

The diagram illustrates the structure of a protein-coding gene and its non-coding regions. The top section, labeled "Coding", shows a sequence of exons (green rectangles) and introns (black lines) connected by arrows indicating the direction of transcription. The bottom section, labeled "Non-coding", shows a sequence of exons (green rectangles) and introns (black lines) connected by arrows, but with a different arrangement of exons and introns compared to the coding region.

