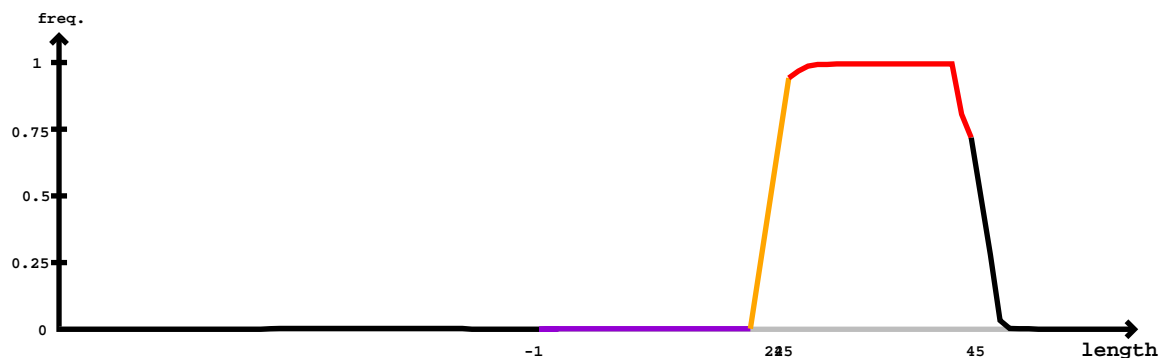


Diagram illustrating a DNA double helix structure. The top strand is labeled 5' and the bottom strand is labeled 3'. The base pairing is shown as follows:

Top Strand (5' to 3')	Bottom Strand (3' to 5')
C	A
G	C
U	G
U	C
G	A
C	A
A	C
G	G
A	U
C	C
G	U
A	U
A	G
A	U
A	U
A	U
C	G



5' -	3'	obs	
		exp	
uuuuc <u>aa</u> uagauuu <u>cc</u> gaagacu <u>acca</u> aggauu <u>cccc</u> cagauagccugcg <u>uugcagacg</u> <u>aa</u> <u>aaaa</u> <u>cccc</u> ggguuuuu <u>guugcugcugc</u> <u>aa</u> <u>cgc</u> aggcuauu <u>cu</u> caagacu			
uuuuc <u>aa</u> uagauuu <u>cc</u> gaagacu <u>acca</u> aggauu <u>cccc</u> cagauagccug <u>gguugcagacg</u> <u>aa</u> <u>aaaa</u> <u>cc</u> cgguguuuu <u>guugcugcugc</u> <u>aa</u> <u>cgc</u> aggcuauu <u>cu</u> caagacu			
.....(((.(.....)).)).....((((((((((((((((((((((((((((((((.....)))))))))))))))))))))))).....	reads	mm	sample
.....uuuuguucgucugcaacgC.....	1	1	s16
.....uuuuguucgucugcaacgca.....	1	0	s16
.....guuuuguucgucugcaacgcagg.....	2	0	s06
.....uuuuguucgucugcaacA.....	1	1	s06
.....uuuuguucgucugcaacU.....	10	1	s06
.....uuuuguucgucugcaacg.....	2	0	s06
.....uuuuguucgucugcaacgc.....	6	0	s06
.....uuuuguucgucugcaacgcc.....	1	1	s06
.....uuuuguucgucugcaacgAa.....	1	1	s06
.....uuuuguucgucugcaacgcU.....	1	1	s06
.....uuuuguucgucuaAaacgcA.....	1	1	s06
.....uuuuguucgucugcaacgcA.....	13	0	s06
.....uuuugCucgucugcaacgcA.....	1	1	s06
.....uuuuguucgucugcaacgcagg.....	30	0	s06
.....uuuuguucgucugcaCgcagg.....	1	1	s06
.....uuuuguucgucugcaacgcagA.....	4	1	s06
.....uuuuguucgucugcaacgcagU.....	3	1	s06
.....uuuuguucgucugcaacgcaggA.....	7	1	s06
.....uuguucgucugUaacgcagg.....	1	1	s06
.....uguucgucugcaacgcagA.....	3	1	s06
.....uguucgucugUaacgcagg.....	2	1	s06
.....uuuuguucgucugcaacU.....	1	1	s03
.....uuuuguucgucugcaacgcU.....	4	1	s03
.....uuuuguucgucugcaacgcA.....	7	0	s03
.....uuuuguucgucugcaacgcagU.....	2	1	s03
.....uuuuguucgucugcaacgcaggA.....	1	1	s03
.....uuuuguucgucugcaacgcA.....	2	0	s03
.....uuuuguucgucugcaacgc.....	2	0	s08
.....uuuuguucgucugcaacgcA.....	2	0	s08
.....uuguucgucugUaacgcagg.....	1	1	s08

## Star

## Mature

uuuucuuuaguuuuccgaagacuaccaaggauucccccagauagccugcguugcagacgaauaaaaccccgguuuuugucgucugcaacgcaaggcuauucuaagacu

.....acuaAcaaggauucccccaga.....	1	1	s04
.....cuaAcaaggauucccccaga.....	1	1	s04
.....uuuugucgucugcaacU.....	1	1	s04
.....uuuugucgucugcaacgc.....	1	0	s04
.....uuuugucgucugcaacgca.....	1	0	s04
.....uuuugucgucugcaacgcagg.....	1	0	s04
.....uuuugucgucugcaacgcaggA.....	2	1	s04
.....uugcagacgaauaaaaccccg.....	1	0	s09
.....guuuuugucgucugcaacU.....	1	1	s09
.....uuuugucgucugcaacU.....	22	1	s09
.....uuuugucgucugcaacA.....	4	1	s09
.....uuuugucgucugcaacgcU.....	1	1	s09
.....uuuugucgucugcaacgca.....	2	0	s09
.....uguucgucugcaacgcagg.....	1	0	s09
.....uuuugucgucugcaacA.....	4	1	s07
.....uuuugucgucugcaacg.....	4	0	s07
.....uuuugucgucugcaacU.....	11	1	s07
.....uuuugucgucugcaacUc.....	1	1	s07
.....uuuugucgucugcaacgG.....	1	1	s07
.....uuuugCucgucugcaacgc.....	1	1	s07
.....uuuugucgucugcaacgc.....	10	0	s07
.....uuuugucgucugcaacgca.....	28	0	s07
.....uuuugucgucugcaacgcU.....	1	1	s07
.....uuuugucgucugcaacgcaU.....	2	1	s07
.....uuuugucgucugcaacgcaggA.....	3	1	s07
.....uuuugucgucugcaacgcaggU.....	1	1	s07
.....uuuugucgucugcaacgcagg.....	22	0	s07
.....uuuugucgucugcaacgca.....	1	0	s07
.....uguucgucugcaacgca.....	4	0	s07
.....uguucgucugcaacgcaggU.....	1	1	s07
.....uguucgucugcaacgcaggA.....	2	1	s07
.....uugcagacgaauaaaaccccggu.....	1	1	s05
.....uuuugucgucugcaacg.....	1	0	s05
.....uuuugucgucugcaacg.....	3	0	s18
.....uuuugucgucugcaacgA.....	1	1	s18
.....uuuugucgucugcaacgc.....	2	0	s18
.....uuuugucgucugcaacgca.....	3	0	s18
.....uuuugucgucugcaacgcagg.....	1	0	s18
.....uuuugucgucugcaacgcagg.....	1	0	s18
.....uuuugucgucugcaacgcaggA.....	2	1	s18
.....uuuugucgucugcaacgca.....	1	0	s18
.....uuuugucgucugcaacgca.....	1	0	s11
.....guuuuugucgucugcaacA.....	4	1	s02
.....uuuugucgucugcaacA.....	8	1	s02
.....uuuugucgucugcaacg.....	10	0	s02
.....uuuugucgucugcaacU.....	17	1	s02
.....uuuugucgucugcaacgc.....	29	0	s02
.....uuuugucgucugcaacgcU.....	12	1	s02
.....uuuugucgucugGaacgca.....	1	1	s02
.....uuuugucgucugcaacAca.....	61	1	s02
.....uuuugucgucugcaacgGa.....	3	1	s02
.....uuuugucgucugcaacgca.....	144	0	s02
.....uuuugucgucugUaacgca.....	3	1	s02
.....uuuugucgucugcaacgcaU.....	6	1	s02
.....uuuugucgucugcaacgcaA.....	1	1	s02
.....uuuugucgucugcaacgcagg.....	5	0	s02
.....uuuugucgucugcaacgcagg.....	118	0	s02
.....uuuugucgucugcaacgcaggA.....	13	1	s02
.....uuuugucgucugcaacgcaggU.....	1	1	s02
.....uuuugucgucugcaacgcaggA.....	1	1	s02
.....uuuugucgucugcaacgcaggA.....	13	1	s02
.....uuuugucgucugcaacgc.....	1	0	s02
.....uuuugucgucugcaacgcC.....	2	1	s02

# Star Mature

auuucaauagauuuccgaagacuaccaaggauuccccagauagccugcguugcagacgaauaaaacccggguuuuugucgucugcaacgcaggcuauucuaagacu

uuuugucgucugcaacgca.	3	0	s02
uuuugucgucugcaacgcU.	1	1	s02
uuuugucgucugcaacgcag.	1	0	s02
uuuugucgucugcaacgcaU.	1	1	s02
uuuugucgucugcaacgcagg.	1	0	s02
uuuugucgucugcaacgcA.	2	1	s02
uuuugucgucugcaacgcagg.	2	0	s02
uuuugucgucugcaacUcaggcuau.	2	1	s02
guuuuugucgucugcaacg.	1	0	s01
uuuuuugucgucugcaacU.	5	1	s01
uuuuuugucgucugcaacgc.	4	0	s01
uuuugCucgucugcaacgca.	1	1	s01
uuuuuugucgucugcaacgcU.	3	1	s01
uuuuuugucgucugUaacgca.	1	1	s01
uuuuuugucgucugcaacgca.	8	0	s01
uuuuuugucgucugcaacgcagg.	1	0	s01
uuuuuugucgucugUaacgca.	2	1	s01
uuuuuugucgucugcaacgcaggU.	1	1	s01
uuuuuugucgucugcaacg.	1	0	s17
uuuuuugucgucugcaacgc.	1	0	s17
uuuuuugucgucugcaacgcU.	1	1	s17
uuuuuugucgucugUaacgc.	1	1	s17
guuuuugucgucugcaacgca.	1	0	s10
guuuuugucgucugcaacgcU.	4	1	s10
uuuuuugucgucugcaacA.	3	1	s10
uuuuuugucgucugcaacg.	5	0	s10
uuuuuugucgucugcaacU.	15	1	s10
uuuuuugucgucugcaacgA.	1	1	s10
uuuuuugucgucugcaacUc.	1	1	s10
uuuuuugucgucugcaacgc.	8	0	s10
uuuuuugucgucugcaacgcC.	1	1	s10
uuuuuugucgucugcaacgcU.	10	1	s10
uuuuuugucgucugcaacgca.	13	0	s10
uuuuuugucgucugcaacgcaC.	1	1	s10
uuuuuugucgucugcaacgcagg.	1	0	s10
uuuuuugucgucugcaacgc.	1	0	s10
uuuuuugucgucugcaacgcagg.	2	0	s10
guuuuugucgucugcaacg.	1	0	s19
guuuuugucgucugcaacA.	2	1	s19
guuuuugucgucugcaacgca.	1	0	s19
uuuuuugucgucugcaacg.	3	0	s19
uuuuuugucgucugcaacU.	11	1	s19
uuuuuugucgucugcaacA.	5	1	s19
uuuuuugucgucugcaacUc.	1	1	s19
uuuuuugucgucugcaacAc.	1	1	s19
uuuuuugucgucugcaacgc.	2	0	s19
uuuuuugucgucugcaacgcGa.	4	1	s19
uuuuuugucgucugcaacgca.	21	0	s19
uuuuuugucgucugcaacAca.	3	1	s19
uuuuuugucgucugcaacgcagg.	6	0	s19
uuuuuugucgucugcaacgcaggA.	3	1	s19
uuuuuugucgucugcaacgc.	3	0	s19
guuuuugucgucugcaacgca.	2	0	s14
uuuuuugucgucugcaacg.	2	0	s14
uuuuuugucgucugcaacgc.	1	0	s14
uuuuuugucgucugcaacgca.	3	0	s14
uuuuuugucgucugcaacgcaggA.	1	1	s14
uuuuuugucgucugcaacgcagg.	6	0	s14
uuuuuugucgucugcaacgca.	2	0	s14
uuuuuugucgucugcaacA.	3	1	s12
uuuuuugucgucugcaacU.	15	1	s12
uuuuuugucgucugcaacg.	3	0	s12
uuuuuugucgucugcaacgcG.	2	1	s12
uuuuuugucgucugcaacgc.	3	0	s12

Star

Mature

auuucaauagauuuccgaagacuaccaaggauucccccagauagccugcguugcagacgaauaaaaccccgguuuuuuguucgucugcaaacgcaaggcuauucucaagacu			
.....uuuuguucgucugcaaacgca.....	7	0	s12
.....uuuuguucgucugUaacgca.....	1	1	s12
.....uuuuguucgucugcaaacgcU.....	4	1	s12
.....uuuuguucgucugcaaacgcagU.....	2	1	s12
.....uuuuguucgucugcaaacgcaggcu.....	1	0	s12
.....uuguucgucugcaaacgca.....	2	0	s12
.....acuaAcaaggauucccccaga.....	1	1	s13
.....guuuuguucgucugcaaacA.....	3	1	s13
.....uuuuguucgucugcaaacgca.....	1	0	s13
.....uuguucgucugUaacgcagg.....	1	1	s13