

The diagram shows a linear DNA strand on the left, oriented 3' to 5' from left to right. The sequence of bases is: G, A, A, C, U, C, U, C, G, U, C, C, G, G, U, U, A, G, C, A, A, C, G, G, C, U, U, U, U, U, G, A, C, A, C, C, C, A, C, U, U, U, G, U. This strand is connected to a circular plasmid on the right. The plasmid is a closed loop of DNA with the sequence: U, U, U, G, U, C, U, C, C, A, C, C, C, A, C, A, G, A, U, U, U, U, U, U, G, A, C, A, C, C, C, A, C, U, U, U, G, U. The plasmid is colored orange, while the linear strand is colored blue and green.



5'-	uuuccuuuuuacaccuugaagaggggcggcguugaggc <u>cuuuuuguuuuugucgaccccacagcaaaaggaacagaauuggcgugcucucaag</u> ucgggggauggcuuaaguug	-3'		exp
	.....(((.((((((((((.((((((((.(....)))))).)))))..)))).).....))))).)).....))... reads		mm	sample
	.....aacgaauuggcgugcucucaag.....	16	0	seq
	.....aaUgaauuggcgugcucucaag.....	1	1	seq
	.....aacgaauuggcgugcucucaagC.....	2	1	seq