

MBFV-NC\_001437.1 -----UUAACAGUUUUUUAGAACGGAAGA-UAACCAUGACU---AAAAAACCA**GGAG** 49  
MBFV-NC\_009029.2 ACACAGUGUGAACAAAGUUUUUUGAACAG-----CAAUGACC---AAAAAACCA**GGAA** 49  
MBFV-NC\_032088.1 -----AGUGUGAACAAAGUUUUUUGAUCAGUGGA---UAAUGACU---AAAAAACCA**GGAA** 49  
MBFV-NC\_001563.2 -----UGCGAGCUGUUUCUUGGCAC-GAAGA-UCUCGAUGUCU---AAGAAACCA**GGAG** 49  
MBFV-NC\_009942.1 -----UGCGAGCUGUUUCUAGCAC-GAAGA-UCUCGAUGUCU---AAGAAACCA**GGAG** 49  
MBFV-NC\_006551.1 -----GCCG-GCAGUUCUUGAGC-GUUGAUUUUCAAGUCU---AAGAAACCA**GGAG** 49  
MBFV-NC\_000943.1 -----U--GAACAGUUUUUUGGAGCUUUUGAUUUCAAAGUCU---AAAAAACCA**GGAG** 49  
MBFV-NC\_007580.2 -----GCGAACAGUUUUUAGCAGGGAAU-UACCCAAUGUCU---AAAAAACCA**GGAA** 49  
MBFV-NC\_012534.1 ----AGUUUGAACGUUUUUUGGAGAGAGAUUAU---AUGUUUAACAAAAAACCA**GGAA** 52  
MBFV-NC\_015843.2 ----AGUUUGAACGUUUUUUGGAUAGAGACAACU---AUGUCUAACAAAAAACCA**GGAA** 52  
MBFV-NC\_009028.2 -----UCUGAAUAGUUUUUU-AGCAAGGGA-UUUCCAAUGUCU---AAAAAACCA**GGAA** 49  
MBFV-NC\_040776.1 -----UCUGAAUAGUUUUUU-AGCAGAGGU-ACUACCAUGUCU---AAAAAACCA**GGAG** 49  
MBFV-NC\_034151.1 -----UGAAUAGUUUUUUGAACAGAGGUGAAAAACCAUGUCU---AAAAAACCA**GGAG** 49  
MBFV-NC\_009026.2 UCGAGGAAAGA-----CGAGAAGCGAAUUCUCUGAAUGGCU---AGAAAAACCA**GGAA** 49  
MBFV-NC\_001474.2 ACAGUUUUUUAA---UUAGAGAGCAGAUCUCUG-----AUGAAUA---CCAAC**GGAA** 50  
MBFV-NC\_001477.1 AACAGUUUUUUAA---UUAGAGAGCAGAUCUCUG-----AUGAACAA---CCAAC**GGAA** 50  
MBFV-NC\_001475.2 GACAGUUUUUUAA---UUAGAGAGCAGAUCUCUG-----AUGAACAA---CCAAC**GGAA** 50  
MBFV-NC\_002640.1 -----UGUUUGA---AUAGAGAGCAGAUCUCUGGAAAAAUG---AA---CCAAC**GGAA** 47  
MBFV-NC\_012533.1 ---GUGUUGAG---AAAGAAAAACAGAU-UCUUCGGAAUAGAAAAAC---CCAA---AA**AG** 47  
MBFV-NC\_035889.1 -----UUUUGA---UUUGGAAACGAGAGUUUCUGGUCAUGAAAAA-CCCAAAAA**GGAA** 51  
MBFV-NC\_012532.1 -----AUUUGGA---UUUGGAAACGAGAGUUUCUGGUCAUGAAAAACCCCA**AGAA** 52  
MBFV-NC\_012735.1 AAGGAGUAGAAGA-----AAGGAGAUUCAUCCCAUUGGCAACAAAGGGGAUG**AAUA** 52  
MBFV-NC\_008719.1 AAAGGGUAGAA-----AAGGAGUUUGCUUCUACUGGCAACAAGAGGAGCA**AGCA** 52  
MBFV-NC\_002031.1 UUGAGCGAUUAGC-----AGAGAACUGACCAGAACAUGUC-----UGGUG**UA** 43  
.....10.....20.....30.....40.....50.....6



..((.....((.....((((((((((((.....  
MBFV-NC\_001437.1 GGCCC---GGUAAAAAC**CGGGCUAUCAAUAUGCU**GAAACCGCGGCCUACCCCGCG----- 100  
MBFV-NC\_009029.2 GGCCC---GGUAGAAAU**CGGGCCGUCAAUAUGCU**AAAGCGCGGUGCGUCCCGCG----- 100  
MBFV-NC\_032088.1 AGUCC---GGCAACUGC**CGGACUGUCAAUUAGCU**AAAGCGCGGAGCAUCCCGCG----- 100  
MBFV-NC\_001563.2 GGCCC---GGUAAAAAC**CGGGCUGUCAAUUAGCU**AAAACCGCGUAUGCCCGCG----- 100  
MBFV-NC\_009942.1 GGCCC---GGCAAGAGC**CGGGCUGUCAAUUAGCU**AAAACCGCGAAUGCCCGCG----- 100  
MBFV-NC\_006551.1 GGCCC---GGAAGAAAC**CGGGCCAUAUAUAGCU**GAAACCGCGCAUACCCCGCG----- 100  
MBFV-NC\_000943.1 GACCC---GGGAAGCCC**CGGGUCGUCAAUUAGCU**AAAACCGCGCAUACCCCGCG----- 100  
MBFV-NC\_007580.2 AACCC---GGUAGAAAC**CGGGUUGUCAAUUAGCU**AAAACCGCGCGCAUACCCCGCG----- 100  
MBFV-NC\_012534.1 AACCC---GGGGCAACC**CGGUUGUCAAUUAGCU**AAAGCGCGGUGCAUCC----- 100  
MBFV-NC\_015843.2 GACCC---GGCUCAGGC**CGGUUGUCAAUUAGCU**AAAGCGCGGAACGUC----- 100  
MBFV-NC\_009028.2 AGUCC---GCUGCAAAG**CGGACUGUCAAUUAGCU**AAAACGCCUGGCUAGCGUGU----- 100  
MBFV-NC\_040776.1 GACCC---GCCGAAGG**CGGUUGUCAAUUAGCU**GAAACGCCAGCCAGCCAGCUUU----- 100  
MBFV-NC\_034151.1 GACCC---GGAAGAAC**CGGUUGUCAAUUAGCU**GAAACGCCAGCAUCCCGCUA----- 100  
MBFV-NC\_009026.2 GACCC---GGAGGAAAC**CGGGUCGUCAAUUAGCU**AAAGCGUACGGCGGCCAACG----- 100  
MBFV-NC\_001474.2 GG--C---G---AAAAACACGCCUU**UCAAUUAGCU**GAAACCGCGAGAGAAACCGCGUGU----- 100  
MBFV-NC\_001477.1 GA--C---G---GGUCGAC**CGUCUUAUCAAUAGCU**GAAACCGCGGAGAAACCGCGUGU----- 100  
MBFV-NC\_001475.2 GA--C---G---GGAAAC**CGUCUAUCAAUAGCU**GAAACCGCGUGAGAAACCGUGUGU----- 100  
MBFV-NC\_002640.1 GG--U---G---GUUAGAC**CACCUUCAAUUAGCU**GAAACCGCGAGAGAAACCGCGUAUCA**A** 100  
MBFV-NC\_012533.1 GG--C---C---GCAUCG**CGGCCUAUCAAUAGCU**GAAAGCGCUUUGGAUCUAGCGCUGGCC 100  
MBFV-NC\_035889.1 UC--C---G---GAGGAUUC**CGGAUUGUCAAUUAGCU**AAAACCGCGGAGUAGCCCGUG----- 100  
MBFV-NC\_012532.1 UC--C---GGAGGA-UC**CGGAUUGUCAAUUAGCU**AAAACCGCGGAGUAGCCCGUG----- 100  
MBFV-NC\_012735.1 AGUCUCGGG**CGUCACGACCC**CGGGCG**UCAAUUAGGUA**-GCGGCUAGA-----GUGA 100  
MBFV-NC\_008719.1 AGUCUCGGG**CGUCACGACCC**CGGGCG**UCAAUUAGGUG**-ACGGCCAAG-----GCCA 100  
MBFV-NC\_002031.1 AAGCUCAG**GGAAAAACC**UGGGCG**UCAAUUAGGUA**---CGACGAGGAGUUCGCUCCUUGU 100  
0.....70.....80.....90.....100.....110.....1



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MBFV-NC\_001437.1 NNNNNNNN-----CAUAU**UGA**---CACCUGGGAA-UAGACUGGGGAGAU 139  
MBFV-NC\_009029.2 NNNNNNNNAGCGCA-AA-CACAAAAC**AGCAUAUUGACACCUGGGA**--AAGACUAGGGGAU 156  
MBFV-NC\_032088.1 NNNNNNNNUACCGC-AA-AACAAAAC**AGCAUAUUGACACCUGGGA**--UAGACUAGGGGAU 156  
MBFV-NC\_001563.2 NNNNNNNNAAACAC-CA-AAAGAAAC**AGCAUAUUGACACCUGGGA**--UAGACUAGGGGAU 156  
MBFV-NC\_009942.1 NNNNNNNNAACACC-AC-AACAAAAC**AGCAUAUUGACACCUGGGA**--UAGACUAGGGGAU 156  
MBFV-NC\_006551.1 NNNNNNNNUAAGCA-UC-AAAAAAAC**AGCAUAUUGACACCUGGGA**--UAGACUAGGGGAU 158  
MBFV-NC\_000943.1 NNNNNNNNAAAAGC-AU-CAAACAAC**AGCAUAUUGACACCUGGGA**--AGACUAGGGGAU 157  
MBFV-NC\_007580.2 NNNNNNNNCCGUUA-ACGCAACAAC**AGCAUAUUGACACCUGGGA**--AGAC-AGGAGAU 155  
MBFV-NC\_012534.1 NNNNNNNNAACACC-AA-AACAAAAC**AGCAUAUUGACACCUGGGA**--GAGACUAGGAGAC 156  
MBFV-NC\_015843.2 NNNNNNNNGAACAC-CA-CAAAAAC**AGCAUAUUGACACCUGGGA**--UAGACUAGGAGAC 156  
MBFV-NC\_009028.2 NNNNNNNNCAAGCG-CGAA-ACAAAC**AGCAUAUUGACGCCUGGGA**--AAGACCGGGGAGAU 156  
MBFV-NC\_040776.1 NNNNNNNN-AAGCG-CAAAGACAAAC**AGCAUAUUGACACCUGGGA**--AAGACCGGGGAGAC 156  
MBFV-NC\_034151.1 NNNNNNNNGAA-CG-CAAAUAAAAC**AGCAUAUUGACACCUGGGA**--UAGACUGGGGAGAC 156  
MBFV-NC\_009026.2 NNNNNNNN-ACGCA-CCAAAAGAAAC**AGCAUAUUGACACCUGGGA**--UAGACCGGAGAAU 156  
MBFV-NC\_001474.2 NNNNNNNNCCCCCG-AAACAAAAAC**AGCAUAUUGACG-CUGGGA**--AAGACCAGAGAUCC 156  
MBFV-NC\_001477.1 NNNNNNNNCCCGCA-CAACAACAAC**AGCAUAUUGACG-CUGGGA**--GAGACCAGAGAUCC 156  
MBFV-NC\_001475.2 NNNNNNNNCCCCCG-CAAAUAAAAAC**AGCAUAUUGACG-CUGGGA**--GAGACCAGAGAUCC 156  
MBFV-NC\_002640.1 NNNNNNNNCCCCC-AACACAAAAAC**AGCAUAUUGACG-CUGGGA**--AAGACCAGAGAUCC 156  
MBFV-NC\_012533.1 NNNNNNNNUAAC--CAACAUAAC**AGCAUAUUGACACCUGGGA**--AAGACCAGAGAUCC 156  
MBFV-NC\_035889.1 NNNNNNNN-CCCGAAACCGCAAAAC**AGCAUAUUGACG-CUGGGA**--AAGACCAGAGAUCC 156  
MBFV-NC\_012532.1 NNNNNNNNCCCGGAAACCGCAAAAC**AGCAUAUUGACG-UUGGGA**--AAGACCAGAGAUCC 156  
MBFV-NC\_012735.1 NNNNNNNNCCCGAGCACACAUAGC-GG**ACCAUAUUGACGCCAGGGA**--AAGACCAGAGAUCC 157  
MBFV-NC\_008719.1 NNNNNNNNCCGAGC-UAUAGC-GG**ACCAUAUUGACGCCUGGGA**--AAGACCAGAGAUCC 156  
MBFV-NC\_002031.1 NNNNNNNN-AGGGAACAAAUAGUGGG**ACCAUAUUGACGCCAGGGA**--AAGACCAGAGUGGU 157  
20.....130.....140.....150.....160.....170.....1



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MBFV-NC\_001437.1 UUCUGCUCUAUCUCAACAUCAGCUACUA 167  
MBFV-NC\_009029.2 UGCUGC-UCUGG----- 167  
MBFV-NC\_032088.1 CGCUGC-UCUGG----- 167  
MBFV-NC\_001563.2 UUCUGC-UCUGC----- 167  
MBFV-NC\_009942.1 UUCUGC-UCUGC----- 167  
MBFV-NC\_006551.1 UUCUGC-UCU----- 167  
MBFV-NC\_000943.1 UUCUGC-UCUA----- 167  
MBFV-NC\_007580.2 CCCUGCUUUUUC----- 167  
MBFV-NC\_012534.1 CUCUGU-CCUAA----- 167  
MBFV-NC\_015843.2 CUCUGU-CCUAA----- 167  
MBFV-NC\_009028.2 CUCUGC-UUUC----- 167  
MBFV-NC\_040776.1 CUCUGC-UCUG----- 167  
MBFV-NC\_034151.1 CUCUGC-UUAUU----- 167  
MBFV-NC\_009026.2 UGCUGCCUC-GC----- 167  
MBFV-NC\_001474.2 UGCUGUCUCCU----- 167  
MBFV-NC\_001477.1 UGCUGUCUCUA----- 167  
MBFV-NC\_001475.2 UGCUGUCUCCU----- 167  
MBFV-NC\_002640.1 UGCUGUCUCUG----- 167  
MBFV-NC\_012533.1 UGUUGGCUUUC----- 167  
MBFV-NC\_035889.1 CAUGAGUUUC----- 167  
MBFV-NC\_012532.1 CAUGAGUUUC----- 167  
MBFV-NC\_012735.1 UCCUUGAUUC----- 167  
MBFV-NC\_008719.1 UCCUUGAUUC----- 167  
MBFV-NC\_002031.1 UCUCUGCUU-U----- 167  
80.....190.....200.....

