

The diagram illustrates the secondary structure of the 16S rRNA gene. The RNA sequence is shown as a series of nucleotides (A, U, G, C) connected by lines representing base pairs. The 5' and 3' ends are labeled. A segment of the sequence, including the Shine-Dalgarno sequence (AGGAGG), is highlighted in red. The structure shows several stems and loops, characteristic of the 16S rRNA fold.

