

The diagram shows a single-stranded RNA molecule. The 5' end is capped with a 7-methylguanosine (m7G) cap, represented by a blue 'G' and a blue 'U' connected by a blue line. The 3' end has a poly(A) tail, represented by a red 'A' and a red 'U' connected by a red line. The main body of the RNA is a single strand of nucleotides, represented by a blue line with blue 'G' and red 'U' bases. The sequence of the RNA is 5'-m7GpU-GGUGCAUGGGUUAUGGGAAUUGG-3'. The bases are color-coded: blue for G and red for U. The 5' cap is shown in blue, and the 3' tail is shown in red.



5'	acuaaguggggaggguuaggacagacaaaauuuugguuaggaggucaugggugauggaccuuggacaucaaggucugugcaucaugaucagaacacaaaauuuuuccuguccagc	-3'	exp
((((((((.....(((((((((.((((((((((((((((((((((((.....))	reads	mm
aggucugugcaucaugaucagaac.....	1	0
ucugugcaucaugaucagaagaca.....	1	0
		seq	seq