

The diagram shows a single-stranded RNA molecule. The 5' end is capped with a 7-methylguanosine (m7G) cap, represented by a red 'G' in a circle. The 3' end has a poly-A tail, represented by a sequence of yellow 'A's in circles. The main body of the RNA is a single strand of nucleotides (U, C, G, A) connected by phosphodiester bonds, shown as a chain of circles with letters inside. The 5' and 3' ends are labeled with their respective orientations.

[illegible]