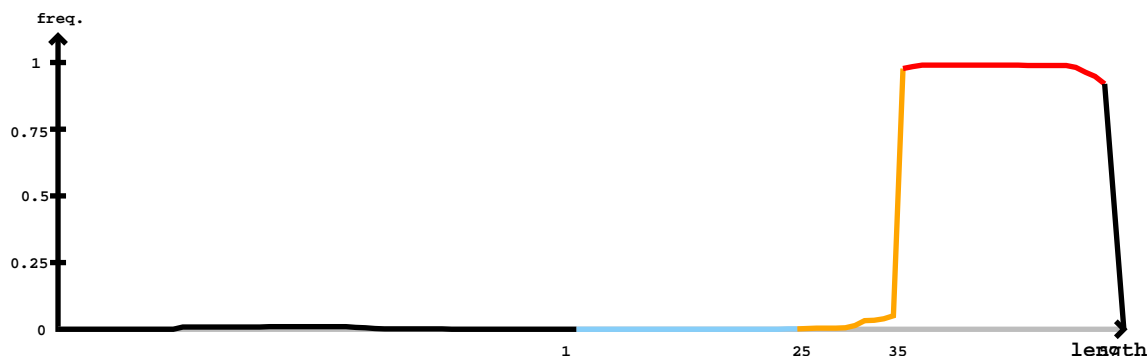


The diagram illustrates a segment of a DNA double helix. The top strand is oriented 5' to 3' from left to right, while the bottom strand is oriented 3' to 5' from left to right. The sugar-phosphate backbones are shown as blue circles, and the nitrogenous bases are represented by letters A (Adenine), T (Thymine), C (Cytosine), and G (Guanine). Base pairing is indicated by red lines connecting complementary bases: A with T, and C with G.



Mature

5'	-3'	exp	
cuucgcugacgaucgggacgaucauaugagaaacuucgaucgcuuocgagucgcuucgaugucacuuocgaucgucucaguuuuugcaaacgaucgaucggaugagaacga	reads	mm	sample
.((((((.((((((((((.(((.....)).)))))))).)).)))((((.(((.((((((((((((((((((((((.(((.....)).)))))))).)).)))).))	1	1	s02
.....aucgggacgaucgauaugagaC.....	1	0	s02
.....aucgauaugagaacuuocga.....	1	0	s02
.....Uaaacgaucgaucggaugagaacgc.	2	1	s02
.....aacgaucgaucggaugagaacgc.	1	0	s02
.....aacgaucgaucggaugagaacgcU	1	1	s02
.....aacgaucgaucggaugagaacgc.	1	0	s18
.....aacgaucgaucggaugaga.....	1	0	s16
.....aacgaucgaucggaugagaaa..	1	0	s13
.....aacgaucgaucggaugagaacgc.	3	0	s13
.....ucaguuuuugcaaacgaucgaucgc.....	1	0	s07
.....uuugcaaacgaucgaucggaugagaacga	1	0	s07
.....ugcaaacgaucgaucggaugagaacgc.	1	0	s07
.....ugcaaacgaucgaucggaugagaacA.	2	1	s07
.....aaacgaucgaucggaugagaacgcU	3	1	s07
.....aacgaucgaucggaugaga.....	1	0	s07
.....aacgaucgaucggaugagaaa..	1	0	s07
.....aacgaucgaucggaugagaaaU..	3	1	s07
.....aacgaucgaucggaugagaac..	4	0	s07
.....aacgaucgaucggaucCaaacgc.	1	1	s07
.....aacgaucgaucggaugagaacgc.	66	0	s07
.....aacgaucgaucgcCuagaacgc.	1	1	s07
.....aacgaucgaucggaugagaacgcC	5	1	s07
.....aacgaucgaucggaugagaacga	1	0	s07
.....aacgaucgaucggaugagaacgcU	27	1	s07
.....acgaucgaucggaugCaacgc.	1	1	s07
.....acgaucgaucggaugagaacgc.	1	0	s07
.....uuugcaaacgaucgaucggaugagaacgcU	2	1	s12
.....ugcaaacgaucgaucggaugagaacgc.	3	0	s12
.....aaacgaucgaucggaugagaacA.	2	1	s12

Star

Mature

cuucgcugacgaucgggacgaucauaugagaaacuuccgaucgcuucgagucg	cuucggaugucacucgaucgucuc	aguauuugcaaacgaucgaucggaugaaacga			
.....aacgaucgaucggaugagaC...	1	1	s12		
.....aacgaucgaucggaugaga...	2	0	s12		
.....aacgaucgaucggaugagaaa...	2	0	s12		
.....aacgaucgaucggaugagaac..	3	0	s12		
.....aacgaucgaucggaugagaGacg.	2	1	s12		
.....aacgaucgaucggaugagaaAg.	1	1	s12		
.....aacgaucUaugcgaugaaacg.	1	1	s12		
.....aacgaucgaucggaugaaacg.	77	0	s12		
.....aacgaucgaucggaugaaacgC	10	1	s12		
.....aacgaucgaucggaugaaacga	3	0	s12		
.....aacgaucgaucggaugaaacgU	26	1	s12		
.....acgaucgaucggaugaaacg.	2	0	s12		
.....aacgaucgaucggaugaga...	1	0	s09		
.....aacgaucgaucggaugaaacg.	2	0	s09		
.....guauuugcaaacgaucgCugcgaugagaac..	1	1	s14		
.....aacgaucgaucggaugaaacg.	8	0	s14		
.....aacgaucgaucggaugaaacgU	1	1	s14		
.....aacgaucgaucggaugaga....	1	0	s19		
.....aacgaucgaucggaugagaacg.	11	0	s19		
.....aacgaucgaucggaugagaacgU	1	1	s19		
.....guauuugcaaacgaucgaucggaugagaac..	1	0	s08		
.....uugcaaacgaucgaucggaugagaacA.	3	1	s08		
.....uugcaaacgaucgaucggaugagaacg.	1	0	s08		
.....caaacgaucgaucggaugagaacg.	1	0	s08		
.....aaacgaucgaucggaugagaacg.	1	0	s08		
.....aacgaucgaucggaugaga....	2	0	s08		
.....aacgaucgaucggaugaga...	1	0	s08		
.....aacgaucgaucggaugagaa...	2	0	s08		
.....aacgaucgaucggaugagaGac..	1	1	s08		
.....aacgaucgaucggaugagaac..	2	0	s08		
.....aacgaucgaucggaugagaaU..	2	1	s08		
.....aacgaucgaucggaugagaacg.	1	1	s08		
.....aacgaucgaucggaugagaacg.	86	0	s08		
.....aacgaucgaucggaugagaacAa	2	1	s08		
.....aacgaucgaucggaugagaacgC	4	1	s08		
.....aacgaucgaucggaugagaacgU	17	1	s08		
.....cgaucgaucggaugagaacg.	1	0	s08		
.....aucgggacgaucauaugaU.....	1	1	s10		
.....aucgggacgaucauaugaga.....	2	0	s10		
.....aacgaucgaucggaugagaacga	2	0	s10		
.....ugcaaacgaucgaucggaugagaacA.	1	1	s03		
.....aacgaucgaucggaugaga...	5	0	s03		
.....aacgaucgaucggaugagaac..	1	0	s03		
.....aacgaucgaucggaugagaacg.	21	0	s03		
.....aacgaucgaucggaugagaGcg.	1	1	s03		
.....aacgaucgaucggaugagaacgU	8	1	s03		
.....aacgaucgaucggaugagaacgC	6	1	s03		
.....acgaucgaucggaugagaacg.	1	0	s03		
.....cgaucgaucggaugagaacg.	2	0	s03		
.....ugcaaacgaucgaucggaugagaaU..	1	1	s06		
.....ugcaaacgaucgaucggaugagaacg.	3	0	s06		
.....ugcaaacgaucgaucggaugagaacgU	2	1	s06		
.....gcaaacgaucgaucggaugagaacg.	1	0	s06		
.....caaacgaucgaucggaugagaacgU	1	1	s06		
.....aaacgaucgaucggaugagaacgU	2	1	s06		
.....aacgaucgaucggaugaga....	1	0	s06		
.....aacgaucgaucggaugaga...	2	0	s06		
.....aacgaucgaucggaugagaaU..	1	1	s06		
.....aacgaucgaucggaugagaa...	4	0	s06		
.....aacgaucgaucggaugagaac..	1	0	s06		
.....aacgaucUaugcgaugagaacg.	1	1	s06		
.....aacgaucgaucggaCagagaacg.	1	1	s06		
.....aacgaucgaucggaugagaaUcg.	1	1	s06		

Star

Mature

cuucgcugacgaucgggacgaucauaugagaaacuuccgaucgcuucgagucg	uuucgaugucacuuccgaucgucuc	aguuuuugcaaacgaucgaugcgauagaaacga			
.....	Gacgaucgaugcgauagaaacg.		1	1	s06
.....	aacgaucgGugcgauagaaacg.		2	1	s06
.....	aacgaucgaugcgauagaaacg.		151	0	s06
.....	aacgaucgaugcgauagaGacg.		1	1	s06
.....	aacgaucgaugcgauagaaacga		6	0	s06
.....	aacgUucgaugcgauagaaacga		2	1	s06
.....	aacgaucgaugcgauagaaacgU		43	1	s06
.....	aacgaucgaugcgauagaaacgG		1	1	s06
.....	aacgaucgaugcgauagaaacgC		5	1	s06
.....	.cgauucgaugcgauagaaacg.		1	0	s06
.....aucgggacgaucauauga.....			2	0	s01
.....	aacgaucgaugcgauagaaacg.		1	0	s01