```
MBFV-NC_009029.2
MBFV-NC_032088.1
MBFV-NC_009028.2
MBFV-NC_040776.1
MBFV-NC_04151.1
MBFV-NC_034151.1
MBFV-NC_001563.2
MBFV-NC_001437.1
MBFV-NC_001437.1
MBFV-NC_0006551.1
MBFV-NC_006551.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012532.1
MBFV-NC_012532.1
MBFV-NC_012532.1
MBFV-NC_012533.1
MBFV-NC_001477.1
MBFV-NC_001477.1
dISFV-NC_001475.2
dISFV-NC_001475.2
dISFV-NC_001477.1
dISFV-NC_012735.1
MBFV-NC_001477.1
dISFV-NC_012735.1
MBFV-NC_012735.1
MBFV-NC_012735.1
MBFV-NC_012735.1
MBFV-NC_012735.1
MBFV-NC_012735.1
MBFV-NC_012735.1
MBFV-NC_012735.1
                                                                                                46
                                                                                                                                                                                                                                                                                                                                                                                                          46
                                                                                                                                                                                                                                                                                                                                                                                                          46
                                                                                                                                                                                                                                                                                                                                                                                                        48
                                                                                                                1 Martin Maria Mar
                                                                                                 MBFV-NC_009029.2
MBFV-NC_032088.1
MBFV-NC_032088.1
MBFV-NC_009028.2
MBFV-NC_009028.2
MBFV-NC_040776.1
MBFV-NC_034151.1
MBFV-NC_001563.2
MBFV-NC_001437.1
MBFV-NC_001437.1
MBFV-NC_001437.1
MBFV-NC_00551.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012532.1
MBFV-NC_012532.1
MBFV-NC_012533.1
MBFV-NC_001477.1
MBFV-NC_001477.1
MBFV-NC_001477.1
MBFV-NC_001477.1
dISFV-NC_012735.1
MBFV-NC_012735.1
                                                                                                                  97
97
                                                                                                                                                                                                                                                                                                                                                                                                          97
                                                                                                                                                                                                                                                                                                                                                                                                          97
97
                                                                                                                                                                                                                                                                                                                                                                                                          97
                                                                                                                                                                                                                                                                                                                                                                                                          100
                                                                                                                                                                                                                                                                                                                                                                                                          97
                                                                                                                                                                                                                                                                                                                                                                                                          94
                                                                                                                                                                                                                                                                                                                                                                                                          97
                                                                                                                                                                                                                                                                                                                                                                                                          91
                                                                                                                                                                                                                                                                                                                                                                                                          94
                                                                                                                                                                                                                                                                                                                                                                                                          94
                                                                                                                                                                                                                                                                                                                                                                                                          98
                                                                                                                                                                                                                                                                                                                                                                                                          98
                                                                                                                                                                                                                                                                                                                                                                                                          98
                                                                                                                                                                                                                                                                                                                                                                                                          94
                                                                                                                                                                                                                                                                                                                                                                                                         97
                                                                                                                                                                                                                                                                                                                                                                                                         103
                                                                                                MBFV-NC_009029.2
MBFV-NC_032088.1
MBFV-NC_032088.1
MBFV-NC_009028.2
MBFV-NC_040776.1
MBFV-NC_04151.1
MBFV-NC_034151.1
MBFV-NC_009942.1
MBFV-NC_001437.1
MBFV-NC_001437.1
MBFV-NC_001580.2
MBFV-NC_000943.1
MBFV-NC_01534.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012532.1
MBFV-NC_012532.1
MBFV-NC_012533.1
MBFV-NC_012533.1
MBFV-NC_012533.1
MBFV-NC_01477.1
MBFV-NC_001477.1
MBFV-NC_001477.1
MBFV-NC_001475.2
dISFV-NC_001475.2
dISFV-NC_001475.1
MBFV-NC_0012735.1
MBFV-NC_002031.1
dISFV-NC_040610.1
dISFV-NC_040610.1
dISFV-NC_018705.3
                                                                                                    (.....((.....))))
                                                                                                                                                                                                                                                                                                                                                                                                         145
                                                                                                                                                                                                                                                                                                                                                                                                         147
                                                                                                                                                                                                                                                                                                                                                                                                          142
                                                                                                                                                                                                                                                                                                                                                                                                          142
                                                                                                                                                                                                                                                                                                                                                                                                          138
                                                                                                                                                                                                                                                                                                                                                                                                          142
                                                                                                                                                                                                                                                                                                                                                                                                         141
                                                                                                                                                                                                                                                                                                                                                                                                          137
                                                                                                                                                                                                                                                                                                                                                                                                          143
                                                                                                                                                                                                                                                                                                                                                                                                          136
                                                                                                                                                                                                                                                                                                                                                                                                          141
                                                                                                                                                                                                                                                                                                                                                                                                          142
                                                                                                                                                                                                                                                                                                                                                                                                          142
                                                                                                                                                                                                                                                                                                                                                                                                          138
                                                                                                                                                                                                                                                                                                                                                                                                          142
                                                                                                                                                                                                                                                                                                                                                                                                          142
                                                                                                                                                                                                                                                                                                                                                                                                          146
                                                                                                                                                                                                                                                                                                                                                                                                          146
                                                                                                                                                                                                                                                                                                                                                                                                          138
MBFV-NC_009029.2
MBFV-NC_032088.1
MBFV-NC_032088.1
MBFV-NC_009028.2
MBFV-NC_040776.1
MBFV-NC_034151.1
MBFV-NC_034151.1
MBFV-NC_001563.2
MBFV-NC_001437.1
MBFV-NC_001437.1
MBFV-NC_001580.2
MBFV-NC_000943.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012532.1
MBFV-NC_012532.1
MBFV-NC_012533.1
MBFV-NC_012735.1
MBFV-NC_001477.1
dISFV-NC_012735.1
MBFV-NC_012735.1
dISFV-NC_012735.1
dISFV-NC_016997.1
dISFV-NC_016997.1
dISFV-NC_018705.3
                                                                                                                  .....)))))))))))))))
                                                                                                   AACACAAAACA<mark>GCAUAUUGA</mark>CACCUGGGA--AAGACUA<mark>G</mark>GGGAUUUGCUGCUC----UG
AA-ACAAAACA<mark>GCAUAUUGA</mark>CACCUGGGA--UAGACUA<mark>G</mark>GAGAUCCGCUGCUC----UG
GAA-ACAAACA<mark>GCAUAUUGA</mark>CGCCUGGGA--AAGACCG<mark>G</mark>GAGAUCCUCUGCU---U-UCC
                                                                                                                                                                                                                                                                                                                                                                                                          199
                                                                                                                                                                                                                                                                                                                                                                                                          195
                                                                                                                                                                    AUAUUGACGCCUGGGA - AAGACCGGGAGCCCUCUGCU - - UGCC
AUAUUGACACCUGGGA - AAGACCGGGAGACCCUCUGCUUA - U - UUC
AUAUUGACACCUGGGA - UAGACUAGGGAGACCCUCUGCUUA - U - UUC
AUAUUGACACCUGGGA - UAGACUAGGGGAUCUUC - UGCUC - UGCAC
AUAUUGACACCUGGGA - UAGACUAGGAGAUCUUC - UGCUC - UGCAC
                                                                                                   AAAGACAAACA<mark>GC</mark>
                                                                                                                                                                                                                                                                                                                                                                                                          196
                                                                                                   AAAUAAAAACAGC
                                                                                                                                                                                                                                                                                                                                                                                                         194
197
                                                                                                   A-AAAGAAACA<mark>GC</mark>
ACAACAAAACA<mark>GC</mark>
                                                                                                           DAACAAAACAGCAUAUUGACACCUGGGA - UAGACUAGGAGAUCUUC - UGCUC - UGCAC - CAUCAAACAGCAUAUUGACACCUGGGA - UAGACUAGGAGAUCUUC - UGCUC - UGCAC - CAAACAACAGCAUAUUGACACCUGGAA - - AGACAG - - - GAGAUCCCCUGCU - UUUUC - - AAACAACAGCAUAUUGACACCUGGGAA - AAGACUAGGAGAUCUUCUGCUCU - AUUCC - AAAAAAAACAGCAUAUUGACACCUGGGAA - AAGACUAGGAGAUCUUCUGCUCU - AUUCC - AAAAAAAACAGCAUAUUGACACCUGGGA - - GAGACUAGGAGAUCUUCUGCUCU - AUUCC - AAACAAACAGCAUAUUGACACCUGGGA - - UAGACUAGGAGACCCUCUGUC - - CUAAC AAAAAAACAGCAUAUUGACACCUGGGA - UAGACUAGGAGACCCUCUGUC - - CUAAC AAAAGAAACAGCAUAUUGACACCUGGGA - UAGACC - GGAGAAUUUGCUGCCU - CG - C - - GAAGGGCACUAUUGACACCUGGGA - AAGACCAGAGGUACUCGCUGAUU - CACC - - GCAAAACAGCAUAUUGACG - UGGGA - AAGACCAGAGACUCCAUGAGUUU - CCACC - - GCAAAACAGCAUAUUGACG - CUGGGA - AAGACCAGAGACUCCAUGAGUUU - CCACC - - AUAAAACAGCAUAUUGACG - CUGGGA - AAGACCAGAGACUCCUUGGCUU - UCCCC - - CAAAAACAGCAUAUUGACG - CUGGGA - AAGACCAGAGACUCCUG - - CUGU - CUCUG - - CAAAAACAGCAUAUUGACG - CUGGGA - AAGACCAGAGAUCCUG - - CUGU - CUCUG - - AAAAAACAGCAUAUUGACG - CUGGGA - AAGACCAGAGAUCCUG - - CUGU - CUCUG - - AAAAAACAGCAUAUUGACG - CUGGGA - AAGACCAGAGAUCCUG - - CUGU - CUCUG - - AAAAAACAGCAUAUUGACG - CUGGGA - AAGACCAGAGAUCCUG - - CUGU - CUCUG - - AAAAAACAGCAUAUUGACG - CUGGGA - AAGACCAGAGAUCCUG - - CUGU - CUCUG - - AAAAAACAGCAUAUUGACG - CUGGGA - AAGACCAGAGAUCCUG - - CUGU - CUCCU
                                                                                                                                                                                                                                                                                                                                                                                                          197
                                                                                                                                                                                                                                                                                                                                                                                                          193
                                                                                                                                                                                                                                                                                                                                                                                                          194
                                                                                                    --CAAACAACA<mark>GC</mark>
                                                                                                                                                                                                                                                                                                                                                                                                          193
                                                                                                                                                                                                                                                                                                                                                                                                          193
                                                                                                          -AAAAAAACA<mark>GC</mark>
                                                                                                   AAAACAAAACAGC
                                                                                                                                                                                                                                                                                                                                                                                                          196
                                                                                                   ACAA-GAAACA<mark>GC</mark>
                                                                                                                                                                                                                                                                                                                                                                                                          196
                                                                                                                                                                                                                                                                                                                                                                                                          196
                                                                                                   CAAAAGAAACAGC
                                                                                                     ---GAAGGGCA<mark>CU</mark>
                                                                                                                                                                                                                                                                                                                                                                                                          192
                                                                                                                                                                                                                                                                                                                                                                                                          194
                                                                                                                                                                                                                                                                                                                                                                                                         194
                                                                                                                                                                                                                                                                                                                                                                                                          196
                                                                                                                                                                                                                                                                                                                                                                                                          196
                                                                                                                                                                                                                                                                                                                                                                                                         196
                                                                                                    ---AAAAACAGCAUAUUGACG-CUGGGA--AAGACCAGAGAUCCUG---CUGU-CUCCU
---AACAAACAGCAUAUUGACG-CUGGGA--GAGACCAGAGAUCCUG---CUGU-CUCUA
---UAAAAACAGCAUAUUGACG-CUGGGA--GAGACCAGAGAUCCUG---CUGU-CUCCU
---UAGC-U--UCAUAUUGACACCAGGGAA-AAGACCGGAGAAACUUCUUGCUUACUCGC
--AUAGC-GGACCAUAUUGACGCCUGGG-A-AAGACCGGAGACACUCCUUGAUU-CUCAC
--AUAGC-GGACCAUAUUGACGCCAGGG-A-AAGACCGGAGACACUCCUUGAUU-CUCAC
                                                                                                                                                                                                                                                                                                                                                                                                          196
                                                                                                                                                                                                                                                                                                                                                                                                         196
                                                                                                                                                                                                                                                                                                                                                                                                         191
                                                                                                                                                                                                                                                                                                                                                                                                          192
                                                                                                                                                                                                                                                                                                                                                                                                          192
                                                                                                   --AUAGC-GGACCAUAUUGACGCCAGGG-A-AAGACCGGAGUACUCUUGAUU-CUCAC
--AUAGUGGGACCAUAUUGACGCCAGGG-A-AAGACCGGAGUGGUUCUCUGCUUUUCCUC
--UAUAUAACAGCAUAUUGACACCAGGG-A-UAGACCGGAGAAA-U-ACACAAUUUCUGG
--AGCAAAAUAGCAUAUUGACACCUUGGGAA-GAGACCAGAGAUA-UGAUGUUGUUUGUCA
--AUAGGCUAUUAUAUCGACACCUAGGA-AAGACUGGAGAUACCUUUGGUUCUUCGAC
--AAGCAAAGGCCAACCUGGCAAAGCUGUAAACCAGGGGAAAGGACUAGAGGUUAGAGGAC
                                                                                                                                                                                                                                                                                                                                                                                                          192
                                                                                                                                                                                                                                                                                                                                                                                                          185
                                                                                                                                                                                                                                                                                                                                                                                                          186
                                                                                                                                                                                                                                                                                                                                                                                                         193
                                                                                                                                                                                                                                                                                                                                                                                                          189
                                                                                                   80.....190.....200.....210.....220......230......2
                                                                                                                                                                                                                                                                                         السر المحمل بسا
MBFV-NC_009029.2
MBFV-NC_032088.1
MBFV-NC_009028.2
MBFV-NC_009028.2
MBFV-NC_040776.1
MBFV-NC_034151.1
MBFV-NC_001563.2
MBFV-NC_001437.1
MBFV-NC_001437.1
MBFV-NC_001437.1
MBFV-NC_00551.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_015843.2
MBFV-NC_012534.1
MBFV-NC_012533.1
MBFV-NC_012532.1
MBFV-NC_012533.1
MBFV-NC_012533.1
MBFV-NC_001477.1
dISFV-NC_012735.1
MBFV-NC_002031.1
dISFV-NC_012735.1
MBFV-NC_012735.1
MBFV-NC_012735.1
MBFV-NC_012735.1
MBFV-NC_012735.1
MBFV-NC_012735.1
                                                                                                 CACAGAACGC
CACAGAACGC
CACAGAUCGC
                                                                                                                                                                                                                                                                                                                                                                                                          247
                                                                                                                                                                                                                                                                                                                                                                                                          247
                                                                                                                                                                                                                                                                                                                                                                                                          249
                                                                                                                                                                                                                                                                                                                                                                                                          250
                                                                                                                                                                                                   ACAGAUC
                                                                                                                                                                                                                                                                                                                                                                                                          246
                                                                                                                                                                                                   ACAGAAC
                                                                                                                                                                                                  ACAGUGC
                                                                                                                                                                                                                                                                                                                                                                                                          247
                                                                                                                                                                                                 CACAGUGC
                                                                                                                                                                                                                                                                                                                                                                                                          247
                                                                                                                                                                                                   ACAGAGC
                                                                                                                                                                                                                                                                                                                                                                                                          247
                                                                                                                                                                                                   ACAGAGC
                                                                                                                                                                                                                                                                                                                                                                                                          2.47
                                                                                                                                                                                                                                                                                                                                                                                                          247
                                                                                                                                                                                                   ACCGAGC
                                                                                                                                                                                                   ACAGAGC
                                                                                                                                                                                                                                                                                                                                                                                                          247
                                                                                                                                                                                                    ACAGAGC
                                                                                                                                                                                                                                                                                                                                                                                                          247
                                                                                                                                                                                                                                                                                                                                                                                                          247
                                                                                                                                                                                                   ACAGAUC
                                                                                                                                                                                               CACAGAAC
                                                                                                                                                                                                                                                                                                                                                                                                          249
                                                                                                                                                                                                   ACAGCGCG
                                                                                                                                                                                                                                                                                                                                                                                                          246
                                                                                                                                                                                                   ACAGAUC
                                                                                                                                                                                                                                                                                                                                                                                                          247
                                                                                                                                                                                                                                           247
                                                                                                                                                                                                   ACAGAUC
                                                                                                                                                                                                   ACAGAGC
                                                                                                                                                                                                                                                                                                                                                                                                          247
                                                                                                                                                                                                   ACAGAGC
                                                                                                                                                                                                                                                                                                                                                                                                          247
                                                                                                                                                                                                   ACAGAAC
                                                                                                                                                                                                                                                                                                                                                                                                          247
                                                                                                                                                                                                                                                                                                                                                                                                          247
247
                                                                                                                                                                                                   ACAGAACG
                                                                                                                                                                                                   ACAGAAC
                                                                                                                                                                                                   ACAGUAU
                                                                                                                                                                                                                                                                                                                                                                                                          246
                                                                                                                                                                                                   ACAGAUUG
                                                                                                                                                                                                                                                                                                                                                                                                          246
                                                                                                                                                                                                   ACAGAUU
                                                                                                                                                                                                                                                                                                                                                                                                          246
                                                                                                                                                                                                                                                                                                                                                                                                          246
                                                                                                                                                                                                   ACAGUUUG
                                                                                                                                                                                                  ACAGAGCG
ACAGAGCG
                                                                                                                                                                                                                                                                                                                                                                                                          244
246
                                                                                                                                                                                               CACAGAGC
                                                                                                                                                                                                                                                                                                                                                                                                          249
  MBFV-NC_018705.3
                                                                                                                                                                                              AACACCACA
                                                                                                   40......250......260......270......280......290......3
MBFV-NC_009029.2
MBFV-NC_032088.1
MBFV-NC_032088.1
MBFV-NC_009028.2
MBFV-NC_009028.2
MBFV-NC_040776.1
MBFV-NC_034151.1
MBFV-NC_001563.2
MBFV-NC_001437.1
MBFV-NC_001437.1
MBFV-NC_001437.1
MBFV-NC_015843.2
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012534.1
MBFV-NC_012532.1
MBFV-NC_012533.1
MBFV-NC_012533.1
MBFV-NC_012533.1
MBFV-NC_012533.1
MBFV-NC_01474.2
MBFV-NC_001477.1
MBFV-NC_001477.1
MBFV-NC_001475.2
dISFV-NC_001475.2
dISFV-NC_012735.1
MBFV-NC_0012735.1
MBFV-NC_002031.1
dISFV-NC_002031.1
dISFV-NC_016997.1
MBFV-NC_016997.1
MBFV-NC_018705.3
                                                                                                    -ACACCAGAUCU---
                                                                                                   -ACACCGAAUCU---
CAUGGA---UCU---
CA-GGA---UCU---
                                                                                                                                                                                258
                                                                                                                                                                                258
                                                                                                                                                                                258
258
                                                                                                   AACACAGAGUCU---
                                                                                                                                                                                258
                                                                                                     -ACACAGGAUCU---
                                                                                                   -ACACAGGAUCU---
-ACACAGGAUCU---
                                                                                                                                                                                258
258
                                                                                                       UCACAGGAUCU-
                                                                                                                                                                                 258
                                                                                                                                                                                258
258
                                                                                                   C-CACAGGAUCU---
                                                                                                   C-CACAGGAUCU---
                                                                                                     -ACACAGUGUCU---
                                                                                                                                                                                 258
                                                                                                    -ACACAGGAUCU---
                                                                                                                                                                                258
258
                                                                                                         ---CAGAUUCU---
                                                                                                   CAACAAGUAUCU---
                                                                                                                                                                                 258
                                                                                                                                                                                258
                                                                                                   CCAUGGUU-UCU---
                                                                                                                                                                                258
258
                                                                                                    CCAUGGGU-CUU---
                                                                                                   CCAACAGG-ACU---
CAACAGGU-UCU---
CAACAGGU-UCU---
                                                                                                                                                                                258
258
                                                                                                   CAACAGGU-UCU-
                                                                                                                                                                                 258
                                                                                                   CAACAGGU-UCU---
                                                                                                                                                                                 258
                                                                                                    CAACCAGUUUCU---
                                                                                                                                                                                 258
                                                                                                   CAACUAGUGUCU---
                                                                                                                                                                                 258
                                                                                                   CAACUAGUGUCU---
                                                                                                                                                                                258
                                                                                                   CACAAAACCACU---
                                                                                                                                                                                 258
                                                                                                   UAU-GUAUAUCUUGG
                                                                                                                                                                                258
                                                                                                   AAUAACAUAUCU---
                                                                                                                                                                                258
258
                                                                                                              ---AGUAUCU---
                                                                                                   AGGAGACCCUCU-GU 258
```

00....310...