

The diagram illustrates the structure of a protein-coding gene and a non-coding gene. The top section, labeled "Coding", shows a gene with a 5' cap, a series of exons (represented by vertical bars) and introns (represented by horizontal lines with arrows), and a 3' UTR. The bottom section, labeled "Non-coding", shows a gene with a 5' cap, a series of exons and introns, and a 3' UTR. The diagram uses a color scale from black to blue to represent the degree of conservation, with blue indicating higher conservation.

