```
                   .........10........20........30........40........50.......6
MBFV-NC_002031.1   ---------------UAAUCGUUCGUUGAGCG-AUUAGCAGAGAACUGACCAG--AACAUGUC--  45
MBFV-NC_012735.1   -----------UUUCUACUGAAAGGAGUAGAAGAAAGGAGAUUCAUUC--CCAAUGGCAA         47
MBFV-NC_008719.1   -----------AUUUCUACUGAAAGG-GUAGAGAAAAGGAGAUUCAUUC--CUCAUGGCAA       47
MBFV-NC_012532.1   AAC-----AGGUUUU----AAUUUGGAUUUGGAAACGAGAGUUUCUGG--UCAUGAAAA         47
MBFV-NC_035889.1   ACA-----GGUUUU------AUUUUGGAUUUGGAAACGAGAGUUUCUGG--UCAUGAAAA        47
MBFV-NC_012533.1   AAC-----AGUUUU------CGUGUUGAGAAAUAAACAGAUCUUCGG--AAAUGAAAA          47
MBFV-NC_002640.1   ---------UCUAACAGUUUGUUUGAAUAGAGAGCAG-AUCUCGGAAAAAUG---A            44
MBFV-NC_001477.1   ACG-----UAGUUCUAACAGUUU-UUU-AUUAGAGAGCAG-AUCUCUG-----AGAACA        47
MBFV-NC_001475.2   ACG-----UAGUGCUGACAGUUU-UUU-AUUAGAGAGCAG-AUCUCUG-----AUGAACA       47
MBFV-NC_001474.2   -CG-----UAGUUCUAACAGUUU-UUUAAUUAGAGAGCAG-AUCUCUG-----AUGAAUA       47
MBFV-NC_034151.1   U------AACACAGUGUGAAUAGUUUUUUUGAACA-GAGGUGAAAA----CCAUGUCUA        47
MBFV-NC_012534.1   CCGU-----AACACAGUUUGAAC-GUUUUUUUGGAGA-GA-----GAUUA----UUAUGUUUA    47
MBFV-NC_015843.2   ACGU-----AACACAGUUUGAAC-GUUUUUUUGGAUA-GA---GACAA----CUAUGUCUA      47
MBFV-NC_009028.2   U--U-----UAACACAGUCUGAAUAGUUUUUUUAGCA--AGGGA-UUUC---CCAUGUCUA      47
MBFV-NC_040776.1   U--U-----UAACACAGUCUGAAUAGUUUUUUUAGCA--GAGGU-ACUA----CCAUGUCUA     47
MBFV-NC_001563.2   A--U-----UAACAGUGUGCGAGCUGUUUCUUUGGCAC-GAAGA-UCU-----CGAUGUCUA     47
MBFV-NC_009942.1   A--U-----UAACACAGUGCGAGCUGUUUCUUUGGCAC--GAAGA-UCU-----CGAUGUCUA    47
MBFV-NC_007580.2   ---U-----AACUUGACUGCGAACAGUUUUUU--AGCAGGGAAAUUACC----CAAUGUCUA     47
MBFV-NC_000943.1   ---U-----UAACGCGGUUUACACAGUUUUUUGGAGCUUUUGAUUU-C----AAAUGUCUA      47
MBFV-NC_006551.1   ---U-----UAACACAGUGCCGGCAGUUUCUUUGAGC-GUUGAUUU-U----CAAUGUCUA      47
MBFV-NC_001437.1   ---U-----UGUGUACAGUGUAAACAGUUUUUUUGAACGGAAGAUAA-C----C-AUGACCA     47
MBFV-NC_009029.2   UGAUUACAUAACACAGUGUGAACAAGUUUUUUUGAACAG----------CAAUGACCA         47
MBFV-NC_032088.1   UC----UAUUACUCAGUGUGAAACAAGUUUUUGAUCAGUUGA----------UAAUGACAA      47
MBFV-NC_009026.2   ---------AGAAAGUUUUCGAGGAAAGACGAGAGACGUGAAUUCUCU---GAAUGGCUA       47
MBFV-NC_018705.3   CCGU-----AACACAGUUUGAACGUUUUUUUGGAGAGAGACUA---------CUAUGUCAA      47
```

```
                   .......(((((...((.((........(((((((.((((((((((((((((.
MBFV-NC_002031.1   -------UGGUCGUAAAGCUCAGGGAAAAACUCUGGGCGUCAGGAUGGU-ACGACGAGGA        97
MBFV-NC_012735.1   CAAAGGGGAUGAAUAAGCUCUCGGGUCUGACCCUCGAGGCGUCAAUAUGGUGACGGCUAGA-   106
MBFV-NC_008719.1   CAAGAGGGAUGCAAGCAAGUCUCGGGUCACGACCCUCGGGGCGUCAAUAUGGUGACGGCCAAG-  106
MBFV-NC_012532.1   -ACCCCAAAGAAGAAAU--CCGGAGGA-UCCCGAUGUCAAUAUGCUAAAACGCGGGAGUA      103
MBFV-NC_035889.1   -A-CCCAAAAAAGAAAU--CCGGAGGAUUCCGGAUGUCAAUAUGCUAAAACGCGGGAGUA      103
MBFV-NC_012533.1   ---CCCAAAAAAGG-------GCCGCAUCGCGGCCUAUCAAUAUGCUGAAGCGCUUUGGA      97
MBFV-NC_002640.1   -A--CCAACGAAAAAG--GUG--GUUUAGACCACCUUUCAAUAUGCUAAAACGCGAGGA       97
MBFV-NC_001477.1   -A--CCAACGGAAAAG--ACG---GGUCGACCCUUUCAAUAUGCUGAAACGCGCGAGA        100
MBFV-NC_001475.2   -A--CCAACGGAAAAG--ACG--GGAAAACGUCUUACAAUAUGCUGAAACGCGUGAGA        100
MBFV-NC_001474.2   -A--CCAACGGAAAAG--GCG--AAAAACACGCCUUUCAAUAUGCUGAAACGCGAGAGA       100
MBFV-NC_034151.1   ---AAAAACCAGGAGGACCCGGAAAGAACCCGGGUCGUUAAUAUGCUAAAACGCGGUGGA      103
MBFV-NC_012534.1   -ACAAAAAACCAGGAAAACCCGGCACCCGGGGUUGUCAAUAUGCUAAAACGCGGUGGCA      106
MBFV-NC_015843.2   -ACAAAAAACCAGGAGACCCGGCUCAGGCCCGGGUCGUUAAUAUGCUAAAGCGCGGAACG     106
MBFV-NC_009028.2   ----AAAAACCAGGAGGAUCCCUGCAAAGCGGAGUCAAUAUGCUAAAACGCGGCUGGCA      103
MBFV-NC_040776.1   ----AAAAACCAGGAGGACCCCGGAAAGCGGAGUCGUUAAUAUGCUAAAACGCGGCCAGCC    103
MBFV-NC_001563.2   ----AGAAACCAGGAGGGCCCGGUAAAAACCGGGCUGUCAAUAUGCUAAAAACGCGGUAUG    103
MBFV-NC_009942.1   ----AGAAACCAGGAGGGCCCGGCAAGAGCCGGGCUGUCAAUAUGCUAAAAGCGCGGAAGA    103
MBFV-NC_007580.2   ----AAAAACCAGGAGGACCCGGGGAAGCCCGGGCUGUCAAUAUGCUAAAAGCGCGGCGUA    103
MBFV-NC_000943.1   ----AAAAACCAGGAGGACCCCGGAAAGCCCGGUCGUCAAUAUGCUAAAAGCGCGGCAUA     103
MBFV-NC_006551.1   ----AGAAACCAGGAGGGCCCGGAAGAAAACGGGCCAUCAAUAUGCUGAAAACGCGGCAUA    103
MBFV-NC_001437.1   ----AAAAACCAGGAGGGCCCGGUAAAAACCGGGCUAUCAAUAUGCUGAAAACGCGGCCUA    103
MBFV-NC_009029.2   ----AAAAACCAGGAGGACCCGGCAAGAGCCGGGCCGUCAAUAUGCUAAAAACGCGGUGUG    103
MBFV-NC_032088.1   ----GAAAACCAGGAGAAGUCCGGCAAUCGUCCGACGUCAAUAUGCUAAAGCGUACGGCG     103
MBFV-NC_009026.2   -ACAAAAAACCAGGAAGACCCGGGGCAACCCGGGUUGUCAAUAUGCUAAAGCGCGGCGCA     106
MBFV-NC_018705.3   -ACAAAAAACCAGGAAGACCCGGGGACCAACCCGGGUUGUGCAAUAUGCUAAAGCGCGGCGCA   106
```

```
                   0.......70........80........90........100.......110.......1
                   .......................................................)
MBFV-NC_002031.1   GUUCGCUCCUUGUNNNNNNN-----------GAGACCCUCCAGGGAACAAUAGUGGGAC    146
MBFV-NC_012735.1   ---------GUGANNNNNN--------C-CCAUUCCCCUCCCGAGCACACAUAGC-GGAC    147
MBFV-NC_008719.1   ---------GCCANNNNNNN--------GAGGAGACCCUCCCGAGCAC-UAUAGC-GGAC    147
MBFV-NC_012532.1   GCCCGUG------NNNNNNN-------GGUUAGAGGGAGACCCCCCGGAAACGCAAAAC    149
MBFV-NC_035889.1   GCCCGUG------NNNNNNN-------GUUAGAGGAGACCCCGGAAAACGCAAAAC      148
MBFV-NC_012533.1   UCUAGCGCUGGCCNNNNNNN-------GAGACCCCCGCGCCCAUAACCAACAUAAAAC    149
MBFV-NC_002640.1   AACCGCGUAUCAANNNNNNNNACUAG--AGGUUAGAGGAGACCCCCCAACA--CAAAAAC    153
MBFV-NC_001477.1   AACCGUGUGU---NNNNNNN-UAG----AGGUUAGAGGAGACCCCCCGCACCAACAACAA    153
MBFV-NC_001475.2   AACCGUGUGU---NNNNNNNACUAG--AGGUUAGAGGAGACCCCCCG--CAAAUAAAAC    153
MBFV-NC_001474.2   AACCGUGUGU---NNNNNNN-CUAG--AGGUUAGAGGAGACCCCCC-CGAAACAAAAAC    153
MBFV-NC_034151.1   CGCGCUA------NNNNNNNN-------AGACCCCUUGGCAGUGAACG-CAAA-UAAAAC    148
MBFV-NC_012534.1   U---CCC------NNNNNNNA-GG----AGACCCUUGCGAGUUAACACCAAA-ACAAAC    151
MBFV-NC_015843.2   U---CCC------NNNNNNNN-------AGACCCUUGCGAGUGUGAACACCACA-A-GAAAC  151
MBFV-NC_009028.2   AGCGUGU------NNNNNNNGUGG----AGACCCUCAGCAC-CAAGCGCGAA--ACAAAC    151
MBFV-NC_040776.1   AGCGUUU------NNNNNNNGAGG----AGACCCCCACACAAGCGCAAA-GACAAAC      152
MBFV-NC_001563.2   CCCCGCG------NNNNNNN--GG----AGACCCGUGCCA-AAAACACCA-A-ACAAAC    151
MBFV-NC_009942.1   CCCCGCG------NNNNNNNN-------AGACCCGUGCCACAAAACACCACA-ACAAAC    151
MBFV-NC_007580.2   UCCCGCG------NNNNNNN-UU----AGAGGAGACCCCUUGCCGUUAACGC-AAACAAC    151
MBFV-NC_000943.1   CCCCGCG------NNNNNNN---G----ACCCCACUCUCAAAAGCAUC-----AAACAAC    145
MBFV-NC_006551.1   CCCCGCG------NNNNNNN--------ACCCCGCA-UCAUAAGCAUCA------AAAAC   144
MBFV-NC_001437.1   CCCCGCG------NNNNNNN---U----AGAGGAGACCCGCAUUUGCA------UCA-AAC  145
MBFV-NC_009029.2   UCCCGCG------NNNNNNNAGAGG--AGACCCUCCCCACAAAGAAGCGCAAACACAAAC   155
MBFV-NC_032088.1   UCCCGCG------NNNNNNNAGAGGUUAGAGGAGACCCCCACAUACCGCAAA-ACAAAAC   156
MBFV-NC_009026.2   GCCAACG------NNNNNNN---------CCCUCUGGCAAAACAGUUAACGCACCAAAGAAAC  152
MBFV-NC_018705.3   UCCC---------NNNNNNN---------CCCGCGGAAAUCAAAGCAAGGCCCAACCU   147
```

```
                   20.......130.......140.......150.......160.......170.......1
                   )))))))).)))))))))))........))).)))...))))...........
MBFV-NC_002031.1   CAUAUU-GACGCCAGGGA----AAGACC-GGAGUGGUUCUGCUUUUC-CUCCAGAGGU    199
MBFV-NC_012735.1   CAUAUU-GACGCCAGGGA----AAGACC-GGAGCACUCCUUGAUUCUCACCUUUCUCGC   201
MBFV-NC_008719.1   CAUAUU-GACGCCUGGGA----AAGACC-GGAGCACUCCUUGAUUCUCACCUUUCUCAC   201
MBFV-NC_012532.1   AGCAUA-UUGACG--UGGGA--AAGACCA-GAGACUCCAUGAGUUU-CCACCACGCUGGC 202
MBFV-NC_035889.1   AGCAUA-UUGACG-CUGGGA--AAGACCA-GAGACUCCAUGAGUUU-CCACCACGCUGGC 202
MBFV-NC_012533.1   AGCAUA-UUGACACCUGGGA--AAGACCG-GAGACUCGUGUUGGCUU-UCCCCACACCAGU 204
MBFV-NC_002640.1   AGCAUA-UUGACG-CUGGGA--AAGACCA-GAGAUCCUGCU-GUCU-CUGCAACAUCA--  204
MBFV-NC_001477.1   AGCAUA-UUGACG-CUGGGA--GAGACCA-GAGAUCCUGCU-GUCU-CUACAGCAUCA-- 204
MBFV-NC_001475.2   AGCAUA-UUGACG-CUGGGA--AAGACCA-GAGAUCCUGCU-GUCU-CCUCAGCAUCA-- 204
MBFV-NC_001474.2   AGCAUA-UUGACG-CUGGGA--AAGACCA-GAGAUCCUGCU-GUCU-CCUCAGCAUCA-- 204
MBFV-NC_034151.1   AGCAUA-UUGACACCUGGGA--UAGACUGGGAGACCCUC-UGCUGUCA-UUUCAACACCAGC 203
MBFV-NC_012534.1   AGCAUA-UUGAGACCUGGGA--GAGACUGAGGAGACCCUC-UG--UCC-UAACAACCAGC 205
MBFV-NC_015843.2   AGCAUA-UUGAUCCUGGGA--UAGACUGAGGAGACCCUC-U-U-UCC-UAACAACCAGC  204
MBFV-NC_009028.2   AGCAUA-UUGACGCUCUGGGA-AAGACCGGGGAGACCCUC-U--GCU-UUCCAUCAUCAGC 205
MBFV-NC_040776.1   AGCAUA-UUGACGCCUGGGA--UAGACUGGGGGAGACCCUC-U--GCU-CUGCAACAUCAGC 205
MBFV-NC_001563.2   AGCAUA-UUGACACCUGGGA--UAGACUAGGGGAUCUUC-U--GCU-CUGCAACAAUCAGC  204
MBFV-NC_009942.1   AGCAUA-UUGAUCACCUGGAA--AGAC-AGGAGAUCCCC-UGCUU--UUUCAACACCAGC  203
MBFV-NC_007580.2   AGCAUA-UUGACACCUGGAA---AGAC-AGGAGAUCCCC-UGCUU--UUUCAACACCAGU  202
MBFV-NC_000943.1   AGCAUA-UUGACGCUGGAA--AAGACUAGGAGAGAUCUUC-UGCUCUAUUCCAACAUCAAC 202
MBFV-NC_006551.1   AGCAUA-UUGACGCUGGGA--UAGACUAGGAGAGAUCUUC-UGCUCUAUUCCAACAUCAGU 202
MBFV-NC_001437.1   AGCAUA-UUGACGCCUGGGA--UAGACUAGGGGAUUUGC-UGCUC---UGGACUUCCGGC  208
MBFV-NC_009029.2   AGCAUA-UUGACGCUCUGGGA--UAGACUAGGGGAUUUGC-UGCUC---UGGAACCCCAGU 209
MBFV-NC_032088.1   AGCAUA-UUGACGCCUGGA--UAGACC-GAGGAGAUUUUGC-UGCUC---UGGAACCCCAGU 209
MBFV-NC_009026.2   GGC-U-AAGCUCUAAACCAGGGGAGGGACUAGAGGUUAGAGGAGACCCCUUGCG--AGUGA   205
MBFV-NC_018705.3   GGC-U-AAGCUCUAAACCAGGGGAGGGACUAGAGGUUAGAGGAGACCCCUUGCG--AGUGA   205
```

```
                   80.......190.......200.......210.......220.......230.......2
                   ....................................................
MBFV-NC_002031.1   CUGUGAGCACAGUUUGCUCAAGAAUUAAGCAGACCUUUGGAUGACAAACACAAAACCACU   258
MBFV-NC_012735.1   CCUAAAGCACAGAUUGCUU--GAAUGCAGGGCGGGGAAGUUGGAACCAACUAGUGUCU     258
MBFV-NC_008719.1   CCUUAAACACAGAUUGCUU--GAAUGCAGGGUGUGGGAAGUUGGGAACCAACUAGUGUCU   258
MBFV-NC_012532.1   CGCCAGGCACAGAUCGCC---GAACUUCGGCGGCCGGUGUGGGGAAAUCCAUGGGUCUU   258
MBFV-NC_035889.1   CGCCAGGCACAGAUCGCC---GAAUAUCGGCGGCCGGUGUGGGGAAAUCCAUGGGUCUU   258
MBFV-NC_012533.1   CCCCUGGCACAGACGCGCC-----AGAUCGGGGUGUUGGGUGUUGGAGCAACCCAACAGGACU 258
MBFV-NC_002640.1   AUCCAGGCACAGAUCGCC---GCAACGAUG--GAUUGGUUGUUGUUGAUCAACAGGGUUCU   258
MBFV-NC_001477.1   UUCCAGGCACAGAACGCC---AAAAAAUG--GAAUGGUUGUUGUUGAUCAACAGGUUCU    258
MBFV-NC_001475.2   UUCCAGGCACAGAACGCC---AGAAAAAUG--GAAUGGUCGUUGUUGAUCAACAGGUUCU   258
MBFV-NC_001474.2   UUCCAGGCACAGAACGCC---AGAAAAUG--GAAUGGUCGUUGUUGAUCAACAGGUUCU   258
MBFV-NC_034151.1   CACUCGCACAGAACGCC---GUAAGU-GUGGCUGGUGGUGUGAAAUAAACACAGAGUCU    258
MBFV-NC_012534.1   CAUCCGCACAGAACGCC---GUAAGU-GUGGCUGGUGGUGUGGA--GAACAGGAUUCU    258
MBFV-NC_015843.2   CACUUGCACAGAUCGCC---GAAAGU-GUGGCUGGUGGUGUGGUA--GAACAGGAUUCU   258
MBFV-NC_009028.2   CACUAGCACAGAACGCC---GCAAGUAGUGGCUGGUGUGUGGAAA--AACACAUGGAUCU  258
MBFV-NC_040776.1   CACACGCACAGAUCGCC---GAAAUCUGUGGCUGGUGGUGUGCAA--AACACA-GGAUCU  258
MBFV-NC_001563.2   CACACGCACAGUGCGCC---GACAUAGGUGGCUGGUGGUGUGCUA--GAACAGGAUUCU   258
MBFV-NC_009942.1   CACACGCACAGUGCGCC---GCAAUGGUGGCUGGUGGUGUGGA--AAAUCAGGAUUCU    258
MBFV-NC_007580.2   CACAGGCACCGACGCCC---GUAAAUGUAGCUGGUGGUGGUGGGA--AAAAUCAGGAUUCU 258
MBFV-NC_000943.1   CACAGGCACAGACGCC----GAACACUGUGGCUGGUGUGGGUAGUAGGAACUAGGAUUCU  258
MBFV-NC_006551.1   CACAGGCACAGAUGCC----GAAAUUGUAGCUGGUGGUGGAGUAGGAACUAGGAUUCU   258
MBFV-NC_001437.1   UACACGCACAGACGCC----GAAGUAUGUAGCUGGUGGUGGAGUAGGAACUAGGAUUCU   258
MBFV-NC_009029.2   U-CUAGGCACAGAACGCC----GUUGAGA------GCCGGAGGCUUAGGAGCGAUUUGU   258
MBFV-NC_032088.1   U-CUAGGCACAGAACGCC----G-UAAUGA------ACUGGGGUGUCCAAAACCAUAUU  258
MBFV-NC_009026.2   CACACGCACAGACGCC----GACA-UGGGUGGAGGUGGAAGGCAAA--GACACAGGAUUCU  258
MBFV-NC_018705.3   CACCACACAAGCAGC----AUAUUGACACCUGGGGAACUAGGAGCUAGGAUUCCUGU    258
```

```
                   40.......250.......260.......270.......280.......290.......
```