

10 20 30 40 50 60 70 80 90 100 110 120 130
Consensus Ber12 AGCCCCAGTCAGCGTCACCCACGCCGTATGTGGAGGACATCCCAGAGCCGCCCTGCATGACCTCTACTGCAGTAAACTGCTGGACCTGGCCTTCCCTGCTGGACGGCTCCTCCAAGCTGTCCGAGGCTGAG
Consensus 473 AGCCCCAGTCAGCGTCACCCACGCCGTATRTGGAGGACATCCCARAGCCGCCCTGCATGACCTCTACTGCAG
Consensus 173 AGCCCCAGTCAGCGTCACCCACGCCGTATGTGGAGGACATTcYAGAGCCGCCYYTGCATGACCTCTAYTGCAGTAAACTGCTGGACCTGGCCTTCCCTGCTGGACGGCTCCTCCAAGCTGTCCGAGGCTGAG
Consensus 472 AGCCCCAGTCAGYGTACCCACGCCGTATGTGGAGGACATCCAGAGCCGCCCTGCATGACCTCTACTGCAGTAAACTGCTGGACCTGGCCTTCCCTGCTGGACGGCTCCTCCAAGCTGTCCGAGGCTGAG
Consensus 917 AGCCCCAGTCAGCGTCACCCACGCCGTATGTGGAGGACATCCCAGAGCCGCCCTGCATGACCTCTACTGCAG
Consensus 915 AGCCCCAGTCAGCGTCACCCACGCCGTATGTGGAGGACATCtCAGAGCCGCCCTGCATGACCTCTACTGCAGTAAACTGCTGGACCTGGCCTTCCCTGCTGGACGGCTCCTCCAAGCTGTCCGAGGCTGAG
Consensus BMV NGCCCNNNNAGNGTCACCCACGCCGTATGTGGAGGACATCTCAGAGCCGCCCTGCATGACCTCTACTGCAGTAAACTGCTGGACCTGGCCTTCCCTGCTGGACGGCTCCTCCAAGCTGTCCGAGGCTGAG

M. primigenius, vWF, AF154874 ~GCCCCAGTCAGTGTACCCACGCCGTATGTGGAGGACATCTCAGAGCCGCCCTGCAG
M. primigenius, vWF, AF154873 ~GCCCCAGTCAGCGTCACCCACGCCGTATGTGGAGGACATCTCAGAGCCGCCCTGCAG
M. primigenius, vWF, AF154875 ~~~~~~
E. maximus, vWF, resequenced AGCCCCAGTCAGCGTCACCCACGCCGTATGTGGAGGACATCTCAGAGCCGCCCTGCATGACCTCTACTGCAGTAAACTGCTGGACCTGGCCTTCCCTGCTGGACGGCTCCTCCAAGCTGTCCGAGGCTGAG
E. maximus, vWF, U31611 AGCCCCAGTCAGCGTCACCCACGCCTTTTGTGGAGGACATCTCAGAGCCGCCCTGSATGACCTCTACTGCAGTAAACTGCTGGACCTGGCCTTCCCTGCTGGACGGCTCCTCCAAGCTGTCCGAGGCTGAG
L. africana, vWF, resequenced AGCCCCAGTCAGCGTCACCCACGCCGTATGTGGAGGACATCTCAGAGCCGCCCTGCATGACCTCTACTGCAGTAAACTGCTGGACCTGGCCTTCCCTGCTGGACGGCTCCTCCAAGCTGTCCGAGGCTGAG
L. africana, vWF, U31615 AGCCCCAGTCAGCGTCACCCACGCCATATGTGGAGGACATCTCAGAGCTGCCCTGCATGACCTCTACTGCAGTAAACTGCTGGACCTGGCCTTCCCTGCTGGACGGCTCCTCCAAGCTGTCCGAGGCTGAG

Human, vWF, NM_000552 TGCCCCGGTGAGCCCCACCCTCTGTATGTGGAGGACATCTCGAAACCGCCGTTGCACGATTTCTACTGCAGCAGGCTACTGGACCTGGTCTTCCCTGCTGGATGGCTCCTCCAGGCTGTCCGAGGCTGAG
.....
140 150 160 170 180 190 200 210 220 230 240 250 260
TTTGATGTGCTAAAGGTCTTTGTGGTGGACATGATGGAGCGGCTGCACATCTCCAGAAGCGGATCCGTGTGGCCGTGGTGGAGTACTACGATGGCTCGCACTCCTACATCGACCTCAGGGACAGGAAGC

Consensus Ber12 TTTGATGTGCTAAAGG
Consensus 473 TTTGATGTGCTAAAGG
Consensus 173 TTTGATGTGCTAAAGG
Consensus 472 TTTGATGTGCTAAAGG
Consensus 917 TTTGATGTGCTAAAGG
Consensus 915 TTTGATGTGCTAAAGGTCTTTGTGGTGGACATGATGGAGCGGCTGCACATCTNCCAGAAGCGGATCCGTGTGGCCGTGGTGGAGTACCACGATGGCTCGCACTCCTACATCGACCTCAGGGACAGGAAGC
Consensus BMV TTTGATGTGCTAAAGGTCTTTGTGGTGGACATGATGGAGCGGCTGCACATCTCCAGAAGCGGATCCGTGTGGCCGTGGTGGAGTACCACGATGGCTCGCACTCCTACATCGACCTCAGGGACAGGAAGC

M. primigenius, vWF, AF154874 TTTGATGTGCTAAAGGTCTTTGTGGTGGACATGATGGAGCGGCTGCACATCTCCAGAAGCGGATCCGTGTGGCCGTGGTGGAGTACCACGATGGCTCGCACTCCTACATCGACCTCAGGGACAGGAAGC
M. primigenius, vWF, AF154873 TTTGATGTGCTAAAGGTCTTTGTGGTGGACATGATGGAGCGGCTGCACATCTCCAGAAGCGGATCCGTGTGGCCGTGGTGGAGTACCACGATGGCTCGCACTCCTACATCGACCTCAGGGACAGGAAGC
M. primigenius, vWF, AF154875 TTTGATGTGCTAAAGGTCTTTGTGGTGGACATGATGGAGCGGCTGCACATCTCCAGAAGCGGATCCGTGTGGCCGTGGTGGAGTACCACGATGGCTCGCACTCCTACATCGACCTCAGGGACAGGAAGC
E. maximus, vWF, resequenced TTTGATGTGCTAAAGGTCTTTGTGGTGGACATGATGGAGCGGCTGCACATCTCCAGAAGCGGATCCGTGTGGCCGTGGTGGAGTACCACGATGGCTCGCACTCCTACATCGACCTCAGGGACAGGAAGC
E. maximus, vWF, U31611 TTTGATGTGCTAAAGGTCTTTGTGGTGGACATGATGGAGCGGCTGCACATCTCCAGAAGCGGATCCGTGTGGCCGTGGTGGAGTACCACGATGGCTCGCACTCCTACATCGACCTCAGGGACAGGAAGC
L. africana, vWF, resequenced TTTGATGTGCTAAAGGTCTTTGTGGTGGACATGATGGAGCGGCTGCACATCTCCAGAAGCGGATCCGTGTGGCCGTGGTGGAGTACCACGATGGCTCGCACTCCTACATCGACCTCAGGGACAGGAAGC
L. africana, vWF, U31615 TTTGATGTGCTAAAGGTCTTTGTGGTGGACATGATGGAGCGGCTGCACATCTCCAGAAGCGGATCCGTGTGGCCGTGGTGGAGTACCACGATGGCTCGCACTCCTACATCGACCTCAGGGACAGGAAGC

Human, vWF, NM_000552 TTTGAAGTGTGCTAAAGGCTTTGTGGTGGACATGATGGAGCGGCTGCACATCTCCAGAAGTGGTCCGCTGGCCGTGGTGGAGTACCACGACGGCTCCACGCCCTACATCGGGCTCAAGGACCGGAAGC
.....
270 280 290 300 310 320 330 340 350 360 370 380 390
AGCCTTCGAGCTGCGGCGCATCNNTNGTCANGTGAAGTACGCAGGACGCCNNGTGGCC

Consensus Ber12 AGCCTTCGAGCTGCGGCGCATCNNTNGTCANGTGAAGTACGCAGGACGCCNNGTGGCC
Consensus 473
Consensus 173
Consensus 472
Consensus 917
Consensus 915 AGCCTTCAGAGCTGCGGNGCATCGNTGGTTCAGGTGAAGTACGCAGGACGCCNNGTGGCC
Consensus BMV AGCCTTCAGAGCTGCGGCGCATGNTGGTTCAGGTGAAGTACGCAGGACGCCAGGTGGCCTCCACCCTGAGGTCTTGAAGTACACGTTGTTCCAAATCTTTGGCAAGGCCGATCGCCAGAGCCTCCCG

M. primigenius, vWF, AF154874 AGCCTTCAGAGCTGCGGCGCATCGTGGTTCAGGTGAAGTACGCAGGACGCCAGGTGGCCTCCACCCTGAGGTCTTGAAGTACACGTTGTTCCAAATCTTTGGCAAGGCCGATCGCCAGAGCCTCCCG
M. primigenius, vWF, AF154873 AGCCTTCAGAGCTGCGGCGCATCGTGGTTCAGGTGAAGTACGCAGGACGCCAGGTGGCCTCCACCCTGAGGTCTTGAAGTACACGTTGTTCCAAATCTTTGGCAAGGCCGATCGCCAGAGCCTCCCG
M. primigenius, vWF, AF154875 AGCCTTCAGAGCTGCGGCGCATCGTGGTTCAGGTGAAGTACGCAGGACGCCAGGTGGCCTCCACCCTGAGGTCTTGAAGTACACGTTGTTCCAAATCTTTGGCAAGGCCGATCGCCAGAGCCTCCCG
E. maximus, vWF, resequenced AGCCTTCAGAGCTGCGGCGCATCGTGGTTCAGGTGAAGTACGCAGGACGCCAGGTGGCCTCCACCCTGAGGTCTTGAAGTACACGTTGTTCCAAATCTTTGGCAAGGCCGATCGCCAGAGCCTCCCG
E. maximus, vWF, U31611 AGCCTTCAGAGCTGCGGCGCATCGTGGTTCAGGTGAAGTATCAGGACGCCAGGTGGCCTCCACCCTGAGGTCTTGAAGTACACGTTGTTCCAAATCTTTGGCAAGGCCGATCGCCAGAGCCTCCCG
L. africana, vWF, resequenced AGCCTTCAGAGCTGCGGCGCATCGTGGTTCAGGTGAAGTATCAGGACGCCAGGTGGCCTCCACCCTGAGGTCTTGAAGTACACGTTGTTCCAAATCTTTGGCAAGGCCGATCGCCAGAGCCTCCCG
L. africana, vWF, U31615 AGCCTTCAGAGCTGCGGCGCATCGTGGTTCAGGTGAAGTATCAGGACGCCAGGTGGCCTCCACCCTGAGGTCTTGAAGTACACGTTGTTCCAAATCTTTGGCAAGGCCGATCGCCAGAGCCTCCCG

Human, vWF, NM_000552 GACCGTCAGAGCTGCGGCGCATCGCAGCCAGGTGAAGTATCGGGCAGCCAGGTGGCCTCCACCAGCGAGGTCTTGAAGTACACACTGTTCCAAATCTTTCAGCAAGATCGACCGCCTGAAGCCTCCCG
.....
400 410 420 430 440 450 460 470 480 490 500 510 520

Consensus Ber12 TATTGCCCTGCTCCTGACAGCCAGTGAAGAGCCCCACGGATGGCCCGGAACCTTGGCCCGATATGTGCAGGGCCTGAAGAAGAAGGTTATTGTGATCCGGTGGGCATTGGACCTCATGCCAGCCTC
Consensus 473
Consensus 173
Consensus 472
Consensus 917
Consensus 915
Consensus BMV TATTGCCCTGCTCCTGACAGCCAGTGAAGAGCCCCACGGATGGCCCGGAACCTTGGCCCGATATGTGCAGGGCCTGAAGAAGAAGGTTATTGTGATCCGGTGGGCATTGGACCTCATGCCAGCCTC

```

M. primigenius, vWF, AF154874
M. primigenius, vWF, AF154873
M. primigenius, vWF, AF154875
E. maximus, vWF, resequenced
E. maximus, vWF, U31611
L. africana, vWF, resequenced
L. africana, vWF, U31615
----
Human, vWF, NM_000552

      530      540      550      560      570      580      590
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....
-----
Consensus Ber12
Consensus 473
Consensus 173
Consensus 472
Consensus 917
Consensus 915
Consensus BMV
AAGCAGGTCCGCCTTATCGAGAAGCAGGCCCTGAGAACAAAGCCTTTGTGCTTAGCAGCGTGACGAGCTGN
-----
M. primigenius, vWF, AF154874
M. primigenius, vWF, AF154873
M. primigenius, vWF, AF154875
E. maximus, vWF, resequenced
E. maximus, vWF, U31611
L. africana, vWF, resequenced
L. africana, vWF, U31615
----
Human, vWF, NM_000552
AAGCAGATCCGCCTCATCGAGAAGCAGGCCCTGAGAACAAAGCCTTCGTGCTGAGCAGTGTGGATGAGCTGG

```