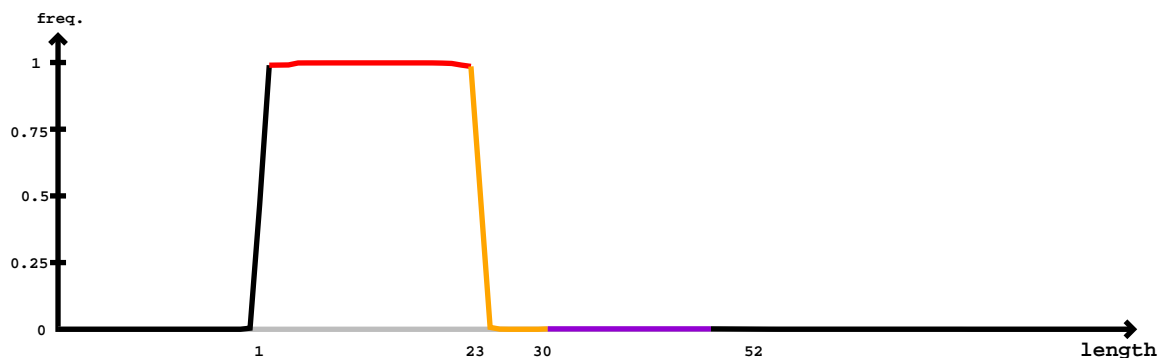


The diagram illustrates a segment of a double-stranded DNA molecule. The top strand runs from 5' to 3' (left to right) with the sequence: A-C-U-U-C-A-A-U-G-U-U-A-U-C-G-G-U-U-G-U. The bottom strand runs from 3' to 5' (left to right) with the complementary sequence: U-G-A-A-G-U-U-A-C-A-A-U-A-G-C-C-A-A-G-C-A. Base pairs are connected by horizontal lines representing hydrogen bonds: A pairs with T (represented as U in RNA), C with G, and G with C. The ends of the strands are labeled 5' and 3'.



Star

[illegible]

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[illegible]

Star

uuacuuccaauguuauucggguuuugAu	2	1	seq
uuacuucaauuAuauucggguuuuguu	1	1	seq
uuacuucaaauguuauucAguuuuguu	1	1	seq
uuacCucaaauguuauucggguuuuguu	3	1	seq
uuacuucaaauguuauucgggGuuuuguu	2	1	seq
uuacuucaaauguuGucggguuuuguu	4	1	seq
uuacuucaaauguuCaucggguuuuguu	2	1	seq
uuacuucaaauguuAuucggguuuuguu	1	1	seq
uuacuucaaauguuauucgAuuuuguu	1	1	seq
uuacuucaaauguuauucggguuuuguu	646	0	seq
uCaCuuccaauguuauucggguuuuguu	1	1	seq
Cuacuuccaauguuauucggguuuuguu	7	1	seq
uuacuucaaauguuuACggguuuuguu	5	1	seq
uuacAucaaauguuauucggguuuuguu	1	1	seq
uuacuucaaauguuauucggguuuugGu	7	1	seq
uuacuucaGuguuauucggguuuuguu	3	1	seq
uuacuuuUaauguuauucggguuuuguu	1	1	seq
uuacuucaaauguuauucggguuuuguC	175	1	seq
uuacuucaaauguuauucgggCuuguu	1	1	seq
uuacuucaaauguuauuUggguuuuguu	1	1	seq
uuacuCCaauguuauucggguuuuguu	5	1	seq
uuacuucGauguuauucggguuuuguu	5	1	seq
uuacuucaaauguuauucggguuuuguuu	38	0	seq
uuacuuccaGuguuauucggguuuuguuu	1	1	seq
uuacuCCaauguuauucggguuuuguuu	1	1	seq
uuacuucaaauguuauucggguuuuguuA	60	1	seq
uuacuucaaauguuauucggguuuuguGu	1	1	seq
uuacuucaaauguuauucggguuuuguuC	3	1	seq
uuacuucaaauguuauucggguuuuguuG	1	1	seq
uuacuucaaauguuauucggguuuuguAu	2	1	seq
uuacuucaaauguuauucggguuuuguAuA	1	1	seq
uuacuucaaauguuauucggguuuuguuuU	1	1	seq
uuacuucaaauguuauucggguuuuguuuA	5	0	seq
uacuuccaauguuauucgggC	2	1	seq
uacuucaaauguuauucgAu	1	1	seq
uacuucaaauguuauucggA	1	1	seq
uacuucaaauguuauucgggu	6	0	seq
uacuucaaauguuauucggguA	1	1	seq
Cacuuccaauguuauucggguu	1	1	seq
uacuuccaauguuauucggguu	9	0	seq
uacuuccaauguuauucggguC	5	1	seq
uacuuccaauguuauucggguG	1	1	seq
Aacuuccaauguuauucggguuu	4	1	seq
Cacuuccaauguuauucggguuu	2	1	seq
uacuuccaauguuauucggguGu	3	1	seq
uGcuuccaauguuauucggguuu	1	1	seq
uacuuccaauguuauucgggCu	1	1	seq
uacuuccaauguuauucggguuA	5	1	seq
uacuuccaauguuauucggguuu	54	0	seq
uacuuccaauguuauucggguuC	37	1	seq
uacuuccaauguuauucgAuuu	1	1	seq
uacuuccaauguuauucggguAu	2	1	seq
Aacuuccaauguuauucggguuug	1	1	seq
uacuuccaauguuuACggguuug	1	1	seq
uacuuCgauguuauucggguuug	1	1	seq
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uacuuccaauguuauucggguuCg	1	1	seq
uacuuccaauguuauucggguuuU	2	1	seq
uacuuccaauguuauucggguuuA	8	1	seq
uacuuccaauguuauucggguuug	56	0	seq
Aacuuccaauguuauucggguuuugu	235	1	seq
uacuuccaaugCuauucggguuuugu	24	1	seq
uacuuccaauguuauucggguuuCu	4	1	seq
uacuuccaauguuuGucggguuuugu	11	1	seq
uacuuccaauguuauucggguuAgu	3	1	seq
uacuGcaauguuauucggguuuugu	2	1	seq
uacuuccaauguuuACggguuuugu	15	1	seq
uacCucaaauguuauucggguuuugu	34	1	seq
uacuuccaauguuauucggguuCgu	10	1	seq
uUcuuccaauguuauucggguuuugu	3	1	seq

Mature

Star

ugcaguaaguuuuguguuuuuacuucaauguuauucgguuuguuuaaaacgaaccggaauaacaugaaguuaaaacacaaaacuuuguaaaacaaaaaaagacacuuuga

.....uacuucaauguuauucgguuuUu.....	2	1	seq
.....uacuCcaauguuauucgguuugu.....	25	1	seq
.....uacuucaauguuauUgguuugu.....	10	1	seq
.....uGcuucaauguuauucgguuugu.....	37	1	seq
.....uacuucaaugAuaucgguuugu.....	2	1	seq
.....uacuucaauguuauucgguuugA.....	385	1	seq
.....uacuucaauguuauucgguGugu.....	2	1	seq
.....uaUuucaauguuauucgguuugu.....	7	1	seq
.....uacuucaaugGuaucgguuugu.....	1	1	seq
.....uacuucaauAuuauucgguuugu.....	4	1	seq
.....uacuuCgauguuauucgguuugu.....	26	1	seq
.....Gacuucaauguuauucgguuugu.....	2	1	seq
.....uCuucaauguuauucgguuugu.....	5	1	seq
.....uacuucaauguuauucgguuugu.....	7987	0	seq
.....uacGucaauguuauucgguuugu.....	2	1	seq
.....uacuucaauguuAacgguuugu.....	3	1	seq
.....uacuuUaauguuauucgguuugu.....	4	1	seq
.....uacuucaauguuauucAguuuugu.....	7	1	seq
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.....uacuucaauguuauucgguCu.....	67	1	seq
.....uacuucaGuuuauucgguuugu.....	29	1	seq
.....uacuucaCuuuauucgguuugu.....	2	1	seq
.....uacuucaauguuauucgguuugG.....	610	1	seq
.....Cacuucaauguuauucgguuugu.....	99	1	seq
.....uacuucaauguuauucgguuGgu.....	6	1	seq
.....uacuucaauguuauucUguuuugu.....	1	1	seq
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.....uacuucaauguuauucggAu.....	3	1	seq
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.....uacuuCauguuauucgguuugu.....	1	1	seq
.....uacuucaauguuauucgguuugC.....	1990	1	seq
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.....uacuuAaauguuauucgguuugu.....	2	1	seq
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.....uacuucaauguuauucgguuugAu.....	3	1	seq
.....Aacuucaauguuauucgguuugu.....	18	1	seq
.....uacuucaauguuauucgguuugCu.....	4	1	seq
.....uacuucaGuuuauucgguuugu.....	3	1	seq
.....uGcuucaauguuauucgguuugu.....	2	1	seq
.....uacuucaauguuauucUguuuugu.....	1	1	seq
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.....uacuuCgauguuauucgguuugu.....	1	1	seq
.....uacuucaauguuauucgguuugu.....	497	0	seq
.....Cacuucaauguuauucgguuugu.....	5	1	seq
.....uacuucaauguuauucgguuuguA.....	56	1	seq
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.....uacuucaauguuauucgguuuguG.....	13	1	seq
.....uacuucaauguuauucgguuuguC.....	108	1	seq
.....uacuucaauguuauucgguuuguuu.....	19	0	seq
.....uacuuCgauguuauucgguuuguuu.....	1	1	seq
.....uacuucaauguuauucgguuuguAu.....	5	1	seq
.....Cacuucaauguuauucgguuuguuu.....	1	1	seq
.....uacuucaauguuauucgguuuguuA.....	34	1	seq
.....uacuucaauguuauucgguuuguuC.....	5	1	seq
.....uacuucaauguuauucgguuuguuuU.....	2	1	seq
.....uacuucaauguuauucgguuuguuAua.....	1	1	seq
.....uacuucaauguuauucgguuuguuuua.....	2	0	seq

Star

[illegible]