

The diagram illustrates the structure of a protein-coding gene and its non-coding transcript. The top section, labeled "Coding", shows a gene structure with exons (orange) and introns (black) and a corresponding protein (purple). The bottom section, labeled "Non-coding", shows alternative splicing of the same gene into two non-coding transcripts. The first non-coding transcript is a long intron lariat, and the second is a shorter transcript with a different exon-intron structure. The diagram uses a grid background for scale.

