

1 - acaaattgtacgtgcagcaaaacgaggcacgacggtataaatgcgtgttcgaccttaact - 60
1 - M R C S T L T - **7**

61 - ttgacccttgtggctcctattggccgcagaatgtgcgtttggcgctttcaggatcccgtc - 120
8 - L T L V V L L A A E C A F G A F R I P L - **27**

121 - acgagattcaagtctgtgcggaagcaactggcggaggaagggatctatattcacgaagga - 180
28 - T R F K S V R K Q L A E E G I Y I H E G - **47**

181 - ccctatccggagccactgggtcaacttactcgatgtggaatactacgggtcccataagcatc - 240
48 - P Y P E P L V N L L D V E Y Y G P I S I - **67**

CathD-RT-S → CathD-S →
241 - gggacccccgccccaaagacttccaggtgattttcgacaccggttctgctaacctttggctg - 300
68 - G T P P Q D F Q V I F **D** T G S A N L W L - **87**

301 - ccgtcttcgaagtgcacgacaaaagtactgtttgcaccatcacagatacgacagcagcaaa - 360
88 - P S S K C T T K Y C L H H R Y D S S K - **107**

361 - tccagtacctacgaagcggatgggtcgcaatttcaccatagtgtacggatcaggaaatgtc - 420
108 - S S T **Y** E A D G R N F T I V Y G S G N V - **127**

421 - gaaggatttatcagcaaagatgtatgtcggatcggcagtgctaaggtgagtggaagcccc - 480
128 - E G F I S K D V C R I G S A K V S G Q P - **147**

481 - ctgggggaagccctagtgggtgggaggagaatcgctgcttgaagcacccttcgacggcatc - 540
148 - L G E A L V V G G E S L L E A P F D G I - **167**

541 - ctgggtctggcttacccgagcattgccgtggatggagtggtgcccgtcttcgacaacatg - 600
168 - L G L A Y P S I A V D G V V P V F D N M - **187**

601 - atgaagcagggctctgcttggggagcagaatgtcttctccgtctacctgaacagggacccc - 660
188 - M K Q G L L G E Q N V F S V Y L N R D P - **207**

CathD-RT-AS ←
661 - tccagcaaggagggcggggaggtcctgttcggcgcatcgaccacgatcactacaagggc - 720
208 - S S K E G G E V L F G G I D H D H Y K G - **227**

721 - agcatcacctacgtccccgtcacggccaagggctactggcagttccacgtggacgggtgtc - 780
228 - S I T Y V P V T A K G Y W Q F H V D G V - **247**

781 - aagtcggttagcgcctcaaaatcggcaccggagttgctgtgcaaggatggttgcaagcc - 840
248 - K S V S A S K S A P E L L C K D G C E A - **267**

841 - attgcggacacgggcacctcgctcatcaccggaccacccgaagaggtggactccctgaac - 900
268 - I A **D** T G T S L I T G P P E E V D S L N - **287**

901 - cagtacctcgaggcactaagacagaaggcggacagtacctactcgactgtgacaagctg - 960
288 - Q Y L G G T K T E G G Q Y L L D C D K L - **307**

961 - gagagcctaccgaatgtcaccttcacaatttcggaagaattctcgctccgcagcaag - 1020
308 - E S L P N V T F T I S G K E F S L R S K - **327**

1021 - gactacgtcctgaaggtaaatacaacaaggtcaaacgctttgcgtgagcgggtttcatgagc - 1080
328 - D Y V L K V N Q Q G Q T L C V S G F M S - **347**

CathD-AS ←
1081 - ctggagatgcctcaaccctgtggattttcgagacgtgttctgggcccttactacccc - 1140
348 - L E M P Q P L W I F G D V F L G P Y Y P - **367**

1141 - atcttcgacggggaccaggatcgggtcggcttcgcggaagttgcctagggccgtaagattt - 1200
368 - I F D R D Q D R V G F A E V A * - **322**

1201 - ccgacttcgtccgctgcagagccttttcagtcaacgggggatcgactagaaaaacctgg - 1260
1261 - gtttccccctgatcatcttgactggttgttttcgccgttatttgaaaa - 1308