

MBFV-NC\_032088.1 UC----UAUAACUCAGUGUGAACAAGUUUUUGAUCAGUGG-----AUAUAGACUA- 47  
MBFV-NC\_009029.2 UGAUUACAUAACACAGUGUGAACAAGUUUUUUGAACAG-----CAAUGACCA- 47  
MBFV-NC\_034151.1 -----UAACACAGUGUGAAU-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----AGUCGAGUUUAAACA-GUUUUUUAGAACGGAAGA--U-A--ACCAUGACUA- 47  
MBFV-NC\_007580.2 U--A----ACUUGACUGCGAACA-GUUUUUUAGCAGGGAUU--A-C--CCAAUGUCUA- 47  
MBFV-NC\_000943.1 -----AAACGCGUUUGAAC-AGUUUUUUGGAGCUUUUGAUU-U--CAAAUGUCUA- 47  
MBFV-NC\_006551.1 ---U----UAACACAGUGCCGGC-AGUUUCUUGAGC-GUUGAUU-U--UCAUUGUCUA- 47  
MBFV-NC\_012534.1 CCGU----AAACACAGUUUGAAC--GUUUUUUGGAGAGAG--AU-U--AUUAUGUUUAA 48  
MBFV-NC\_015843.2 ACGU----AAACACAGUUUGAAC--GUUUUUUGGAUAGG--AC-A--ACUAUGUCUAA 48  
MBFV-NC\_009026.2 AGAA----AAGUUUUC--GAGG-AAAGACGAG-AAGCGAAUUCU-C--UGAAUUGGCUA- 47  
MBFV-NC\_012532.1 AACA----GGUUU-----AAUUUGGAUUUGGAAACGAGAGUUUCU-GG--UCAUGAAAAA 48  
MBFV-NC\_035889.1 ACAG--GUUU-----AUUUUGGAUUUGGAAACGAGAGUUUCU-GG--UCAUGAAAAA 48  
MBFV-NC\_012533.1 AACA--GUUU-----CGUGUUGAGAAAGAAACAGAUUCUUC-GG--AAAUGAAAAA 47  
MBFV-NC\_001474.2 -CGU---AGUUCUAACAGUUU-UUUAAUUAGAGAGCAG-AUCUCU-G-----AUGAAUAA 48  
MBFV-NC\_001477.1 ACGU---AGUUCUAACAGUUU-UUU-AUUAGAGAGCAG-AUCUCU-G-----AUGAACAA 48  
MBFV-NC\_001475.2 ACGU---AGUGCUGACAGUUU-UUU-AUUAGAGCAG-AUCUCU-G-----AUGAACAA 48  
MBFV-NC\_002640.1 -----UCUAACAGUUUGUUUGAAUAGAGAGCAG-AUCUCU-GGAAAAAUG---AA 45  
MBFV-NC\_002031.1 -----UAAUCGUUCGUUGAGC--GAUUGAGCAGAGAACUGACCAGAACUG----- 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



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MBFV-NC\_032088.1 --AAAACCAGGAAAGUCC--GGCAUUCGUGGACUG-CAAAUUGCUAAAGCGCGGAGC 102  
MBFV-NC\_009029.2 --AAAACCAGGAAGGCC--GGUAGAAAU-CGGGCCG-CAAAUUGCUAAAGCGCGGUGC 102  
MBFV-NC\_034151.1 --AAAACCAGGAGGACCC--GGAAAGAAC-CGGGUCG-CAAAUUGCUAAAGCGCACAU 102  
MBFV-NC\_009028.2 --AAAACCAGGAAAGUCC--GCUGCAAAG-CGGACUG-CAAAUUGCUAAAACGCCUGGC 102  
MBFV-NC\_040776.1 --AAAACCAGGAGGACCC--CCCGGAAGG-CGGUUG-CAAAUUGCUGAAACGCCCAGC 102  
MBFV-NC\_001563.2 --AGAAACCAGGAGGGGCC--GGUAAAAAC-CGGCUG-CAAAUUGCUAAAACCGCGUAU 102  
MBFV-NC\_009942.1 --AGAAACCAGGAGGGGCC--GGCAAGAGC-CGGCUG-CAAAUUGCUAAAACCGCGAAU 102  
MBFV-NC\_001437.1 --AAAACCAGGAGGGGCC--GGUAAAAAC-CGGCUAU-CAAAUUGCUGAAACCGCGCCU 102  
MBFV-NC\_007580.2 --AAAACCAGGAAAACCC--GGUAGAAAC-CGGUUG-CAAAUUGCUAAAACCGCGCGU 102  
MBFV-NC\_000943.1 --AAAACCAGGAGGACCC--GGGAAGCCC-CGGUCG-CAAAUUGCUAAAACCGCGCAU 102  
MBFV-NC\_006551.1 --AGAAACCAGGAGGGGCC--GGAAGAAAC-CGGCCAU-CAAAUUGCUGAAACCGCGCAU 102  
MBFV-NC\_012534.1 CAAAAACCAGGAAAAACCC--GGGGCAACC-CGGUUG-CAAAUUGCUAAAGCGCGGUGC 105  
MBFV-NC\_015843.2 CAAAAACCAGGAAGACCC--GGCUCAGGC-CGGUUG-CAAAUUGCUAAAGCGCGGAAC 105  
MBFV-NC\_009026.2 --GAAACCAGGAAGACCC--GGAGGAAAC-CGGUCG-CAAAUUGCUAAAGCGUACGGC 102  
MBFV-NC\_012532.1 CCCCAGAAGAAGAAU--CC--GGAGGA-UCGGAUUG-CAAAUUGCUAAAACCGCGGAGU 102  
MBFV-NC\_035889.1 -CCCAAAAAGAAAU--CC--GGAGGAUUCGGAUUG-CAAAUUGCUAAAACCGCGGAGU 102  
MBFV-NC\_012533.1 -CCCAAAA--AGGG--CC--GC--AUCG-CGCCUAU-CAAAUUGCUGAAGCGCUUUGG 96  
MBFV-NC\_001474.2 --CCAACGGAAAAAG--GC--GA-AAAACA-GCCUU-CAAAUUGCUGAAACCGCGAGAG 99  
MBFV-NC\_001477.1 --CCAACGGAAAAAG--AC--GG-GUCGAC-GUCUU-CAAAUUGCUGAAACCGCGCAG 99  
MBFV-NC\_001475.2 --CCAACGGAAGAAG--AC--GG-GAAAC-GUCUA-CAAAUUGCUGAAACCGCGUGAG 99  
MBFV-NC\_002640.1 --CCAACGAAAAAG--GU--GG-UUAGAC-ACC UU-CAAAUUGCUGAAACCGCGAGAG 96  
MBFV-NC\_002031.1 ---UCUGUCGUAAAGCUCAGGGAAAAACCUGGGCG-CAAAUUGGUACGACGAGGAGU 99  
MBFV-NC\_012735.1 AAAGGGGAUGAAUAAGUCUCGGCUCGAUCC-CGAGGCG-CAAAUUGGUAGC----GGCU 103  
MBFV-NC\_008719.1 AAGAGGAGCAAGCAAGUCUCGGGUCACGACC-CGGGCG-CAAAUUGGUAGC----GGCC 103  
MBFV-NC\_018705.3 CAAAAACCAGGAAGACCC--GGGGCAACC-CGGGUUG-CAAAUUGCUAAAGCGCGGCGC 105  
0.....70.....80.....90.....100.....110.....1



....))))).....((.....))..... 151  
MBFV-NC\_032088.1 AUCCCGCG-----NNNNNNNN--AGAGGUUAGAGGAGACCCCCACAU-ACCGCAAA-AC 151  
MBFV-NC\_009029.2 GUCCCGCG-----NNNNNNNN--AGAGGAGA--CCCUCCCACAAAGAAGCGCAAAACAC 150  
MBFV-NC\_034151.1 CCGCGCUA-----NNNNNNNN-----AGA--CCCUUUGGCAGUGAA-CGCAAAUA 143  
MBFV-NC\_009028.2 UAGCGUGU-----NNNNNNNN-----GUGGAGA--CCCCUAGCAG-CGAGCGGAA-A 146  
MBFV-NC\_040776.1 CAGCGUUU-----NNNNNNNN-----A-GGAGA--CCCUUUGGCACACAAGCGCAAAGA 147  
MBFV-NC\_001563.2 GCCCCGCG-----NNNNNNNN-----GAGGAGA--CCCCGUGCCA-AAAACACCA-AAA 146  
MBFV-NC\_009942.1 GCCCCGCG-----NNNNNNNN-----GGAGA--CCCGGUCACAAAAACACCACAAC 146  
MBFV-NC\_001437.1 ACCCCGCG-----NNNNNNNN--UAGAGGAGA--CCCGCAUUUG-----CAU 140  
MBFV-NC\_007580.2 AUCCCGCG-----NNNNNNNN--UUAGAGGAGA--CCCUUUGCCGUUAACG-----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--CCCUUUGCGAGUUAACACCAAAC 146  
MBFV-NC\_015843.2 GUCC-----NNNNNNNN-----AGGAGA--CCCUUUGCGAGUGAACACCACAA- 146  
MBFV-NC\_009026.2 GGCCAACG-----NNNNNNNN--C---CCUU--GGCAAAACAGUUAACGCACCAAAA 147  
MBFV-NC\_012532.1 AGCCCGUG-----NNNNNNNN-----GGUUAGAGGAGACCCCCCGGAAAAAC-----GC 144  
MBFV-NC\_035889.1 AGCCCGUG-----NNNNNNNN-----GUUAGAGGAGACCCCCCGGAAAAAC-----GC 143  
MBFV-NC\_012533.1 AUCUAGCGCUGGCCNNNNNNNN--GAGACCCCGCGCCCAUAACCAAC-----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 AAACCGGUGUGU---NNNNNNNNACUAGAGGUUAGAGGAGACCCCCCG--CAAA-----UA 148  
MBFV-NC\_002640.1 AAACCGGUGAUCAANNNNNNNNNACUAGAGGUUAGAGGAGACCCCCCAACA-----CA 148  
MBFV-NC\_002031.1 UCGCUCCUUGU---NNNNNNNN-----GAGACCCUCCAGGGAACAA---AUA 139  
MBFV-NC\_012735.1 AGAGU---A--NNNNNNNN-----C--CCAUCCCUCGCCAGCACAC---AUA 141  
MBFV-NC\_008719.1 AAGGC---A--NNNNNNNN-----GAGGAGACCCCGCCGAGC-U---AUA 141  
MBFV-NC\_018705.3 AUCC-----NNNNNNNN-----CCCGCGGAAAUCAAAGCAA 137  
20.....130.....140.....150.....160.....170.....1



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MBFV-NC\_032088.1 AAAACAGCAUAUUGACACCUGGGA--UAGACUAGGAGAUCGCGU---CUC---UGGAA 202  
MBFV-NC\_009029.2 AAAACAGCAUAUUGACACCUGGGA--AAGACUAGGGGAUUCUGU---CUC---UGGAC 201  
MBFV-NC\_034151.1 AAAACAGCAUAUUGACACCUGGGA--UAGACUUGGAGACCCUCUG---CUUAU-UUCAUC 197  
MBFV-NC\_009028.2 CAAACAGCAUAUUGACGCCUGGGA--AAGACCGGGAGAUCCUCUG---CU--U-UCCAUC 198  
MBFV-NC\_040776.1 CAAACAGCAUAUUGACACCUGGGA--AAGACCGGGAGACCCUCUG---CU--C-UGCAAC 199  
MBFV-NC\_001563.2 GAAACAGCAUAUUGACACCUGGGA--UAGACUAGGGGAUUCU-U--GCUCUGCACA-- 198  
MBFV-NC\_009942.1 AAAACAGCAUAUUGACACCUGGGA--UAGACUAGGAGAUCUUC-U--GCUCUGCACA-- 198  
MBFV-NC\_001437.1 CAAACAGCAUAUUGACACCUGGGA--UAGACUUGGAGAUCCUCUG---CUCUAUCCAAC 196  
MBFV-NC\_007580.2 ACAACAGCAUAUUGACACCUGGGA--AGACAG--GAGAUCC--UGCUUUUUACAAC 197  
MBFV-NC\_000943.1 ACAACAGCAUAUUGACACCUGGGA--AAGACUAGGAGAUCUUCUG---CUCUAUCCAAC 196  
MBFV-NC\_006551.1 AAAACAGCAUAUUGACACCUGGGAUUAGACUAGGAGAUCUUCUG---CUCUAUCCAAC 196  
MBFV-NC\_012534.1 AAAACAGCAUAUUGACACCUGGGA--GAGACUAGGAGACCCUCUG---UC--CUAACAA 199  
MBFV-NC\_015843.2 GAAACAGCAUAUUGACACCUGGGA--UAGACUAGGAGACCCUCUG---UC--CUAACAA 199  
MBFV-NC\_009026.2 GAAACAGCAUAUUGACACCUGGGA--UAGAC--GGAGAAUUGCU---GCCUCG--CAAC 199  
MBFV-NC\_012532.1 AAAACAGCAUAUUGACG--UGGGA--AAGACC--AGAGACUCCAUAGUUUCCACCACG 197  
MBFV-NC\_035889.1 AAAACAGCAUAUUGACG-CUGGGA--AAGACC--AGAGACUCCAUAGUUUCCACCACG 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--AAGACC--GGAGUGGUUCUCU---GCUUUUCCUUA 194  
MBFV-NC\_012735.1 -GCGGACCAUAUUGACGCCAGGGA--AAGACC--GGAGACACUCCUU---GAUUCUACCUU 195  
MBFV-NC\_008719.1 -GCGGACCAUAUUGACGCCUGGGA--AAGACC--GGAGACACUCCUU---GAUUCUACCUU 195  
MBFV-NC\_018705.3 GGCCCACACUGGCAAGCUG-----UAAACAGGGGAAGGACUAGAGGUUAGAGGAGAC 191  
80.....190.....200.....210.....220.....230.....2



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MBFV-NC\_032088.1 CCCAGUUCUAGGCACAGAACGCCG-----UAA-UGAACUGGGGUGCCAAA-----ACA 250  
MBFV-NC\_009029.2 UUCGGGCUUCGGCACAGAACGCCG-----UGA-GGAGCCGGAGGCCAAA-----ACA 250  
MBFV-NC\_034151.1 ACCAGCCACUCGGCACAGAACGCCG-----AAGU-GUGGCGUGGUGUGAA-AAUAAACA 250  
MBFV-NC\_009028.2 ACCAGCCACUAGGCACAGAUCGCCG-----AAGUAGUGGUGGUGGUGGAAACACAUG 253  
MBFV-NC\_040776.1 ACCAGCCACUAGGCACAGAUCGCCG-----AAUCUGGGGUGGUGGUGGUGGAGCA-G 253  
MBFV-NC\_001563.2 ACCAGCCACAGGCACAGUGCGCCG-----CAUAGGUGGUGGUG--GUGCUAGA-ACA 250  
MBFV-NC\_009942.1 ACCAGCCACAGGCACAGUGCGCCG-----CAAUGGUGGUGGUG--GUGCGAGA-ACA 250  
MBFV-NC\_001437.1 AUCAGCUACUAGGCACAGAGCGCCG-----AGUAGUGGUGGUGGUGGUGGAGGA-ACA 250  
MBFV-NC\_007580.2 ACCAGCCACAAAGGCACAGAGCGCCG-----AAAGUGGUGGUGGUGGUGGAGAAAA-A-UCA 250  
MBFV-NC\_000943.1 AUCAGUACAAAGGCACCGAGCGCCG-----ACACUGGAGUAGUGGGGAGAGAC-CA 250  
MBFV-NC\_006551.1 AUCAAACCAAAGGCACAGAGCGCCG-----AAAUUGGUGGUGGUGGGAACUAGAC-CA 250  
MBFV-NC\_012534.1 ACCAGCCAAUAGGCACAGAGCGCCG-----AAG-UGUGGUGGUGGUGGUGGUA-ACA 250  
MBFV-NC\_015843.2 ACCAGCCACUAGGCACAGAUCGCCG-----AAG-UGUGGUGGUGGUGGUGGUA-ACA 250  
MBFV-NC\_009026.2 ACCUCCCAACCAGGCACAGAACGCCG-----CA-UGGUGGGAGGGGUGCUAAGACAC-- 250  
MBFV-NC\_012532.1 CUGGCCCGCC--AGGCACAGAUCGCCG-----ACUUCGGCGCCCGGUGUGGGGAA-AUCCA 250  
MBFV-NC\_035889.1 CUGGCCCGCC--AGGCACAGAUCGCCG-----AUAGCGCGCGCGGUGUGGGGAA-AUCCA 250  
MBFV-NC\_012533.1 CCAGCCCCC--UGGCACAGAGCGCC-----AGAUCGGGUGGUGGUGGAGCA-ACCCA 250  
MBFV-NC\_001474.2 CAUCAUUC--AGGCACAGAAGCCAG-----AAAUGGAAUGGUGCUUG--A-AUCAA 250  
MBFV-NC\_001477.1 CAUCAUUC--AGGCACAGAAGCCAA-----AAAUGGAAUGGUGCUUG--A-AUCAA 250  
MBFV-NC\_001475.2 CAUCAUUC--AGGCACAGAAGCCAG-----AAAUGGAAUGGUGCUUG--A-AUCAA 250  
MBFV-NC\_002640.1 CAUCAUUC--AGGCACAGAGCGCCG-----AAGAUGGAAUGGUGUUGUUG--A-UCCAA 250  
MBFV-NC\_002031.1 GAGGUCUGU--GAGCAGAUUUGCU-----AGAAUAGCAGACUUUGGAGUAGCAACACA 250  
MBFV-NC\_012735.1 UCUCGCCCUAAAGCACAGAUUGCU-----GAAUGCAGGCGGGGAAGUUGAGAACCAAC 250  
MBFV-NC\_008719.1 UCUCACCCCUAAAGCACAGAUUGCU-----GAAUGCAGGUGGGGAAGUUGGGAACCAAC 250  
MBFV-NC\_018705.3 CCCUUG--CGAGUGAACACCACA-----GAAUAGCAUUAUGACCCUGGGAAGACUAGGAGA 250  
40.....250.....260.....270.....280.....290.....3



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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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