

The diagram illustrates a segment of a DNA double helix. The top strand is oriented 5' to 3' from left to right and contains the sequence: A-G-U-U-C-U-C-A-G-C-U-C-G-A-U-A-U-A-G-C-G. The bottom strand is oriented 3' to 5' from left to right and contains the complementary sequence: U-C-A-A-G-C-A-G-U-A-U-A-U-G-C-U-U-U-U-U-U-U-U-U-U-U-U. Base pairs are shown as horizontal rungs connecting the two strands: A-T, G-C, U-A, U-A, C-G, C-G, A-T, A-T, A-T, A-T, A-T, G-C, C-G, and G-C.

[illegible]

Star

Mature

auuuuuuuuucgaagaguucgucgagcuuauagcgaaaaaaauacgcgggguuuuuuuuugcuauaagcucgacgaacucucgagaaaaaaauucacuucaagcu			
.....uaagcucgacgaacucuu.....	4	0	s19
.....uaagcucgacgaacucuu.....	1	0	s19
.....uaagcucgacgaacucucg.....	4	0	s19
.....cuauaagcucgacgaacucu.....	1	0	s10
.....auaagcucgacgaacucA.....	1	1	s10
.....agcucgacgaacucuuca.....	3	0	s10
.....cuauaagcucgacgaacucu.....	1	0	s17
.....cuGuaagcucgacgaacucu.....	1	1	s17
.....cCauaagcucgacgaacucu.....	1	1	s17
.....uauaagcucgacgaacucu.....	1	0	s17
.....uauaagcucgacgaacucC.....	2	1	s17
.....uauaagcucgacgaacucA.....	1	1	s17
.....uaagcucgacgaacucuu.....	1	0	s17
.....uaagcucgacgaacucuu.....	1	0	s01
.....cuauaCgcucgacgaacucu.....	1	1	s11
.....gaagaguucgucgagcuua.....	1	0	s02
.....agaguucgucgagcuuauagcU.....	1	1	s02
.....aguucgucgagcuuauagcA.....	1	1	s02
.....aguucgucgagcuuauagcU.....	1	1	s02
.....aguucgucgagcuuauagcg.....	4	0	s02
.....cuGuaagcucgacgaacu.....	2	1	s02
.....cuauaagcucgacgaacA.....	1	1	s02
.....cuauaagcucgacgaacucC.....	2	1	s02
.....cuauaGgcucgacgaacucu.....	4	1	s02
.....cuauaagcucgacgaacucA.....	4	1	s02
.....cuauaagcucgacgaGcucu.....	6	1	s02
.....cuauaagcucgacgaacucu.....	10	0	s02
.....cuauaagcucgacgaacuAu.....	2	1	s02
.....cuauaagcucgacgaacucAu.....	5	1	s02
.....cuauaagcucgacgaacucuuU.....	1	1	s02
.....uauaagcucgacgaacucu.....	3	0	s02
.....uGuaagcucgacgaacucu.....	4	1	s02
.....uauaagcucgacgaacucC.....	1	1	s02
.....uauaagcucgacgaacucA.....	1	1	s02
.....auaagcucgacgaacucuu.....	1	0	s02
.....uaagcucgacgaGcucuucg.....	1	1	s02
.....uaagcucgacgaacucuu.....	17	0	s02
.....auaagcucgacgaacucAu.....	1	1	s05
.....uaagcucgacgaacucuu.....	1	0	s05
.....uucgaagaguucgucgagcuuauagcga.....	1	0	s07
.....cuauaGgcucgacgaacu.....	3	1	s07
.....cuauaagcucgacgaacu.....	1	0	s07
.....cuauaagcucgacgaacA.....	2	1	s07
.....cuauaagcucgacgaacuA.....	1	1	s07
.....cuauaagcucgacgaacucu.....	28	0	s07
.....cuauaGgcucgacgaacucu.....	4	1	s07
.....cuauaagcucgacgaacucC.....	3	1	s07
.....cuauaagcucgacgaacuUu.....	1	1	s07
.....cuauaagcucgacgaacucA.....	6	1	s07
.....cuGuaagcucgacgaacucu.....	5	1	s07
.....cuauGagcucgacgaacucu.....	1	1	s07
.....cuauaagcucgacgaacucAu.....	4	1	s07
.....cuauaagcucgacgaacucA.....	2	1	s07
.....uauaagcGgcgacgaacucu.....	1	1	s07
.....uauaGgcucgacgaacucu.....	2	1	s07
.....uauaagcucgacgaacucu.....	9	0	s07
.....auaagcucgacgaacucuuU.....	1	1	s07
.....uaagcucgacgaacucCu.....	1	1	s07
.....uaagcucgacgaacucuu.....	1	0	s07
.....uaagcucgacgaacucuuA.....	2	1	s07
.....cgaGgaguucgucgagcuuau.....	1	1	s08
.....aguucgucgagcuuauagcU.....	1	1	s08

Star

Mature

auuuuuuuucgaag <u>aguucgucgagcuuauagcg</u> aaaaaaaa <u>uacgcggg</u> uaauuuuuuuuu <u>gcuauaagcucgacgaacucu</u> ucgagaaaaaa <u>uuucacuuc</u> aagcu			
.....gcuauaagcucgacgaac <u>U</u>	1	1	s08
.....cuauaagcucgacgaac <u>u</u>	1	0	s08
.....uaagcucgaGgaacuc <u>u</u> cg.....	2	1	s08
.....aGgcucgacgaacuc <u>u</u> cg.....	1	1	s08
.....ucgacgaacuc <u>u</u> cgaga.....	1	0	s08
.....aguucgucgagcuuauag <u>cg</u>	1	0	s15
.....cuauaagcucgacgaac <u>u</u> C.....	1	1	s06
.....uaagcucgacgaac <u>u</u> u.....	3	0	s06
.....uaagcucgacgaac <u>u</u> uc.....	1	0	s06
.....aguucgucgagcuuauag <u>U</u>	1	1	s03
.....agGucgucgagcuuauag <u>cg</u>	2	1	s03
.....cuGuaagcucgacgaac <u>u</u>	3	1	s03
.....cuauaagcucgacgaac <u>u</u> u.....	1	0	s03
.....uauaagcucgacgaG <u>u</u> c <u>u</u>	1	1	s03
.....uauaGgcucgacgaac <u>u</u>	1	1	s03
.....ucgacgaac <u>u</u> uGgaga.....	1	1	s03
.....cuauaagcucgacgaac <u>u</u>	1	0	s16
.....cuauaagcucgacgaac <u>u</u>	1	0	s16
.....uaagcucgacgaac <u>u</u> cg.....	1	0	s16