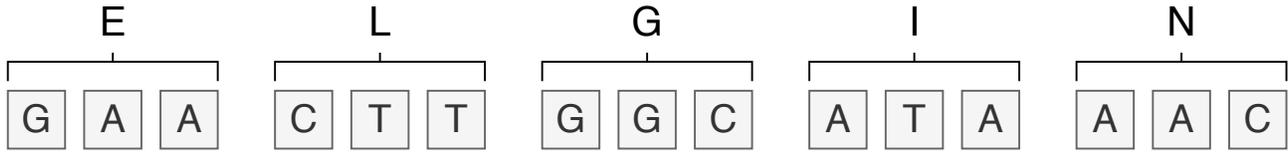


Determining CDS Coordinates



tblastn
query - CDS for *D. melanogaster* exon
subject - nucleotide (nt) sequence of interest (turn off low complexity filter and use no compositional adjustment)

For **highly conserved alignments**: look for splice sites nearest the exon boundaries
 For **less conserved alignments**: attempt to extend the exon boundaries to include additional sequence from the Open Reading Frame (ORF), while still maintaining correct splice phases; conserve exon size

