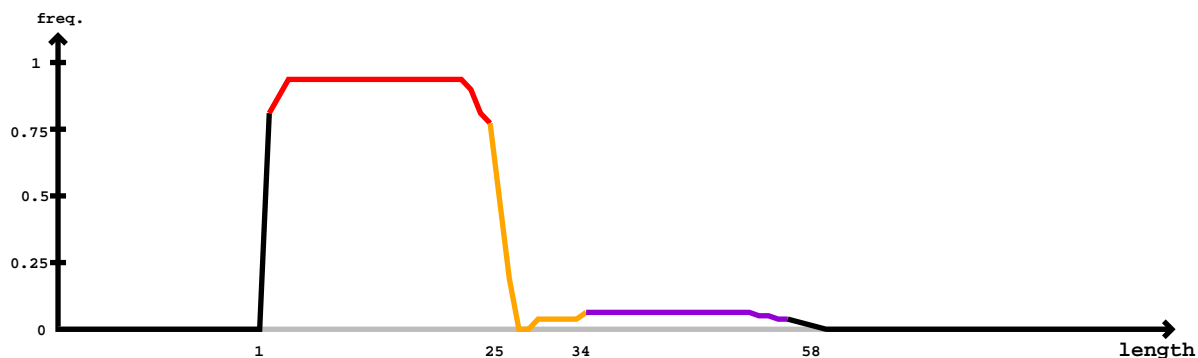


The diagram illustrates a segment of a DNA double helix. Two sugar-phosphate backbones are shown as curved lines at the top and bottom, oriented in opposite directions (antiparallel). The top strand runs from 5' to 3' (left to right), while the bottom strand runs from 3' to 5' (left to right). Between the backbones, nitrogenous bases are represented by colored circles: red for Adenine (A) and Guanine (G), blue for Thymine (T) and Cytosine (C), and yellow for Guanine (G) and Cytosine (C). Base pairs are connected by horizontal lines representing hydrogen bonds: A pairs with T (two lines), G pairs with C (three lines), and C pairs with G (three lines).



Star

	-3'	obs	
		exp	
	reads	mm	sample
cgcgggauguuuguagaacaagagaagaauucguaaaacacgagcccaggcgagugauuuuacgaaauucucgaguuguuuccagcauccccaaaucguuuaucaugccuaaaa			
cgcgggauguuuguagaacaagagaagaauucguaaaacacgagcccaggcgagugauuuuacgaaauucucgaguguuuuccagcauccccaaaucguuuaucaugccuaaaa			
...(((((((.(.((((((...(((((((((((((((((((((((((((((..)))..)))))))))))))))))....)))))).).)))))))).			
.....agagaagaauucguaaaacac.....	1	0	s35
.....agagaagaauucguaaaacacg.....	1	0	s35
.....agagaagaauucguaaaacacga.....	1	0	s35
.....agagaagaauucguaaaacacgag.....	4	0	s35
.....agagaagaauucguaaaacacgagc.....	1	0	s35
.....agagaagCaucguaaaacacgagcc.....	1	1	s35
.....agagaagaauucguaaaacacAagcc.....	1	1	s35
.....agagaagaauucguaaaacacgagcc.....	3	0	s35
.....agagaagaauucguaaaacacgagcU.....	1	1	s35
.....agaagaauucguaaaacacgagc.....	1	0	s35
.....agaagaauucguaaaacacgagcc.....	1	0	s35
.....aggcgagugauuuuacgaaauucucgag.....	1	0	s35
.....agugauuuuacgaaauucucgag.....	1	0	s35
.....agagaagaauucguaaaacacg.....	1	0	s23
.....agagaagaauucguaaaacacgag.....	3	0	s23
.....agagaagaauucguaaaacacgagc.....	2	0	s23
.....gagaagaauucguaaaacacgag.....	1	0	s23
.....agugauuuuacgaaauucucgag.....	1	0	s23
.....agagaagaauucguaaaacacA.....	1	1	s52
.....agagaagaauucguaaaacacga.....	2	0	s52
.....agagaagaauucguaaaacacgag.....	4	0	s52
.....agagaagCaucguaaaacacgag.....	1	1	s52
.....agagaagaauucguaaaacacgagU.....	1	1	s52
.....agagaagaauucguaaaacacgagc.....	4	0	s52
.....agagaagaauucguaaaacacAagcc.....	2	1	s52
.....gagaagaauucguaaaacacgag.....	1	0	s52
.....gagaagaauucguaaaacacgagc.....	1	0	s52
.....gagaagaauucguaaaacacgagcU.....	1	1	s52
.....agaagaauucguaaaacacgagcc.....	1	0	s52
.....agagaagaauucguaaaacac.....	1	0	s13

Mature

Star

cgcggggauguuuuagagaacaagagaagaaucguaaaucacgagccccagggcagugauuuacgaaucucucgaguguuucuccagcaucccaauucguuuaucaugccuauaa			
.....agagaagaaucguaaaucacg.....	1	0	s13
.....agagaagaaucguaaaucacgag.....	1	0	s13
.....agagaagaaucguaaaucacgaC.....	1	1	s13
.....agagaagaaucguaaaucacgagCC.....	2	0	s13
.....agagaagaaucguaaaucacgagcA.....	1	1	s13
.....gagaagaaucguaaaucacgaCc.....	1	1	s13
.....agaagaaucguaaaucacA.....	1	1	s13
.....aggcgagugauuuacgaaucucg.....	1	0	s13
.....agagaagaaucguaaaucacg.....	1	0	s60
.....agagaagaaucguaaaucacgag.....	7	0	s60
.....agagaagaaucguaaaucAUgag.....	1	1	s60
.....agagaagaaucguaaaucacgagA.....	1	1	s60
.....agagaagaaucguaaaucacgagc.....	6	0	s60
.....agaagaaucguaaaucacg.....	1	0	s60
.....agagaagaaucguaaaucac.....	1	0	s72
.....agagaagaaucguaaaucacgag.....	2	0	s72
.....agagaagaaucguaaaucacgagU.....	1	1	s72
.....agagaagaaucguaaaucacgagc.....	1	0	s72
.....agagaagaaucguaaaucacgagcU.....	1	1	s72
.....aggcgagCgauuuacgaaucuu.....	1	1	s72