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                                        10        20        30        40        50        60        70        80        90       100       110       120       130
                                ....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|
Consensus Ber12                 AATCCTAACAGGGTTATTTCTAGCCATACATTATACACCTGACACAATAACTGCATTTTCATCTATATCCCATATCTGCCGAGATGTCAACTACGGTTGAATTATTCGACAACTACACTCAAACGGAGCA
Consensus 473                   AATCCTAACAGGGTTATTTCTAGCCATACATTATACACCTGACACAATAACTGCATTTTCATCTATATCCCATATCTGCCGAGATGTCAACTACGGTTGAATTATTCGACAACTACACTCAAACGGAGCA
Consensus 173                   AATCCTAACAGGGTTATTTCTAGCCATACATTATACACCTGACACAATAACTGCATTTTCATCTATATCCCATATCTGCCGAGATGTCAACTACGGTTGAATTATTCGACAACTACACTCAAACGGAGCA
Consensus 472                   AATCCTAACAGGGTTATTTCTAGCCATACATTATACACCTGACACAATAACTGCATTTTCATCTATATCCCATATCTGCCGAGATGTCAACTACGGTTGAATTATTCGACAACTACACTCAAACGGAGCA
Consensus 917                   AATCCTAACAGGGTTATTTCTAGCCATACATTATACACCTGACACAATAACTGCATTTTCATCTATATCCCATATCTGCCGAGATGTCAACTACGGTTGAATTATTCGACAACTACACTCAAACGGAGCA
Consensus 915                   AATCCTAACAGGGTTATTTCTAGCCATACATTATACACCTGACACAATAACTGCATTTTCATCTATATCCCATATCTGCCGAGATGTCAACTACGGTTGAATTATTCGACAACTACACTCAAACGGAGCA
Consensus BMV                   AATCCTAACAGGATTATTCCTAGCCATACATTACACACCTGACACAATAACTGCATTTTCATCTATATCCCATATCTGCCGAGACGTCAACTACGGCTGAATTATTCGACAACTACACTCAAACGGAGCA
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M. primigenius, CytB, D50842    AATCCTAACAGGGTTATTTCTAGCCATACATTATACACCTGACACAATAACTGCATTTTCATCTATATCCCATATCTGCCGAGATGTCAACTACGGTTGAATTATTCGACAACTACACTCAAACGGAGCA
M. primigenius, CytB, D83047    AATCCTAACAGGGTTATTTCTAGCCATACATTATACACCTGACACAATAACTGCATTTTCATCTATATCCCATATCTGCCGAGATGTCAACTACGGTTGAATTATTCGACAACTACACTCAAACGGAGCA
M. primi., mt genome, AP008987  AATCCTAACAGGGTTATTTCTAGCCATACATTATACACCTGACACAATAACTGCATTTTCATCTATATCCCATATCTGCCGAGATGTCAACTACGGTTGAATTATTCGACAACTACACTCAAACGGAGCA
M. primi., mt genome, DQ188829  AATCCTAACAGGGTTATTTCTAGCCATACATTATACACCTGACACAATAACTGCATTTTCATCTATATCCCATATCTGCCGAGATGTCAACTACGGTTGAATTATTCGACAACTACACTCAAACGGAGCA
E. maximus, CytB, AB002412      AATCCTAACAGGATTATTCCTAGCCATACATTACACACCTGACACAATAACTGCATTTTCATCTATATCCCATATCTGCCGAGACGTCAACTACGGCTGAATTATTCGACAACTACACTCAAACGGAGCA
E. maximus, CytB, D83048        AATCCTAACAGGATTATTCCTAGCCATACATTACACACCTGACACAATAACTGCATTTTCATCTATATCCCATATCTGCCGAGACGTCAACTACGGCTGAATTATTCGACAACTACACTCAAACGGAGCA
E. maximus, CytB, D50846        AATCCTAACAGGATTATTCCTAGCCATACATTACACACCTGACACAATAACTGCATTTTCATCTATATCCCATATCTGCCGAGACGTCAACTACGGCTGAATTATTCGACAACTGCACTCAAACGGAGCA
E. maximus, CytB, D50844        AATCCTAACAGGATTATTCCTAGCCATACATTACACACCTGACACAATAACTGCATTTTCATCTATATCCCATATCTGCCGAGACGTCAACTACGGCTGAATTATTCGACAACTACACTCAAACGGAGCA
L. africana, CytB, AJ224821     AATCCTAACAGGATTATTCCTAGCCATACATTATACACCCGACACAATAACTGCATTTTCATCTATATCCCATATTTGCCGAGATGTGAACTACGGCTGAATTATTCGACAACTACACTCAAACGGAGCA
L. africana, CytB, D84152       GATCCTAACAGGATTATTCCTAGCCATACATTATACACCTGACACAATAACTGCATTTTCATCTATATCCCATATTTGCCGAGATGTGAACTACGGCTGAATTATTCGACAACTACACTCAAACGGAGCA
L. africana, CytB, D84151       AATCCTAACAGGATTATTCCTAGCCATACATTATACACCTGACACAATAACTGCATTTTCATCTATATCCCATATTTGCCGAGATGTGAACTACGGCTGAATTATTCGACAACTACACTCAAACGGAGCA
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Human, CytB, AF254896           AATCACCACAGGACTATTCCTAGCCATGCACTACTCACCAGACGCCTCAACCGCCTTTTCATCAATCGCCCACATCACTCGAGACGTAAATTATGGCTGAATCATCCGCTACCTTCACGCCAATGGCGCC
Human, CytB, AY714008           AATCACCACAGGACTATTCCTAGCCATGCACTACTCACCAGACGCCTCAACCGCCTTTTCATCAATCGCCCACATCACTCGAGACGTAAATTATGGCTGAATCATCCGCTACCTTCACGCCAATGGCGCC

                                       140       150       160       170       180       190       200       210       220       230       240       250       260
                                ....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|
Consensus Ber12                 TCTATTTTCTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGGTCCTACCTATACTCGGAAACCTGAAATACCGGCATTATACTACTACTAATCACCATAGCCACCGCCTTCATAGGAT
Consensus 473                   TCTATTTTCTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGGTCCTACCTATACTCAGAAACCTGAAATACCGGCATTATACTACTACTAATCACCATAGCCACCGCCTTCATAGGAT
Consensus 173                   TCTATTTTCTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGGTCCTACCTATACTCGGAAACCTGAAATACTGGCATTATACTACTACTAATCACCATAGCCACCGCCTTCATAGGAT
Consensus 472                   TCTATTTTCTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGGTCCTACCTATACTCAGAAACCTGAAATACCGGCATTATACTACTACTAATCACCATAGCCACCGCCTTCATAGGAT
Consensus 917                   TCTATTTTCTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGGTCCTACCTATACTCGGAAACCTGAAATACCGGCATTATACTACTACTAATCACCATAGCCACCGCCTTCATAGGAT
Consensus 915                   TCTATTTTCTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGGTCCTACCTATACTCGGAAACCTGAAATACCGGCATTATACTACTACTAATCACCATAGCCACCGCCTTCATAGGAT
Consensus BMV                   TCTATTTTCTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGATCCTACCTATACTCAGAAACCTGAAATACAGGCATTATATTACTACTAATTACCATAGCCACCGCCTTCATAGGAT
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M. primigenius, CytB, D50842    TCTATTTTCTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGGTCCTACCTATACTCGGAAACCTGAAATACCGGCATTATACTACTACTAATCACCATAGCCACCGCCTTCATAGGAT
M. primigenius, CytB, D83047    TCTATTTTCTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGGTCCTACCTATACTCGGAAACCTGAAATACCGGCATTATACTACTACTAATCACCATAGCCACCGCCTTCATAGGAT
M. primi., mt genome, AP008987  TCTATTTTCTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGGTCCTACCTATACTCGGAAACCTGAAATACCGGCATTATACTACTACTAATCACCATAGCCACCGCCTTCATAGGAT
M. primi., mt genome, DQ188829  TCTATTTTCTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGGTCCTACCTATACTCGGAAACCTGAAATACCGGCATTATACTACTACTAATCACCATAGCCACCGCCTTCATAGGAT
E. maximus, CytB, AB002412      TCTATTTTCTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGATCCTACCTATACTCAGAAACCTGAAATACAGGCATTATATTACTACTAATTACCATAGCCACCGCCTTCATAGGAT
E. maximus, CytB, D83048        TCTATTTTCTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGATCCTACCTATACTCAGAAACCTGAAATACAGGCATTATATTACTACTAATTACCATAGCCACCGCCTTCATAGGAT
E. maximus, CytB, D50846        TCTATCTTTTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGATCCTATCTATACTCAGAAACCTGAAACACAGGTATTATACTACTACTAATCACCATAGCCACCGCCTTCATAGGAT
E. maximus, CytB, D50844        TCTATTTTCTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGATCCTACCTATACTCAGAAACCTGAAATACAGGCATTATATTACTACTAATTACCATAGCCACCGCCTTCATAGGAT
L. africana, CytB, AJ224821     TCCATTTTCTTCCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGGTCCTACCTATACTCGGAAACTTGAAATACCGGCATTATATTACTACTAATCACCATAGCCACCGCCTTCATAGGAT
L. africana, CytB, D84152       TCCATTTTCTTTCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGGTCCTACCTATACTCGGAAACTTGAAATACCGGCATTATATTACTACTAATCACCATAGCCACCGCCTTCATAGGAT
L. africana, CytB, D84151       TCCATTTTCTTTCTCTGCCTATACACACACATTGGACGAAACATCTACTATGGGTCCTACCTATACTCGGAAACTTGAAATACCGGCATTATATTACTACTAATCACCATAGCCACCGCCTTCATAGGAT
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Human, CytB, AF254896           TCAATATTCTTTATCTGCCTCTTCCTACACATCGGGCGAGGCCTATATTACGGATCATTTCTCTACTCAGAAACCTGAAACATCGGCATTATCCTCCTGCTTGCAACTATAGCAACAGCCTTCATAGGCT
Human, CytB, AY714008           TCAATATTCTTTATCTGCCTCTTCCTACACATCGGGCGAGGCCTATATTACGGATCATTTCTCTACTCAGAAACCTGAAACATCGGCATTATCCTCCTGCTTGCAACTATAGCAACAGCCTTCATAGGCT

                                       270       280       290       300       310       320       330       340       350       360       370       380       390
                                ....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|
Consensus Ber12                 ATGTCCTTCCGTGAGGACAAATATCATTCTGAGGGGCAACCGTAATCACTAACCTCTTCTCAGCAATTCCCTACATCGGCACAGACYTAGTAGAATGAATCTGAGGAGGCTTTTCGGTAGATAAAGCAAC
Consensus 473                   ATGTCCTTCCGTGAGGACAAATATCATTCTGAGGGGCAACCGTAATCACTAACCTCTTCTCAGCAATTCCCTACATCGGCACAGACCTAGTAGAATGAATCTGAGGAGGCTTTTCGGTAGATAAAGCAAC
Consensus 173                   ATGTCCTTCCGTGAGGACAAATATCATTCTGAGGGGCAACCGTAATCACTAACCTCTTCTCAGCAATTCCCTACATTGGCACAGACCTAGTAGAATGAATCTGAGGAGGCTTTTCGGTAGATAAAGCAAC
Consensus 472                   ATGTCCTTCCGTGAGGACAAATATCATTCTGAGGGGCAACCGTAATCACTAACCTCTTCTCAGCAATTCCCTACATCGGCACAGACCTAGTAGAATGAATCTGAGGAGGCTTTTCGGTAGATAAAGCAAC
Consensus 917                   ATGTCCTTCCGTGAGGACAAATATCATTCTGAGGGGCAACTGTAATCACTAACCTCTTCTCAGCAATTCCCTACATCGGCACAGACCTAGTAGAATGAATCTGAGGAGGCTTTTCGGTAGATAAAGCAAC
Consensus 915                   ATGTCCTTCCGTGAGGACAAATATCATTCTGAGGGGCAACCGTAATCACTAACCTCTTCTCAGCAATTCCCTACATCGGCACAGACCTAGTAGAATGAATCTGAGGAGGCTTTTCGGTAGATAAAGCAAC
Consensus BMV                   ATGTCCTTCCATGAGGACAAATATCATTCTGAGGGGCAACCGTAATTACTAACCTCTTCTCAGCAATTCCCTACATCGGCACAAACCTAGTAGAATGAATTTGAGGAGGCTTTTCGGTAGATAAAGCAAC
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M. primigenius, CytB, D50842    ATGTCCTTCCGTGAGGACAAATATCATTCTGAGGGGCAACCGTAATCACTAACCTCTTCTCAGCAATTCCCTACATCGGCACAGACCTAGTAGAATGAATCTGAGGAGGCTTTTCGGTAGATAAAGCAAC
M. primigenius, CytB, D83047    ATGTCCTTCCGTGGGGACAAATATCATTCTGAGGGGCAACCGTAATCACTAACCTCTTCTCAGCAATTCCCTACATCGGCACAGACCTAGTAGAATGAATCTGAGGAGGCTTTTCGGTAGATAAAGCAAC
M. primi., mt genome, AP008987  ATGTCCTTCCGTGAGGACAAATATCATTCTGAGGGGCAACCGTAATCACTAACCTCTTCTCAGCAATTCCCTACATCGGCACAGACCTAGTAGAATGAATCTGAGGAGGCTTTTCGGTAGATAAAGCAAC
M. primi., mt genome, DQ188829  ATGTCCTTCCGTGAGGACAAATATCATTCTGAGGGGCAACCGTAATCACTAACCTCTTCTCAGCAATTCCCTACATCGGCACAGACCTAGTAGAATGAATCTGAGGAGGCTTTTCGGTAGATAAAGCAAC
E. maximus, CytB, AB002412      ATGTCCTTCCATGAGGACAAATATCATTCTGAGGGGCAACCGTAATTACTAACCTCTTCTCAGCAATTCCCTACATCGGCACAAACCTAGTAGAATGAATTTGAGGAGGCTTTTCGGTAGATAAAGCAAC
E. maximus, CytB, D83048        ATGTCCTTCCATGAGGACAAATATCATTCTGAGGGGCAACCGTAATTACTAACCTCTTCTCAGCAATTCCCTACATCGGCACAAACCTAGTAGAATGAATTTGAGGAGGCTTTTCGGTAGATAAAGCAAC
E. maximus, CytB, D50846        ATGTCCTTCCATGAGGACAAATATCATTCTGAGGGGCAACCGTAATTACTAACCTCTTCTCAGCAATTCCCTACATCGGCACAAACCTAGTAGAATGAATTTGAGGAGGCTTTTCGGTAGATAAAGCAAC
E. maximus, CytB, D50844        ATGTCCTTCCATGAGGACAAATATCATTCTGAGGGGCAACCGTAATTACTAACCTCTTCTCAGCAATTCCCTACATCGGCACAAACCTAGTAGAATGAATTTGAGGAGGCTTTTCGGTAGATAAAGCAAC
L. africana, CytB, AJ224821     ATGTCCTTCCGTGAGGACAAATATCATTCTGAGGGGCAACCGTAATCACTAACCTTTTCTCAGCAATCCCTTATATCGGCACAAACCTAGTAGAATGAATCTGAGGAGGCTTTTCAGTAGATAAAGCAAC
L. africana, CytB, D84152       ATGTCCTTCCGTGAGGACAAATATCATTCTGAGGGGCAACCGTAATCACTAACCTTTTCTCAGCAATCCCTTGTATCGGCACAAACCTAGTAGAATGAATCTGAGGAGGCTTTTCAGTAGATAAAGCAAC
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L. africana, CytB, D84151        ATGTCCTTCCGTGAGGACAAATATCATTCTGAGGGGCAACCGTAATCACTAACCTTTTCTCAGCAATCCCTTGTATCGGCACAAACCTAGTAGAATGAATCTGAGGAGGCTTTTCAGTAGATAAAGCAAC
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Human, CytB, AF254896            ATGTCCTCCCGTGAGGCCAAATATCATTCTGAGGGGCCACAGTAATTACAAACTTACTATCCGCCATCCCATACATTGGGACAGACCTAGTTCAATGAATCTGAAGAGGCTACTCAGTAGACAGTCCCAC
Human, CytB, AY714008            ATGTCCTCCCGTGAGGCCAAATATCATTCTGAGGGGCCACAGTAATTACAAACTTACTATCCGCCATCCCATACATTGGGACAGACCTAGTTCAATGAATCTGAGGAGGCTACTCAGTAGACAGTCCCAC

                                 400       410       420       430       440       450       460       470       480       490       500       510       520
                                 ....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|
Consensus Ber12                  CTTAAATCGATTCTTCGCCCTCCATTTTATTCTTCCATTTACTATAATTGCACTAGCAGGAGTACACCTAACCTTCCTTCACGAAACAGGCTCAAATAATCCACTAGGCCTCACTTCAGACTCAGACAAA
Consensus 473                    CTTAAATCGATTCTTCGCCCTCCATTTTATTCTTCCATTTACTATAATTGCACTAGCAGGAGTACACCTAACCTTCCTTCACGAARCAGGCTCAAATAACCCACTAGGCCTCACTTCAGAYTCAGACAAA
Consensus 173                    CTTAAATCGATTCTTCGCCCTCCATTTTATTCTTCCATTTACTATAATTGCACTAGCAGGAGTACACCTAACCTTCCTTCACGAAACAGGCTCAAATAACCCACTAGGCCTCACTTCAGACTCAGACAAA
Consensus 472                    CTTAAATCGATTCTTCGCCCTCCATTTTATTCTTCCATTTACTATAATTGCACTAGCAGGAGTACACCTAACCTTCCTTCACGAAACAGGCTCAAATAACCCACTAGGCCTCACTTCAGACTCAGACAAA
Consensus 917                    CTTAAATCGATTCTTCGCCCTCCATTTTATTCTTCCATTTACTATAATTGCACTAGCAGGAGTACACCTAACCTTCCTTCACGAAACAGGCTCAAATAACCCACTAGGCCTCACTTCAGACTCAGACAAA
Consensus 915                    CTTAAATCGATTCTTCGCCCTCCATTTTATTCTTCCATTTACTATAATTGCACTAGCAGGAGTACACCTAACCTTCCTTCACGAAACAGGCTCAAATAACCCACTAGGCCTCACTTCAGACTCAGACAAA
Consensus BMV                    CTTAAACCGATTCTTCGCCTTCCATTTCATCCTTCCATTTACTATAGTTGCACTAGCAGGAGTGCACCTAACCTTTCTTCACGAAACAGGCTCAAACAACCCACTAGGTCTCACTTCAGACTCAGACAAA
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M. primigenius, CytB, D50842     CTTAAATCGATTCTTCGCCCTCCATTTTATTCTTCCATTTACTATAATTGCACTAGCAGGAGTACACCTAACCTTCCTTCACGAAACAGGCTCAAATAACCCACTAGGCCTCACTTCAGACTCAGACAAA
M. primigenius, CytB, D83047     CTTAAATCGATTCTTCGCCCTCCATTTTATTCTTCCATTTACTATAATTGCACTAGCAGGAGTACACCTAACCTTCCTTCACGAAACAGGCTCAAATAATCCACTAGGCCTCACTTCAGACTCAGACAAA
M. primi., mt genome, AP008987   CTTAAATCGATTCTTCGCCCTCCATTTTATTCTTCCATTTACTATAATTGCACTAGCAGGAGTACACCTAACCTTCCTTCACGAAACAGGCTCAAATAACCCACTAGGCCTCACTTCAGACTCAGACAAA
M. primi., mt genome, DQ188829   CTTAAATCGATTCTTCGCCCTCCATTTTATTCTTCCATTTACTATAATTGCACTAGCAGGAGTACACCTAACCTTCCTTCACGAAACAGGCTCAAATAACCCACTAGGCCTCACTTCAGACTCAGACAAA
E. maximus, CytB, AB002412       CTTAAACCGATTCTTCGCCTTCCATTTCATCCTTCCATTTACTATAGTTGCACTAGCAGGAGTGCACCTAACCTTTCTTCACGAAACAGGCTCAAACAACCCACTAGGTCTCACTTCAGACTCAGACAAA
E. maximus, CytB, D83048         CTTAAACCGATTCTTCGCCTTCCATTTCATCCTTCCATTTACTATAGTTGCACTAGCAGGAGTGCACCTAACCTTTCTTCACGAAACAGGCTCAAACAACCCACTAGGTCTCACTTCAGACTCAGACAAA
E. maximus, CytB, D50846         CTTAAACCGATTCTTCGCCTTCCATTTCATCCTTCCATTTACTATAGTTGCACTAGCAGGAGTGCACCTAACCTTTCTTCACGAAACAGGCTCAAACAACCCACTAGGTCTCACTTCAGACTCAGACAAA
E. maximus, CytB, D50844         CTTAAACCGATTCTTCGCCTTCCATTTCATCCTTCCATTTACTATAGTTGCACTAGCAGGAGTGCACCTAACCTTTCTTCACGAAACAGGTTCAAACAACCCACTAGGTCTCACTTCAGACTCAGACAAA
L. africana, CytB, AJ224821      CTTAAATCGATTTTTCGCCCTCCATTTCATTCTTCCATTTACTATAATTGCACTAGCAGGAGTACACCTAACCTTTCTTCACGAAACAGGCTCAAACAATCCACTGGGCCTCACTTCAGACTCAGACAAA
L. africana, CytB, D84152        CTTAAATCGATTTTTCGCCCTCCATTTCATTCTTCCATTTACTATAATTGCACTAGCAGGAGTACACCTAACCTTTCTTCACGAAACAGGCTCAAACAACCCACTGGGCCTCATTTCAGACTCAGACAAA
L. africana, CytB, D84151        CTTAAATCGATTTTTCGCCCTCCATTTCATTCTTCCATTTACTATAATTGCACTAGCAGGAGTACACCTAACCTTTCTTCACGAAACAGGCTCAAACAACCCACTGGGCCTCATTTCAGACTCAGACAAA
----
Human, CytB, AF254896            CCTCACACGATTCTTTACCTTTCACTTCATCTTGCCCTTCATTATTGCAGCCCTAGCAGCACTCCACCTCCTATTCTTGCACGAAACGGGATCAAACAACCCCCTAGGAATCACCTCCCATTCCGATAAA
Human, CytB, AY714008            CCTCACACGATTCTTTACCTTTCACTTCATCTTGCCCTTCATTATTGCAGCCCTAGCAGCACTCCACCTCCTATTCTTGCACGAAACGGGATCAAACAACCCCCTAGGAATCACCTCCCATTCCGATAAA

                                 530       540       550       560       570       580       590       600       610       620       630       640       650
                                 ....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|
Consensus Ber12                  ATCCCCTTTCACCCGTACTATACCATCAAAGACTTCCTAGGACTAYTTATCCTAATCCTATTCCTTCYACTCTTAGCCCTACTATCTCCTGACATACTAGGAGACCCCGAC------------------
Consensus 473                    ATCCCCTTTCACCCGTACTATACCATCAAAGACTTCCTAGGACTACTTATCCTAATCCTATTCCTTCTACTCTTAGCCCTACTATCTCCTGACATACTAGGAGACCCCGACAACTACATACCAGCTGATC
Consensus 173                    ATCCCCTTTCACCCGTACTATACCATCAAAGACTTCCTAGGACTACTTATCCTAATCCTATTCCTTCTACTCTTAGCCCTACTATCTCCTGACATACTAGGAGACCCCGACAACTACATACCAGCTGATC
Consensus 472                    ATCCCCTTTCACCCGTACTATACCATCAAAGACTTCCTAGGACTACTTATCCTAATCCTATTCCTTCTACTCTTAGCCCTACTATCTCCTGACATACTAGGAGACCCCGACAACTACATACCAGYTGATC
Consensus 917                    ATCCCCTTTCACCCGTACTATACCATCAAAGACTTCCTAGGACTACTTATCCTAATCCTATTCCTTCTACTCTTAGCCCTACTATCTCCTGACATACTAGGAGACCCCGACAACTACATACCAGCTGATC
Consensus 915                    ATCCCCTTTCACCCGTACTATACCATCAAAGACTTCCTAGGACTACTTATCCTAATCCTATTCCTTCTACTCTTAGCCCTACTATCTCCTGACATACTAGGAGACCCCGACAACTACATACCAGCTGATC
Consensus BMV                    ATTCCCTTTCACCCGTACTATACTATCAAAGACTTCCTAGGACTACTTATCCTAATTTTACTCCTTCTACTCTTAGCCCTACTATCTCCAGACATACTAGGAGACCCTGACAACTACATACCAGCTGATC
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M. primigenius, CytB, D50842     ATCCCCTTTCACCCGTACTATACCATCAAAGACTTCCTAGGACTACTTATCCTAATCCTATTCCTTCTACTCTTAGCCCTACTATCTCCTGACATACTAGGAGACCCCGACAACTACATACCAGCTGATC
M. primigenius, CytB, D83047     GTCCCCTTTCACCCGTACTATACCATCAAAGACTTCCTAGGACTACTTATCCTAATCCTATTCCTTCTACTCTTAGCCCTACTATCTCCTGACATACTAGGAGACCCCGACAACTACATACCAGCTGATC
M. primi., mt genome, AP008987   ATCCCCTTTCACCCGTACTATACCATCAAAGACTTCCTAGGACTACTTATCCTAATCCTATTCCTTCTACTCTTAACCCTACTATCTCCTGACATACTAGGAGACCCCGACAACTACATACCAGCTGATC
M. primi., mt genome, DQ188829   ATCCCCTTTCACCCGTACTATACCATCAAAGACTTCCTAGGACTACTTATCCTAATCCTATTCCTTCTACTCTTAGCCCTACTATCTCCTGACATACTAGGAGACCCTGACAACTACATACCAGCTGATC
E. maximus, CytB, AB002412       ATTCCCTTTCACCCGTACTATACTATCAAAGACTTCCTAGGGCTACTTATCCTAATTTTACTCCTTCTACTCTTAGCCCTACTATCTCCAGACATACTAGGAGACCCTGACAACTACATACCAGCTGATC
E. maximus, CytB, D83048         ATTCCCTTTCACCCGTACTATACTATCAAAGACTTCCTAGGGCTACTTATCCTAATTTTACTCCTTCTACTCTTAGCCCTACTATCTCCAGACATACTAGGAGACCCCGACAACTACATACCAGCTGATC
E. maximus, CytB, D50846         ATTCCCTTTCACCCGTACTATACTATCAAAGACTTCCTAGGACTACTTATCCTAATTTTACTCCTTCTACTCTTAGCCCTACTATCTCCAGACATACTAGGAGACCCTGACAACTACATACCAGCTGATC
E. maximus, CytB, D50844         ATTCCCTTTCACCCGTACTATACTATCAAAGACTTCCTAGGACTACTTATCCTAATTTTACTCCTTCTACTCTTAGCCCTACTATCTCCAGACATACTAGGAGACCCTGACAACTACATACCAGCTGATC
L. africana, CytB, AJ224821      ATCCCCTTTCACCCATACTATACCATTAAGGACTTCCTAGGATTACTTATCCTAATTTTACTTCTTCTACTCCTAGCCCTACTATCTCCTGACATACTAGGAGACCCTGACAACTACATACCAGCCGACC
L. africana, CytB, D84152        ATCCCCTTTCACCCGTACTATACCATTAAAGACTTCCTAGGATTACTTATCCTAATTTTACTTCTTCTACTCCTAGCCCTACTGTCTCCTGACATACTAGGAGACCCTGACAACTACATACCAGCCGACC
L. africana, CytB, D84151        ATCCCCTTTCACCCGTACTATACCATTAAAGACTTCCTAGGATTACTTATCCTAATTTTACTTCTTCTACTCCTAGCCCTACTGTCTCCTGACATACTAGGAGACCCTGACAACTACATACCAGCCGACC
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Human, CytB, AF254896            ATCACCTTCCACCCTTACTACACAATCAAAGACGCCCTCGGCTTACTTCTCTTCCTTCTCTCCTTAATGACATTAACACTATTCTCACCAGACCTCCTAGGCGACCCAGACAATTATACCCTAGCCAACC
Human, CytB, AY714008            ATCACCTTCCACCCTTACTACACAATCAAAGACGCCCTCGGCTTACTTCTCTTCCTTCTCTCCTTAATGACATTAACACTATTCTCACCAGACCTCCTAGGCGACCCAGACAATTATACCCTAGCCAACC

                                 660       670       680       690       700       710       720       730       740       750       760       770       780
                                 ....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|
Consensus Ber12                  ------------------------------------------------------------------------------------------------------------------
Consensus 473                    CACTTAATACTCCCCTACACATCAAACCAGAGTGATACTTCCTCTTTGCTTACGCCATCCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTACTCCTATCAATCCTAATCCTAGGAATTAT
Consensus 173                    CACTTAATACTCCCCTACAYATCAAACCAGAGTGATACTTCCTCTTTRCTTACGCCATCCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTACTCCTATCAATCCTAATYCTAGGAATCAT
Consensus 472                    CACTTAATACTCCCCTACACATCAAACCAGAGTGATACTTCCTCTTTGCTTACGCCATCCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTACTCCTATCAATCCTAATCCTAGGAATTAT
Consensus 917                    CACTTAATACTCCCCTACACATCAAACCAGAGTGATACTTCCTCTTTGCTTACGCCATCCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTACTCCTATCAATCCTAATCCTAGGAATTAT
Consensus 915                    CACTTAATACTCCCCTACACATCAAACCAGAGTGATACTTCCTCTTTGCTTACGCCATCCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTACTCCTATCAATCCTAATCCTAGGAATTAT
Consensus BMV                    CACTAAATACTCCCCTACACATCAAACCAGAGTGATACTTCCTTTTTGCTTACGCCATTCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTATTTCTATCAATCCTGATTTTAGGATTAAT
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M. primigenius, CytB, D50842     CACTTAATACTCCCCTACACATCAAACCAGAGTGATATTTTCTCTTTGCTTACGCCATCCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTACTCCTATCAATCCTAATCCTAGGAATTAT
M. primigenius, CytB, D83047     CACTTAATACTCCCCTACACATCAAACCAGAGTGATACTTCCTCTTTGCTTACGCCATCCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTACTCCTATCAATCCTAATCCTAGGAATTAT
M. primi., mt genome, AP008987   CACTTAATACTCCCCTACACATCAAACCAGAGTGATACTTCCTCTTTGCTTACGCCATCCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTACTCCTATCAATCCTAATCCTAGGAATTAT
M. primi., mt genome, DQ188829   CACTTAATACTCCCCTACACATCAAACCAGAGTGATACTTCCTCTTTGCTTACGCCATCCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTACTCCTATCAATCCTAATCCTAGGAATTAT
E. maximus, CytB, AB002412       CACTAAATACTCCCCTACACATCAAACCAGAGTGATACTTCCTTTTTGCTTACGCCATTCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTATTTCTATCAATCCTGATTTTAGGATTAAT
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E. maximus, CytB, D83048        CACTAAATACTCCCCTACACATCAAACCAGAGTGATACTTCCTTTTTGCTTACGCCATTCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTATTTCTATCAATCCTGATTTTAGGATTAAT
E. maximus, CytB, D50846        CACTAAATACTCCCCTACATATCAAACCAGAGTGATACTTCCTTTTTGCTTACGCCATTCTACGATCTGTACCAAATAAACTAGGAGGCGTCCTAGCCCTATTCCTATCAATTCTGATTTTAGGATTAAT
E. maximus, CytB, D50844        CACTAAATACTCCCCTACACATCAAACCAGAGTGATACTTCCTTTTTGCTTACGCCATTCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTATTTCTATCAATCCTGATTTTAGGATTAAT
L. africana, CytB, AJ224821     CACTAAATACTCCCCTACATATCAAGCCAGAGTGATATTTTCTCTTTGCTTACGCCATCCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTACTCCTATCAATTCTAATCCTAGGATTAAT
L. africana, CytB, D84152       CACTAAATACTCCCCTACATATCAAGCCAGAGTGATATTTTCTCTTTGCTTACGCCATCCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTACTCCTATCAATTCTAATCCTAGGATTAAT
L. africana, CytB, D84151       CACTAAATACTCCCCTACATATCAAGCCAGAGTGATATTTTCTCTTTGCTTACGCCATCCTACGATCTGTACCAAACAAACTAGGAGGCGTCCTAGCCCTACTCCTATCAATTCTAATCCTAGGATTAAT
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Human, CytB, AF254896           CCTTAAACACCCCTCCCCACATCAAGCCCGAATGATATTTCCTATTCGCCTACACAATTCTCCGATCCGTCCCTAACAAACTAGGAGGCGTCCTTGCCCTATTACTATCCATCCTCATCCTAGCAATAAT
Human, CytB, AY714008           CCTTAAACACCCCTCCCCACATCAAGCCCGAATGATATTTCCTATTCGCCTACACAATTCTCCGATCCGTCCCTAACAAACTAGGAGGCGTCCTTGCCCTATTACTATCCATCCTCATCCTAGCAATAAT

                                          790       800       810       820       830       840       850       860       870
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Consensus Ber12                 ------------------------------------------------------------------------------------------------
Consensus 473                   ASCACTTCTACATACATCTAAACACCGAAGTATGATACTTCGACCTCTTAGCCAAGTCCTATTCTGAACTCTAGCAACAGACCTACTAATACT
Consensus 173                   ACCACTTCTACATACATCTAAACACCGAAGWATGATACTTCGACCTCTTAGCCAAGTCCTATTCTGAACTCTAGCAACAGATCTACTAATACT
Consensus 472                   ACCACTTCTACATACATCTAAACACCGAAGTATGATACTTCGACCTCTTAGCCAAGTCCTATTCTGAACTCTAGCAACAGACCTACTAATACT
Consensus 917                   ACCACTTCTACATACATCTAAACACCGAAGTATGATACTTCGACCTCTTAGCCAAGTCCTATTCTGAACTCTAGCAACAGATCTACTAATACT
Consensus 915                   ACCACTTCTACATACATCTAAACACCGAAGTATGATACTTCGACCTCTTAGCCAAGTCCTATTCTGAACTCTAGCAACAGATCTACTAATACT
Consensus BMV                   ACCATTTCTCCATACATCCAAGCACCGAAGTATAATACTCCGACCTCTCAGCCAGGTCCTATTCTGAACTCTAACAATAGATTTACTAACACT
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M. primigenius, CytB, D50842    ACCACTTCTACATACATCTAAACACCGAAGTATGATACTTCGACCTCTTAGCCAAGTCCTATTCTGAACTCTAGCAACAGATCTACTAATACT
M. primigenius, CytB, D83047    ACCACTTCTACATACATCTAAACACCGAAGTATGATACTTCGACCTCTTAGCCAAGTCCTATTCTGAACTCTAGCAACAGATCTACTAATACT
M. primi., mt genome, AP008987  ACCACTTCTACATACATCTAAACACCGAAGTATGATACTTCGACCTCTTAGCCAAGTCCTATTCTGAACTCTAGCAACAGATCTACTAATACT
M. primi., mt genome, DQ188829  ACCACTTCTACATACATCTAAACACCGAAGTATGATACTTCGACCTCTTAGCCAAGTCCTATTCTGAACTCTAGCAACAGATCTACTAATACT
E. maximus, CytB, AB002412      ACCATTTCTCCATACATCCAAGCACCGAAGTATAATACTCCGACCTCTCAGCCAGGTCCTATTCTGAACTCTAACAATAGATTTACTAACACT
E. maximus, CytB, D83048        ACCATTTCTCCATACATCCAAGCACCGAAGTATAATACTCCGACCTCTCAGCCAGGTTCTATTCTGAACTCTAACAATAGATTTACTAACACT
E. maximus, CytB, D50846        ACCATTTCTCCATACATCCAAGCACCGAAGTATAATACTCCGACCTCTCAGCCAGGTCCTATTCTGAACTCTAACAATAGATTTACTAACACT
E. maximus, CytB, D50844        ACCACTTCTCCATACATCCAAGCACCGAAGTATAATACTCCGACCTCTCAGCCAGGTCCTATTCTGAACTCTAACAATAGATTTACTAACACT
L. africana, CytB, AJ224821     ACCACTTCTCCATACATCCAAGCACCGAAGCATAATACTCCGACCTCTTAGCCAAGTCCTATTCTGAACTCTAACAATAGATTTACTAACACT
L. africana, CytB, D84152       ACCACTTCTCCATACATCCAAGCACCGAAGCATAATACTCCGACCTCTTAGCCAAGTCCTATTCTGAACTCTAACAATAGATTTACTAACACT
L. africana, CytB, D84151       ACCACTTCTCCATACATCCAAGCACCGAAGCATAATACTCCGACCTCTTAGCCAAGTCCTATTCTGAACTCTAACAATAGATTTACTAACACT
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Human, CytB, AF254896           CCCCATCCTCCATATATCCAAACAACAAAGCATAATATTTCGCCCACTAAGCCAATCACTTTATTGACTCCTAGCCGCAGACCTCCTCATTCT
Human, CytB, AY714008           CCCCATCCTCCATATATCCAAACAACAAAGCATAATATTTCGCCCACTAAGCCAATCACTTTATTGACTCCTAGCCGCAGACCTCCTCATTCT
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