

Diagram illustrating a DNA sequence alignment. The top sequence is GAAAGCTGAAAGCT and the bottom sequence is GAAAGCTGAAAGCT. The sequences are color-coded: G is orange, A is green, C is blue, and T is red. The sequences are aligned such that the first G of the top sequence is above the first G of the bottom sequence, and so on, up to the 12th position. The 12th position is a T in both sequences.