

The diagram illustrates the structure of a protein-coding gene and its corresponding protein. The top part shows the gene structure with exons (colored blocks) and introns (lines with arrows). The bottom part shows the protein structure with domains (colored blocks) and loops (lines).

Gene Structure (Top):

- Exons:** Represented by colored blocks. The colors correspond to the protein domains: red (N-terminal), blue (coiled-coil), black (zinc finger), green (zinc finger), and pink (C-terminal).
- Introns:** Represented by lines with arrows indicating the direction of transcription.

Protein Structure (Bottom):

- Domains:** Represented by colored blocks. The colors correspond to the protein domains: red (N-terminal), blue (coiled-coil), black (zinc finger), green (zinc finger), and pink (C-terminal).
- Loops:** Represented by lines connecting the domains.

Legend:

- Color Key:**
 - Red: N-terminal domain
 - Blue: Coiled-coil domain
 - Black: Zinc finger domain
 - Green: Zinc finger domain
 - Pink: C-terminal domain
- Line Key:**
 - Red line: Non-coding region
 - Black line: Coding region

