

T A C A A T T T A A C T

The diagram illustrates a DNA double helix structure. The top strand is composed of the sequence T A C A A T T T A A C T, with bases colored red, green, blue, green, green, red, red, red, green, green, blue, and red respectively. The bottom strand is composed of the sequence A T G T T A A A T T G A, with bases colored green, red, orange, red, red, green, green, green, red, red, orange, and green respectively. The bases are connected by horizontal lines representing hydrogen bonds. The sequence T A C A A T T T A A C T is the coding strand, and A T G T T A A A T T G A is the template strand.