

The diagram illustrates the secondary structure of an RNA molecule. The sequence is 5'-AGUURGAR...AAYGCAG. The structure features several key elements:

- Stem-Loop 1 (Top Left):** A large loop formed by the sequence AUGUAUAACRACU. The loop is capped with a red dot on the 'Y' nucleotide.
- Stem-Loop 2 (Middle):** A stem-loop structure with a stem of C-G, G-C, and A-U base pairs. The loop is capped with a red dot on the 'A' nucleotide.
- Stem-Loop 3 (Bottom Middle):** A smaller stem-loop with a stem of U-A, U-A, and U-A base pairs. The loop is capped with a red dot on the 'U' nucleotide.
- Stem-Loop 4 (Right):** A small stem-loop with a stem of U-A, U-A, and U-A base pairs. The loop is capped with a red dot on the 'U' nucleotide.

Red dots are placed on specific nucleotides throughout the sequence, likely indicating sites of interest or modification. Red lines connect the base pairs, showing the overall folding of the RNA molecule.