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**The sequence of the two extra exons in rat preA4**


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The three human preA4-cDNAs coding for the precursor of Alzheimer's disease amyloid A4 protein are due to alternative splicing (1,2,3,4). Here we present the sequence of rat cDNA encoding the two extra exons - the "protease-inhibitor" exon and the "small" exon. The arrowheads denote the exon-intron boundaries. The human amino acid residues which differ from the rat sequence are indicated below the rat sequence.

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      865           880           900           920
      ▼
      GAGGTGTGCTCTGAACAAGCTGAGACCGGGCCATGCCGTGCAATGATCTCCCGTGGTAC
      E V C S E Q A E T G P C R A M I S R W Y

           940           960           980
      TTTGATGTCACTGAAGGAAAGTGCGCCCATCTTTTACGGCGGATGTGGCGGCAACAGG
      F D V T E G K C A P F F Y G G C G G N R

           1000           1020           1040
      AACAACTTTGACACTGAAGAGTACTGCATGGCGGTGTGTGGCAGCGTGCATCCCAAAGT
      N N F D T E E Y C M A V C G S V S S Q S
                        A M

           1060           1080           1090
      TTAQTCAAGACTACCACTGAACCTCTTCCCAAGATCCGGTTAAACTT
      L L K T T S E P L P Q D P V K L
                        Q       A R
  
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