



Transcription, alternative splicing and translation

Transcription, alternative splicing and translation. It shows the typical structure of a gene in eukaryotes and reveals the relationship of the two DNA strands with the pre-mRNA sequence. It further shows the relative locations of the splicing sites (i.e. donor “GU” - exon-intron sites and the acceptor “AG” - intron-exon sites) and points out the ability of pre-mRNA to combine different coding regions (exons) into various mRNA isoforms.



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