

Diagram illustrating a DNA double helix structure. The top strand (5' to 3') is labeled with bases: C, C, A, Y, R, G, U, A, Y, G, G, A, G, R, U, R, A, U, U. The bottom strand (3' to 5') is labeled with bases: G, G, C, C, A, T, T, A, C, C, G, C, G, C, A, T, T, A, A. A red dot is placed on the 'Y' in the top strand, which is paired with a 'C' in the bottom strand. A red arrow points to the 'Y' in the top strand, indicating a mutation from 'A' to 'Y'.