

The diagram illustrates the evolution of a protein-coding sequence from a non-coding sequence. It is divided into two main sections: 'Coding' and 'Non-coding'.

Coding Section: This section shows four horizontal tracks of sequence evolution. The top track represents a sequence that starts with a stop codon (black block) and evolves into a functional protein (various colored blocks). The second track shows a sequence that starts with a stop codon and evolves into a functional protein. The third track shows a sequence that starts with a stop codon and evolves into a functional protein. The fourth track shows a sequence that starts with a stop codon and evolves into a functional protein.

Non-coding Section: This section shows a single track of sequence evolution. The sequence starts with a stop codon (black block) and remains non-coding (black blocks) throughout its evolution.

