV-NC\_006551.1 ---U----UAACACAGUGCCGGC-AGUUUCUUGAGC-GUUGAUU-U--UCAUGUCUA- 47  
MBFV-NC\_012534.1 CCGU----AAACACAGUUUGAAC--GUUUUUUGGAGAGAG--AU-U--AUUAUGUUUA 48  
MBFV-NC\_015843.2 ACGU----AAACACAGUUUGAAC--GUUUUUUGGAUAGAG--AC-A--ACUAUGUCUA 48  
MBFV-NC\_009026.2 AGAA----AAGUUUUC---GAGG-AAAGACGAG-AAGCGAAUUCU-C--UGAAUGGCUA- 47  
MBFV-NC\_012532.1 AACA---GGUUU-----AAUUGGAUUUGGAAACGAGAGUUUCU-GG--UCAUGAAAA 48  
MBFV-NC\_035889.1 ACAG---GUUUU-----AUUUUGGAUUUGGAAACGAGAGUUUCU-GG--UCAUGAAAA 48  
MBFV-NC\_012533.1 AACA---GUUUU-----CGUGUUGAGAAAGAAACAGAUUCUUC-GG--AAAUGAAAA 47  
MBFV-NC\_001474.2 -CGU---AGUUCUAACAGUUU-UUUAAAUAGAGAGCAG-AUCUCU-G-----AUGAAUA 48  
MBFV-NC\_001477.1 ACGU---AGUUCUAACAGUUU-UUU-AUUAGAGAGCAG-AUCUCU-G-----AUGAACAA 48  
MBFV-NC\_001475.2 ACGU---AGUGCUGACAGUUU-UUU-AUUAGAGAGCAG-AUCUCU-G-----AUGAACAA 48  
MBFV-NC\_002640.1 -----UCUAACAGUUUGUUUGAAUAGAGAGCAG-AUCUCU-GGAAAAAUG---AA 45  
MBFV-NC\_002031.1 -----UAAUCGUUCGUUGAGC--GAUUGCAGAGAACUGACCAGAACAU----- 43  
MBFV-NC\_012735.1 -----UUUCUACUG-AAAGGAGUAGAAGAAGGAGAUCAUCCCAUUGGCAAC 48  
MBFV-NC\_008719.1 -----AUUUCUACUGAAAGGGUAGAGAA--AAGGAGUUUUGCUUCUCAUGGCAAC 48  
MBFV-NC\_018705.3 CCGU----AAACACAGUUUGAACGUUUUUUGGAGAGAGACU-----ACUAUGUCAAA 48  
.....10.....20.....30.....40.....50.....6



MBFV-NC\_032088.1 --AAAAACCAGGAAAGUCC--GGCAUUCGUGGACUGCAAUAUGCUAAAGCGCGGAGC 102  
MBFV-NC\_009029.2 --AAAAACCAGGAAGGCC--GGUAGAAAU CGGCGCUCAAUAUGCUAAAGCGCGGUGC 102  
MBFV-NC\_034151.1 --AAAAACCAGGAGGACCC--GGAAAGAAC CGGUCGUAAUAUGCU GAAGCGCACAU 102  
MBFV-NC\_009028.2 --AAAAACCAGGAAAGUCC--GCUGCAAAG CGGACUGCAAUAUGCU AAAACGCCUGGC 102  
MBFV-NC\_040776.1 --AAAAACCAGGAGGACCC--CCCGGAAGG CGGUUGCAAUAUGCU GAAACGCCCAGC 102  
MBFV-NC\_001563.2 --AGAAACCAGGAGGGGCC--GGUAAAAAC CGGCUGCAAUAUGCU AAAACCGCGUAU 102  
MBFV-NC\_009942.1 --AGAAACCAGGAGGGGCC--GGCAAGAGC CGGCUGCAAUAUGCU AAAACCGCGAAU 102  
MBFV-NC\_001437.1 --AAAAACCAGGAGGGGCC--GUAAAAAC CGGCUAUCAAUAUGCU GAAACCGCGCCU 102  
MBFV-NC\_007580.2 --AAAAACCAGGAAAACCC--GGUAGAAAC CGGUUGCAAUAUGCU AAAACCGCGCGU 102  
MBFV-NC\_000943.1 --AAAAACCAGGAGGACCC--GGGAAGCCC CGGUCGUCAAUAUGCU AAAACCGCGCAU 102  
MBFV-NC\_006551.1 --AGAAACCAGGAGGGGCC--GGAAGAAAC CGGCCAUCAAUAUGCU GAAACCGCGCAU 102  
MBFV-NC\_012534.1 CAAAAAACCGAGGAAAACCC--GGGCAACC CGGUUGCAAUAUGCU AAAGCGCGGUGC 105  
MBFV-NC\_015843.2 CAAAAAACCGAGGAGACCC--GGCUCAGGC CGGUUGCAAUAUGCU AAAGCGCGGAAC 105  
MBFV-NC\_009026.2 --GAAACCAGGAAGACCC--GGAGGAAAC CGGUCGUCAAUAUGCU AAAGCGUACGGC 102  
MBFV-NC\_012532.1 CCCCAAAGAAGAAAU--CC--GGAGGA-UCGGAUUGCAAUAUGCU AAAACCGCGGAGU 102  
MBFV-NC\_035889.1 -CCCAAAAAAGAAAU--CC--GGAGGAUUCGGAUUGCAAUAUGCU AAAACCGCGGAGU 102  
MBFV-NC\_012533.1 -CCCAAAAA--AGGG--CC--GC--AUCGCGCCUAUCAAUAUGCU GAAGCGCUUUGG 96  
MBFV-NC\_001474.2 --CCAACGGAAAAAG--GC--GA-AAAACA GCCUU-CAAUAUGCU GAAACCGCGAG 99  
MBFV-NC\_001477.1 --CCAACGGAAAAAG--AC--GG-GUCGAC GUCUU-CAAUAUGCU GAAACCGCGGAG 99  
MBFV-NC\_001475.2 --CCAACGGAAGAAG--AC--GG-GAAAC CGUCUA-CAAUAUGCU GAAACCGCGUGAG 99  
MBFV-NC\_002640.1 --CCAACGAAAAAG--GU--GG-UUAGAC ACCUU-CAAUAUGCU GAAACCGCGAG 96  
MBFV-NC\_002031.1 ---UCUGGUGUAAGCUCAGGGAAAAACCUGGGCGCAAUAUGCUACGACGAGGAGU 99  
MBFV-NC\_012735.1 AAAGGGGAUGAAUAAGUCUCGGCUCGAUCCGAGGGCGCAAUAUGGUAGC----GGCU 103  
MBFV-NC\_008719.1 AAGAGGAGCAAGCAAGUCUCGGUCACGACC CGGGCGCAAUAUGGUAGC----GGCC 103  
MBFV-NC\_018705.3 CAAAAACCAGGAAGACCC--GGGGCAACC CGGUUGCAAUAUGCUAAAGCGCGGCGC 105  
0.....70.....80.....90.....100.....110.....1



MBFV-NC\_032088.1 AUCCCGCG-----NNNNNNNN--AGAGGUUAGAGGAGACCCCCACAU-ACCGCAAA-AC 151  
MBFV-NC\_009029.2 GUCCCGCG-----NNNNNNNN--AGAGGAGA--CCCUCCACAAAGAAGCGCAAAACAC 150  
MBFV-NC\_034151.1 CCGCGCUA-----NNNNNNNN-----AGA--CCCUUGGCAGUGAA-CGCAAAUA 143  
MBFV-NC\_009028.2 UAGCGUGU-----NNNNNNNN-----GUGGAGA--CCCCUAGCAGC-CAAGCGCAA-A 146  
MBFV-NC\_040776.1 CAGCGUUU-----NNNNNNNN-----A-GGAGA--CCCUUGGCACACAAGCGCAAAGA 147  
MBFV-NC\_001563.2 GCCCCGCG-----NNNNNNNN-----GAGGAGA--CCCCGUGCCA-AAAACACCA-AAA 146  
MBFV-NC\_009942.1 GCCCCGCG-----NNNNNNNN-----GGAGA--CCCGUGCCACAAAACACCACAAC 146  
MBFV-NC\_001437.1 ACCCCGCG-----NNNNNNNN--UAGAGGAGA--CCCGCAUUUG-----CAU 140  
MBFV-NC\_007580.2 AUCCCGCG-----NNNNNNNN--UUAGAGGAGA--CCCUUGCCGUUAACG-----CAA 146  
MBFV-NC\_000943.1 ACCCCGCG-----NNNNNNNN-----GA--CCCCACUCUCAAAGCAUC---AA 140  
MBFV-NC\_006551.1 ACCCCGCG-----NNNNNNNN-----A--CCCCGA-UCAUAAGCAUC---AAA 139  
MBFV-NC\_012534.1 AUCC-----NNNNNNNN-----GGAGA--CCCUUGCGAGUUAACACCAAAC 146  
MBFV-NC\_015843.2 GUCCC-----NNNNNNNN-----AGGAGA--CCCUUGCGAGUGAACACCACAA- 146  
MBFV-NC\_009026.2 GGCCCAACG-----NNNNNNNN--C---CCUU--GGCAAAACAGUUAACGCACCAAAA 147  
MBFV-NC\_012532.1 AGCCCGUG-----NNNNNNNN-----GGUUAGAGGAGACCCCCCGGAAAAC-----GC 144  
MBFV-NC\_035889.1 AGCCCGUG-----NNNNNNNN-----GUAGAGGAGACCCCCCGGAAAAC-----GC 143  
MBFV-NC\_012533.1 AUCUAGCGCUGGCCNNNNNNNN--GAGACCCCCGCGCCCAUAACCAAC-----AU 144  
MBFV-NC\_001474.2 AAACCGCGUGU---NNNNNNNN--CUAGAGGUUAGAGGAGACCCCC--CGAAAC-----AA 148  
MBFV-NC\_001477.1 AAACCGCGUGU---NNNNNNNN--UAGAGGUUAGAGGAGACCCCCCGCACAAAC-----AA 148  
MBFV-NC\_001475.2 AAACCGUGUGU---NNNNNNNNACUAGAGGUUAGAGGAGACCCCCCG--CAAA-----UA 148  
MBFV-NC\_002640.1 AAACCGGUAUCAANNNNNNNNNACUAGAGGUUAGAGGAGACCCCCCAACA-----CA 148  
MBFV-NC\_002031.1 UCGCUCCUUGU---NNNNNNNN-----GAGACCCUCCAGGGAACAA---AUA 139  
MBFV-NC\_012735.1 AGAGUG---A--NNNNNNNN-----C-CCAUCCCUCGCCAGCACAC---AUA 141  
MBFV-NC\_008719.1 AAGGC---A--NNNNNNNN-----GAGGAGACCCCGCGAGC-U---AUA 141  
MBFV-NC\_018705.3 AUCC-----NNNNNNNN-----CCCGCGGAAAUCAAAGCAA 137  
20.....130.....140.....150.....160.....170.....1



MBFV-NC\_032088.1 AAAACAGCAUAUUGACACCUGGGA--UAGACUAGGAGAUCCGUG--CUC---UGGAA 202  
MBFV-NC\_009029.2 AAAACAGCAUAUUGACACCUGGGA--AAGACUAGGGGAUUCUG--CUC---UGGAC 201  
MBFV-NC\_034151.1 AAAACAGCAUAUUGACACCUGGGA--UAGACUUGGAGACCCUCUG--CUUAU-UUCAUC 197  
MBFV-NC\_009028.2 CAAACAGCAUAUUGACGCCUGGGA--AAGACCGGAGAUCCUCUG--CU--U-UCCAUC 198  
MBFV-NC\_040776.1 CAAACAGCAUAUUGACACCUGGGA--AAGACCGGAGACCCUCUG--CU--C-UGCAAC 199  
MBFV-NC\_001563.2 GAAACAGCAUAUUGACACCUGGGA--UAGACUAGGGGAUUCU-U--GCUCUGCACA-- 198  
MBFV-NC\_009942.1 AAAACAGCAUAUUGACACCUGGGA--UAGACUAGGAGAUUCU-U--GCUCUGCACA-- 198  
MBFV-NC\_001437.1 CAAACAGCAUAUUGACACCUGGGA--UAGACUUGGAGAUUCUCUG--CUCUAUCCAAC 196  
MBFV-NC\_007580.2 ACAACAGCAUAUUGACACCUGGGA--AGACAG--GAGAUCC--UGCUUUUUCAAC 197  
MBFV-NC\_000943.1 ACAACAGCAUAUUGACACCUGGGA--AAGACUAGGAGAUUCUCUG--CUCUAUCCAAC 196  
MBFV-NC\_006551.1 AAAACAGCAUAUUGACACCUGGGAUUAGACUAGGAGAUUCUCUG--CUCUAUCCAAC 196  
MBFV-NC\_012534.1 AAAACAGCAUAUUGACACCUGGGA--GAGACUAGGAGACCCUCUG--UC--CUAACAC 199  
MBFV-NC\_015843.2 GAAACAGCAUAUUGACACCUGGGA--UAGACUAGGAGACCCUCUG--UC--CUAACAC 199  
MBFV-NC\_009026.2 GAAACAGCAUAUUGACACCUGGGA--UAGACC--GGAGAAUUGCU--GCCUCG--CAAC 199  
MBFV-NC\_012532.1 AAAACAGCAUAUUGACG--UGGGA--AAGACC--AGAGACUCCAUAGUUUCCACCACG 197  
MBFV-NC\_035889.1 AAAACAGCAUAUUGACG-CUGGGA--AAGACC--AGAGACUCCAGAGUUUCCACCACG 197  
MBFV-NC\_012533.1 AAAACAGCAUAUUGACACCUGGGA--AAGACC--GGAGACUCUGUUGGCUUCCCCACA 199  
MBFV-NC\_001474.2 AAAACAGCAUAUUGACG-CUGGGA--AAGACC--AGAGAUCCUG--CUGUCUCCUCAG 199  
MBFV-NC\_001477.1 CAAACAGCAUAUUGACG-CUGGGA--GAGACC--AGAGAUCCUG--CUGUCUCCUCAG 199  
MBFV-NC\_001475.2 AAAACAGCAUAUUGACG-CUGGGA--GAGACC--AGAGAUCCUG--CUGUCUCCUCAG 199  
MBFV-NC\_002640.1 AAAACAGCAUAUUGACG-CUGGGA--AAGACC--AGAGAUCCUG--CUGUCUCCUCAG 199  
MBFV-NC\_002031.1 GUGGGACCAUAUUGACGCCAGGGA--AAGACCGGAGUGGUUCUCU--GCUUUUCCUCCA 194  
MBFV-NC\_012735.1 -GCGGACCAUAUUGACGCCAGGGA--AAGACCGGAGACACUCCU--GAUUCUACCUU 195  
MBFV-NC\_008719.1 -GCGGACCAUAUUGACGCCUGGGA--AAGACCGGAGACACUCCU--GAUUCUACCUU 195  
MBFV-NC\_018705.3 GGCCCACACUGGCAAGCUG-----UAAACAGGGGAAGGACUAGAGGUUAGAGGAGAC 191  
80.....190.....200.....210.....220.....230.....2



MBFV-NC\_032088.1 CCCAGUUCUAGGCACAGAACGCCG-----UAA-UGAACUGGGGUGCCAAA-----ACA 250  
MBFV-NC\_009029.2 UUCGGGCUCUCGGCACAGAACGCCGU----UGA-GGAGCCGGAGGCCAAA-----ACA 250  
MBFV-NC\_034151.1 ACCAGCCACUCGGCACAGAACGCCGU----AAGU-GUGGUGGUGUGAA-AAUAAACA 250  
MBFV-NC\_009028.2 ACCAGCCACUAGGCACAGAUCGCCGC-----AAGUAGUGGCUGGUGGUAACACAU 253  
MBFV-NC\_040776.1 ACCAGCCACUAGGCACAGAUCGCCGA----AAUCUGUGGCUGGUGUGGUAACACAC-A 253  
MBFV-NC\_001563.2 ACCAGCCACACGGCACAGUGCGCCGA----CAUAGGUGGCUGGUG--GUGCUAGA-ACA 250  
MBFV-NC\_009942.1 ACCAGCCACACGGCACAGUGCGCCGA----CAAUGGUGGCUGGUG--GUGCGAGA-ACA 250  
MBFV-NC\_001437.1 AUCAGCUACUAGGCACAGAGCGCCGA----AGUAGUAGCUGGUGGUGAGGAAGA-ACA 250  
MBFV-NC\_007580.2 ACCAGCCACAAGGCACAGAGCGCCGU----AAAGUGUGGCUGGUGGUGAAGAA-A-UCA 250  
MBFV-NC\_000943.1 AUCAGUCAAGGCACCGAGCGCCGA----ACACUGUGACUGAUGGGGGAGAAGAC-CA 250  
MBFV-NC\_006551.1 AUCAACCACAAGGCACAGAGCGCCGA----AAAUUGUGGCUGGUGGGGAACUAGAC-CA 250  
MBFV-NC\_012534.1 ACCAGCCAUCCGGCACAGAGCGCCGU----AAG-UGUGGCUGGUGGUGGUAAG--ACA 250  
MBFV-NC\_015843.2 ACCAGCCACUUGGCACAGAUCGCCGA----AAG-UGUGGCUGGUGGUGGUAAG--ACA 250  
MBFV-NC\_009026.2 ACCUCCCAACCCGGCACAGAACGCCGA----CA-UGGUGGGAGGGGUGCUAAGACAC-- 250  
MBFV-NC\_012532.1 CUGGCCGC--AGGCACAGAUCGCCGA----ACUUCGGCGCGCGUGUGGGGAA-AUCCA 250  
MBFV-NC\_035889.1 CUGGCCGC--AGGCACAGAUCGCCGA----AUAGCGCGCGCGGUGUGGGGAA-AUCCA 250  
MBFV-NC\_012533.1 CCAGCCCC--UGGCACAGAGCGCC-----AGAUCGGGUGUGGUGGAGCA-ACCCA 250  
MBFV-NC\_001474.2 CAUCAUCC--AGGCACAGAAGCCAG-----AAAUGGAAUGGUGCUUUG--A-AUCAA 250  
MBFV-NC\_001477.1 CAUCAUCC--AGGCACAGAAGCCAA-----AAAUGGAAUGGUGCUUUG--A-AUCAA 250  
MBFV-NC\_001475.2 CAUCAUCC--AGGCACAGAAGCCAG-----AAAUGGAAUGGUGCUUUG--A-AUCAA 250  
MBFV-NC\_002640.1 CAUCAUCC--AGGCACAGAGCGCCG-----AAGAUGGAAUGGUGCUUUG--A-UCCAA 250  
MBFV-NC\_002031.1 GAGGUCUGU-GAGCACAGUUUGCUA-----AGAAUAGCAGACCUUUGGAGUACAAACA 250  
MBFV-NC\_012735.1 UCUCGCCCCUAAAGCACAGAUUGCUU-----GAAUGCAGGGCGGGGAAGUUGAGAACCA 250  
MBFV-NC\_008719.1 UCUCACCCUUAAGCACAGAUUGCUU-----GAAUGCAGGGGGAAGUUGGGAACCA 250  
MBFV-NC\_018705.3 CCCUUG-CGAGUGAACACCACAAAAACAGCAUAUUGACACCUGGGAAGACUAGGAGA 250  
40.....250.....260.....270.....280.....290.....3



MBFV-NC\_032088.1 CCGAAUCU 258  
MBFV-NC\_009029.2 CCAGAUUC 258  
MBFV-NC\_034151.1 CAGAGUCU 258  
MBFV-NC\_009028.2 GA---UCU 258  
MBFV-NC\_040776.1 GA---UCU 258  
MBFV-NC\_001563.2 CAGGAUCU 258  
MBFV-NC\_009942.1 CAGGAUCU 258  
MBFV-NC\_001437.1 CAGGAUCU 258  
MBFV-NC\_007580.2 CAGGAUCU 258  
MBFV-NC\_000943.1 CAGGAUCU 258  
MBFV-NC\_006551.1 CAGGAUCU 258  
MBFV-NC\_012534.1 CAGUGUCU 258  
MBFV-NC\_015843.2 CAGGAUCU 258  
MBFV-NC\_009026.2 CAGAUUCU 258  
MBFV-NC\_012532.1 UGGUUCU 258  
MBFV-NC\_035889.1 UGGGUCU 258  
MBFV-NC\_012533.1 ACAGGACU 258  
MBFV-NC\_001474.2 CAGGUUCU 258  
MBFV-NC\_001477.1 CAGGUUCU 258  
MBFV-NC\_001475.2 CAGGUUCU 258  
MBFV-NC\_002640.1 CAGGUUCU 258  
MBFV-NC\_002031.1 AAACCACU 258  
MBFV-NC\_012735.1 UAGUGUCU 258  
MBFV-NC\_008719.1 UAGUGUCU 258  
MBFV-NC\_018705.3 CCCUCUGU 258  
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