

1 - ctcggtgcctgcaaacagccactaacagacatgctgaagtcctcctggtcggtgggcctt - 60
 1 - M L K S L L V V G L - 10

61 - ctggccgctgtttgctttggacgtgagattcatcctaaaagatggcaccactctccgac - 120
 11 - L A A V C F G R E I H P K R W H P L S D - 30

121 - caaatgatcaacttcatcaacaagatcaacacaacttgaaggcaggaaggaacttcgac - 180
 31 - Q M I N F I N K I N T T W K A G R N F D - 50

181 - aaatccatctccatgagctacatcaggggtctgatgggagtgaaccccaagagcaaggag - 240
 51 - K S I S M S Y I R G L M G V N P K S K E - 70

241 - taccgcctgccagagtttgtgcacgaagagatcccagacgacctccctgaaagcttcgat - 300
 71 - Y R L P E F V H E E I P D D L P E S F D - 90

301 - gcacgggagaagtgggtccactgcgcatcaattaaccttatccgcgaccagtccacctgc - 360
 91 - A R E K W S H C A S I N L I R D **Q** S T C - 110

CathB-S →
 361 - ggttcctgctgggcctttggcgccgaggcgatgtcggaccgtgtctgcattcacagc - 420
 111 - G S **C** W A F G A A E A M S D R V C I H S - 130

421 - gaaggagggatccaggtaaacatctctgccgaagacctcctggactgctgcgactcctgc - 480
 131 - E G G I Q V N I S A E D L L D C C D S C - 150

CathB-RT-S →
 481 - ggtgccggctgcgacggcgataccggcgaggcctgggaatactggaaggagagcgga - 540
 151 - G A G C D G G Y P A A A W E Y W K E S G - 170

541 - ctcgtagtgatggcctctacggcacccccgcaggctgcaagccttactccctcgctccc - 600
 171 - L V S D G L Y G T P D G C K P Y S L A P - 190

601 - tgcgaacaccacaccaagggttctctgcctaactgcaccgggaccgtgccacgccc aaa - 660
 191 - **C E H H T K G S L P** **N C T** **G T V P T P K** - 210

661 - tgcgtgcacctctgcaggaagggtacggcaaggactaccagcatgacaagcacttcggc - 720
 211 - **C** V H L C R K G Y G K D Y Q H D K H F G - 230

721 - aagaaggtgtattcaatttcgagcaacgagaagcaaattccagaccgagatcttcaagaac - 780
 231 - K K V Y S I S S N E K Q I Q T E I F K N - 250

781 - ggacctgtggaggctgactttaccgtttacgccgacttctgagctacaaatctggcggtg - 840
 251 - G P V E A D F T V Y A D F L S Y K S G V - 270

CathB-RT-AS ←
 841 - taccagcaccacagcgggtgacgtactcggaggccacgctattcgaatccttggatggggc - 900
 271 - Y Q H H S G D V L G G **H** A I R I L G W G - 290

CathB-AS ←
 901 - acagagaacggcacccttactggctcgtggccaactcctggaacgaagattggggcgac - 960
 291 - T E **N G T** P Y W L V A **N** S W N E D W G D - 310

961 - cacggttattttcaagattcttcgcgggaaggacgagtgtggaattgaagacgacattaac - 1020
 311 - H G Y F K I L R G K D E C G I E D D I N - 330

1021 - gccgggatccccaaggacgaatagctttaataaattatttgtcaaaagcagttaaaa - 1077
 331 - A G I P K D E * - 337