

The diagram illustrates a section of a DNA molecule. Two sugar-phosphate backbones are shown as wavy lines, oriented antiparallelly. The left strand runs from 5' at the top to 3' at the bottom, while the right strand runs from 3' at the top to 5' at the bottom. Nitrogenous bases are represented by colored circles: red for Adenine (A), blue for Thymine (T), green for Guanine (G), and orange for Cytosine (C). The bases are connected to their respective sugars by vertical lines representing hydrogen bonds. The sequence of bases on the left strand (top to bottom) is U-A-U-C-A-G-U-C-U-C-A-G-U-U-C-U-G. The sequence of bases on the right strand (top to bottom) is A-T-A-G-C-G-C-G-A-T-G-C-G-G-A. The pairs (U-A, A-T, U-A, C-G, A-T, G-C, U-C, C-G, A-T, G-C, U-U, C-G, U-G, A-T, G-C, G-G, A-T) are connected by horizontal lines.



Mature

[illegible]

Star

Mature

gagcaugauagcgauaauuaucaaggucucaguuucugucaucugccgaagccgaaggcugagggcagguaacagaaacugagggccuugauaauuauucgcuaucaugcg

.....acagaaacugagggccuuga.....	2	0	s02
.....Cgaaacugagggccuugauau.....	1	1	s02
.....gaaacugagggccuugaua.....	6	0	s02
.....gaaacugagggccuugCuaa.....	1	1	s02
.....gaaacugagggccuugauaG.....	1	1	s02
.....gaaacugagggccuugGuaa.....	2	1	s02
.....gaaacugagggccuugauaU.....	7	1	s02
.....gaaacugagggccuugauaa.....	26	0	s02
.....gaaacugagggccuugauaaA.....	1	1	s02
.....gGaacugagggccuugauau.....	1	1	s02
.....gaaacugagggccuugauau.....	56	0	s02
.....gaaacugagggccuugauaaC.....	7	1	s02
.....gaaacugagggccuugauau.....	1	1	s02
.....gaaacugagggccuugauGau.....	1	1	s02
.....gaaacugagggccuugauaGu.....	2	1	s02
.....gaaacugagggccuugauaGuu.....	1	1	s02
.....gaaacugagggccuugauaauC.....	1	1	s02
.....gaaacugagggccuugauaaau.....	5	0	s02
.....gaaacugagggccuugaGauu.....	1	1	s02
.....gaGacugagggccuugauaaau.....	1	1	s02
.....gaaacugagggccuugauaaA.....	4	1	s02
.....gaaacugagggccuugauaaauaucg.....	1	0	s02
.....aGacugagggccuugauaaau.....	1	1	s02
.....aacugagggccuugauau.....	1	0	s02
.....aacugagggccuugauaaau.....	1	0	s02
.....aacugagggccuugauaGuu.....	1	1	s02
.....ugagggccuugauaaauaucg.....	2	0	s02
.....auaaauaucgcuaucaugcg.....	1	0	s02
.....gaaacugagggccuugauau.....	1	0	s18
.....uuaucaaUgucucaguuucu.....	1	1	s05
.....uuaucaaggucucaguuucu.....	1	0	s05
.....uCaucaaggucucaguuucug.....	1	1	s05
.....uuaucaaggucucaguuucug.....	2	0	s05
.....ucaaggucucaguuucug.....	2	0	s05
.....gaaacugagggccuugaua.....	1	0	s05
.....gaaacugagggccuugauaa.....	1	0	s05
.....gaaacugagggccuugauaa.....	1	0	s05
.....gaaacugagggccuugauaaau.....	2	0	s05
.....aaacugagggccuugauaaau.....	1	0	s05
.....aacugagggccuugauau.....	1	0	s05
.....Cgaaacugagggccuugauaa.....	3	1	s13
.....gaaacugagggccuugauaa.....	10	0	s13
.....gaaacugagggccuugauaG.....	2	1	s13
.....gaaacugagggccuugauaaA.....	1	1	s13
.....gaaacugagggccuugauaa.....	6	0	s13
.....gaGacugagggccuugauaa.....	1	1	s13
.....gaaacugagggccuugauaaA.....	2	1	s13
.....gaaacugagggccuugauaaau.....	1	0	s13
.....aaacugagggccuugauaa.....	2	0	s13
.....aacugagggccuugauaaU.....	1	1	s13
.....gaaacugagggccuugaGa.....	1	1	s12
.....gaaacugagggccuugaua.....	2	0	s12
.....gaaacugagggccuugauaU.....	2	1	s12
.....gaaacugagggccuugauaa.....	14	0	s12
.....gaaacugagggccuugauaUu.....	1	1	s12
.....gaaacugagggccuugauaa.....	18	0	s12
.....gaGacugagggccuugauaaau.....	4	1	s12
.....gaaacugagggccuugauaaauaucgcuGuc.....	2	1	s12
.....gaaacugagggccuugauaa.....	1	0	s19
.....acugagggccuugauaaU.....	1	1	s19
.....uuaucaaggucucaguuucug.....	2	0	s10
.....uuaucaaggucucaguuucu.....	1	0	s10
.....uuaucaaggucucaguuucug.....	1	0	s10
.....gaaacugagggccuugauaU.....	1	1	s10

Star

Mature

gagcaugauagcgauaaauucaaggucucaguuucugucaucugccgaagccgaaggcugaggcagguaacagaaacugaggccuugauaaauaucgcuaucaugcg			
.....ugaggccuugauaGuuaucg.....	1	1	s10
.....gaaacugaggccuugaua.....	1	0	s17
.....gaaacugaggccuugauaa.....	3	0	s17
.....gaaacugaggccuugauaa.....	3	0	s17
.....gaaacugaggcUuugauaaauaucgc.....	1	1	s17
.....ugaggccuugauaaauaucg.....	1	0	s17
.....gaaacugaggccuugauaa.....	1	0	s01
.....gaaacugaggccuugauaa.....	13	0	s01