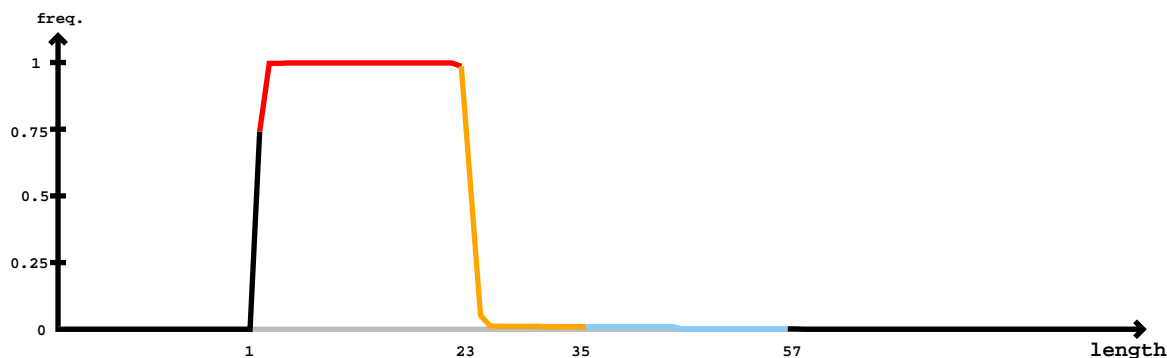


The diagram illustrates a segment of a DNA double helix. Two antiparallel sugar-phosphate backbones are shown as red zig-zag lines. The top strand runs from 5' to 3' (left to right), while the bottom strand runs from 3' to 5' (left to right). Complementary nitrogenous bases are represented by colored circles: blue for Adenine (A) and Thymine (T), and orange for Guanine (G) and Cytosine (C). Base pairs are connected by black horizontal bars representing hydrogen bonds. The sequence of the top strand (5' to 3') is A-T-T-G-A-G-C-G-U-U-G-A-C-U-C-U-U. The sequence of the bottom strand (3' to 5') is T-A-A-C-G-C-G-C-A-A-C-G-A-G-A-A.



Star

5'	gcacccaaaacuugcugac <u>auuucgagcgguugacucuugcucauuuacua</u> <u>gacgaagagccaacgcucgaagcau</u> cagcuuuuuuauuccuugcgguagguaacuggaca	-3'	exp
	. . . . . (((((( . ((((( . (((((((((((((( . (((((( . ((. . . . . )) . ))) . )))) . )))) . )))) . )))) . . ((((((( . . . . . ))) . . . ))) . . . . .	reads	mm
	. . . . . auuucgagcgguugacucuugc . . . . .	2	0
	. . . . . auuucgagcgguugaUicuugc . . . . .	1	1
	. . . . . auuucgagcgguugacucuugcu . . . . .	438	0
	. . . . . auuucgagcgguAgacucuugcu . . . . .	2	1
	. . . . . auuAcgagcgguugacucuugcu . . . . .	1	1
	. . . . . auuucgagAGuugacucuugcu . . . . .	1	1
	. . . . . auuucgagcgguugCcucuugcu . . . . .	1	1
	. . . . . auuucgagcgguugGcucuugcu . . . . .	1	1
	. . . . . auuucgagcgguugacucuugcuc . . . . .	23	0
	. . . . . uuucgagcgguugacucuugc . . . . .	5	0
	. . . . . Auucgagcgguugacucuugcu . . . . .	1	1
	. . . . . uuucgagcgguugacucuugcu . . . . .	104	0
	. . . . . uuucgagcgguugacucuugcG . . . . .	1	1
	. . . . . uuGcgagcgguugacucuugcu . . . . .	1	1
	. . . . . uuucgagcgguugacucuugcuc . . . . .	17	0
	. . . . . uuucgagcgguugacucuugcuca . . . . .	26	0
	. . . . . uuucgagcgguugacucuugcucaA . . . . .	1	1
	. . . . . uuucgagcgguugacucuugcucauuuacu . . . . .	1	0
	. . . . . uuucgagcgguugacucuugcucauuuacuagacgaagaccat . . . . .	5	1
	. . . . . ucgagcgguugacucuugcu . . . . .	1	0
	. . . . . uuuacuagacgaagagccaacgcucgaagcau . . . . .	1	0