

The diagram illustrates a DNA double helix structure. The top strand is represented by blue circles containing the bases U, G, and A. The bottom strand is represented by green circles containing the bases U, A, and G. The base pairs are U-A, G-C, and A-T, connected by red horizontal lines. The strands are connected by grey vertical lines representing the sugar-phosphate backbone.

$$\left(\left(\left(\begin{matrix} \cdot & \cdot & \cdot & \cdot \end{matrix} \right) \right) \right)$$

The diagram illustrates a sequence alignment between two RNA sequences. The top sequence is G U U G U G A A A U and the bottom sequence is G U U G U G A A A U. They are aligned in a grid where black squares indicate matches. The alignment shows perfect pairing for all positions.