```
                    810       820       830       840       850       860       870       880
                      |         |         |         |         |         |         |         |
S.scrofa      GGGACAACACCAGGAGGCCTGTGGATGACTACGAGAACTGCTACCTGGCACAGGTCCCTTCCCACGCCGTCGTGGCCCGA
B.taurus      GGGACAACACCCGGAAGTCTGTAGATGATTACCAAGAATGCTACTTGGCAATGGTTCCTTCCCATGCGGTTGTGGCTCGA
E.caballus    GGGACAACACCCGGAAGTCAGTGGATGAATACAAGGACTGCTACCTGGCCAGCATCCCTTCCCATGCCGTTGTGGCCCGA
Consensus     *********** *** * * ** ***** *** *  * ****** ****     * ******** ** ** ***** ***

                    890       900       910       920       930       940       950       960
                      |         |         |         |         |         |         |         |
S.scrofa      AGCGTGGATGGNCAGGAGGACTCAATCTGGGAGCTTCTCAACCAGGCCCAGGAGCATTTTGGCAGAGATAAATCTCCAGA
B.taurus      ACTGTGGGCGGCAAGGAGGATGTGATCTGGGAACTTCTCAATCACGCCCAGGAACATTTTGGCAAAGATAAACCAGACAA
E.caballus    AGTGTGGACGGCAAGGAGGACTTGATCTGGGGGCTTCTCAACCAGGCCCAGGAACATTTTGGCACAGAAAATCTAAAGA
Consensus     *  ****  **  *******    *******  ******** ** ******** ********** *** *** *     *

                    970       980       990      1000      1010      1020      1030      1040
                      |         |         |         |         |         |         |         |
S.scrofa      CTTCCAGCTTTTCAGCTCCTCTCATGGGAAGGACCTGCTGTTTAAGGATTCTGCCAATGGGTTCTTAANGATTCCCTCTA
B.taurus      TTTCCAGCTTTTCCAATCCCCTCATGGGAAGGACCTGCTGTTTAAGGACTCTGCTGATGGGTTTTTAAAGATTCCTTCTA
E.caballus    CTTCCATCTCTTCAGCTCCCCTCATGGGAAGGACCTGCTGTTTAAGGACTCTGCCCTTGGCTTTTTAAGGATTCCCCCTG
Consensus      ***** ** ***   *** ***************************** *****   *** ** **** ******  **

                   1050      1060      1070      1080      1090      1100      1110      1120
                      |         |         |         |         |         |         |         |
S.scrofa      AGATGGACTCCTCGCTGTACCTGGGGTATCAGTATGTCACTGCTCTTCGGAATCTAAGAGAAGAAATAAGCCCTGATAGC
B.taurus      AGATGGATTTTGAGCTGTACTTGGGATATGAATATGTCACTGCTCTTCAGAATCTAAGAGAAAGTAAACCCCCGGACTCC
E.caballus    CGATGGACACCTGGCTGTACCTGGGATATGAGTATGTCACTGCTATTCGGAATCTAAGGGAAGATATACGCCCAGAAGTC
Consensus      ******      ******* **** *** * ************ *** ********* ***   * *  *** **   *

                   1130      1140      1150      1160      1170      1180      1190      1200
                      |         |         |         |         |         |         |         |
S.scrofa      TCAAAGAATGAATGCAAGAAGGTGAGGTGGTGTGCCATAGGCCACGAGGAGACGCAAAAATGCGATGCGTGGAGCATAAA
B.taurus      TCAAAGGATGAGTGCATG---GTGAAGTGGTGTGCAATTGGTCACCAGGAGAGGACAAAGTGTGATCGGTGGAGTGGGTT
E.caballus    CCAAAGGACGAATGCAAGAAGGTGAAGTGGTGTGCAATAGGCCACCATGAGAAGGTCAAGTGTGACGAGTGGAGTGTAAA
Consensus      ***** * ** **** *   **** ********* ** ** *** * **** *   ** ** **   ******

                   1210      1220      1230      1240      1250      1260      1270      1280
                      |         |         |         |         |         |         |         |
S.scrofa      CAGTGGTGGGAAAATAGAGTGTGTATCCGCAGAAAACACCGAAGACTGTATCGCCAAGATCGTGAAAGGAGAGGCTGATG
B.taurus      CAGCGGCGGGGCAATAGAGTGTGAAACAGCAGAGAACACTGAAGAGTGCATCGCCAAGATCATGAAAGGAGAAGCTGATG
E.caballus    CAGTGGAGGGAACATAGAGTGTGAGTCAGCACAGTCCACTGAAGACTGCATTGCCAAGATTGTGAAAGGAGAAGCTGATG
Consensus     *** ** ***   **********   * *** *   *** ***** ** ** ********  ********** *******

                   1290      1300      1310      1320      1330      1340      1350      1360
                      |         |         |         |         |         |         |         |
S.scrofa      CCATGAGCTTGGATGGAGGCTACATCTACATTGCGGGCAAGTGTGGTCTGGTGCCTGTCCTGGCAGAGAACTACAAAACT
B.taurus      CCATGAGCTTGGACGGAGGCTACCTCTACATAGCAGGCAAATGTGGCCTGGTGCCTGTCCTGGCAGAGAACTACAAAACT
E.caballus    CCATGAGTTTGGATGGAGGTTTCATCTACATAGCGGGCAAGTGTGGTCTGGTGCCTGTCCTGGCAGAGAACTATGAAACT
Consensus     ******* ***** ***** * * ******* ** ***** ***** *************************  *****

                   1370      1380      1390      1400      1410      1420      1430      1440
                      |         |         |         |         |         |         |         |
S.scrofa      GAGGGTGAAAAC---TGTGTAAACACACCAGAGAAAGGGTATTTGGCTGTGGCTGTGGTTAAGAAATCATCAGGTCCTGA
B.taurus      GAGGGTGAAAGT---TGCAAGAACACACCAGAAAAAGGGTATCTTGCTGTAGCTGTGGTTAAAAC---ATCAGATGCTAA
E.caballus    AGGTCTGGCTCTGCATGTGTGGACACACCAGAGGAAGGGTATCATGCTGTGGCCGTGGTTAAGTCCTCATCAGATCCTGA
Consensus       *  **         **     **********  ********   ***** ** ********      ***** * ** *

                   1450      1460      1470      1480      1490      1500      1510      1520
                      |         |         |         |         |         |         |         |
S.scrofa      TCTCAACTGGAACAATCTAAAGGGCAAGAAGTCCTGCCACACTGCAGTAGATAGAACTGCTGGCTGGAACATCCCCATGG
B.taurus      TATCAACTGGAACAATCTGAAAGACAAGAAGTCCTGCCACACTGCAGTAGACAGAACCGCTGGCTGGAACATCCCCATGG
E.caballus    CCTCACCTGGAACTCTCTGAAAGGCAAGAAGTCCTGTCACACTGGAGTAGATAGAACCGCCGGCTGGAACATCCCCATGG
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