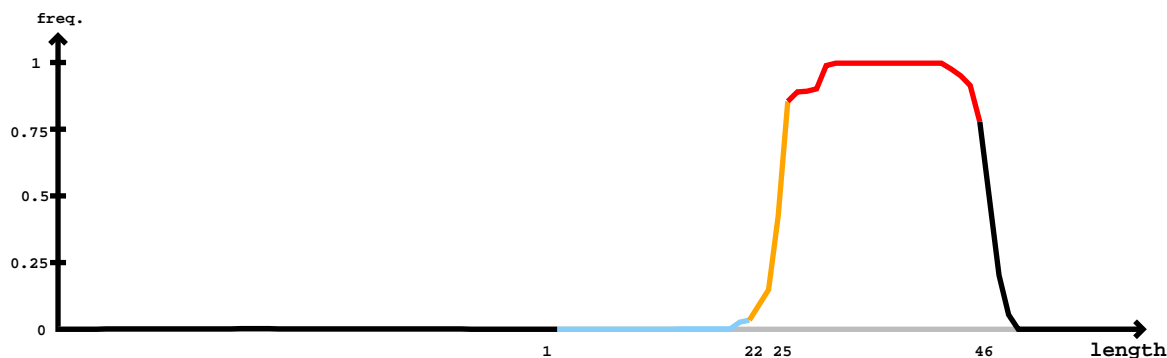


Diagram of a DNA double helix segment. The top strand is labeled 5' on the left and 3' on the right. The bottom strand is labeled 3' on the left and 5' on the right. The base pairing is: A-T, U-A, C-G, C-G, G-C, A-T, G-C, C-G, C-G, C-G, A-T, G-C, A-T, G-G, G-G, A-T, U-A. The bases are color-coded: A (blue), T (red), C (green), G (orange).

[illegible]

Star

Mature

aacacaugagaaaugaaaugauggucgaaccaacucgggaucucgcggaaaaaa <u>uccgagccccagaugggaucgaa</u> ucccaucuggggcucggauuuuuuccgagauccagu			
.....Acccaucuggggcucggauuu.....	34	1	s35
.....ucccaucuggggcucggauuu.....	2	0	s35
.....ucccaucuggggcucggauuu.....	2	0	s35
.....Acccaucuggggcucggauuu.....	26	1	s35
.....ucccaucuggggcucggauuu.....	1	0	s35
.....Acccaucuggggcucggauuu.....	23	1	s35
.....Acccaucuggggcucggauuuuu.....	6	1	s35
.....cccaucuggggcucggauuu.....	2	0	s35
.....cccaucuggggcucggauuu.....	1	0	s35
.....cccaucuggggcucggauuuA.....	1	1	s35
.....cccaucuggggcucggauuu.....	1	0	s35
.....Accaucuggggcucggauuuuu.....	1	1	s35
.....cccaucuggggcucggauuuuu.....	1	0	s35
.....ccaucuggggcucggauuu.....	1	0	s35
.....caucuggggcucggauuu.....	1	0	s35
.....cGucuggggcucggauuu.....	1	1	s35
.....caucuggggcucggauuu.....	1	0	s35
.....aucuggggcucggauuu.....	12	0	s35
.....aucuggggAucggauuu.....	1	1	s35
.....aucuggggcucggauuu.....	12	0	s35
.....aucuggggcucggauuu.....	2	0	s35
.....aucuggggcucggauuu.....	1	1	s35
.....Acuggggcucggauuu.....	2	1	s35
.....Acgaaucccaucuggggcucggau.....	2	1	s23
.....Acgaaucccaucuggggcucggau.....	2	1	s23
.....gaaucccaucuggggcucggau.....	1	0	s23
.....gaaucccaucuggggcucggau.....	1	0	s23
.....aaucuccaucuggggcucgga.....	1	0	s23
.....aaucuccaucuggggcucgga.....	1	0	s23
.....aaucuccaucuggggcucggau.....	2	0	s23
.....aaucuccaucuggggcucggau.....	3	0	s23
.....aaucuccaucuggggcucggau.....	3	0	s23
.....aaucuccGucuggggcucggau.....	1	1	s23
.....aaucuccaucuggggcucggau.....	1	0	s23
.....aaucuccaucuggggcucggau.....	2	1	s23
.....aucccaucuggggcucgg.....	3	0	s23
.....aucccaucuggggcucggau.....	2	0	s23
.....aucccaucuggggcucggau.....	8	0	s23
.....aucccaucuggggcucggaGuu.....	1	1	s23
.....aucccaucuggggcucggauuuA.....	1	1	s23
.....aucccaucuggggcucggauuu.....	5	0	s23
.....aucccaucuggggcucggauuu.....	3	0	s23
.....aucccaucGggggcucggauuu.....	1	1	s23
.....Acccaucuggggcucgga.....	1	1	s23
.....Acccaucuggggcucggau.....	1	1	s23
.....Acccaucuggggcucggau.....	3	1	s23
.....Acccaucuggggcucggau.....	9	1	s23
.....Acccaucuggggcucggauuu.....	13	1	s23
.....ucccaucuggggcucggauuu.....	1	0	s23
.....Acccaucuggggcucggauuu.....	1	1	s23
.....Acccaucuggggcucggauuu.....	2	1	s23
.....cccaucuggggcucggauuu.....	3	0	s23
.....cccaucuggggcucggauuu.....	3	0	s23
.....cccaucuggggcucggCuuuuu.....	1	1	s23
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.....ccaucuggggcucggauuu.....	1	0	s23
.....caucuggggcucggauuu.....	1	0	s23
.....aucuggggcucggauuu.....	10	0	s23
.....aucuggggcucggauuu.....	6	0	s23
.....ucuggggcucggauuu.....	1	0	s23
.....Acuggggcucggauuu.....	1	1	s23
.....Acgaaucccaucuggggcucgga.....	2	1	s52
.....Acgaaucccaucuggggcucggau.....	1	1	s52
.....Acgaaucccaucuggggcucggau.....	1	1	s52
.....cgaaucccaucuggggcucgga.....	1	0	s52
.....cgaaucccaucuggggcucggauA.....	1	1	s52
.....cgaaucccaucuggggcucggau.....	1	0	s52
.....cgaaucccaucuggggcucggau.....	1	0	s52

Star

Mature

aacacaugagaaaugaaaugauggucgaaccaacucgggaucucggaaaaaa <u>uccgagccccagaugggauc</u> <u>ga</u> <u>aucccaucuggggcucggauuuuu</u> uuccgagauccagu			
.....gauc <u>cccaucuggggcucggauuuu</u>	1	0	s52
.....aauc <u>cccaucuggggcucgga</u>	1	0	s52
.....aauc <u>cccaucuggggcucggauu</u>	4	0	s52
.....aauc <u>cccaucuggggcucggauA</u>	1	1	s52
.....aauc <u>cccaucuggggcucggauuu</u>	11	0	s52
.....aauc <u>cccaucuggggcucggauuA</u>	1	1	s52
.....aauc <u>cccaucuggggcucggauuuu</u>	3	0	s52
.....aauc <u>cccaucuggggcucggauuuuu</u>	3	0	s52
.....aucc <u>caucuggggcucgg</u>	1	0	s52
.....aucc <u>caucuggggcucggau</u>	1	0	s52
.....aucc <u>caucuggggcucggauu</u>	12	0	s52
.....aucc <u>caucuggggcucggauuu</u>	16	0	s52
.....aucc <u>caucuggggcucggauuA</u>	2	1	s52
.....aucc <u>caucuggggcucggauuuu</u>	19	0	s52
.....aucc <u>caucuggggcucggauAuu</u>	1	1	s52
.....aucc <u>caucuggggcucggauAuuu</u>	1	1	s52
.....aucc <u>caucuggggcucggauuuuu</u>	11	0	s52
.....aucc <u>caucuggggcucggauAuuu</u>	2	1	s52
.....aucc <u>caucuggggcucggauuuuuu</u>	2	0	s52
.....Ac <u>ccaucuggggcucgga</u>	1	1	s52
.....Ac <u>ccaucuggggcucggau</u>	2	1	s52
.....uc <u>ccaucuggggcucggau</u>	1	0	s52
.....uc <u>ccaucuggggcucggauu</u>	1	0	s52
.....Ac <u>ccaucuggggcucggauu</u>	12	1	s52
.....uc <u>ccaucuggggcucggauuu</u>	2	0	s52
.....Ac <u>ccaucuggggcucggauuuu</u>	39	1	s52
.....Ac <u>ccaucuggggcucggauuuuu</u>	18	1	s52
.....uc <u>ccaucuggggcucggauuuu</u>	1	0	s52
.....Ac <u>ccaucuggggcucggauuuuu</u>	7	1	s52
.....uc <u>ccaucuggggcucggauAuuu</u>	1	1	s52
.....Ac <u>ccaucuggggcucggauuuuuu</u>	4	1	s52
.....uc <u>ccaucuggggcucggauAuuuu</u>	1	1	s52
.....cc <u>caucuggggcucggauu</u>	1	0	s52
.....cc <u>caucuggggcucggauuu</u>	2	0	s52
.....cc <u>caucuggggcucggauuuu</u>	1	0	s52
.....Ac <u>caucuggggcucggauuuuuu</u>	1	1	s52
.....cc <u>caucuggggcucggauAuuu</u>	1	1	s52
.....cau <u>cuggggcucggauuu</u>	1	0	s52
.....cau <u>cuggggcucggauuuu</u>	1	0	s52
.....cau <u>cuggggcucggauuuuu</u>	1	0	s52
.....au <u>cuggggcucggauuuu</u>	5	0	s52
.....au <u>cuggggcucggauuuuu</u>	2	0	s52
.....au <u>cuggggcucggauuuuuu</u>	1	0	s52
.....au <u>cuggggcucggauAuuu</u>	1	1	s52
.....au <u>gauggucgaaccaacucgggauc</u>	1	0	s13
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.....aucc <u>caucuggggcucgga</u>	1	0	s13
.....Ac <u>ccaucuggggcucggauuuu</u>	2	1	s13
.....Ac <u>ccaucuggggcucggauuuuu</u>	2	1	s13
.....cc <u>caucuggggcucggauuuu</u>	1	0	s13
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.....Ac <u>gaaucccaucuggggcucggauu</u>	1	1	s60
.....Ac <u>gaaucccaucuggggcucggauuu</u>	1	1	s60
.....c <u>gaaucccaucuggggcucggau</u>	1	0	s60
.....aauc <u>cccaucuggggcucgg</u>	1	0	s60
.....aauc <u>cccaucuggggcucgga</u>	3	0	s60
.....aauc <u>cccaucuggggcucggau</u>	1	0	s60
.....aauc <u>cccaucuggggcucggauu</u>	6	0	s60
.....aauc <u>cccaucuggggcucggauuG</u>	1	1	s60
.....aauc <u>cccaucuggggcucggauuu</u>	9	0	s60
.....aauc <u>ccGucuggggcucggauuu</u>	1	1	s60
.....aauc <u>ccGucuggggcucggauuuu</u>	1	1	s60
.....aauc <u>cccaucuggggcucggauuuu</u>	1	0	s60
.....aucc <u>caucuggggcucgg</u>	2	0	s60
.....aucc <u>caucuggggcucgga</u>	2	0	s60
.....aucc <u>caucuggggcucggau</u>	1	0	s60

Star

Mature

aacacaugagaaaugaaaugauggucgaaccaacugggaucucggaaaaa <u>uuccgagccccagau</u> gggaucga <u>aa</u> u <u>ccccaucuggggcucgg</u> auuuuuuuccgagauccagu			
.....aucccaucuggggcucggauu.....	8	0	s60
.....aucccaucuggggcucggauuu.....	17	0	s60
.....aucccGucuggggcucggauuuu.....	2	1	s60
.....aucccaucuggggcucggauuuu.....	13	0	s60
.....aucccaucuggggcucggauuuuu.....	2	0	s60
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.....Acccaucuggggcucgga.....	1	1	s60
.....Acccaucuggggcucggau.....	2	1	s60
.....Acccaucuggggcucggauu.....	11	1	s60
.....ucccaucuggggcucggauA.....	1	1	s60
.....ucccaucuggggcucggauu.....	1	0	s60
.....ucccaucuggggcucggauuu.....	1	0	s60
.....Acccaucuggggcucggauuu.....	38	1	s60
.....Acccaucuggggcucggauuuu.....	14	1	s60
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.....ucccaucuggggcucggauu.....	1	0	s09
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.....cccaucuggggcucggauuuuu.....	1	0	s09
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.....aucuggggcucggauuuu.....	3	0	s72
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.....ucuggggcucggauuuuu.....	1	0	s72