

G A A G G A A C

The image displays a DNA sequence G A A G G A A C. The bases are color-coded: G is orange, A is green, and C is blue. The sequence is presented in two rows. The top row contains the bases G, A, A, G, G, A, A, C. The bottom row contains the complementary bases C, T, T, C, C, T, T, G. A double-strand break is indicated by a gap between the third and fourth bases (A and G). The break is shown by a red line segment on the bottom strand and a green line segment on the top strand, both of which are shorter than the segments on either side, suggesting a break in the phosphodiester backbone. The bases are connected to the strands by vertical lines representing hydrogen bonds.