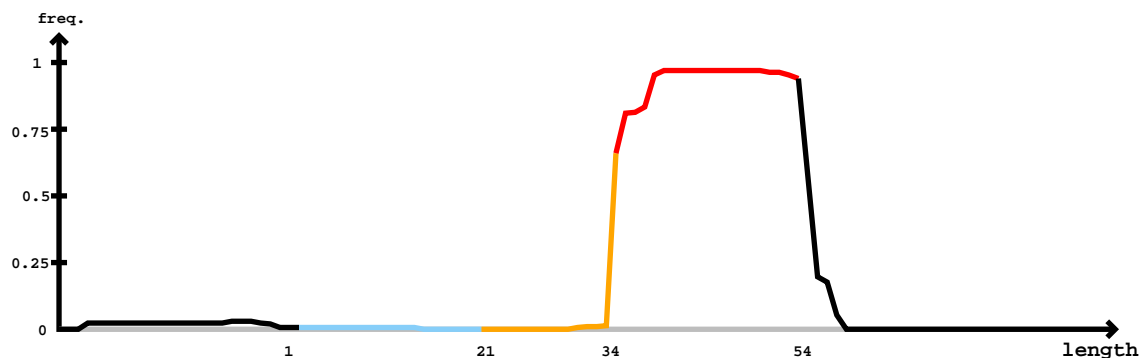


The diagram illustrates a segment of a double-stranded DNA molecule. The top strand runs from left to right, starting at its 5' end (labeled '5') and ending at its 3' end (labeled '3'). Its sequence of bases is A-G-U-G-U-U-C-U-G-U-C. The bottom strand runs from right to left, starting at its 3' end (labeled '3') and ending at its 5' end (labeled '5'). Its sequence of bases is U-C-A-C-A-A-G-A-C-G. Complementary base pairs are connected by vertical lines: A with U, G with C, U with A, G with C, U with A, U with A, C with G, U with A, G with C, and C with G.



Mature

5' -	-3'	exp	
guggugaacaaauaaagacaauaggaguguuucugucgaaacuaucgggucugauaguuuccucgacagaaacacucuaauuguuaaaaauagugcccguccgaggaaaaau	reads	mm	sample
.....((((((((((((((((((((..(((((.....)))))).))))).....((((.....)).....	2	0	s16
.....uuccucgacagaaaacacuc.....	1	0	s16
.....uuccucgacagaaaacacucu.....	2	0	s16
.....ucgacagaaaacacucuauug.....			
.....uuccucgacagaaaacacucu.....	7	0	s08
.....uuccucgacagaaaacacucuauu.....	1	0	s08
.....cucgacagaaaacacucuauu.....	1	0	s08
.....ucgacagaaaacacucuau.....	1	0	s08
.....uuccucgacagaaaacacuc.....	1	0	s09
.....uuccucgacagaaaacacucu.....	1	0	s09
.....uuccucgacagaaaacacucA.....	1	1	s09
.....uuccucgacAaaacacucu.....	1	1	s09
.....uuccucgacagaaaacacucu.....	6	0	s07
.....uuccucgacagaaaacacucGu.....	1	1	s07
.....uuccucgacagaaaacacucA.....	7	1	s07
.....cucgacagaaaacacucuauu.....	1	0	s07
.....ucgacagaaaacacucuauu.....	2	0	s07
.....ucgacagaaaacacucuauC.....	1	1	s07
.....ucgacagaaaacacucuauGg.....	1	1	s07
.....cgacagaaaacacucuauu.....	1	0	s07
.....uuccucgacagaaaacacucu.....	3	0	s06
.....uccucgacagaaaacacucu.....	1	0	s06
.....ucgacagaaaacacucuauu.....	1	0	s06
.....uuccucgacagaaaacacucu.....	9	0	s03
.....ucgacagaaaacacucuauu.....	1	0	s03
.....uccucgacagaaaacacucu.....	1	0	s11
.uggugaacaaauaaagacaa.....	1	0	s02
.uggugaacaaauaaagacUau.....	3	1	s02

Star

Mature

guggugaacaauaaagacaauggaguguuucugucgaaacuau	aucggucugauaguuuccucgacagaaacacucuuuuguuaaaauagugcccguccgaggaaaaau			
.....auaguuccucgacagaaaca	.....	2	0	s02
.....guuccucgacagaaacacucuauc	.....	1	1	s02
.....uuccucgacagaaacacucu	.....	49	0	s02
.....uuccucgacagaaGcacucu	.....	1	1	s02
.....uuccucgacagaaacacugu	.....	2	1	s02
.....uuccucgacagaaacacucA	.....	9	1	s02
.....uuccucgacagaaacacucG	.....	1	1	s02
.....uuccucgacAaaacacucu	.....	1	1	s02
.....uuccucgacagaaacacCcu	.....	1	1	s02
.....uuccucgacagaaacacucGa	.....	1	1	s02
.....uuccucgacagaaacacucua	.....	1	0	s02
.....uuccucgacagaaacacucuaucA	.....	1	1	s02
.....uuccucgacagaaacacucuauc	.....	1	0	s02
.....uccucgacagaaGcacucu	.....	1	1	s02
.....uccucgacagaaacacucA	.....	2	1	s02
.....uccucgacagaaacacucu	.....	16	0	s02
.....uccucgacagaaacacucua	.....	1	0	s02
.....uccucgacagaaacacucuauc	.....	2	0	s02
.....uccucgacagaaacacucuauc	.....	1	0	s02
.....cucgacagaaacacucuauc	.....	3	0	s02
.....ucgacagaaacacucuauc	.....	3	0	s02
.....ucgacagaaacacucuaucAg	.....	2	1	s02
.....ucgacagaaacacucuaucg	.....	1	0	s02
.....cgacagaaacacucuauc	.....	1	0	s02
.....uuccucgacagaaacacucu	.....	1	0	s05
.....ucgacagaaacacucuaucU	.....	1	1	s05
.....uccucgacagaaacacucA	.....	2	1	s18
uggGgaacaauaaagaca	.....	1	1	s19
acaGuggaguguuucugucu	.....	2	1	s19
.....uuccucgacAaaacacucu	.....	1	1	s19
.....uuccucgacagaaacacucu	.....	11	0	s19
.....uuccucgacagaaacacucA	.....	3	1	s19
.....uccucgacagaaacacucu	.....	2	0	s19
.....ccucgacagaaacacucuauc	.....	1	0	s19
.....ucgacagaaacacucuauc	.....	1	0	s19
.....ucgacagaaacacucuaucg	.....	2	0	s19
.....uuccucgacagaaacacucA	.....	1	1	s14
.....uuccucgacagaaacacucu	.....	2	0	s14
guggugaacaauaaagaca	.....	1	0	s12
.....uaguuccucgacagaaacacu	.....	1	0	s12
.....uuccucgacagaaacacu	.....	2	0	s12
.....uuccucgacagaaacacuc	.....	1	0	s12
.....uuccucgacagaaacacuUu	.....	1	1	s12
.....uuccucgacagaaacacucA	.....	1	1	s12
.....uuccucgacagaaacGcucu	.....	3	1	s12
.....uuccucgacagaaacacucu	.....	36	0	s12
uggGgacagaaGcacucu	.....	1	1	s12
.....uuccucgacagaaacacucua	.....	1	0	s12
.....uuccucgacagaaacacucuauc	.....	1	0	s12
.....uccucgacagaaacacucu	.....	3	0	s12
.....cucgacagaaacacucuauc	.....	1	0	s12
.....ucgacagaaacacucuauc	.....	8	0	s12
.....ucgacagaaacacucuaucg	.....	1	0	s12
.....cgacagaaacacucuaucg	.....	2	0	s12
.....uuccucgacagaaacacucA	.....	1	1	s13
.....uuccucgacagaaacacucu	.....	2	0	s13
.....uuccucgacagaaacacucua	.....	1	0	s13
.....uuccucgacagaaacacucuauc	.....	1	1	s13
.....uccucgacagaaacacucu	.....	5	0	s13
.....uccucgacagaaacacucuauc	.....	1	0	s13
.....ucgacagaaacacucuauc	.....	1	1	s13
.....ucgacagaaacacucuauc	.....	1	0	s13
.....ucgacagaaacacucuaucg	.....	4	0	s13
guggugaacaauaaagacaau	.....	1	0	s01

Star

Mature

guggugaacaauaaagacaauggaguguuucugucucgaaacuau	cgguucugauag	uuccucgacagaaacacucu	auuguuaaaauagugcccguccgagggaaaaau			
.....	uuccucgacagaaacacucu.....	10	0	s01		
.....	uccucgacagaaacacucu.....	6	0	s01		
.....	ucgacagaaacacucuauu.....	1	0	s01		
.....	cgacagaaacacucuauu.....	1	0	s01		
.....	uuccucgacagaaacacucua.....	1	0	s17		
.....	uuccucgacagaaacacucu.....	3	0	s10		
.....	uccucgacagaaacacucuau.....	1	0	s10		
.....	ucgacagaaacacucuauu.....	1	0	s10		