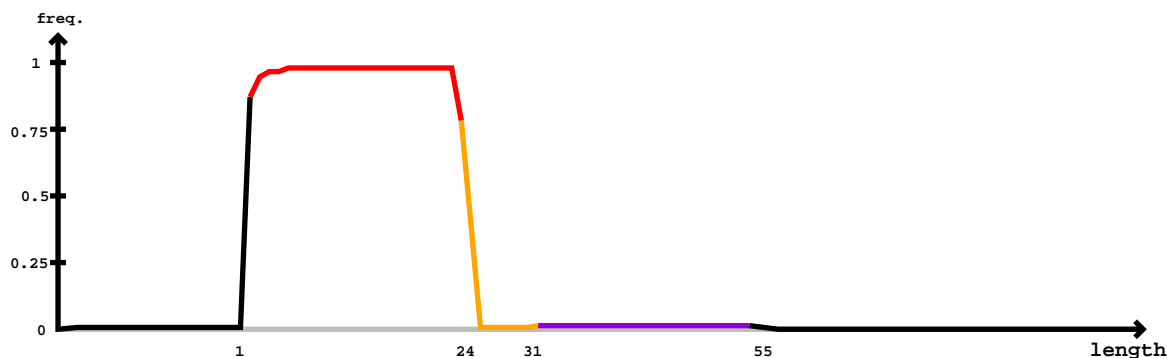


The diagram illustrates a segment of a DNA double helix. Two sugar-phosphate backbones are shown as curved paths. The left strand runs from 5' at the top to 3' at the bottom, while the right strand runs from 3' at the top to 5' at the bottom. Complementary nitrogenous bases are connected by hydrogen bonds (represented by red lines). The base pairs are: Adenine (A) with Thymine (T), Guanine (G) with Cytosine (C), and Cytosine (C) with Guanine (G).



5 -	ucuuuacgggaacgacgau <b>cacgaagaagaggguacaaguauuuuau<u>cuuguccccuacuucuuuugcaa</u></b> uugucuuuuuuccuaaucucaugaguaaacauaaucuaauc ucuuuacgggaacgacgau <b>cacgaagaagaggguacaaguauuuuau<u>cuuguccccuacuucuuuugcaa</u></b> uugucuuuuuuccuaaucucaugaguaaacauaaucuaauc ..(((.((((.((((.((((.((((.((((.((((.(.....))))).)))).))))))).)))))).)))))).)....)	-3'	obs	
			exp	
		reads	mm	sample
Acuuacgggaacgacgauc.....		1	1	s72
.....Aacgaaaagaagaggguacaag.....		3	1	s72
.....Aacgaaaagaagaggguacaagu.....		24	1	s72
.....Aacgaaaagaagaggguacaagua.....		4	1	s72
.....acgaaaagaagaggguacaag.....		1	0	s72
.....acgaaaagaagaggguacaagu.....		2	0	s72
.....cgaaaagaagaggguacaagu.....		1	0	s72
.....Aacgaaaagaagaggguacaag.....		7	1	s60
.....Aacgaaaagaagaggguacaagu.....		11	1	s60
.....aaagaagaggguacaagua.....		1	0	s60
.....Aacgaaaagaagaggguacaag.....		5	1	s52
.....Aacgaaaagaagaggguacaagu.....		12	1	s52
.....Aacgaaaagaagaggguacaagua.....		5	1	s52
.....acgaaaagaagaggguacaagu.....		2	0	s52
.....acgaaaagaagaggguacaagua.....		1	0	s52
.....Aacgaaaagaagaggguacaag.....		2	1	s23
.....Aacgaaaagaagaggguacaag.....		4	1	s35
.....Aacgaaaagaagaggguacaagu.....		8	1	s35
.....Aacgaaaagaagaggguacaagua.....		3	1	s35
.....acgaaagCaugaggguacaagua.....		1	1	s35
.....cgaaaagaagaggguacaagu.....		1	0	s35
.....uuuuuau <u>cuuguccccuacuucuuuugcaU</u> .....		1	1	s35
.....Aacgaaaagaagaggguacaag.....		5	1	s85
.....Aacgaaaagaagaggguacaagu.....		30	1	s85
.....Aacgaaaagaagaggguacaagua.....		4	1	s85
.....acgaaaagaagaggguacaag.....		1	0	s85
.....acgaaaagaagaggguacaagu.....		4	0	s85
.....cgaaaagaagaggguacaag.....		1	0	s85

MatureStar

ucuuuacggaacgacgau	cacgaaagaaugaggguaacaagua	uuuuuau	cuuguccccuacuucuuuugcaa	uuugucuuuuucccuaaucucaugaguaacauaaucaauc			
.....	aaagaaugaggguaacaagu.....				1	0	s85
.....		Auuguccccuacuucuuuugcaa.....			1	1	s85