

The diagram illustrates a segment of a DNA double helix. 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 A-T-G-A-C-G-T-C-A-G-A-A-C-A-C-U. The sequence of bases on the right strand (top to bottom) is T-A-C-G-U-G-A-U-U-G-U-G-G-U-U-U-C-U-A-A.

[illegible]

Star

Mature

aucagaaauguuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaaaga <u>uucaau</u> cuuuuggguguuuc <u>uagacgugaucg</u> cauguuacuaccuauaaacc			
.....uuuggguguuuc <u>uagGcgugaucg</u>	1	1	s03
.....Cuuggguguuuc <u>uagacgugaucg</u>	1	1	s03
.....uuuggguguuuc <u>uagacgugaucA</u>	73	1	s03
.....uuuggg <u>A</u> guuuc <u>uagacgugaucg</u>	1	1	s03
.....uuuggguguuuc <u>uaAacgugaucg</u>	1	1	s03
.....uuuggguguuuc <u>uagacAugaucg</u>	1	1	s03
.....uuuggguguuuc <u>uagacgugaucgA</u>	13	1	s03
.....uuuggguguuuc <u>uagacgugaucgG</u>	1	1	s03
.....uuuggguguuuc <u>uagacgugaucgU</u>	4	1	s03
.....uuuggguguuuc <u>uagacgugaucgC</u>	1	0	s03
.....uuuggguguuuc <u>uagacgugaucgUa</u>	1	1	s03
.....uuggguguuuc <u>uagacguA</u>	2	1	s03
.....uuggguguuuc <u>uagacgugau</u>	1	0	s03
.....uuggguguuuc <u>uagacgugaC</u>	1	1	s03
.....uuggguguuuc <u>uagacgugauc</u>	7	0	s03
.....uuggggu <u>A</u> uuc <u>uagacgugaucg</u>	2	1	s03
.....uuggggC <u>gu</u> uc <u>uagacgugaucg</u>	1	1	s03
.....uuggguguuuc <u>uagacgugaucA</u>	15	1	s03
.....uuggguguuuc <u>uagacgugaucg</u>	7	0	s03
.....uuggguguuuc <u>uagGcgugaucg</u>	1	1	s03
.....uuggguguuuc <u>uagacgugaucgA</u>	1	1	s03
.....uuggguguuuc <u>uagacgugaucgU</u>	1	1	s03
.....ugguguuuc <u>uagacguga</u>	1	0	s03
.....uggguguuuc <u>uagGcgugau</u>	2	1	s03
.....uggguguuuc <u>uagacgugaC</u>	1	1	s03
.....uggguguuuc <u>uagacgugau</u>	4	0	s03
.....uggguguuuc <u>uagacgugauc</u>	1	0	s03
.....uggguguuuc <u>uagacgugauA</u>	3	1	s03
.....uggguguuuc <u>uagacgugaucU</u>	1	1	s03
.....uggguguuuc <u>uagacgugUucg</u>	1	1	s03
.....uggguguuuc <u>uagacgugaucA</u>	24	1	s03
.....uggguguuuc <u>uagacgugaucg</u>	22	0	s03
.....ggguguuuc <u>uagacgugaucg</u>	1	0	s03
.....aaacuauuaguagagcuugcg.....	3	0	s06
.....aaacuauuaguagagcuugcU.....	1	1	s06
.....aacuauuaguagagcuugcg.....	7	0	s06
.....acuauuaguagagcuugcA.....	2	1	s06
.....acuauuaguagagcuugcg.....	4	0	s06
.....cuauuaguagagcuugcg.....	1	0	s06
.....cuauuaguagagcuugcA.....	1	1	s06
.....auuacgucuaagaacacugaa.....	1	0	s06
.....auuacgucuaagaacacugaaagU.....	5	1	s06
.....auuacgucuaagaacacugaaaga.....	11	0	s06
.....Guuacgucuaagaacacugaaagau.....	1	1	s06
.....auuacgucuaagaacacugaaagau.....	3	0	s06
.....auuacgucuaagaacacugaaagauA.....	1	1	s06
.....auuacgucuaagaacacugaaagauu.....	5	0	s06
.....auuacgucuaagaacacugaaagauuU.....	3	1	s06
.....auuacgucuaagaacacugaaagauucauc.....	2	0	s06
.....uacgucuaagaacacugaaagau.....	1	0	s06
.....cuuuggguguuuc <u>uagacgugauc</u>	1	0	s06
.....uuuggguguuuc <u>uagacgA</u>	2	1	s06
.....Cuuggguguuuc <u>uagacgu</u>	1	1	s06
.....uuuggguguuuc <u>uagaUgu</u>	1	1	s06
.....uuuggguguuuc <u>uagacgC</u>	3	1	s06
.....uuuggguguuuc <u>uagacgu</u>	31	0	s06
.....uuuggguguuuc <u>uagacgug</u>	1	0	s06
.....uuuggguguuuc <u>uagacguU</u>	3	1	s06
.....uuuggguguuuc <u>uagacguga</u>	12	0	s06
.....uuuggguguuuc <u>uagacUuga</u>	1	1	s06
.....uuuggguguuuc <u>uagacgugU</u>	2	1	s06
.....uuuggguguuuc <u>uagacgugau</u>	129	0	s06
.....uuuggguguuuc <u>uagacguUau</u>	1	1	s06
.....uuuggguguC <u>uagacgugau</u>	4	1	s06
.....uuuggguguuuc <u>uagacgugGu</u>	2	1	s06
.....uuuggguguuuc <u>uagacAugau</u>	1	1	s06
.....uuGggguguuuc <u>uagacgugau</u>	1	1	s06
.....uuuggguguuuc <u>uagacgugaC</u>	19	1	s06
.....Cuuggguguuuc <u>uagacgugauc</u>	6	1	s06

Star Mature

aucagaaauguuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaagaauucaauuuuugggguguuucagacgugaucgcauguuacuaccuaauaaacc			
.....uuuggguCuucuaagacgugauc.....	2	1	s06
.....uuuggguuguuacagacgugauG.....	1	1	s06
.....uuugggCGuucuaagacgugauc.....	1	1	s06
.....uuCggguuguuacagacgugauc.....	1	1	s06
.....Guuggguuguuacagacgugauc.....	1	1	s06
.....uuuggguuguuacuaAacgugauc.....	1	1	s06
.....uuuggguuguuacagacgugaGc.....	2	1	s06
.....uuuggguuguuacagGcgugauc.....	3	1	s06
.....uuuUggguuguuacagacgugauc.....	1	1	s06
.....uuuggguuguuacagacgugauU.....	43	1	s06
.....uuuggguuguuacagacgugauc.....	1	1	s06
.....uuuggguuguuacagacguAauc.....	1	1	s06
.....uuuggguuguuacagacgugauc.....	591	0	s06
.....uuuggguugCucuagacgugauc.....	3	1	s06
.....uuuggguuguuacGacgugauc.....	3	1	s06
.....uuuggguuguuacagaGgugauc.....	1	1	s06
.....uuuAggguuguuacagacgugauc.....	1	1	s06
.....uuuggguuguuacagaUgugauc.....	1	1	s06
.....uuuggguuguuacagacgugCuc.....	1	1	s06
.....uuugggGguuacagacgugauc.....	1	1	s06
.....uuuggguuguuacagUcgugauc.....	1	1	s06
.....uuuggguuguuacagacgugaCc.....	1	1	s06
.....uuuggguuguuacagacgugauA.....	4	1	s06
.....uuuggguAuuacagacgugauc.....	2	1	s06
.....uuGggguuguuacagacgugauc.....	1	1	s06
.....uuuggguuguuacagacgugGuc.....	2	1	s06
.....uuuggguuguuacagacguCauc.....	1	1	s06
.....uuuggguuguuacagGcgugaucg.....	1	1	s06
.....uuuggCuuguuacagacgugaucg.....	2	1	s06
.....uuuggguuguuacagacgugaucU.....	104	1	s06
.....uuuggguuguuacagacgugaucg.....	1	1	s06
.....uuuggguuguuacagacgCgaucg.....	2	1	s06
.....uuuggguuguuacagacgugaucA.....	128	1	s06
.....uuuggguuguuacagacgugaucC.....	11	1	s06
.....uCuggguuguuacagacgugaucg.....	1	1	s06
.....uuuggguuguuacagacgugauUg.....	1	1	s06
.....Cuuggguuguuacagacgugaucg.....	2	1	s06
.....uuuggguuguuacagacgugaucg.....	1	1	s06
.....uuGggguuguuacagacgugaucg.....	1	1	s06
.....uuuggguuguuacagacgugaucg.....	308	0	s06
.....uuugggGguuacagacgugaucg.....	2	1	s06
.....Auuggguuguuacagacgugaucg.....	1	1	s06
.....uGuuggguuguuacagacgugaucg.....	1	1	s06
.....uuuggguuguuacagacgugaucgA.....	60	1	s06
.....uuuggguuguuacagacgugaucgc.....	3	0	s06
.....uuuggguuguuacagacgugaucgU.....	16	1	s06
.....uuuggguuguuacagacgugaucgG.....	2	1	s06
.....uuuggguuguuacagacgugaucgUa.....	1	1	s06
.....uuggguuguuacagacguga.....	4	0	s06
.....uuggguuguuacagacgugau.....	9	0	s06
.....uuggguuguuacagacgugUu.....	1	1	s06
.....uuggguuguuacagacgugaC.....	5	1	s06
.....Cuuggguuguuacagacgugauc.....	1	1	s06
.....uuggguuguuacagacgugauc.....	61	0	s06
.....uuggguuguuacagacgugauU.....	8	1	s06
.....uuggguuguuacagacgugaGc.....	1	1	s06
.....uuggguuguuacagacgugauA.....	2	1	s06
.....uuggguuguuacagacgAgauc.....	1	1	s06
.....uuggguuguuacagacgCgauc.....	1	1	s06
.....uuggguuguuacagacgugGuc.....	1	1	s06
.....Cuuggguuguuacagacgugaucg.....	2	1	s06
.....uuggguuguuacagacgugaucU.....	22	1	s06
.....uuggguuguuacagacgugaucg.....	22	0	s06
.....uuggguuguuacagacgugaucC.....	6	1	s06
.....uuggguuguuacagacgugaucA.....	12	1	s06
.....uuggguuguuacagacgugaucgU.....	6	1	s06
.....uuggguuguuacagacgugaucgc.....	1	0	s06
.....uuggguuguuacagacgugaucgA.....	17	1	s06
.....uuggguuguuacagacgugaucgAa.....	1	1	s06
.....uggguuguuacagacgugau.....	15	0	s06

Star

Mature

aucagaaauguuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaaaga <u>uucaau</u> cuuuuggguguuuc <u>uagacgugaucg</u> cauguuacuaccuauaaacc			
.....uggguguuuc <u>uagacguga</u> C.....	1	1	s06
.....uggguguuuc <u>uagacguga</u> c.....	54	0	s06
.....uggguguuuc <u>uagacguga</u> U.....	2	1	s06
.....Cggguguuuc <u>uagacguga</u> c.....	1	1	s06
.....ugggugu <u>G</u> <u>uagacguga</u> c.....	1	1	s06
.....uggguguuuc <u>uagacguga</u> A.....	1	1	s06
.....uggguguuuc <u>uagacguga</u> cU.....	19	1	s06
.....uggguguuuc <u>uagacg</u> A <u>gaucg</u>	1	1	s06
.....ugggug <u>G</u> uc <u>uagacguga</u> c.....	1	1	s06
.....uggguguuuc <u>uagacguga</u> cA.....	15	1	s06
.....uggguguuuc <u>uagacguga</u> c <u>g</u>	21	0	s06
.....uggguguuuc <u>uagacguga</u> cC.....	4	1	s06
.....uggguguuuc <u>uagacgugG</u> uc <u>g</u>	3	1	s06
.....uggguguuuc <u>uagacg</u> C <u>gaucg</u>	1	1	s06
.....uggguguuuc <u>uagacgugU</u> uc <u>g</u>	1	1	s06
.....uggguguC <u>uagacguga</u> c <u>g</u>	1	1	s06
.....uggguguuuc <u>uagacguga</u> c <u>gU</u>	3	1	s06
.....ggguguuuc <u>uagacguga</u>	2	0	s06
.....ggguguuuc <u>uagacguga</u> cA.....	1	1	s06
.....uuc <u>uagacguga</u> c <u>gcau</u>	1	0	s06
.....uuc <u>uagacguga</u> c <u>gcauC</u>	2	1	s06
.....uuacgucuaagaacacugaaagU.....	1	1	s15
.....uuacgucuaagaacacugaaagauu.....	1	0	s15
.....uuacgucuaagaacacugaaagauuU.....	1	1	s15
.....Cuuggguguuuc <u>uagacgu</u>	1	1	s15
.....uuuggguguuuc <u>uagacgu</u>	6	0	s15
.....uuuggguguuuc <u>uagacguga</u> C.....	1	1	s15
.....uuuggguguuuc <u>uagacguga</u>	5	0	s15
.....uuuggguguuuc <u>uagacguga</u> U.....	1	1	s15
.....uuuggguguuuc <u>uagacguga</u> c.....	4	0	s15
.....uuuggguguuuc <u>uagacg</u> C <u>gaucg</u>	1	1	s15
.....uuuggguguuuc <u>uagacguga</u> cA.....	11	1	s15
.....uuuggguguuuc <u>uagacguga</u> cU.....	2	1	s15
.....uuuggguguuuc <u>uagacguga</u> c <u>g</u>	29	0	s15
.....uuggguguuuc <u>uagacguga</u> c.....	1	0	s15
.....uugggugCuc <u>uagacguga</u> c <u>g</u>	1	1	s15
.....uuggguguuuc <u>uagacguga</u> c <u>g</u>	8	0	s15
.....uuggguguuuc <u>uagacguga</u> c <u>gA</u>	2	1	s15
.....uggguguuuc <u>uagacguga</u>	5	0	s15
.....uggguguuuc <u>uagacguga</u> c.....	1	0	s15
.....uggguguuuc <u>uagacg</u> C <u>gauc</u>	1	1	s15
.....uggguguuuc <u>uagacguA</u> auc <u>g</u>	1	1	s15
.....uggguguuuc <u>uagacguga</u> c <u>g</u>	8	0	s15
.....uggguguuuc <u>uagacguga</u> cA.....	6	1	s15
.....aaaacuauuaguagagcuugcg.....	1	0	s08
.....acuauuaguagagcuugcg.....	2	0	s08
.....acuauuaguagagcuugcA.....	3	1	s08
.....uuacgucuaagaacacugaa.....	2	0	s08
.....uuacgucuaagaacacugaU.....	1	1	s08
.....uuacgucuaagaacacugaaagU.....	2	1	s08
.....uuacgucuaagaacacugaaaga.....	3	0	s08
.....uuacgucuaagaacacugaaagaC.....	1	1	s08
.....uuacgucuaagaacacugaaagauuU.....	3	1	s08
.....uuacgucuaagaacacugaaagauCc.....	1	1	s08
.....uuacgucuaagaacacugaaagauucaauc.....	3	0	s08
.....uuacgucuaagaacacuga.....	1	0	s08
.....uuacgucuaagaacacugaaagU.....	2	1	s08
.....uuacgucuaagaacacugaaagauA.....	1	1	s08
.....uuuggguguuuc <u>uagacgA</u>	2	1	s08
.....uuuggguguuuc <u>uagacg</u> C.....	5	1	s08
.....uuuggguguuuc <u>uagacgu</u>	12	0	s08
.....uuuggguguuuc <u>uagacgug</u>	1	0	s08
.....uuuggguguuuc <u>uagacgu</u> C.....	3	1	s08
.....uuuggguguuuc <u>uagacguga</u> C.....	2	1	s08
.....uuuggguguuuc <u>uagacguga</u>	15	0	s08
.....uuuggguguuuc <u>uagacguga</u> A.....	1	1	s08
.....Cuuggguguuuc <u>uagacguga</u> c.....	2	1	s08
.....uuuggguguuucG <u>gacguga</u> c.....	2	1	s08

Star Mature

aucagaaauguuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaaaga <u>uucaau</u> cuuuuggguguuuc <u>uagacgugaucg</u> cauguuacuaccuauaaacc			
.....uuuggguuuc <u>uagacgugau</u> U.....	2	1	s08
.....uuuggguuuc <u>uagacgugauc</u>	46	0	s08
.....uuuggguuuc <u>uaAacgugaucg</u>	1	1	s08
.....uuuggguuuc <u>uagacA</u> gugaucg.....	1	1	s08
.....uuuggguuuc <u>uagacgugaucA</u>	29	1	s08
.....uuuggg <u>A</u> guuuc <u>uagacgugaucg</u>	1	1	s08
.....uuuggguuuc <u>uagaA</u> gugaucg.....	1	1	s08
.....uuuggguuuc <u>uagacU</u> gugaucg.....	1	1	s08
.....uuuggguuuc <u>uaCacgugaucg</u>	1	1	s08
.....uuuggguuuc <u>uagacgugaucC</u>	2	1	s08
.....uuuggguuuc <u>uaUacgugaucg</u>	1	1	s08
.....uuuggguuuc <u>uagacgugaucU</u>	14	1	s08
.....uuuggguuuc <u>uagacgugaucg</u>	75	0	s08
.....uuuggguu <u>uuU</u> agacgugaucg.....	1	1	s08
.....uuuggguuuc <u>uagacgugaucgc</u>	2	0	s08
.....uuuggguuuc <u>uagacgugaucgG</u>	2	1	s08
.....uuuggguuuc <u>uagacgugaucgU</u>	11	1	s08
.....uuuggguuuc <u>uagacgugaucgA</u>	14	1	s08
.....uuggguuuc <u>uagacguA</u>	1	1	s08
.....uuggguuuc <u>uagacgugG</u>	1	1	s08
.....uuggguuuc <u>uagacguga</u>	2	0	s08
.....uuggguuuc <u>uagacgugaC</u>	1	1	s08
.....uuggguuuc <u>uagacgugau</u>	1	0	s08
.....uuggguuuc <u>uagacgugaCc</u>	1	1	s08
.....uuggguuuc <u>uagacgugauc</u>	7	0	s08
.....uuggguuuc <u>uagacgugaucg</u>	19	0	s08
.....uuggguuuc <u>uagacgugaucA</u>	3	1	s08
.....uuggguuuc <u>uagacgugaucU</u>	4	1	s08
.....uuggguuuc <u>uagacU</u> gugaucg.....	1	1	s08
.....uuggguuuc <u>uagacgugaucgA</u>	1	1	s08
.....uuggguuuc <u>uagacgugGu</u>	1	1	s08
.....uuggguuuc <u>uagacgugau</u>	3	0	s08
.....uuggguuuc <u>uagacguAau</u>	1	1	s08
.....uuggguuuc <u>uagacgugauc</u>	13	0	s08
.....uuggguuuc <u>uagacU</u> gugaucg.....	1	1	s08
.....uugggu <u>A</u> uuc <u>uagacgugaucg</u>	1	1	s08
..... <u>A</u> ggguuuc <u>uagacgugaucg</u>	1	1	s08
.....uuggguuuc <u>uagacgugaucC</u>	1	1	s08
.....uuggguuuc <u>uagacgugaucU</u>	12	1	s08
.....uuggguuuc <u>uagacgugaucg</u>	27	0	s08
.....uuggguuuc <u>uagacgugaucA</u>	11	1	s08
.....uuggguuuc <u>uagacgugaucAc</u>	1	1	s08
.....uuggguuuc <u>uagacgugaucgc</u>	1	0	s08
.....uuggguuuc <u>uagacgugaucgA</u>	3	1	s08
.....uuggguuuc <u>uagacgugaucgU</u>	1	1	s08
.....u <u>gu</u> uuc <u>uagacgugaucgUau</u>	2	1	s08
.....uuc <u>uagacgugaucgcauU</u>	1	1	s08
.....auuacgucuGgaacacugaaag.....	1	1	s04
.....uuggguuuc <u>uagacgugauA</u>	1	1	s04
.....auuacgucuagaacacugaaaga.....	5	0	s09
.....auuacgucuagaacacugaaagauA.....	4	1	s09
.....uacgucuagaacacugaa.....	1	0	s09
.....uacgucuagaacacugaaagauuca.....	1	0	s09
.....cuuuggguuuc <u>uagacgugauc</u>	1	0	s09
.....uuuggguu <u>uuA</u> agacgu.....	1	1	s09
.....uuuggguuuc <u>uagacgA</u>	3	1	s09
.....uuuggguuuc <u>uagacgu</u>	20	0	s09
.....uuuggguuuc <u>uagacgC</u>	2	1	s09
.....uuuggguuuc <u>uagacgG</u>	1	1	s09
.....uuuggguuuc <u>uagacgug</u>	9	0	s09
.....uuuggguuuc <u>uagacguA</u>	6	1	s09
.....uuuggguuuc <u>uagacgugU</u>	1	1	s09
.....uuuggguuuc <u>uagacgugC</u>	1	1	s09
.....uuuggguuuc <u>uagacguga</u>	6	0	s09
.....uuuggguuuc <u>uagacgugG</u>	3	1	s09
.....uuuggguuuc <u>uagacgugaC</u>	4	1	s09
.....uuugggu <u>A</u> uuc <u>uagacgugau</u>	1	1	s09
.....uuuggguu <u>A</u> cuagacgugau.....	1	1	s09

Star

Mature

aucagaaauguuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaagaauucaauuuuugggguguuucuaagacgugaucgcauguuacuaccuaauaaacc

uuuggguuucuaagacgugau	40	0	s09
uuuggguuucuaagacgugaG	1	1	s09
uuuggguuucuaagacgugauU	5	1	s09
uuuggguuucuaagacgugauA	2	1	s09
uuuggguuucuaagacAugauc	2	1	s09
uuuggguuucuaagacgGgauc	1	1	s09
uuuggguuucuaagacgugauc	2	1	s09
uuuggguuucuaagacgugauc	1	1	s09
uuuggguuucGgacgugauc	1	1	s09
uuuggguuucuaagacgugauc	100	0	s09
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Star

Mature

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Star

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Star

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Star

Mature

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Star

Mature

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.....uuuggguguuuc <u>uagacgugaC</u>	1	1	s17
.....uuuggguguuuc <u>uagacgugau</u>	2	0	s17
.....uuuggguguuuc <u>Ugacgugauc</u>	1	1	s17
.....uuuggguguuuc <u>uagacgugauc</u>	14	0	s17
.....uu <u>gA</u> guuuc <u>uagacgugauc</u>	1	1	s17
.....uuuggguguuuc <u>uagacgugauU</u>	1	1	s17
.....uuuggguguuuc <u>uagacgugaucA</u>	8	1	s17
.....uuuggguguuuc <u>uagacgugaucC</u>	2	1	s17
.....uuuggguguuuc <u>uagacgugaucg</u>	15	0	s17
.....uuuggguguuuc <u>uagacgugaucU</u>	11	1	s17
.....uuuggguguuuc <u>uagacguga</u>	1	0	s17
.....uuuggguguuuc <u>uagacgugau</u>	9	0	s17
.....uuuggguguuuc <u>uagacgugaC</u>	5	1	s17
.....uuuggguguuuc <u>uagacgugaCc</u>	1	1	s17
.....uuuggguguuuc <u>uagacgugauc</u>	22	0	s17
.....uuuggguguuuc <u>uagacgugGucg</u>	1	1	s17
.....uuuggguguuuc <u>uagacgugaucg</u>	36	0	s17
.....uuuggguguuuc <u>uagacgugaucC</u>	1	1	s17
.....uuuggguguuuc <u>uagacgugaucA</u>	14	1	s17
.....uuuggguguuuc <u>uagacgugaucU</u>	20	1	s17
.....uuuggguguuuc <u>Acuagacgugaucg</u>	1	1	s17
.....uuuggguguuuc <u>uagacgugaucgA</u>	1	1	s17
.....uuuu <u>cuagacgugaucgcau</u>	1	0	s17
.....aacuauuaguagagcuugcg.....	3	0	s10
.....ugcgauuacgucuaagaaca.....	1	0	s10
.....auuacgucuaagaacacugaaaU.....	1	1	s10
.....auuacgucuaagaacacugaaagU.....	5	1	s10
.....auuacAucuaagaacacugaaaga.....	1	1	s10
.....auuacgucuaagaacacugaaaga.....	6	0	s10
.....auuacgucuaagaacacugaaagG.....	1	1	s10
.....auuacgucuaagaacacugaaagUu.....	2	1	s10
.....auuacgucuaagaacacugaaagau.....	1	0	s10
.....auuacgucuaagaacacugaaagauu.....	4	0	s10
.....auuacgucuaagaacacugaaagauU.....	1	1	s10
.....uuacgucuaagaacacugaaaga.....	2	0	s10
.....caaucuuuuggguguuuc <u>uagacgugauc</u>	1	0	s10
.....cuuuuggguguuuc <u>uagacgugauc</u>	1	0	s10
.....uuuggguguuucCgacgu.....	1	1	s10
.....uuuggguguuuc <u>uagaUgu</u>	1	1	s10
.....uuuggguguuuc <u>uagacgC</u>	9	1	s10
.....uuuggguguuuc <u>uagacAu</u>	1	1	s10
.....uuuggguguuuc <u>uagacgu</u>	19	0	s10
.....uuuggguguuuc <u>uagacgA</u>	1	1	s10
.....uuuggguguuuc <u>uagacguA</u>	2	1	s10
.....uuuggguguuuc <u>uagacguU</u>	2	1	s10
.....uuuggguguuuc <u>uagacgug</u>	4	0	s10
.....uuuggguguuuc <u>uagacgugC</u>	1	1	s10
.....uuuggguguuuc <u>uagGcguga</u>	1	1	s10
.....uuuggguguuuc <u>uagacguga</u>	18	0	s10
.....uuuggguguuuc <u>uagacgugaa</u>	1	1	s10
.....uuugggCguu <u>cuagacgugau</u>	2	1	s10
.....uuuggguguuuc <u>uagacgugGu</u>	2	1	s10
.....uuuggguguuuc <u>uagacUgau</u>	1	1	s10
.....Cuuggguguuuc <u>uagacgugau</u>	1	1	s10
.....uuuggguguuuc <u>uagacgugau</u>	143	0	s10
.....uuuggguguuuc <u>uagacgugaC</u>	18	1	s10
.....uuuggguguuucAa <u>acgugau</u>	1	1	s10
.....uuuggguguuucCag <u>acgugau</u>	1	1	s10
.....uuAggguguuuc <u>uagacgugauc</u>	1	1	s10
.....Guuggguguuuc <u>uagacgugauc</u>	1	1	s10
.....uuuggguguuuc <u>uagacgugauU</u>	28	1	s10
.....uuuggguguuucGg <u>acgugauc</u>	1	1	s10
.....uuuggguguuucA <u>Uacgugauc</u>	2	1	s10

Star Mature

aucagaaauguuuuggggaaaaacuauuaguagagcgauuacgucuaagaacacugaaagauucaauuuuugggguguuuagacgugaucgcauguuacuaccuauaaacc

uuugggguCuuccuagacgugauc	1	1	s10
uuugggguuuuagacAugauc	1	1	s10
uuugggguguuuagacgugaCc	1	1	s10
uuugAguguuuagacgugauc	5	1	s10
uuugggguuuuagacgugGuc	3	1	s10
uuuggggCguuccuagacgugauc	2	1	s10
uuugggguguuuagacgugauc	412	0	s10
uuCgggguuuuagacgugauc	2	1	s10
uuuggggugCuccuagacgugauc	1	1	s10
uuGgggguuuuagacgugauc	1	1	s10
uuuggggguuuuagacgGgauc	1	1	s10
uuuggggguuuuagGcgugauc	4	1	s10
uuuggggguuuuagacguUauc	1	1	s10
uuuggggguuuuagacgugaAc	1	1	s10
uuuggggguuuuagacgugauA	9	1	s10
uuuggggguuuuCgacgugauc	1	1	s10
uuuggggguuCuagacgugauc	2	1	s10
uuuggggguuuuagacgCgauc	1	1	s10
Cuuugggguuuuagacgugauc	1	1	s10
uuuggggguuuCagacgugauc	1	1	s10
uuuggggugCuccuagacgugaucg	1	1	s10
uuuggggguuuuagacgugauGg	1	1	s10
uuuggggguuuuGgacgugaucg	2	1	s10
uuuggggguuuuagacgugaucg	428	0	s10
uuugUguguuuagacgugaucg	1	1	s10
uuuggggguuuuagacgugaucU	83	1	s10
uuugggguguuuagacgugauA	249	1	s10
Cuuugggguuuuagacgugaucg	1	1	s10
uuuggggGguuuuagacgugaucg	1	1	s10
uuuggggguuuuagacgugaucC	13	1	s10
uuuggggguuuUuagacgugaucg	1	1	s10
uuuggggguuuuUacgugaucg	1	1	s10
uuuggggAguuuagacgugaucg	3	1	s10
uuugggUguuuuagacgugaucg	1	1	s10
uuuggggguuuuAacgugaucg	1	1	s10
uuuggggguuAcuagacgugaucg	1	1	s10
uuuggggguuuuagaAgugaucg	1	1	s10
uuuggggguuCuagacgugaucg	1	1	s10
uuugggguAuuuagacgugaucg	1	1	s10
uuCgggguuuuagacgugaucg	2	1	s10
Auuugggguuuuagacgugaucg	2	1	s10
uuuggggguuuuagaUgugaucg	2	1	s10
uGuggggguuuuagacgugaucg	1	1	s10
uuuggggguuuuagGcgugaucg	1	1	s10
uuuggggguuuuagacgugauAg	2	1	s10
uuuggggguuuuagacgCgaucg	1	1	s10
uuuggggguuuuagacguCaucg	1	1	s10
uuuggggCguuccuagacgugaucg	1	1	s10
uuuggggguuuuagacgugGucg	4	1	s10
uuuggggguuuuagacgugaCcg	2	1	s10
uuuggggguuuuagacgugaucgC	7	0	s10
uuuggggguuuuagacgugaucgG	1	1	s10
uuuggggguuuuagacgugaucgU	20	1	s10
uuuggggguuuuagacgugaucgA	67	1	s10
uuuggggguuuuagacgugaucAc	2	1	s10
uuuggggguuuuagacgugaucgUa	1	1	s10
uuuggggguuuuagacgugaucgAa	3	1	s10
uuuggggguuuuagacgugaucgUau	1	1	s10
uuugggguuuuagacgug	1	0	s10
uuuggggguuuuagacgugaG	1	1	s10
Guggggguuuuagacgugau	1	1	s10
uuuggggguuuuagacgugau	19	0	s10
uuuggggguuuuagacgugaC	3	1	s10
uuuggggguuuuAacgugauc	1	1	s10
Cuggggguuuuagacgugauc	1	1	s10
uuuggggguuuuagacgugauA	4	1	s10
uuugggCguuccuagacgugauc	1	1	s10
uuuggggguuuuagacgugauc	81	0	s10
uuuggggguuuuagacgugauU	9	1	s10
uuuggggguuuuagacgGgauc	1	1	s10

Star Mature

aucagaaauguuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaaaga <u>uuc</u> aaucuuuuggguguuuc <u>uagacgugaucg</u> cauguuacuaccuauaaacc			
.....uuggguguuuc <u>Ggacgugauc</u>	2	1	s10
.....uuggguguuuc <u>agacgugaucU</u>	13	1	s10
.....uuggguguuuc <u>Agacgugaucg</u>	1	1	s10
.....uuggguguuuc <u>agGcgugaucg</u>	1	1	s10
..... <u>Auggguguuuc</u> agacgugaucg.....	1	1	s10
.....uuggguguuuc <u>aCacgugaucg</u>	1	1	s10
.....uuggguguuuc <u>agacgugaucC</u>	5	1	s10
.....uuggguguuuc <u>agacgugaucA</u>	47	1	s10
.....uuggguguuuc <u>agacCugaucg</u>	1	1	s10
.....uuggguguuuc <u>agacgugaucg</u>	85	0	s10
.....uuggguguuuc <u>agacgCgaucg</u>	1	1	s10
.....uugggGguuuc <u>agacgugaucg</u>	1	1	s10
.....uuggguguuuc <u>agacgugGucg</u>	1	1	s10
.....uuggguguuuc <u>agacgugaCcg</u>	1	1	s10
.....uuggguguuuc <u>agacgugaucgU</u>	6	1	s10
.....uuggguguuuc <u>agacgugaucgc</u>	4	0	s10
.....uuggguguuuc <u>agacgugaucgA</u>	13	1	s10
.....uuggguguuuc <u>agacgugaucgUa</u>	2	1	s10
.....uuggguguuuc <u>agacguga</u>	1	0	s10
.....uuggguguuuc <u>agacgugaC</u>	5	1	s10
.....uuggguguuuc <u>Ggacgugau</u>	1	1	s10
.....uuggguguuuc <u>agCcgugau</u>	2	1	s10
.....uuggguguuuc <u>agacgugau</u>	31	0	s10
.....uuggguguuuc <u>agacgugGu</u>	3	1	s10
.....uuggguguuuc <u>agacgugaA</u>	2	1	s10
.....uuggguguuuc <u>agacgugaAc</u>	1	1	s10
.....uuggguguuuc <u>agacgugauA</u>	2	1	s10
.....uuggguguuuc <u>agacgugauc</u>	106	0	s10
..... <u>Aggguguuuc</u> agacgugauc.....	1	1	s10
.....uuggg <u>Ag</u> uuuc <u>agacgugauc</u>	2	1	s10
.....uuggguguuuc <u>agacgugauU</u>	7	1	s10
.....uuggguguuuc <u>agacgugaGc</u>	1	1	s10
.....uuggguguuuc <u>Cagacgugauc</u>	1	1	s10
.....uUgguguuuc <u>agacgugauc</u>	2	1	s10
.....uugggugCuc <u>agacgugaucg</u>	1	1	s10
.....uuggguguuU <u>agacgugaucg</u>	2	1	s10
.....uuggguguuuc <u>agacgugaucA</u>	60	1	s10
.....uuggguguuuc <u>agacgugaucC</u>	1	1	s10
.....uuggguguuuc <u>agacgugaucU</u>	20	1	s10
.....uuggguguuuc <u>agacgCgaucg</u>	1	1	s10
.....uuggguguuuc <u>agacgugaucg</u>	94	0	s10
.....uggUguuuc <u>agacgugaucg</u>	1	1	s10
.....uuggguguuuc <u>agacgugaGcg</u>	1	1	s10
.....uuggguguuuc <u>agacgugaucgA</u>	10	1	s10
.....uuggguguuuc <u>agacgugaucgU</u>	4	1	s10
.....uuc <u>agacgugaucgc</u> au.....	2	0	s10
.....uuc <u>agacgugaucgc</u> auU.....	1	1	s10
.....aaacuauuaguagagcuugcg.....	1	0	s19
.....acuauuaguagagcuugcg.....	2	0	s19
.....auuacgucuaagaacacugaa.....	1	0	s19
.....auuacgucuaagaacacugaaaga.....	6	0	s19
.....auuacgucuaagaacacugaaagU.....	1	1	s19
.....auuacgucuaagaacacugaaagC.....	1	1	s19
.....auuacgucuaagaacacugaaagau.....	1	0	s19
.....auuacgucuaagaacacugaaagaG.....	1	1	s19
.....auuacgucuaagaacacugaaagauu.....	3	0	s19
.....auuacgucuaagaacacugaaagauuU.....	1	1	s19
.....auuacgucuaagaacacugaaagauuA.....	1	1	s19
.....uacgucuaagaacacugaaaga.....	2	0	s19
.....uacgucuaagaacacugaaagauucaau.....	2	0	s19
.....uuuggguguuuc <u>agacgA</u>	1	1	s19
.....uuuggguguuuc <u>agacgu</u>	27	0	s19
.....uuuggguguuuc <u>agacgC</u>	2	1	s19
.....uCuuggguguuuc <u>agacgu</u>	1	1	s19
.....uuuggguguuuc <u>agacguga</u>	8	0	s19
.....uuuggguguuuc <u>agacgugC</u>	1	1	s19
.....uGuuggguguuuc <u>agacgugau</u>	1	1	s19
.....uuuggguguuuc <u>agGcgugau</u>	1	1	s19
.....uuuggguguuuc <u>agacgugau</u>	16	0	s19

Star Mature

aucagaaauguuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaaagauucaauuuuuggguguuuagacgugaucgcauguuacuaccuauaaacc			
.....uuuggguuuuagacgugauc.....	51	0	s19
.....uuuggguuuuagacgugauc.....	1	1	s19
.....uuuggguguuuagacgugauU.....	4	1	s19
.....uuugAguguuuagacgugauc.....	1	1	s19
.....Cuuggguuuuagacgugauc.....	1	1	s19
.....uCuuggguuuuagacgugaucg.....	1	1	s19
.....uuuggguuuuagacgugaucA.....	52	1	s19
.....uuuggguuuuagGcgugaucg.....	1	1	s19
.....uuuggguguuuagacgugaucC.....	3	1	s19
.....uuuggguuuuagacUugaucg.....	1	1	s19
.....uuuggguuuuagacgugaucU.....	17	1	s19
.....uuuggguguuuagacgugaucg.....	52	0	s19
.....uuuggguuuuagacgugaCcg.....	1	1	s19
.....Cuuggguuuuagacgugaucg.....	1	1	s19
.....uuuggguguuuagacgugauGg.....	1	1	s19
.....uuuggguuuuagacgugaucgU.....	5	1	s19
.....uuuggguuuuagacgugaucgA.....	64	1	s19
.....uuggguuuuagacguA.....	1	1	s19
.....uCGggguuuuagacgugau.....	3	1	s19
.....uuUggguuuuagacgugau.....	1	1	s19
.....uuggguuuuagacgugau.....	5	0	s19
.....uGggguuuuagacgugauc.....	1	1	s19
.....uuUggguuuuagacgugauc.....	1	1	s19
.....uuggguuuuagacgugauc.....	9	0	s19
.....uuggguuuuagacgugaucU.....	4	1	s19
.....uuggguuuuagacgugaucg.....	5	0	s19
.....uuggguuuuagacgugaucA.....	13	1	s19
.....uuggguuuuagacgugaucC.....	2	1	s19
.....uuggguuuuagacgugaucgA.....	1	1	s19
.....uuggguuuuagacgugaucgU.....	2	1	s19
.....uuggguuuuagacgugaucgAa.....	1	1	s19
.....uggguuuuagacguga.....	2	0	s19
.....uggguuuuagacgugaA.....	3	1	s19
.....uggguuuuagacgugau.....	2	0	s19
.....uCGguuuuagacgugauc.....	1	1	s19
.....uggguuuuagacgugauc.....	5	0	s19
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.....uggguuuuagacgugaucA.....	10	1	s19
.....uggguuuuagacgugaucC.....	1	1	s19
.....uggguuuuagacgugaucU.....	2	1	s19
.....uggguuuuagacgugaucgG.....	1	1	s19
.....uggguuuuagacgugaucgA.....	1	1	s19
.....ugggCGuuuagacgugaucgca.....	2	1	s19
.....uucuaagacgugaucgcauUu.....	2	1	s19
.....uucuaagacgugaucgcauUu.....	1	1	s19
.....aaacuauuaguagagcuugcg.....	2	0	s14
.....aaacuauuaguagagcCugcg.....	1	1	s14
.....aaacuauuaguagagcuugcA.....	2	1	s14
.....aacuauuaguagagcuugcA.....	1	1	s14
.....aacuauuaguagagcuugcg.....	1	0	s14
.....auuacgucuaagaacacugaaagC.....	3	1	s14
.....auuacgucuaagaacacugaaagauU.....	2	1	s14
.....uuuggguuuuagacgu.....	1	0	s14
.....uuuggguuuuagacgA.....	1	1	s14
.....uuuggguuuuagacgug.....	1	0	s14
.....uuuggguuuuagacgugU.....	1	1	s14
.....uuuAgguuuuagacguga.....	1	1	s14
.....uuuggguuuuagacguga.....	8	0	s14
.....uuCGggguuuuagacgugau.....	1	1	s14
.....uuuggguuuuagacgugau.....	17	0	s14
.....uuuggguuuuagGcgugau.....	1	1	s14
.....uuuggguuuuagacgugaC.....	2	1	s14
.....uuuggguuuuagacgugGu.....	1	1	s14
.....uCuuggguuuuagacgugau.....	2	1	s14
.....uuuggguuuuagacgugaAc.....	1	1	s14
.....uuuggguuuuagCcgugauc.....	1	1	s14
.....uuugggCGuuuagacgugauc.....	4	1	s14
.....Guuggguuuuagacgugauc.....	1	1	s14
.....uuugggAguuacgugauc.....	1	1	s14

Star

Mature

aucagaaauguuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaaagauucaaucuuuuggguguucuagacgugaucgcauguuacuaccuauaaacc

.....uuuggguguCcuagacgugauc.....	1	1	s14
.....uuuggguguu <u>cuagacgugauU</u>	5	1	s14
.....uuuggguguu <u>cuagacgugauc</u>	101	0	s14
.....uuGggguguu <u>cuagacgugauc</u>	1	1	s14
.....uuuggguguu <u>cuagacgugaCcg</u>	1	1	s14
.....uuugggugug <u>Acuagacgugaucg</u>	1	1	s14
.....uuuggguguu <u>cuagacgugaucA</u>	31	1	s14
.....uuuggguguu <u>Cagacgugaucg</u>	1	1	s14
.....uuuggguguu <u>cuagacgugaucU</u>	27	1	s14
.....uuCggguguu <u>cuagacgugaucg</u>	1	1	s14
.....uuuggguguu <u>cuagacgugaucC</u>	3	1	s14
.....uuuggguguu <u>cuagacAugaucg</u>	1	1	s14
.....uuuggguguu <u>cuagacgugaucg</u>	106	0	s14
.....uuuggguguu <u>cuagacgugauGg</u>	1	1	s14
.....uuuggguguu <u>cuacacgugaucg</u>	1	1	s14
.....uuuggguguu <u>cuagacgugGucg</u>	4	1	s14
.....uuuggguguu <u>cuGgacgugaucg</u>	1	1	s14
.....uuuggguguu <u>cuagacAugaucgc</u>	1	1	s14
.....uuuggguguu <u>cuagacgugaucgA</u>	5	1	s14
.....uuuggguguu <u>cuagacgugaucgc</u>	2	0	s14
.....uuuggguguu <u>cuagacgugaucgU</u>	5	1	s14
.....uuuggguguu <u>cuagacgugaucgcU</u>	1	1	s14
.....uuuggguguu <u>cuagacgugaAcgcau</u>	1	1	s14
.....uuggguguu <u>cuagacgugau</u>	1	0	s14
.....uuggguguu <u>cuagacgugauc</u>	9	0	s14
.....uuggguguu <u>cuagacgugauU</u>	1	1	s14
.....uuggguguu <u>cuagacgugaucU</u>	3	1	s14
.....uuggguguu <u>cuagacgugaucA</u>	1	1	s14
.....uuggguguu <u>cuagacgugaucg</u>	3	0	s14
.....uuggguguu <u>cuagacgCgaucg</u>	1	1	s14
.....uuggguguu <u>cuagacgugaucgU</u>	1	1	s14
.....uuggguguu <u>cuagacguga</u>	1	0	s14
.....uuggguguu <u>cuagacgugU</u>	3	1	s14
.....uuggguguu <u>cuagacgugau</u>	5	0	s14
.....uuggguguu <u>cuagacgugauc</u>	15	0	s14
.....uuggguguu <u>cuagacgugaucA</u>	2	1	s14
.....uuggguguu <u>cuagacgugaucg</u>	20	0	s14
.....uuggguguu <u>cuagacgugaucU</u>	6	1	s14
.....uuggguguCcuagacgugaucg.....	2	1	s14
.....gggaaaaacuauuaguagagcuugcg.....	1	0	s12
.....aaaacuauuaguagagcuugcg.....	1	0	s12
.....aaacuauuaguagagcuug.....	1	0	s12
.....aaacuauuaguagagcAugcg.....	1	1	s12
.....aaacuGuuaguagagcuugcg.....	1	1	s12
.....aaacuauuaguagagcuugcg.....	6	0	s12
.....aacuauuaguagagcuugU.....	1	1	s12
.....aacuauuGguagagcuugcg.....	1	1	s12
.....aacuauuaguagagcuugUg.....	1	1	s12
.....aacuauuaguagagcuugcg.....	8	0	s12
.....aacuauuaguagagcuugcA.....	1	1	s12
.....acuauuaguagagcuugcg.....	21	0	s12
.....acuauuGguagagcuugcg.....	1	1	s12
.....acuauuaguagagcuugcU.....	1	1	s12
.....acuauuaguagagcuugcA.....	4	1	s12
.....cuauuaguagagcuugcg.....	2	0	s12
.....auuacgucuaagaacacugaU.....	2	1	s12
.....auuacgucuaagaacacugaaag.....	2	0	s12
.....auuacgucUGgaacacugaaaga.....	1	1	s12
.....auuacgucuaagaacacugaaaga.....	8	0	s12
.....auuacgucuaagaacacugaaagU.....	4	1	s12
.....auuacgucuaagaacacugaaagauu.....	5	0	s12
.....uacgucuaagaacacugaaagauucaau.....	2	0	s12
.....uagaacacugaaagauucU.....	1	1	s12
.....uucaauuuuggguguu <u>cuagacgugaucg</u>	1	0	s12
.....uuuggguguu <u>cuagacgu</u>	12	0	s12
.....uuuggguguu <u>Cgagacgu</u>	1	1	s12
.....uuuggguguu <u>cuagacgug</u>	1	0	s12
.....uuuggguguu <u>cuagacguga</u>	10	0	s12
.....uuuggguguu <u>cuagacguCa</u>	1	1	s12

Star

Mature

aucagaaauguuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaaagauucaaucuuuuggguguucuagacgugaucgcauguuacuaccuauaaacc

.....uuuggguguu <u>cuagacgug</u> Gu.....	1	1	s12
.....uuugggAguu <u>cuagacgug</u> au.....	1	1	s12
.....uCuuggguguu <u>cuagacgug</u> au.....	1	1	s12
.....uuuggguguu <u>cuagGcg</u> ugau.....	1	1	s12
.....uuuggguguu <u>cuagacgug</u> aC.....	7	1	s12
.....uuuggguguu <u>cuagacgug</u> au.....	60	0	s12
.....uCuuggguguu <u>cuagacgug</u> auc.....	1	1	s12
.....uuuggguguu <u>cuagacgug</u> auc.....	67	0	s12
.....uuuggguguu <u>cuagacgug</u> aCc.....	1	1	s12
.....uuuggguguuC <u>cuagacgug</u> auc.....	2	1	s12
.....uuuggguguu <u>cuagacgug</u> Guc.....	1	1	s12
.....uuuggguguu <u>cuagacgug</u> auA.....	2	1	s12
.....Auuggguguu <u>cuagacgug</u> auc.....	1	1	s12
.....uuuggguguu <u>cuagacgug</u> auU.....	14	1	s12
.....uuugCguguu <u>cuagacgug</u> aucg.....	1	1	s12
.....uuuggguguu <u>cuagacgug</u> aucC.....	7	1	s12
.....uuuggguguu <u>cuAa</u> acgugaucg.....	1	1	s12
.....uuuggguguu <u>cuagacgug</u> aucU.....	18	1	s12
.....uuugggGguu <u>cuagacgug</u> aucg.....	1	1	s12
.....uuuggguguu <u>cuA</u> acgugaucg.....	1	1	s12
.....uuCggguguu <u>cuagacgug</u> aucg.....	3	1	s12
.....uuuggguguu <u>cuagacgug</u> auCA.....	131	1	s12
.....uuuggguguu <u>cuagacgug</u> aucg.....	68	0	s12
.....uuuggguguuC <u>cuagacgug</u> aucg.....	1	1	s12
.....uuuggguguu <u>cuagacgug</u> aucgG.....	3	1	s12
.....uuuggguguu <u>cuagacgug</u> aucgc.....	2	0	s12
.....uuuggguguu <u>cuagacgug</u> aucgU.....	2	1	s12
.....uuuggguguu <u>cuagacgug</u> aucGA.....	4	1	s12
.....uuggguguu <u>cuagacgug</u> au.....	4	0	s12
.....uuggguguu <u>cuagA</u> gugau.....	1	1	s12
.....uuggguguu <u>cuagacgug</u> aC.....	2	1	s12
.....uuggguguu <u>cuagacgug</u> auU.....	1	1	s12
.....uuggguguu <u>cuagGcg</u> ugauc.....	2	1	s12
.....uuggguguu <u>cuagacgug</u> auc.....	8	0	s12
.....uuggguguu <u>cuagacgug</u> aucU.....	7	1	s12
.....uuggguguu <u>cuagacgug</u> aucg.....	4	0	s12
.....uuggguguu <u>cuagacgG</u> gaucg.....	1	1	s12
.....uuggguguu <u>cuagacgug</u> auCA.....	13	1	s12
.....uggguguu <u>cuagacgug</u> a.....	1	0	s12
.....uggguguu <u>cuagacgug</u> aC.....	2	1	s12
.....uggguguu <u>cuagacgug</u> au.....	7	0	s12
.....uUgguguu <u>cuagacgug</u> au.....	1	1	s12
.....ugggugC <u>cuagacgug</u> au.....	1	1	s12
.....uggguguu <u>cuagacgug</u> auc.....	5	0	s12
.....uggguU <u>cuagacgug</u> auc.....	1	1	s12
.....uggguguuC <u>agacgug</u> aucg.....	1	1	s12
.....uggguguu <u>cuagacgug</u> aucU.....	7	1	s12
.....uggguguu <u>cuagacgug</u> aucg.....	29	0	s12
.....uggguguu <u>cuagacgug</u> auCA.....	34	1	s12
.....Cggguguu <u>cuagacgug</u> aucg.....	3	1	s12
.....uggguguu <u>cuagacgug</u> aucC.....	2	1	s12
.....uggguguu <u>cuagacgug</u> Uucg.....	1	1	s12
.....ugggCguu <u>cuagacgug</u> aucg.....	1	1	s12
.....uggguguu <u>cuagacgug</u> aucGA.....	1	1	s12
.....uuc <u>uagacgug</u> aucgcgauU.....	4	1	s12
.....aaacuauuaguagagcuugcU.....	1	1	s13
.....aaacuauuaguagagcuugcg.....	1	0	s13
.....aaacuauuaguagaUcuugcg.....	1	1	s13
.....aacuauuaguagagcuugcg.....	6	0	s13
.....acuauuaguagagcuugcg.....	1	0	s13
.....auuacgucuaagaacGacuga.....	1	1	s13
.....auuacgucuaagaacacugaa.....	4	0	s13
.....auuacgucuaagaacacugaaaU.....	2	1	s13
.....auuacgucuaagaacacugaaag.....	1	0	s13
.....auuacgucuGgaacacugaaaga.....	1	1	s13
.....auuacgucuaagaacacugaGaga.....	2	1	s13
.....auuacgucuaagaacacugaaaga.....	5	0	s13
.....auuacgucuaagaGcacugaaaga.....	1	1	s13
.....auuacgucuaagaacacugaaagauu.....	1	0	s13

Star Mature

aucagaaauguuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaaaga <u>uucaau</u> cuuuuggguguu <u>cuagacgugaucg</u> cauguuacuaccuauaaacc			
.....auuacgCcuaagaacacugaaagauu.....	1	1	s13
.....auuacgucuaagaacacugaaagauucaauc.....	2	0	s13
.....uuacgucuaagaacacugaC.....	2	1	s13
.....uuacgucuaagaacacugaaU.....	1	1	s13
.....uuacgucuaagaacacugaaag.....	2	0	s13
.....uuacgucuaagaacacugaaagU.....	2	1	s13
.....uuuggguguu <u>cuagacgA</u>	1	1	s13
.....uuuggguguu <u>cuagacgG</u>	2	1	s13
.....uuuggguguu <u>cuagacggu</u>	29	0	s13
.....uuuggguguu <u>cuagacgC</u>	5	1	s13
.....uuu <u>Cgguguu</u> cuagacggu.....	1	1	s13
.....uuuggguguu <u>cuagacguA</u>	5	1	s13
.....uuuggguguu <u>cuagacguga</u>	11	0	s13
.....uuuggguguu <u>cuagacgugU</u>	2	1	s13
.....uuugggG <u>guu</u> cuagacgugau.....	1	1	s13
.....uuuggguguu <u>cuagacgugau</u>	46	0	s13
.....uuuggguguu <u>cuagacgugUu</u>	1	1	s13
.....u <u>Cgguguu</u> cuagacgugau.....	1	1	s13
.....Cuuggguguu <u>cuagacgugau</u>	2	1	s13
.....uuuggguguu <u>cuagacgugU</u>	2	1	s13
.....uuuggguguu <u>cuagGcgugau</u>	1	1	s13
.....uuugggC <u>guu</u> cuagacgugau.....	1	1	s13
.....uuuggguguu <u>cuagacgugaC</u>	8	1	s13
.....uuuggguguu <u>cuagAacgugau</u>	1	1	s13
.....Guuggguguu <u>cuagacgugauc</u>	2	1	s13
.....uuuggguguC <u>cuagacgugauc</u>	1	1	s13
.....uuuggguA <u>uuc</u> cuagacgugauc.....	1	1	s13
.....uuuggguguu <u>cuagaUgugauc</u>	1	1	s13
.....uuuggguguu <u>cuagGcgugauc</u>	2	1	s13
.....uuuggguguu <u>cuagacgugauA</u>	3	1	s13
.....uuuggguguu <u>cuagacgCgauc</u>	2	1	s13
.....uuuggguguu <u>cuagacgugauc</u>	174	0	s13
.....uuuggguguu <u>cuagacgugauU</u>	9	1	s13
.....uuuggguguu <u>cuGacgugauc</u>	1	1	s13
.....Cuuggguguu <u>cuagacgugauc</u>	1	1	s13
.....uuuggguguu <u>cuagacgugaCcg</u>	1	1	s13
.....uuuggguguu <u>cuagacgugaucg</u>	182	0	s13
.....uuuA <u>gguguu</u> cuagacgugaucg.....	1	1	s13
.....uA <u>ugguguu</u> cuagacgugaucg.....	2	1	s13
.....uuuggguguu <u>cuagacgugaucC</u>	5	1	s13
.....uuuggguguu <u>cuagacgugGucg</u>	1	1	s13
.....uuuggguguu <u>cuagCcgugaucg</u>	1	1	s13
.....uuuggA <u>uguu</u> cuagacgugaucg.....	1	1	s13
.....uC <u>ugguguu</u> cuagacgugaucg.....	1	1	s13
.....uuuggguguu <u>cuagacgugauU</u>	68	1	s13
.....uuuggguguu <u>cuagaAguugaucg</u>	1	1	s13
.....uuG <u>gguguu</u> cuagacgugaucg.....	1	1	s13
.....uuuggguguu <u>cuagGcgugaucg</u>	1	1	s13
.....uuuggguguu <u>cuagacgugaucA</u>	138	1	s13
.....uuuggguguu <u>cuagacgugauUg</u>	2	1	s13
.....Guuggguguu <u>cuagacgugaucg</u>	1	1	s13
.....uuuggguguC <u>cuagacgugaucg</u>	1	1	s13
.....uuugggugC <u>cuagacgugaucg</u>	1	1	s13
.....uuuggguguu <u>cuagacgugaucgU</u>	9	1	s13
.....uuuggguguu <u>cuagacgugaucAc</u>	1	1	s13
.....uuuggguguu <u>cuagacgugaucgA</u>	44	1	s13
.....uuuggguguu <u>cuagacgugaucgc</u>	4	0	s13
.....uuuggguguu <u>cuagacgugaucgG</u>	2	1	s13
.....uuuggguguu <u>cuagacgugaucgAa</u>	1	1	s13
.....u <u>gguguu</u> cuagacgguA.....	2	1	s13
.....u <u>gguguu</u> cuagacgug.....	2	0	s13
.....u <u>gguguu</u> cuagacguga.....	8	0	s13
.....u <u>gguguu</u> cuagacgguAa.....	2	1	s13
.....u <u>gguguu</u> cuagacgugaC.....	5	1	s13
.....u <u>gguguu</u> cuagacgugau.....	28	0	s13
.....u <u>gggu</u> Cuuc <u>cuagacgugau</u>	1	1	s13
.....u <u>gggu</u> Guu <u>cuGacgugauc</u>	1	1	s13
.....u <u>gggu</u> Guu <u>cuagacgugauc</u>	56	0	s13
.....u <u>gggu</u> Guu <u>cuagacgugCuc</u>	1	1	s13
.....u <u>gggu</u> Auuc <u>cuagacgugauc</u>	1	1	s13

Star

Mature

aucagaaauguuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaaaga <u>uucaau</u> cuuuuggguguuuc <u>uagacgugaucg</u> cauguuacuaccuauaaacc			
.....uuggguguuuc <u>uagacA</u> ugauc.....	1	1	s13
.....uuggguguuuc <u>uA</u> cgugauc.....	1	1	s13
.....uuggguguuuc <u>uagacg</u> ugauU.....	6	1	s13
.....uuggguguu <u>uA</u> agacgugauc.....	1	1	s13
.....uuggguguu <u>cuagacg</u> ugauA.....	3	1	s13
.....uuggguguu <u>cuagacg</u> ugaucg.....	27	0	s13
.....uuggguguu <u>cuagacg</u> ugaucU.....	25	1	s13
.....uuggguguu <u>cuagacgA</u> gaucg.....	1	1	s13
.....uuggguguu <u>cuagacg</u> ugaucA.....	65	1	s13
.....uuggguguu <u>cuagacgU</u> cg.....	1	1	s13
.....uuggguguu <u>cuagacg</u> ugaucAc.....	1	1	s13
.....uuggguguu <u>cuagacg</u> ugaucgc.....	1	0	s13
.....uuggguguu <u>cuagacg</u> ugaucgU.....	3	1	s13
.....uuggguguu <u>cuagacg</u> ugaucgA.....	6	1	s13
.....uuggguguu <u>cuagacg</u> u.....	13	0	s13
.....Cggguguu <u>cuagacg</u> ugau.....	1	1	s13
.....uggguguu <u>cuagacg</u> uac.....	6	1	s13
.....uggguguu <u>cuagacg</u> uUau.....	3	1	s13
.....uggguguu <u>cuagacg</u> ugau.....	60	0	s13
.....uggguguu <u>cuagacg</u> ugauc.....	65	0	s13
.....uAgguguu <u>cuagacg</u> ugauc.....	1	1	s13
.....uggguguu <u>cuagacg</u> ugauA.....	3	1	s13
.....uggguguu <u>cuagacg</u> ugauU.....	3	1	s13
.....ugggug <u>G</u> uc <u>uagacg</u> ugauc.....	1	1	s13
.....uggguguu <u>cuagacg</u> ugaucg.....	28	0	s13
.....uggguguu <u>cuagacg</u> ugaucA.....	75	1	s13
.....uggguguu <u>cuagacg</u> ugaucU.....	23	1	s13
.....uggguguu <u>cuagacg</u> ugaucC.....	8	1	s13
.....Gggguguu <u>cuagacg</u> ugaucg.....	1	1	s13
.....uggguguu <u>cuagacg</u> ugaucgA.....	1	1	s13
.....uggguguu <u>cuagacg</u> ugaucgU.....	3	1	s13
.....ggguguu <u>cuagacg</u> ugau.....	1	0	s13
.....uuc <u>uagacg</u> ugaucgcauUu.....	1	1	s13
..cagaaauguuuugggaGa.....	2	1	s05
.....aaacuauuag <u>uagac</u> uugc.....	1	0	s05
.....aaacuauuag <u>uagac</u> uugcg.....	5	0	s05
.....aaacuauuag <u>uagac</u> uugcA.....	1	1	s05
.....aacuauuag <u>uagac</u> uugcU.....	1	1	s05
.....acuauuUguagagcuugcg.....	1	1	s05
.....acuauuag <u>uagG</u> cuugcg.....	1	1	s05
.....acuauuag <u>uagac</u> uugcA.....	4	1	s05
.....acuauuA <u>uagac</u> uugcg.....	1	1	s05
.....acuauuag <u>uagac</u> uugcg.....	12	0	s05
.....cuauuG <u>uagac</u> uugcg.....	2	1	s05
.....cuauuag <u>uagac</u> uugcA.....	1	1	s05
.....cuauuag <u>uagac</u> uugcga.....	3	0	s05
.....auuacguc <u>uagaac</u> acuga.....	1	0	s05
.....auuacguc <u>uagaac</u> acugaU.....	8	1	s05
.....auuacguc <u>uagaac</u> acugaa.....	2	0	s05
.....auuGcguc <u>uagaac</u> acugaaaga.....	1	1	s05
.....auuacguc <u>uagaac</u> acugaaagC.....	1	1	s05
.....auuacguc <u>uagaac</u> acugaaagU.....	3	1	s05
.....auuacguc <u>uagaac</u> acugaaGga.....	1	1	s05
.....auuacguc <u>uagaac</u> acugaaaga.....	1	0	s05
.....auuacguc <u>uagaac</u> acugaaagau.....	2	0	s05
.....auuacguc <u>uagaac</u> acugaaagauu.....	5	0	s05
.....auuacguc <u>uagaac</u> acugaaagauuU.....	1	1	s05
.....uuacguc <u>uagaac</u> acugaaaga.....	1	0	s05
.....uuacguc <u>uagaac</u> acugaaagU.....	3	1	s05
.....uacguc <u>uagaac</u> acugaaagauucaau.....	1	0	s05
.....cuuuggguguu <u>cuagacg</u> ugau.....	1	0	s05
.....uuuggguguu <u>cuagacg</u> u.....	8	0	s05
.....uuuggguguu <u>cuagacg</u> u.....	6	0	s05
.....uuuAgguguu <u>cuagacg</u> ugau.....	1	1	s05
.....uuuggguguu <u>cuagacg</u> ugCu.....	2	1	s05
.....uuuggguguu <u>cuagacg</u> uac.....	13	1	s05
.....uuuggguguu <u>cuagacg</u> uacA.....	1	1	s05
.....uuuggguguuG <u>cuagacg</u> ugau.....	1	1	s05
.....uuAgguguu <u>cuagacg</u> ugau.....	1	1	s05

Star Mature

aucagaaauguuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaaagauucaaucuuuuggguguuucuagacgugaucgcauguuacuaccuauaaacc

.....uuuggguguuuc <u>uagacgug</u> Gu.....	1	1	s05
.....Cuuggguguuuc <u>uagacgug</u> au.....	1	1	s05
.....uuuggguguuuc <u>uagacgug</u> au.....	54	0	s05
.....uuuggguguuuc <u>uagacgug</u> auc.....	29	0	s05
.....uuuggguguuuc <u>uagaG</u> ugauc.....	1	1	s05
.....uuugggug <u>C</u> uc <u>uagacgug</u> auc.....	2	1	s05
.....uuuggguguuuc <u>uagacgug</u> auU.....	10	1	s05
.....uuuggguguuuc <u>G</u> gacugauc.....	1	1	s05
.....uuuggguguuuc <u>uagacgug</u> aucA.....	31	1	s05
.....uuuggguguuuc <u>uagacgug</u> aucC.....	3	1	s05
.....uuuggguguuuc <u>uagacgu</u> Aaucg.....	1	1	s05
.....uuuggguguuuc <u>uagacgug</u> aucg.....	44	0	s05
.....uuuggguguuuc <u>uagacgug</u> aucU.....	11	1	s05
.....uuugggguAuu <u>uagacgug</u> aucg.....	1	1	s05
.....uuuggguguuuc <u>uagU</u> cgaucg.....	1	1	s05
.....uuuggguguuuc <u>uagacgug</u> aucGA.....	8	1	s05
.....uuuggguguuuc <u>uagacgug</u> aucgU.....	6	1	s05
.....uuggguguuuc <u>uagacgug</u> au.....	3	0	s05
.....uugggCguu <u>uagacgug</u> auc.....	4	1	s05
.....uuggguguuuc <u>uagacgug</u> auU.....	1	1	s05
.....uuggguguuuc <u>uagacgug</u> auc.....	3	0	s05
.....uuggguguuuc <u>uagacgug</u> aucA.....	5	1	s05
.....uuggguguuuc <u>uagacgug</u> aucg.....	1	0	s05
.....uuggguguuuc <u>uagacgug</u> aucgc.....	1	0	s05
.....uuggguguuuc <u>uagacgug</u> aucGA.....	1	1	s05
.....uuggguguuuc <u>uagacgug</u> aucgU.....	1	1	s05
.....uggguguuuc <u>uagacguga</u> A.....	1	1	s05
.....uggguguuuc <u>uagacguga</u> C.....	3	1	s05
.....uggguguuuc <u>uagacgug</u> au.....	12	0	s05
.....uggguguC <u>uagacgug</u> au.....	1	1	s05
.....ugggugCuc <u>uagacgug</u> au.....	1	1	s05
.....uggguguucCagacugauc.....	1	1	s05
.....uggguguuuc <u>uagacgug</u> auU.....	3	1	s05
.....uggguguuuc <u>uagacgug</u> auc.....	11	0	s05
.....uggguguuuc <u>uagacgug</u> aucA.....	20	1	s05
.....uggguguuuc <u>uagacgug</u> aucU.....	9	1	s05
.....uggguguuuc <u>uagacgug</u> Gucg.....	1	1	s05
.....uggguguuuc <u>uagacgug</u> aucg.....	25	0	s05
.....uggguguA <u>uagacgug</u> aucg.....	1	1	s05
.....uggguguuuc <u>uagacgug</u> aucGA.....	2	1	s05
.....uggguguuuc <u>uagacgug</u> aucgU.....	3	1	s05
.....uuc <u>uagacgug</u> aucgcauC.....	1	1	s05
.....acuauuaguagagcuugcg.....	1	0	s18
.....auuacgucuaagaacacugaaagU.....	1	1	s18
.....uuacgucuaagaacacugaaaga.....	1	0	s18
.....uuuggguguuuc <u>uagacgu</u>	2	0	s18
.....uuuggguguuuc <u>uagacgug</u> au.....	3	0	s18
.....uuuggguguuuc <u>uagacguga</u> C.....	1	1	s18
.....uuuggguguuuc <u>uagacgug</u> auc.....	8	0	s18
.....uuuggguguuuc <u>uagacgug</u> auU.....	1	1	s18
.....uuuggguguuuc <u>uagacgug</u> aucA.....	20	1	s18
.....uuuggguguuuc <u>uagacgug</u> aucg.....	12	0	s18
.....uuuggguguuuc <u>uagacgug</u> aucU.....	3	1	s18
.....uuuggguguuuc <u>uagacguga</u> Ccg.....	1	1	s18
.....uuuggguguuuc <u>uagacgug</u> aucGA.....	9	1	s18
.....uuggguguuuc <u>uagacgug</u> auc.....	3	0	s18
.....uuggguguuuc <u>uagacgug</u> aucA.....	5	1	s18
.....uuggguguuuc <u>uagacgug</u> aucC.....	1	1	s18
.....uuggguguuuc <u>uagacgug</u> aucg.....	3	0	s18
.....uuggguguuuc <u>uagacgug</u> aucGA.....	2	1	s18
.....uggguguuuc <u>uagacguga</u> C.....	3	1	s18
.....uggguguuuc <u>uagacgug</u> au.....	1	0	s18
.....uggguguuuc <u>uagacgug</u> aucg.....	4	0	s18
.....uggguguuuc <u>uagacgug</u> aucA.....	2	1	s18
.....auuacgucuaagaacacugaaaga.....	1	0	s11
.....auuacgucuaagaacacugaaaA.....	1	1	s11
.....uacgucuaagaacacugaaagauA.....	1	1	s11
.....uuuggguguuuc <u>uagacguga</u>	1	0	s11

Star

Mature

aucagaaauguuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaagaauucaauuuuggguguuucuaagacgugaucgcauguuacuaccuauaaacc			
.....uuuggguguuucuaagacgugau.....	4	0	s11
.....uuuggguguuucuaagacgugauc.....	15	0	s11
.....uuuggguguuucuaagacgugauU.....	1	1	s11
.....uuuggguguuucuaagacgugaucU.....	4	1	s11
.....uuuggguguuucGagacgugaucg.....	1	1	s11
.....uuuggguguuucuaagacgugaucA.....	4	1	s11
.....uuuggguguuucuaagacgugaucC.....	1	1	s11
.....uuuggguguuucuaagacgugaucg.....	26	0	s11
.....uuuggguguuucuaagacgugaucgc.....	1	0	s11
.....uggguguuucuaagacgugau.....	2	0	s11
.....uggguguuucuaagacgugauc.....	13	0	s11
.....uggguguuucuaagacgugaucA.....	1	1	s11
.....uggguguuucuaagacgugaucg.....	4	0	s11
.....gggaaaaacuauuaguagagcuugcg.....	2	0	s02
.....aaaacuauuaguagagcuug.....	1	0	s02
.....aaaacuauuaguagagcuugcA.....	2	1	s02
.....aaaacuauuaguagagcuugcg.....	12	0	s02
.....aaacuauuaguagagcuugc.....	1	0	s02
.....aaacuauuGguagagcuugcg.....	1	1	s02
.....aaCcuauuaguagagcuugcg.....	1	1	s02
.....aaacuauuaguagagcuugcg.....	89	0	s02
.....aaacuauuaguagagcuugcU.....	1	1	s02
.....aaacuauuaguagagcuugcC.....	1	1	s02
.....aaacuauuaguagagUuugcg.....	1	1	s02
.....aaacuauuaguagagcuugcA.....	10	1	s02
.....aaacuauuaguagagcuugcg.....	3	1	s02
.....aaacuauuaguagagcAugcg.....	1	1	s02
.....Gaacuauuaguagagcuugcg.....	3	1	s02
.....aaacuauuaguGgagcuugcg.....	1	1	s02
.....aacuauuaguagagcuug.....	2	0	s02
.....aacuauuaguagagcuugU.....	3	1	s02
.....aacuauuaguagagcuugc.....	4	0	s02
.....aacuauuaguagagcuugcg.....	114	0	s02
.....aacuUuuaguagagcuugcg.....	1	1	s02
.....aacuauuGguagagcuugcg.....	4	1	s02
.....aacuauuaguagagcuCgcg.....	1	1	s02
.....aacuauuaguagagcuugcU.....	1	1	s02
.....aacuauuaguagagcuuAcg.....	1	1	s02
.....aacuauuaguagagcuuCcgcg.....	1	1	s02
.....aacuauuaguagUgcugcg.....	1	1	s02
.....aacuauuaguagGgcugcg.....	1	1	s02
.....aacuauuaguagagcuugcA.....	21	1	s02
.....aaAuauuaguagagcuugcg.....	1	1	s02
.....acuauuaguagagcuugA.....	2	1	s02
.....acuauuaguagagcuugc.....	3	0	s02
.....Ucuauuaguagagcuugcg.....	1	1	s02
.....acuauuGguagagcuugcg.....	2	1	s02
.....acuauuaguagagcuugcA.....	25	1	s02
.....acuauuaguagagcuugcU.....	11	1	s02
.....acuaCuaguagagcuugcg.....	1	1	s02
.....acuauuaguagagcuugcg.....	148	0	s02
.....acuauuaguagagcuAcgcg.....	1	1	s02
.....acCauuaguagagcuugcg.....	1	1	s02
.....acuauuaguagagcuuUcg.....	1	1	s02
.....cuauuaguagagcuuUcg.....	1	1	s02
.....cuauuaguagagcuugcA.....	3	1	s02
.....cuauuaguagagcuugcg.....	13	0	s02
.....uugcgauuacgucuaagaaca.....	2	0	s02
.....uugcgauGacgucuaagaaca.....	1	1	s02
.....uugcUauuacgucuaagaaca.....	1	1	s02
.....ugcgauuacgucuaagaaca.....	2	0	s02
.....auuacgucuaagaacacug.....	1	0	s02
.....auuacgucuaagaacacuU.....	1	1	s02
.....auuacgucuaagaacacuga.....	4	0	s02
.....auuacgucuaagCacacugaa.....	1	1	s02
.....auuacgucuaagaacacugaU.....	22	1	s02
.....auuacgucuaagGacacugaa.....	1	1	s02
.....auuacgucuaagaacacAgaa.....	1	1	s02
.....auuacgucuaagaacacugaa.....	42	0	s02

Star

Mature

aucagaaauuuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaaaga <u>uucaau</u> cuuuggguguuucuaagacgugaucgcauguuacuaccuauaaacc			
.....uuuacgucUGaaacacugaa.....	3	1	s02
.....uuuacgucuaagaacacugaC.....	3	1	s02
.....uuuacgucuaagaacacugaaU.....	35	1	s02
.....uuuacgucuaagaacacugaaa.....	1	0	s02
.....uuuacgucuaagaacacugaaG.....	1	1	s02
.....uuuacgucUGaaacacugaaag.....	3	1	s02
.....uuuacgucuaagaaUacugaaag.....	1	1	s02
.....uuuacgucuaagaacacugaaag.....	10	0	s02
.....uuuacgucuaagaacacugaaauU.....	3	1	s02
.....uuuacgucuaagaacacugaaagC.....	3	1	s02
.....uuuacgucuaagaacacuaAaaaga.....	1	1	s02
.....uuuacgucuaagaacacugaaaga.....	60	0	s02
.....uuuacgucUGaaacacugaaaga.....	2	1	s02
.....uuuacgucuaagaacacugaaagU.....	30	1	s02
.....uuuacgucuaagaacGcugaaaga.....	2	1	s02
.....uuuacgucuaagaacacugaGaga.....	2	1	s02
.....uuuacgucuaagaacacugGaaga.....	1	1	s02
.....uuuacgucuaagaacacugaaagUu.....	5	1	s02
.....uuuacgucuaagaacacugaaagau.....	29	0	s02
.....uuuacgucuaagaacacugaaagaC.....	4	1	s02
.....uuuacgCcuagaacacugaaagau.....	1	1	s02
.....uuuacgucuaagaacacugaaagauC.....	8	1	s02
.....uuuacgucuaagaacacugaaGgaau.....	1	1	s02
.....uuuacgucuaagaacacugaaagauA.....	24	1	s02
.....uuuacgucuaagaacacugaaagUuu.....	5	1	s02
.....uuuacgucuaagaacacugaaagCuu.....	1	1	s02
.....uuuacgucuaagaacacugaaagauu.....	59	0	s02
.....uuuacgucuaagaacacugaaagaGu.....	2	1	s02
.....uuuacgucuaagaacGcugaaagauu.....	2	1	s02
.....uuuacgucUGaaacacugaaagauu.....	2	1	s02
.....uuuacgucuaagaacacugaaagauuA.....	10	1	s02
.....uuuacgucuaagaacacugaaagauuU.....	30	1	s02
.....uuuacgucuaagaacacugaaagauuca.....	1	0	s02
.....uuuacgucuaagaacacugaaagauuUa.....	4	1	s02
.....uuuacgucuaagaacacugaaagauucG.....	2	1	s02
.....uuuacgucuaagaacacugaaagauucau.....	3	0	s02
.....uuuacgucuaagaacacugaaagauucaUu.....	1	1	s02
.....uuuacgucUGaaacacugaaagauucauuc.....	1	1	s02
.....uuuacgucuaagaacacugaaagauucauuc.....	6	0	s02
.....uuuacguAuaagaacacugaaagauucauuc.....	1	1	s02
.....uuuacgucuaagaacacugaaagauucaGuc.....	1	1	s02
.....uuacgucuaagaacacUGa.....	1	1	s02
.....uuacgucuaagaacacugaa.....	3	0	s02
.....uuacgucuaagaacacugaaag.....	2	0	s02
.....uuacgucuaagaacacugaaUGa.....	2	1	s02
.....uuacgucuaagaacacugaaagU.....	4	1	s02
.....uuacgucuaagaacacugaaaga.....	6	0	s02
.....uuacgucuaagaacacugaaagaC.....	1	1	s02
.....uuacgucuaagaacacugaaagau.....	6	0	s02
.....uuacgCcuagaacacugaaagauu.....	1	1	s02
.....uuacgucuaagaacacugaaagauu.....	5	0	s02
.....uuacgucuaagaacacugaaagauA.....	2	1	s02
.....uuacgucuaagaacacugaaagUuu.....	2	1	s02
.....uacgucuaagaacacugaaagU.....	1	1	s02
.....uacgucuaagaacacugaaagauuU.....	1	1	s02
.....uacgucUGaaacacugaaagauuca.....	1	1	s02
.....Aacgucuaagaacacugaaagauucaau.....	1	1	s02
.....uacgucuaagaacacugaaagauucaau.....	2	0	s02
.....uacgCcuagaacacugaaagauucaau.....	2	1	s02
.....acgucuaagaacacugaaagU.....	1	1	s02
.....uucaau <u>cuu</u> ggguuucuaagacgugau.....	1	0	s02
.....uucaau <u>cuu</u> ggguuucuaagacgugaucg.....	2	0	s02
.....aucuu <u>gggu</u> uucuaagacgugaucg.....	2	0	s02
.....cuu <u>gggu</u> uucuaagacgugau.....	4	0	s02
.....cuu <u>gggu</u> uucuaagacgugaGc.....	1	1	s02
.....uu <u>gggu</u> uucuaagacgG.....	4	1	s02
.....uu <u>gggu</u> uucuaagacgu.....	123	0	s02
.....uu <u>gggu</u> uucuaagacgA.....	12	1	s02
.....uu <u>gggu</u> uucuaagacgC.....	25	1	s02
.....uu <u>ggg</u> Cguuucuaagacgu.....	2	1	s02

Mature

uuuAggguguuucuagagacgu	1	1	s02
uuugggguguuucuGgacgu	1	1	s02
uuugggguguuucuagagacAu	1	1	s02
uuugggguguuucuagGcgug	2	1	s02
uuugggguguuucuagacgug	11	0	s02
uuuggggAuucuagacgug	1	1	s02
uuugggguguuucuagacguA	9	1	s02
uuuggggugCucuagacguga	1	1	s02
uuugggguguuucuagacguAa	1	1	s02
uuugggguguuucuagacgGga	1	1	s02
uuugggguguuucuagacgugU	7	1	s02
uuuggggAuucuagacguga	1	1	s02
uuugggguguuucuUgacguga	1	1	s02
uuugggguguuucuagUcguga	1	1	s02
uuugggguguuucagaAAguga	1	1	s02
Cuugggguguuucuagacguga	1	1	s02
uuugggguguuucuagacgugG	1	1	s02
uuugggguguuucuagacguga	47	0	s02
uuugggguguuucuaAacgugau	1	1	s02
uCuugggguguuucuagacgugau	1	1	s02
uuugggguguuucuagacgugGu	8	1	s02
uuugAguguuucuagacgugau	1	1	s02
uuugggguguuucuagaGgugau	1	1	s02
uuugggguguuucuagacgugaC	74	1	s02
uuugggguguuucagaUgugau	2	1	s02
uuugggguguuucuagGcgugau	4	1	s02
uuGgggguguuucuagacgugau	1	1	s02
uuugggguguuucuagacgCgau	1	1	s02
uuugggguguCcuagacgugau	1	1	s02
uGuugggguguuucuagacgugau	3	1	s02
uuugggCguucuagacgugau	5	1	s02
uuCgggguguuucuagacgugau	1	1	s02
uuugggguguuucuagacgugau	453	0	s02
uuuggggugCucuagacgugau	2	1	s02
uuugggguguuucuagacAugau	1	1	s02
uuugggguguuucuagacgugaA	3	1	s02
uuugggguguuucuagacgugaG	6	1	s02
uuugggguguuucuGgacgugau	2	1	s02
uuugggguguuucuagacgugCu	3	1	s02
uuugggguguuucuagacUgugau	1	1	s02
Cuugggguguuucuagacgugau	1	1	s02
uuugggguguuucuagacgugauU	41	1	s02
uuugggguguuGuagacgugauc	1	1	s02
uuugggguguuucuagGcgugauc	3	1	s02
uuuggggAuucuagacgugauc	1	1	s02
uuugggguguuucuGgacgugauc	2	1	s02
uuugggGguucuagacgugauc	1	1	s02
uuuggggCguucuagacgugauc	2	1	s02
uuuggguCuucuagacgugauc	2	1	s02
uuugggguguuucuagacguUauc	1	1	s02
uuugggguguuucuaUacgugauc	1	1	s02
uuugggguguuucuagacgugGuuc	1	1	s02
Auugggguguuucuagacgugauc	1	1	s02
uuuggggugugCuagacgugauc	1	1	s02
uuugggguguuucuagacgugaA	18	1	s02
uuugggguguuucuagacgugaCc	1	1	s02
uuuggggAguuucuagacgugauc	2	1	s02
uuugggguguuucuagacgugaAc	1	1	s02
uuCgggguguuucuagacgugauc	1	1	s02
uuugggguguuucuagacgugauc	409	0	s02
uuugggguguuuCagacgugauc	1	1	s02
uuuggggugAucuagacgugauc	1	1	s02
uuuAggguguuucuagacgugauc	1	1	s02
uuugggguguuucuagacgugaG	1	1	s02
uuugggguguuucuCgacgugauc	1	1	s02
uCuugggguguuucuagacgugauc	1	1	s02
uuuggggugCucuagacgugauc	1	1	s02
uuugggguguCcuagacgugauc	1	1	s02
uuugggguguuucuagacgAgauc	1	1	s02
uuugggguguuucuagauUgugauc	1	1	s02

Star

Mature

aucagaaauguuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaaga <u>uucaau</u> cuuuuggguguu <u>cuagacgugaucg</u> cauguu <u>cuaccu</u> auaaacc			
.....uuuggguguu <u>cuagac</u> A <u>ugauc</u>	1	1	s02
.....uuuggguguu <u>cuaga</u> A <u>gugauc</u>	1	1	s02
.....uuuggguguu <u>cuagacg</u> C <u>gauc</u>	1	1	s02
.....uuuggguguC <u>cuagacgugaucg</u>	1	1	s02
.....uuugggC <u>guu</u> cuagacgugaucg.....	6	1	s02
.....uuuggguguu <u>cuagacgugaucg</u>	807	0	s02
.....uuugggG <u>guu</u> cuagacgugaucg.....	2	1	s02
.....uuugggA <u>guu</u> cuagacgugaucg.....	2	1	s02
.....uuuggguguu <u>cuagacgugaucU</u>	92	1	s02
.....uuugU <u>guu</u> cuuagacgugaucg.....	1	1	s02
.....uuuggguguu <u>cuagacgugGucg</u>	1	1	s02
.....uuuggguguu <u>cuUgacgugaucg</u>	1	1	s02
.....uuuggguA <u>uuc</u> uagacgugaucg.....	2	1	s02
.....Cuuggguguu <u>cuagacgugaucg</u>	5	1	s02
.....uuuggguguu <u>cuAa</u> c <u>gugaucg</u>	1	1	s02
.....uuuggguguu <u>cuCgacgugaucg</u>	1	1	s02
.....uuuggguguu <u>cuagacgugCucg</u>	1	1	s02
.....uuuggguguu <u>cuagacgugauUg</u>	2	1	s02
.....uuuggguguuU <u>uagacgugaucg</u>	1	1	s02
.....uCuuggguguu <u>cuagacgugaucg</u>	2	1	s02
.....uuuggguguu <u>cuagacgugaucA</u>	850	1	s02
.....uuuggguguu <u>cuagacUgaucg</u>	1	1	s02
.....uuuggguguu <u>cuagGcgugaucg</u>	5	1	s02
.....uuuggguguu <u>cuGgacgugaucg</u>	8	1	s02
.....uuuggguguu <u>cuagacgugauAg</u>	1	1	s02
.....uuuggguguu <u>cuagaUgugaucg</u>	3	1	s02
.....uuugggugC <u>u</u> cuagacgugaucg.....	7	1	s02
.....uuuggguguu <u>cuagacgugaAcg</u>	1	1	s02
.....Guuggguguu <u>cuagacgugaucg</u>	4	1	s02
.....uuuggguC <u>uuc</u> uagacgugaucg.....	3	1	s02
.....uuuggguguu <u>cuagacgugaCcg</u>	4	1	s02
.....uuuggguguu <u>cuagacAugaucg</u>	4	1	s02
.....uuuggguguu <u>cuagacgAgaucg</u>	3	1	s02
.....uuugA <u>guu</u> cuuagacgugaucg.....	3	1	s02
.....uuuggguguu <u>cuagacgCgaucg</u>	2	1	s02
.....uuugG <u>u</u> guu <u>cuagacgugaucg</u>	1	1	s02
.....uuuggguguu <u>cuUacgugaucg</u>	2	1	s02
.....uuuggguguu <u>cuCagacgugaucg</u>	1	1	s02
.....uuuggA <u>u</u> guu <u>cuagacgugaucg</u>	1	1	s02
.....uuuggguguu <u>cuagacgugaucC</u>	31	1	s02
.....uuugggugA <u>u</u> cuagacgugaucg.....	1	1	s02
.....uuuggguguu <u>cuagacgugaGcg</u>	1	1	s02
.....uuuggguguu <u>cuagacgugauUgc</u>	1	1	s02
.....uuuggguguu <u>cuagacgugaucAc</u>	6	1	s02
.....uuuggguguu <u>cuagacgugaucgc</u>	3	0	s02
.....uuuggguguu <u>cuagacgugaucGU</u>	36	1	s02
.....uuuggguguu <u>cuagacgugaucgA</u>	249	1	s02
.....uuuggguguu <u>cuagacgugaucgG</u>	4	1	s02
.....uuuggguguu <u>cuagacgugaucAca</u>	2	1	s02
.....uuuggguguu <u>cuagacgugaucgcU</u>	1	1	s02
.....uuuggguguu <u>cuagacgugaucgAa</u>	6	1	s02
.....uuuggguguu <u>cuagacgugaucGUau</u>	1	1	s02
.....uuuggguguu <u>cuagacgugaucgc</u> au.....	4	0	s02
.....uuuggguguu <u>cuagacgugaucgc</u> auU.....	1	1	s02
.....uuggguguu <u>cuagacg</u> uA.....	6	1	s02
.....uuggguguu <u>cuagacg</u> uga.....	8	0	s02
.....uuggguguu <u>cuagacg</u> ugU.....	1	1	s02
.....uuggguA <u>uuc</u> uagacgugau.....	1	1	s02
.....uuggguguu <u>cuagaUgugau</u>	1	1	s02
.....uuggguguu <u>cuagacgugGu</u>	4	1	s02
.....uuggguguu <u>cuagGcgugau</u>	1	1	s02
.....uuggguguu <u>cuagaA</u> gugau.....	1	1	s02
.....uuggguguu <u>cuagacgGg</u> au.....	1	1	s02
.....uuggguguu <u>cuAa</u> c <u>gugau</u>	2	1	s02
.....uuggguguu <u>cuagacgug</u> au.....	173	0	s02
.....uuggguguu <u>cuCagacgug</u> au.....	2	1	s02
.....uugU <u>guu</u> cuuagacgugau.....	1	1	s02
.....uuggguguu <u>cuGgacgug</u> au.....	1	1	s02
.....Cuuggguguu <u>cuagacgug</u> au.....	1	1	s02
.....uuggguguu <u>cuagacgug</u> AC.....	27	1	s02

Star

Mature

aucagaaauguuuugggaaaaacuauuaguagagcuugcgauuacgucuaagaacacugaagaauucaauuuuuggguguuucagacgugaucgcauguuacuaccuauaaacc

.....uugggugCucuagacgugau.....	1	1	s02
.....uuggguguuucagacgugauU.....	8	1	s02
.....uuggguguuucagacgugauA.....	7	1	s02
.....uuggguguuucagacUugauc.....	1	1	s02
.....uuggguguuucGgacgugauc.....	1	1	s02
.....Cuggguguuucagacgugauc.....	2	1	s02
.....uuggguguuucCagacgugauc.....	1	1	s02
.....uuggguguuucagacgugauc.....	102	0	s02
.....uuggguguuucagacgugauUg.....	1	1	s02
.....uuggguguuucagGcgugaucg.....	1	1	s02
.....uuggguguuucagacUugaucg.....	1	1	s02
.....uugUguguuucagacgugaucg.....	1	1	s02
.....uuggguguuucGgacgugaucg.....	3	1	s02
.....uuggguguuucGagacgugaucg.....	1	1	s02
.....Cuggguguuucagacgugaucg.....	1	1	s02
.....uugggugCucuagacgugaucg.....	2	1	s02
.....uuggguguuucuaAacgugaucg.....	1	1	s02
.....uuggguguaAacuagacgugaucg.....	1	1	s02
.....uuAgguguuucagacgugaucg.....	1	1	s02
.....uugggCguuucagacgugaucg.....	1	1	s02
.....uugAguguuucagacgugaucg.....	1	1	s02
.....uuggguguuucagacgugauGg.....	1	1	s02
.....uuggguguuUuagacgugaucg.....	1	1	s02
.....uuggguguuucagaUugaucg.....	1	1	s02
.....uuggguguuucagacgugaucU.....	63	1	s02
.....uuggguguuucagacgugaucC.....	14	1	s02
.....uuggguguuucagacgugaucg.....	213	0	s02
.....uuggguguuucagacgugaucA.....	300	1	s02
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.....uuggguguuucagacgAgaucg.....	1	1	s02
.....uCggguguuucagacgugaucg.....	1	1	s02
.....uuggguguuucagacgugaucgA.....	47	1	s02
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.....uuggguguuucagacgugaucAc.....	4	1	s02
.....uuggguguuucagacgugaucgG.....	2	1	s02
.....uuggguguuucagacgugaucgU.....	16	1	s02
.....uuggguguuucagacgugaucgAa.....	2	1	s02
.....uuggguguuucagacgugaucgUa.....	3	1	s02
.....uuggguguuucagacgugaucgUau.....	3	1	s02
.....uggguguuucagacguAa.....	1	1	s02
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.....uggUuguuucagacgugau.....	1	1	s02
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Star

Mature

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