

The diagram illustrates the cloverleaf structure of a tRNA molecule. The acceptor stem is at the top, with the 3' end ending in UAA. The TΨC loop is on the right, containing the sequence G-C, C-C, and C-C. The D loop is on the left, containing the sequence G-U. The anticodon loop is at the bottom, containing the anticodon sequence UG. A mutation is indicated by a red circle around the U in the anticodon loop, which is paired with a G in the TΨC loop. The mutation is labeled with a red '1086' on the left and a red '1099' on the right. The sequence of the acceptor stem is UAA, and the sequence of the TΨC loop is G-C, C-C, C-C. The sequence of the D loop is G-U. The sequence of the anticodon loop is UG. The sequence of the 3' end is UAA. The sequence of the 5' end is G. The sequence of the 3' end is UAA. The sequence of the 5' end is G. The sequence of the 3' end is UAA. The sequence of the 5' end is G.

Diagram illustrating the cloverleaf structure of a tRNA molecule, showing the anticodon sequence (GCU) and its pairing with the codon sequence (GAA). The anticodon is highlighted in a pink box, and the codon is highlighted in a blue box. The anticodon sequence is flanked by positions 2304 and 2312, and the codon sequence is flanked by positions 2330 and 2340.